

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067618.D
 Acq On : 12 Nov 2020 12:57
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Quant Time: Nov 13 00:29:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	334547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	501753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	461742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231341	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	135004	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	7.92	113	145274	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	10.34	98	494787	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
62) 4-Bromofluorobenzene	12.64	95	180335	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64140	21.052	ug/l	95
3) Chloromethane	2.21	50	44541	21.380	ug/l	99
4) Vinyl Chloride	2.35	62	45780	19.710	ug/l	94
5) Bromomethane	2.76	94	38904	20.665	ug/l	93
6) Chloroethane	2.91	64	30893	21.574	ug/l	97
7) Trichlorofluoromethane	3.27	101	124930	20.773	ug/l	95
8) Diethyl Ether	3.71	74	27458	22.659	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	69136	22.774	ug/l	99
10) Methyl Iodide	4.30	142	67094	20.621	ug/l	98
11) Tert butyl alcohol	5.20	59	29392	231.678	ug/l	97
12) 1,1-Dichloroethene	4.07	96	60288	21.591	ug/l	96
13) Acrolein	3.92	56	5967	69.098	ug/l	93
14) Allyl chloride	4.71	41	64298	21.515	ug/l	99
15) Acrylonitrile	5.43	53	55021	122.828	ug/l	99
16) Acetone	4.16	43	45649	104.282	ug/l	94
17) Carbon Disulfide	4.41	76	173525	20.280	ug/l	97
18) Methyl Acetate	4.71	43	22797	25.202	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	128643	23.356	ug/l #	92
20) Methylene Chloride	4.96	84	71111	22.997	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	69640	21.413	ug/l	94
22) Diisopropyl ether	6.36	45	140673	24.155	ug/l	94
23) Vinyl Acetate	6.31	43	361178	118.481	ug/l	99
24) 1,1-Dichloroethane	6.27	63	109036	22.886	ug/l	98
25) 2-Butanone	7.22	43	60277	128.867	ug/l	95
26) 2,2-Dichloropropane	7.21	77	110142	21.905	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	75442	22.348	ug/l	94
28) Bromochloromethane	7.55	49	35165	20.750	ug/l	100
29) Tetrahydrofuran	7.57	42	36489	130.234	ug/l	95
30) Chloroform	7.71	83	128170	22.550	ug/l	98
31) Cyclohexane	7.99	56	90701	21.378	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	126584	21.585	ug/l	98
36) 1,1-Dichloropropene	8.11	75	93580	21.789	ug/l	98
37) Ethyl Acetate	7.30	43	26655	23.905	ug/l #	79
38) Carbon Tetrachloride	8.10	117	117842	21.118	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067618.D
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 Sample : VD1112SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Quant Time: Nov 13 00:29:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	106426	21.054	ug/l	94
40) Benzene	8.36	78	265308	22.805	ug/l	96
41) Methacrylonitrile	7.57	41	37950	56.938	ug/l #	25
42) 1,2-Dichloroethane	8.43	62	78989	21.975	ug/l	97
43) Isopropyl Acetate	8.46	43	53652	24.330	ug/l	100
44) Trichloroethene	9.12	130	83148	21.736	ug/l	96
45) 1,2-Dichloropropane	9.39	63	58950	23.436	ug/l	97
46) Dibromomethane	9.48	93	36924	23.087	ug/l	97
47) Bromodichloromethane	9.67	83	96579	22.218	ug/l	93
48) Methyl methacrylate	9.46	41	25286	22.208	ug/l	90
49) 1,4-Dioxane	9.47	88	9277	571.390	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	130079	123.339	ug/l	99
52) Toluene	10.41	92	174508	22.395	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	83974	22.556	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	97280	21.992	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	49613	23.446	ug/l	92
56) Ethyl methacrylate	10.67	69	50242	22.992	ug/l	97
57) 1,3-Dichloropropane	10.95	76	80359	23.599	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	113680	111.557	ug/l	99
59) 2-Hexanone	10.99	43	86037	116.675	ug/l	97
60) Dibromochloromethane	11.14	129	73131	23.362	ug/l	99
61) 1,2-Dibromoethane	11.25	107	49309	23.217	ug/l	97
64) Tetrachloroethene	10.88	164	76326	22.320	ug/l	95
65) Chlorobenzene	11.67	112	196944	22.142	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	78310	22.339	ug/l	98
67) Ethyl Benzene	11.75	91	339292	22.292	ug/l	95
68) m/p-Xylenes	11.86	106	264614	44.689	ug/l	98
69) o-Xylene	12.18	106	117660	22.256	ug/l	98
70) Styrene	12.20	104	206655	22.433	ug/l	100
71) Bromoform	12.36	173	41755	23.355	ug/l #	98
73) Isopropylbenzene	12.48	105	335275	22.425	ug/l	99
74) N-amyl acetate	12.29	43	47814	24.304	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	49571	24.314	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	65425	46.880	ug/l #	100
77) Bromobenzene	12.77	156	82558	22.484	ug/l	98
78) n-propylbenzene	12.83	91	377728	22.087	ug/l	99
79) 2-Chlorotoluene	12.91	91	218329	22.475	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	289243	22.647	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16356	23.794	ug/l	92
82) 4-Chlorotoluene	13.01	91	239144	22.953	ug/l	100
83) tert-Butylbenzene	13.23	119	242765	22.428	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	287486	22.613	ug/l	97
85) sec-Butylbenzene	13.41	105	327257	22.396	ug/l	99
86) p-Isopropyltoluene	13.52	119	313020	22.183	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	156280	22.305	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	157415	22.189	ug/l	99
89) n-Butylbenzene	13.85	91	267483	21.946	ug/l	99
90) Hexachloroethane	14.12	117	57535	21.652	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	135885	22.409	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8231	22.802	ug/l	94

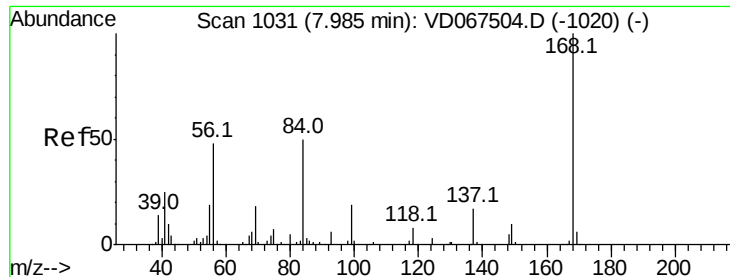
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111220\
Data File : VD067618.D
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MSVOA_D
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	92038	22.363	ug/l	98
94) Hexachlorobutadiene	15.27	225	57325	20.812	ug/l	99
95) Naphthalene	15.40	128	146307	23.036	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	79451	22.544	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

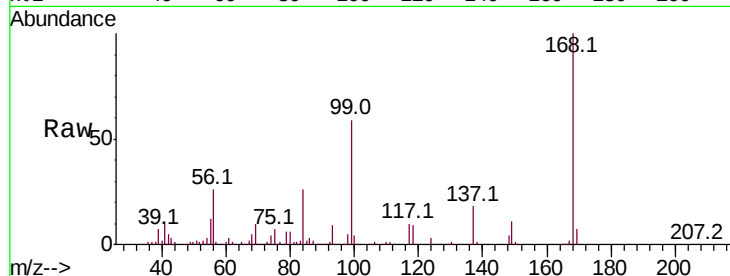
VD1112SBS01

Tot Ion:168 Resp: 334547

Ion Ratio Lower Upper

168 100

99 58.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

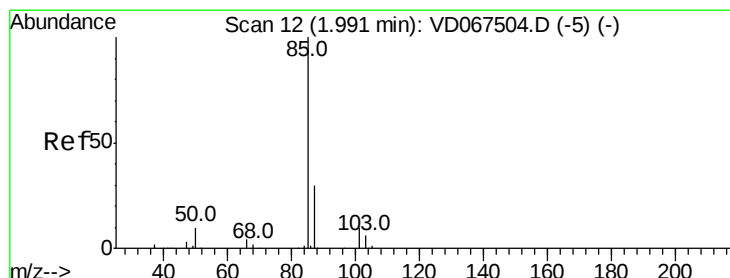
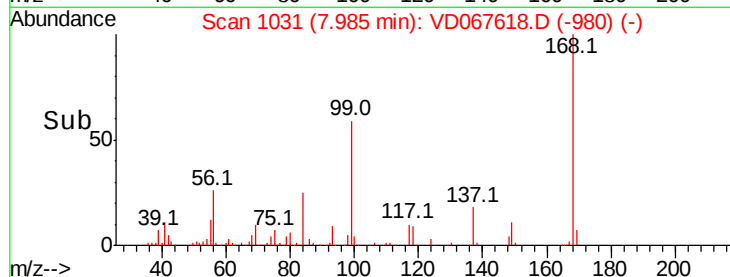
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.052 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067618.D

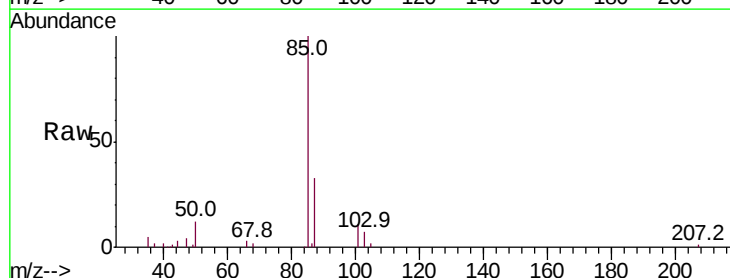
Acq: 12 Nov 2020 12:57

Tgt Ion: 85 Resp: 64140

Ion Ratio Lower Upper

85 100

87 33.0 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

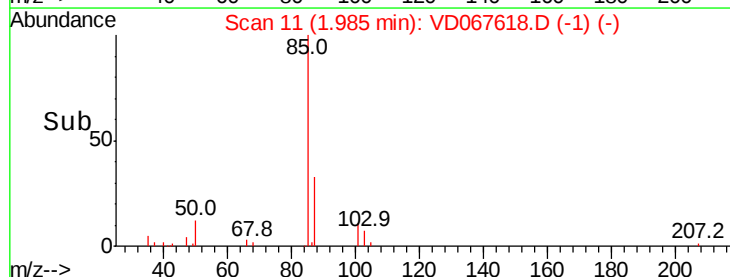
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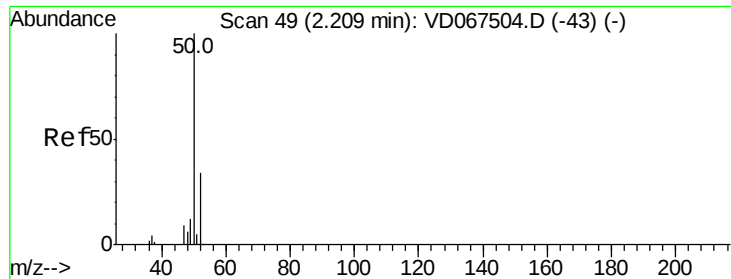
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.380 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

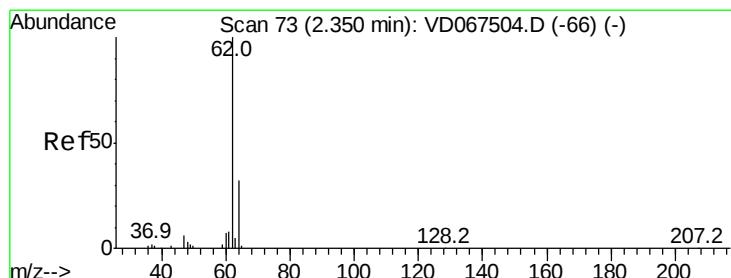
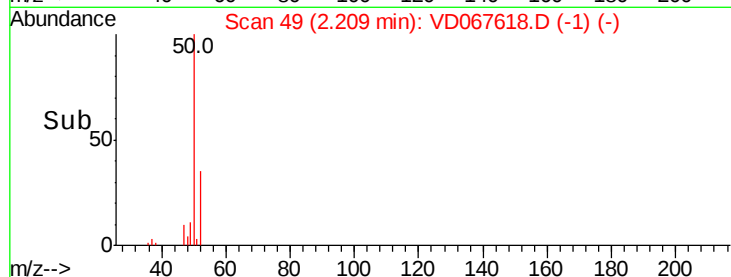
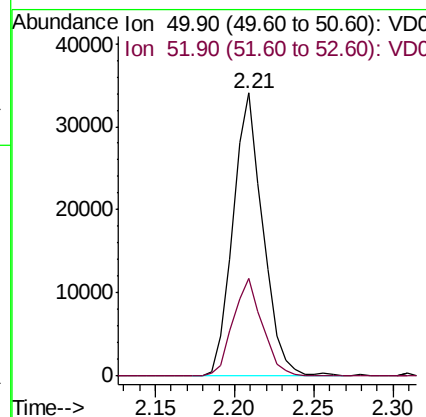
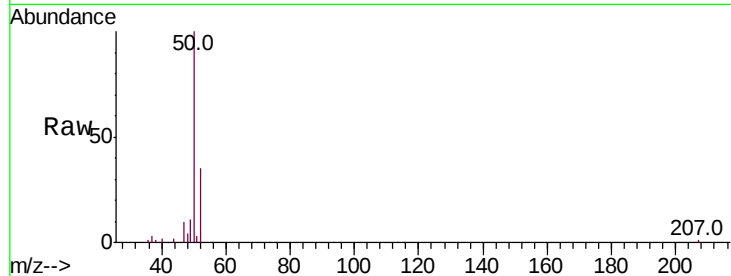
VD1112SBS01

Tot Ion: 50 Resp: 44541

Ion Ratio Lower Upper

50 100

52 34.7 27.3 40.9



#4

Vinyl Chloride

Concen: 19.710 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067618.D

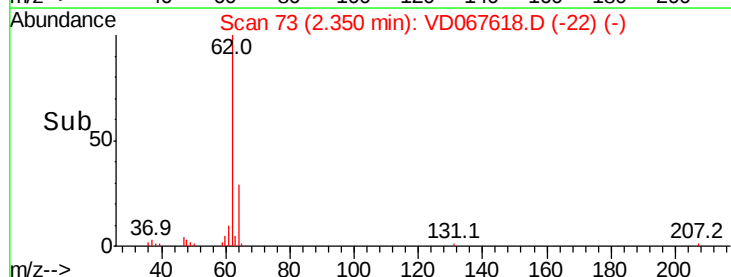
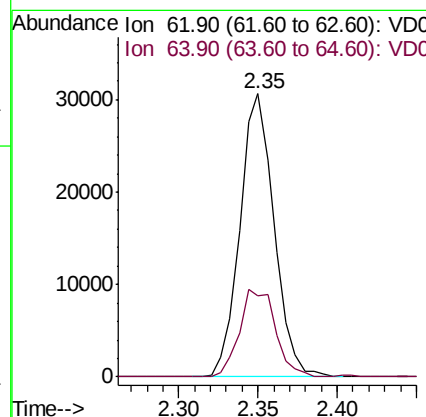
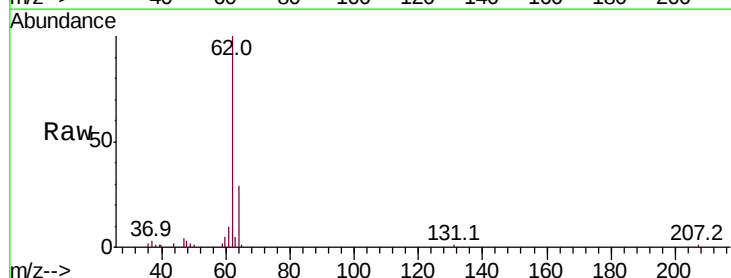
Acq: 12 Nov 2020 12:57

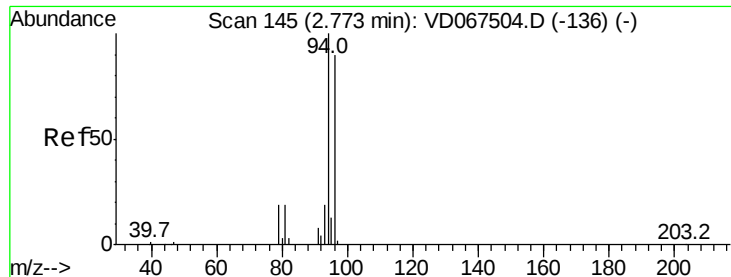
Tgt Ion: 62 Resp: 45780

Ion Ratio Lower Upper

62 100

64 28.8 25.6 38.4





#5

Bromomethane

Concen: 20.665 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

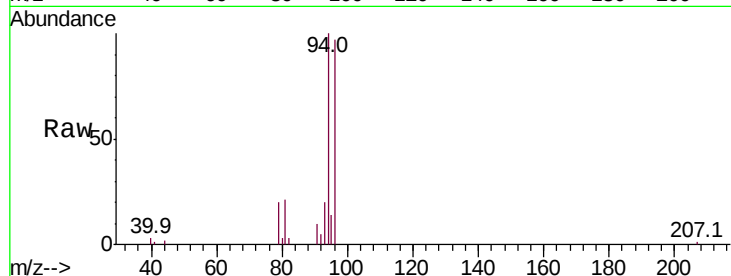
VD1112SBSD01

Tot Ion: 94 Resp: 38904

Ion Ratio Lower Upper

94 100

96 96.9 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

20000

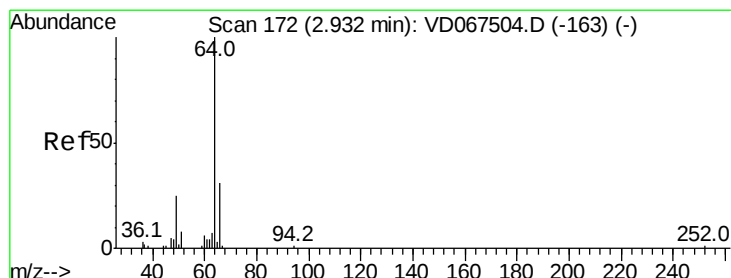
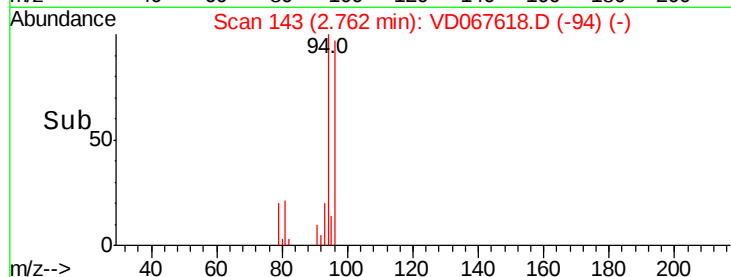
15000

10000

5000

0

Time--> 2.70 2.80 2.90



#6

Chloroethane

Concen: 21.574 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.02 min

Lab File: VD067618.D

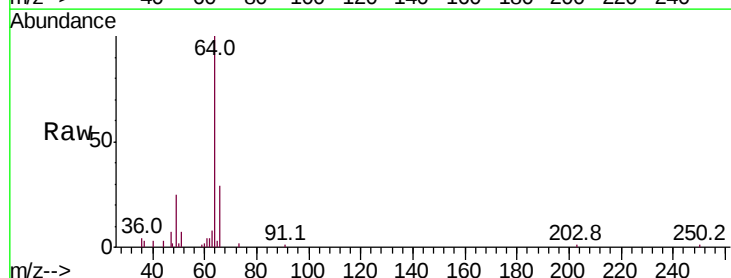
Acq: 12 Nov 2020 12:57

Tgt Ion: 64 Resp: 30893

Ion Ratio Lower Upper

64 100

66 29.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

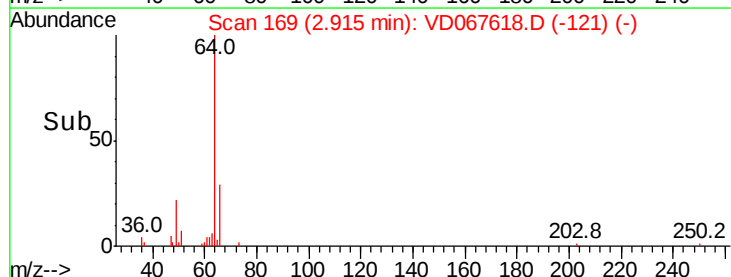
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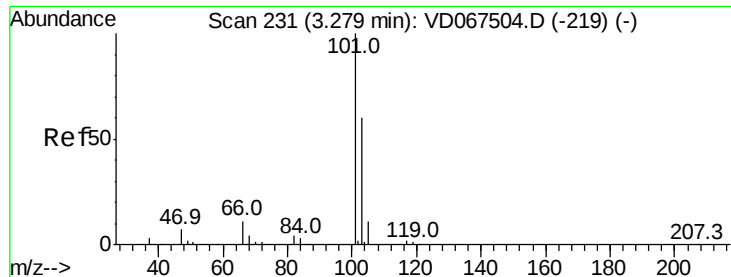
10000

5000

0

Time--> 2.85 2.90 2.95 3.00



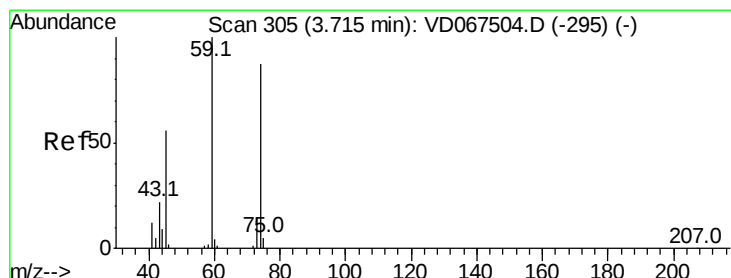
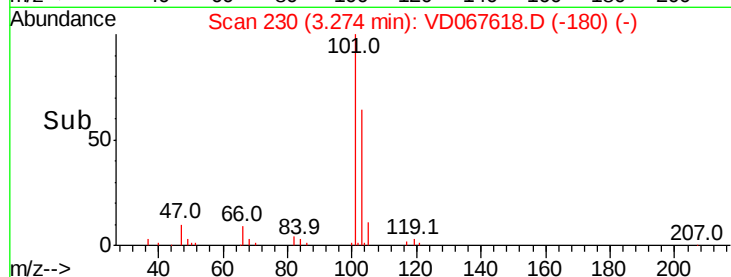
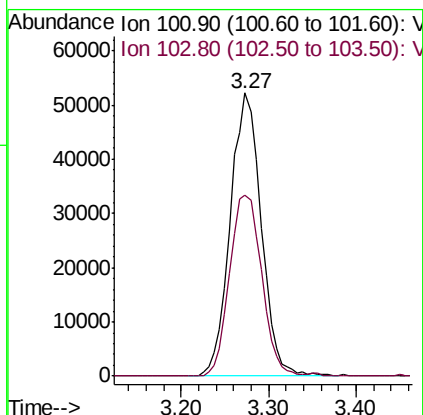
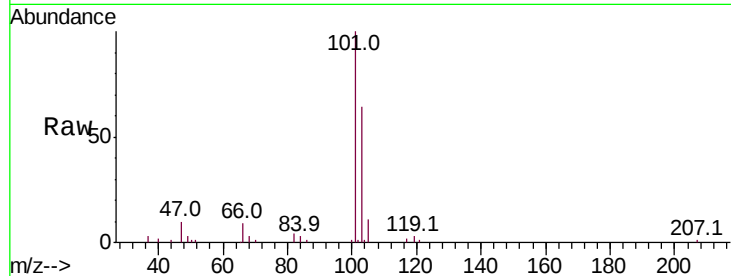


#7

Trichlorofluoromethane
Concen: 20.773 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

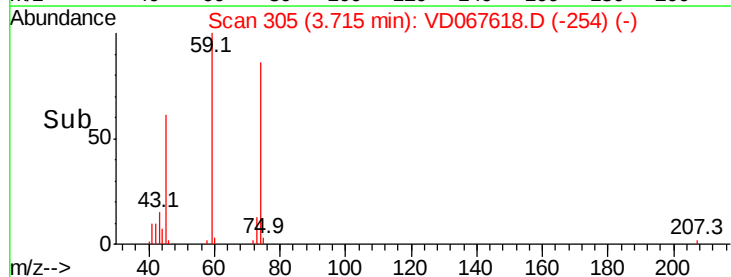
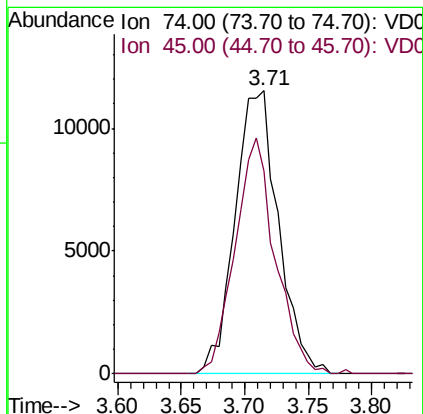
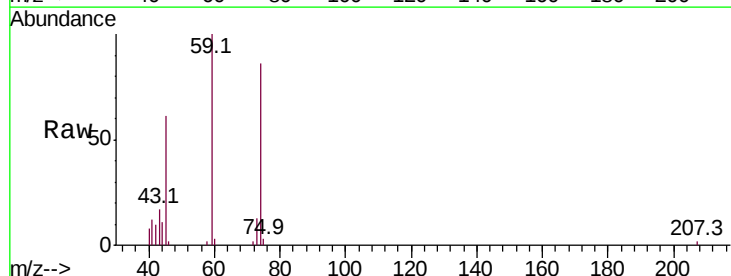
Tot Ion:101 Resp: 124930
Ion Ratio Lower Upper
101 100
103 64.1 48.1 72.1

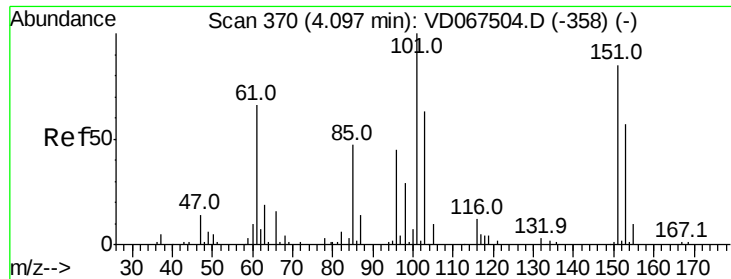


#8

Diethyl Ether
Concen: 22.659 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 74 Resp: 27458
Ion Ratio Lower Upper
74 100
45 77.0 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.774 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

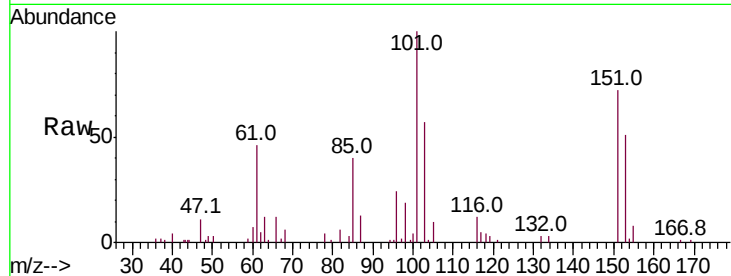
Tot Ion:101 Resp: 69136

Ion Ratio Lower Upper

101 100

85 41.4 34.4 51.6

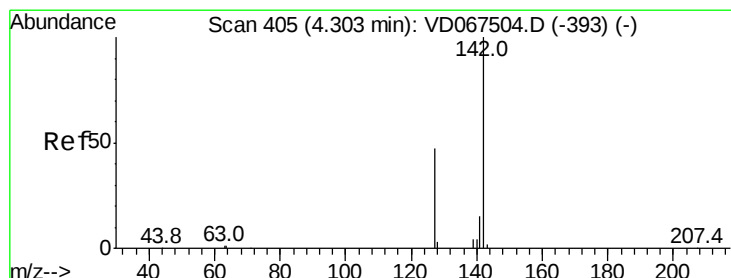
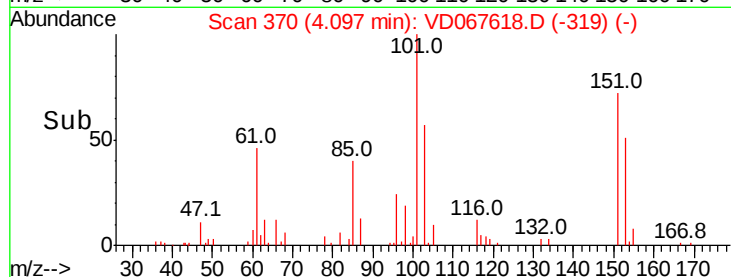
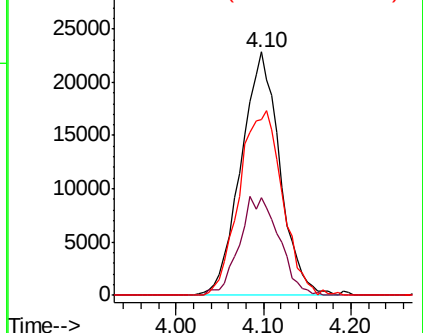
151 84.2 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.621 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

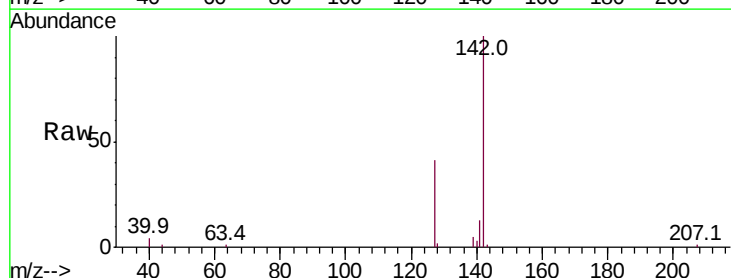
Tgt Ion:142 Resp: 67094

Ion Ratio Lower Upper

142 100

127 48.8 40.0 60.0

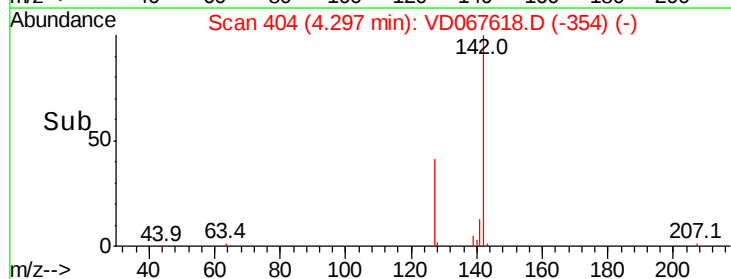
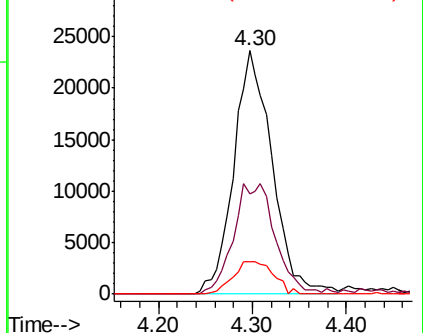
141 14.0 11.7 17.5

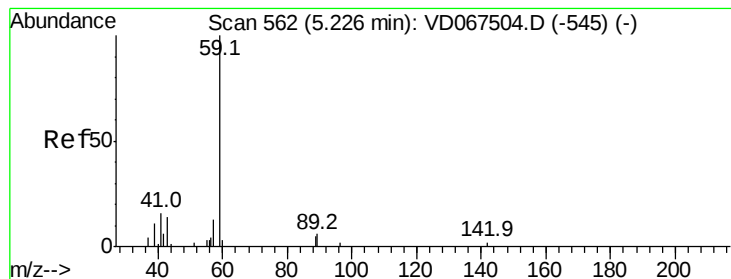


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



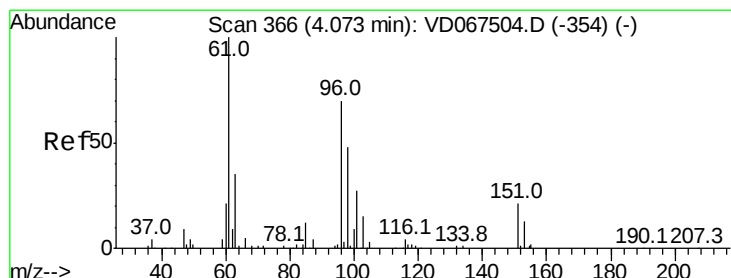
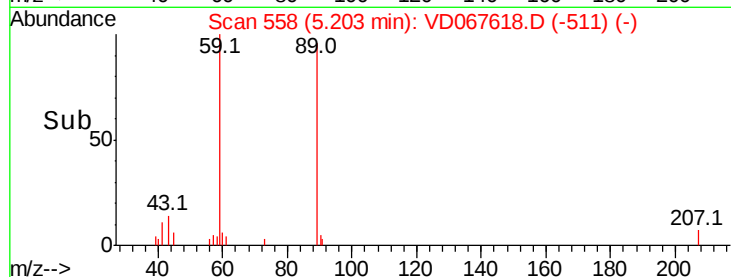
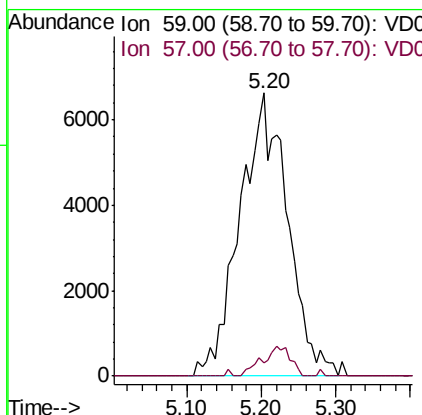
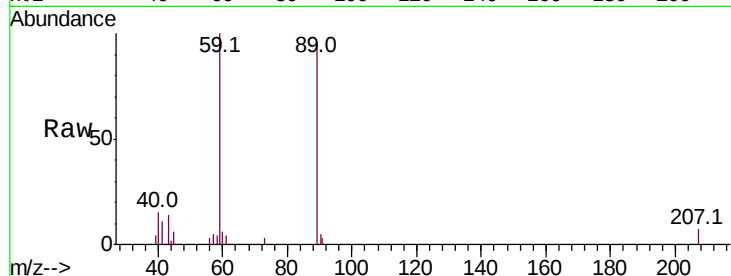


#11

Tert butyl alcohol
 Concen: 231.678 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

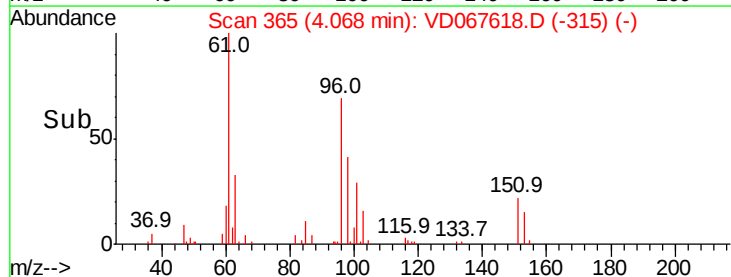
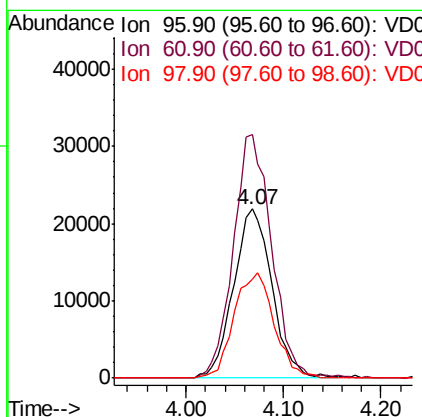
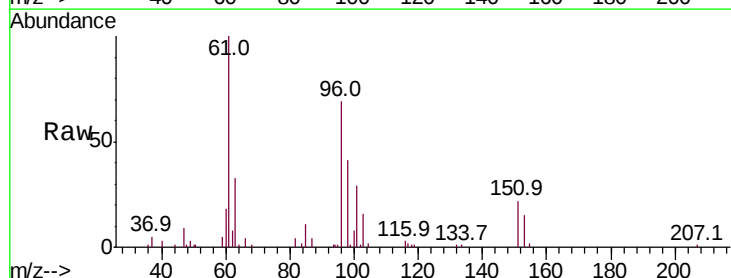
Tot Ion: 59 Resp: 29392
 Ion Ratio Lower Upper
 59 100
 57 6.2 5.9 8.9

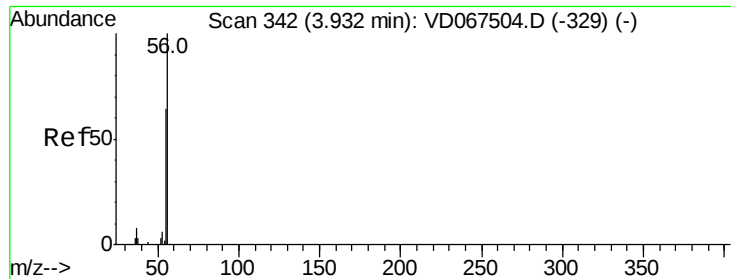


#12

1,1-Dichloroethene
 Concen: 21.591 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

Tgt Ion: 96 Resp: 60288
 Ion Ratio Lower Upper
 96 100
 61 144.0 114.5 171.7
 98 58.6 54.5 81.7





#13

Acrolein

Concen: 69.098 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

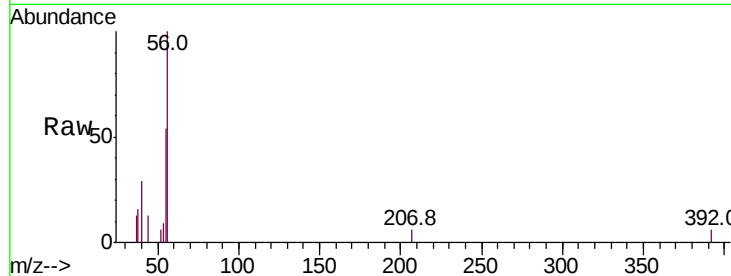
VD1112SBS01

Tot Ion: 56 Resp: 5967

Ion Ratio Lower Upper

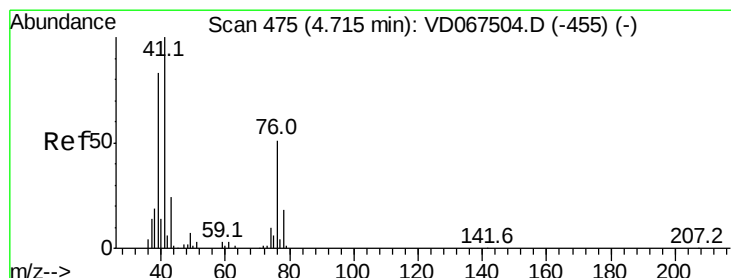
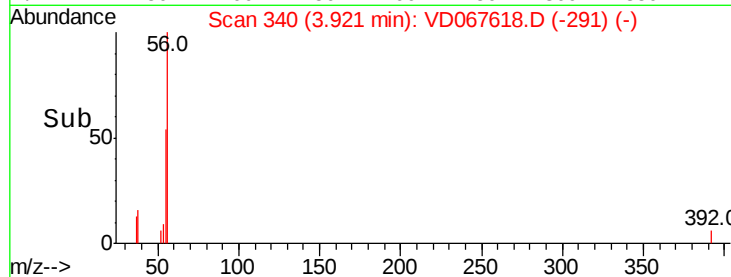
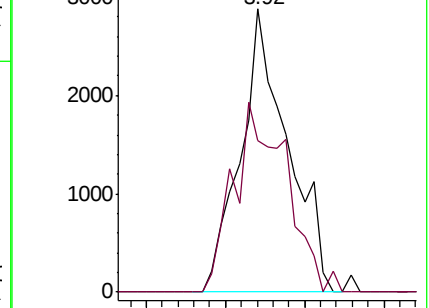
56 100

55 75.8 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.515 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

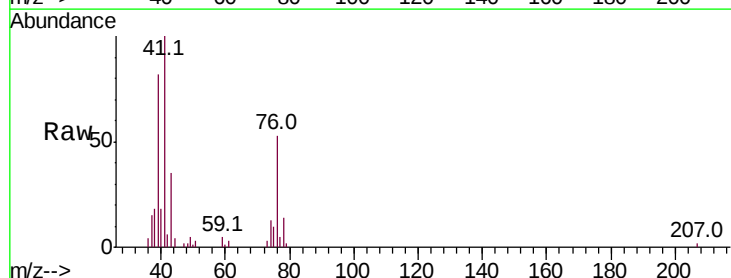
Tgt Ion: 41 Resp: 64298

Ion Ratio Lower Upper

41 100

39 82.4 67.4 101.0

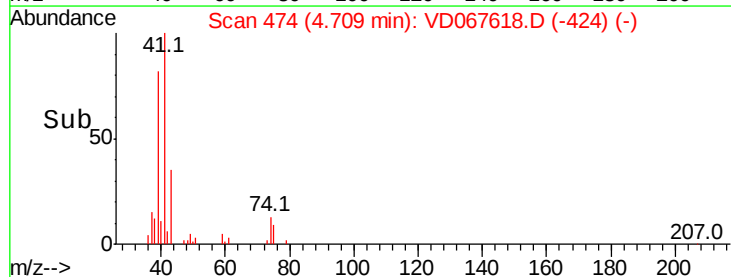
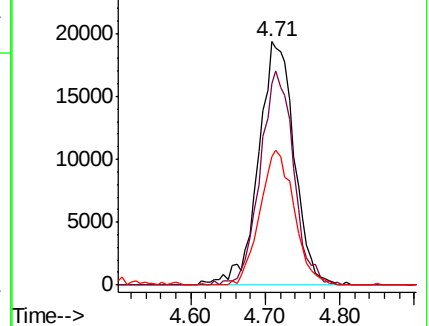
76 53.1 42.2 63.2

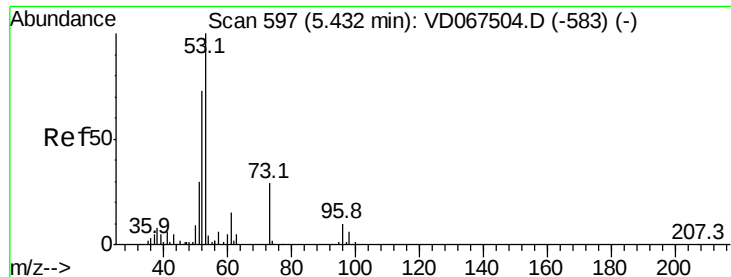


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 122.828 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

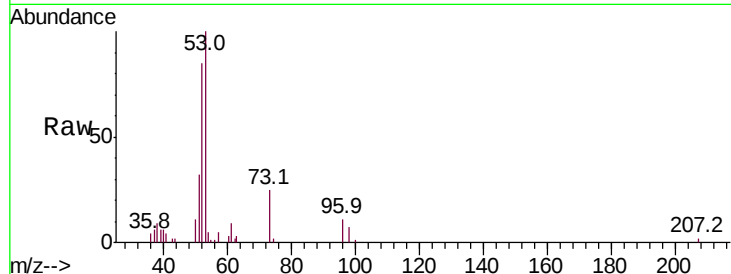
Tot Ion: 53 Resp: 55021

Ion Ratio Lower Upper

53 100

52 80.6 64.8 97.2

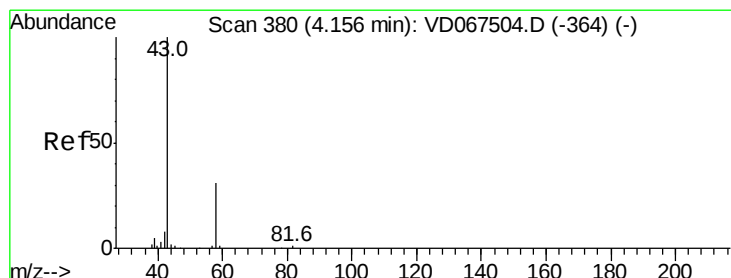
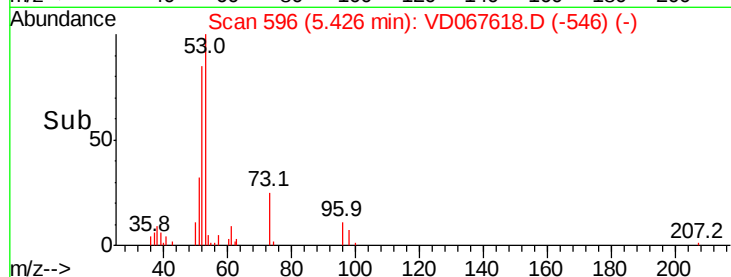
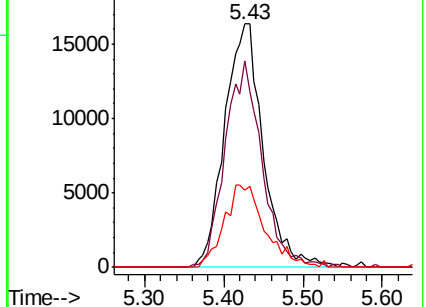
51 36.1 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 104.282 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067618.D

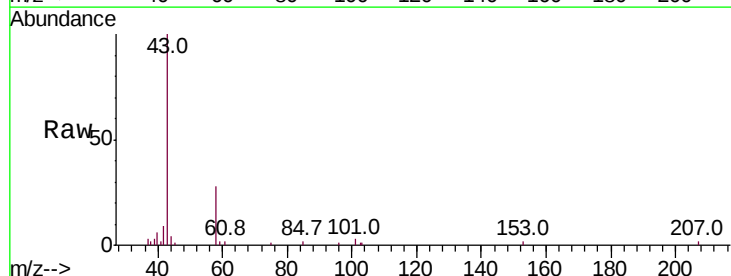
Acq: 12 Nov 2020 12:57

Tgt Ion: 43 Resp: 45649

Ion Ratio Lower Upper

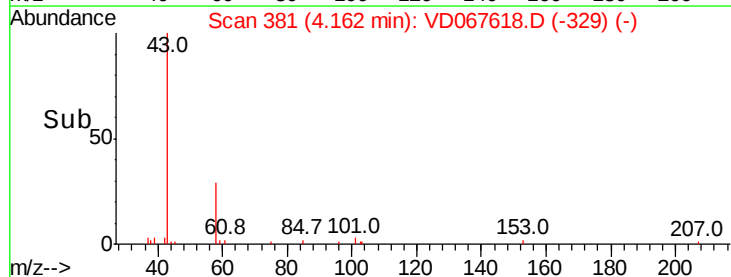
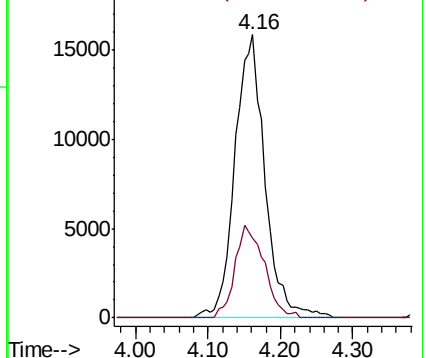
43 100

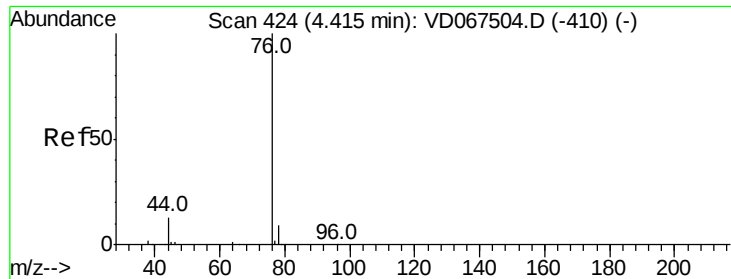
58 28.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

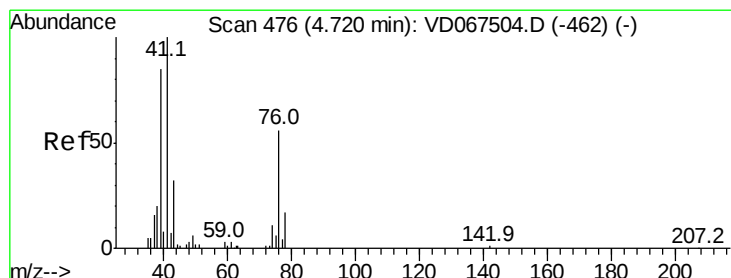
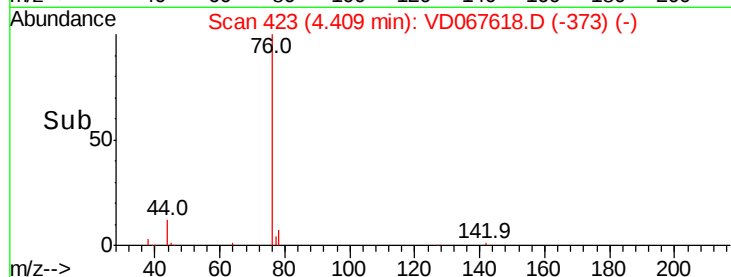
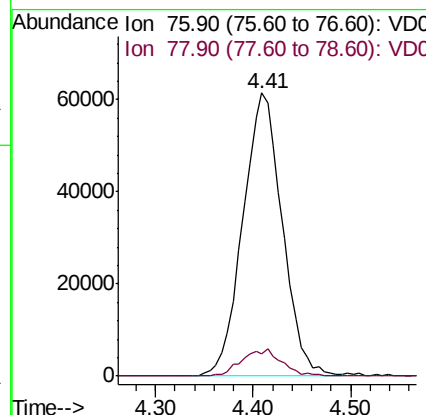
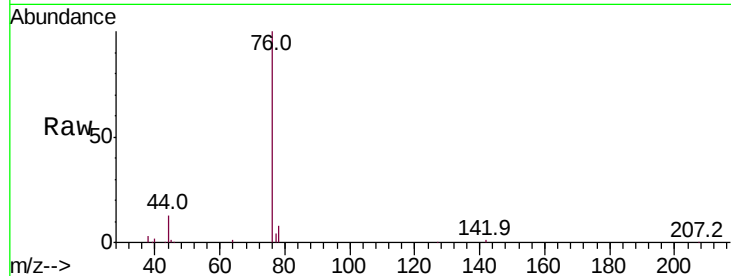




#17
Carbon Disulfide
Concen: 20.280 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

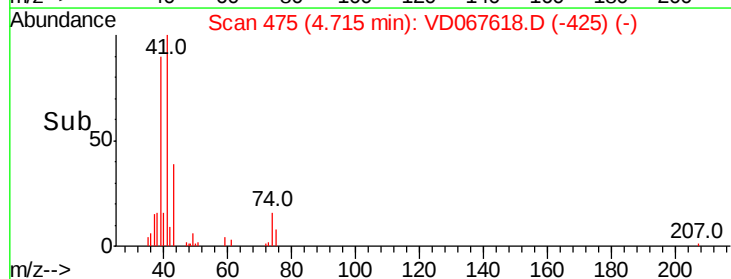
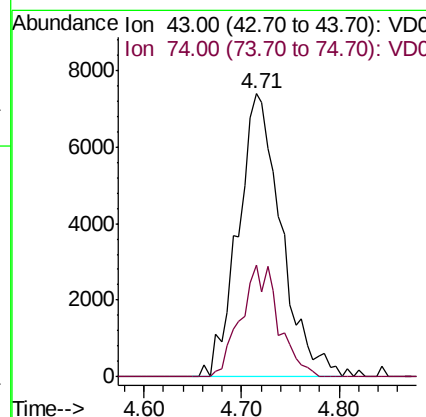
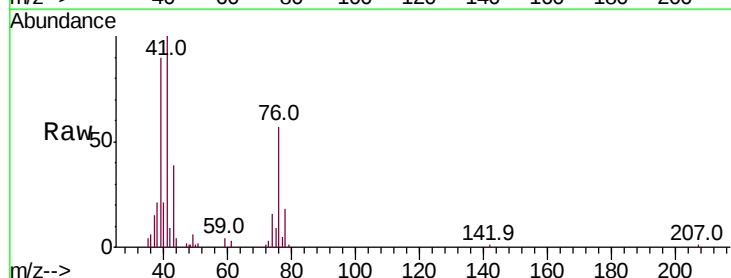
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

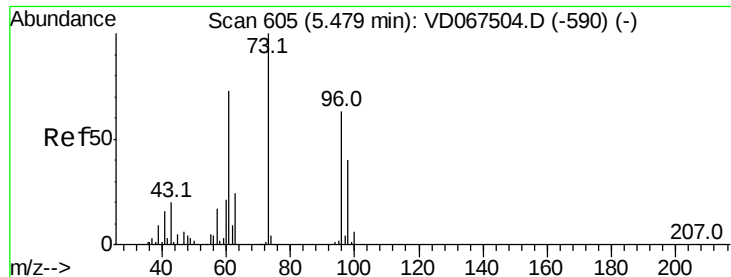
Tot Ion: 76 Resp: 173525
Ion Ratio Lower Upper
76 100
78 8.1 7.2 10.8



#18
Methyl Acetate
Concen: 25.202 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 43 Resp: 22797
Ion Ratio Lower Upper
43 100
74 34.8 27.2 40.8

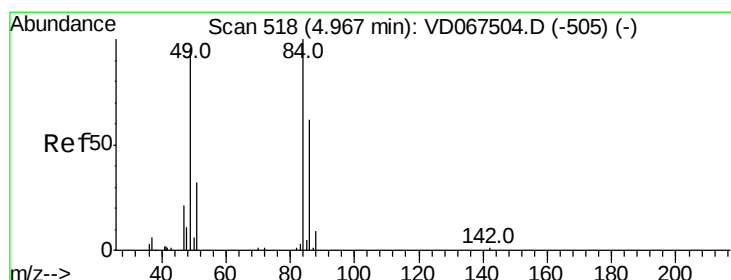
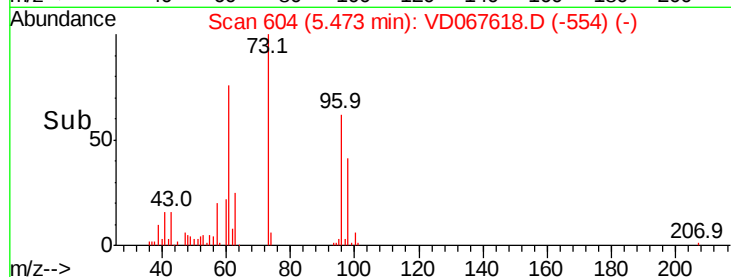
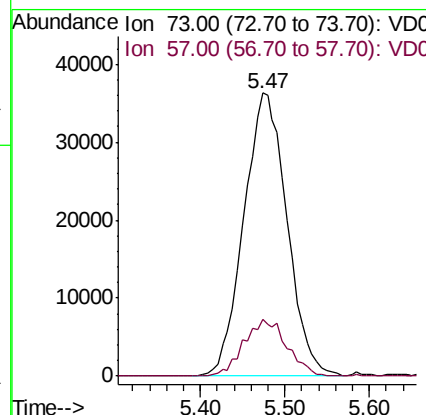
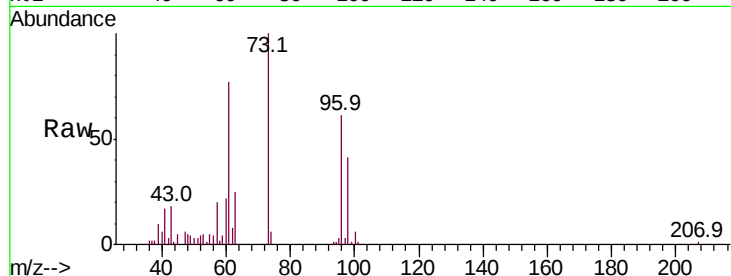




#19
Methvl tert-butvl Ether
Concen: 23.356 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

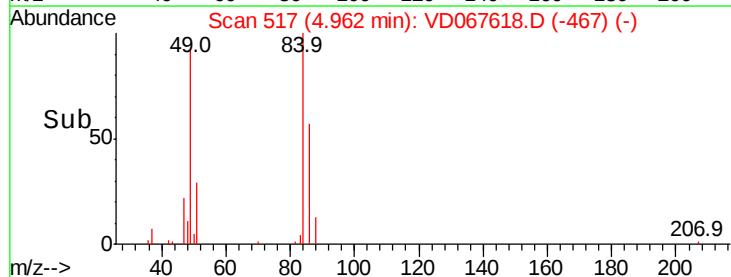
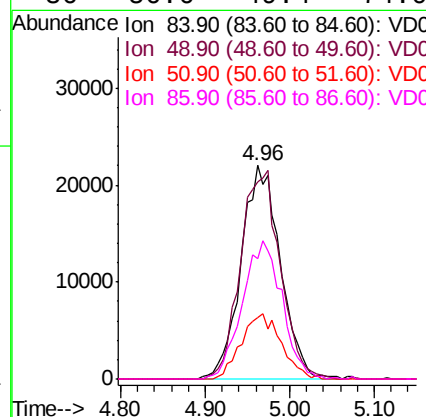
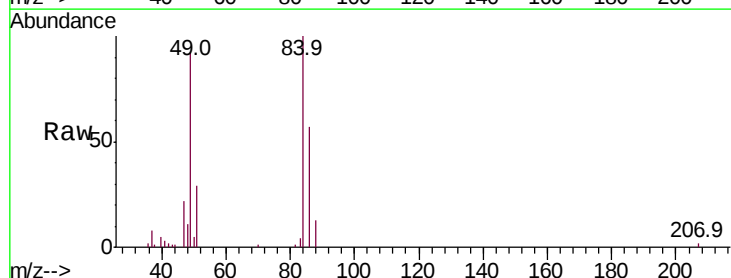
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

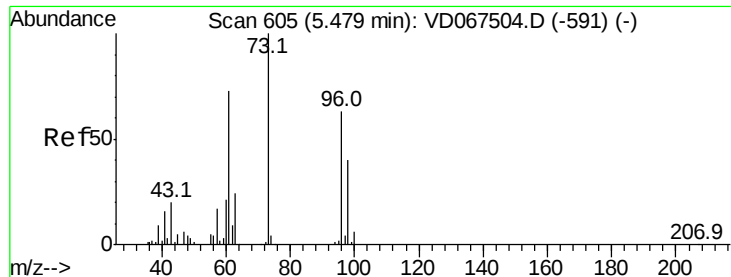
Tot Ion: 73 Resp: 128643
Ion Ratio Lower Upper
73 100
57 20.1 13.4 20.0#



#20
Methylene Chloride
Concen: 22.997 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 84 Resp: 71111
Ion Ratio Lower Upper
84 100
49 92.0 77.0 115.4
51 28.6 25.4 38.2
86 56.6 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 21.413 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

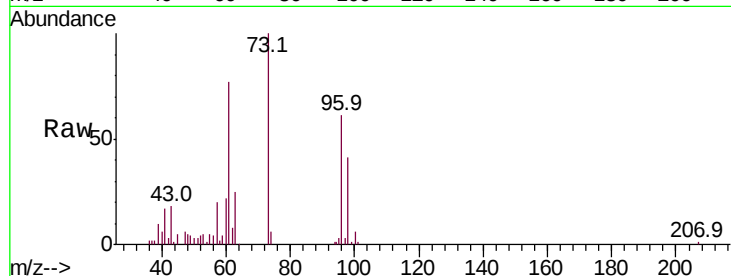
Tot Ion: 96 Resp: 69640

Ion Ratio Lower Upper

96 100

61 124.8 93.0 139.6

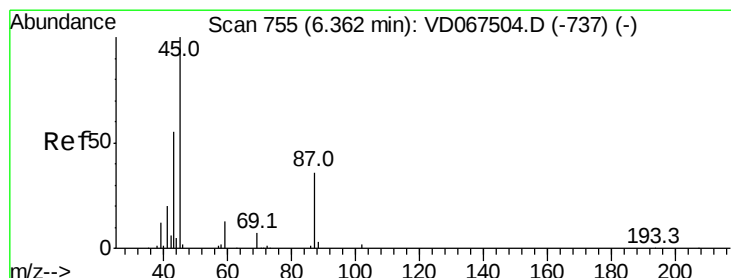
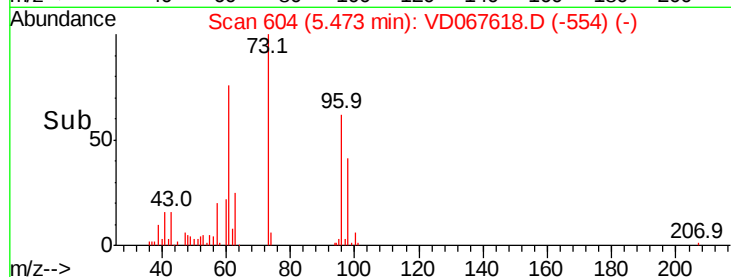
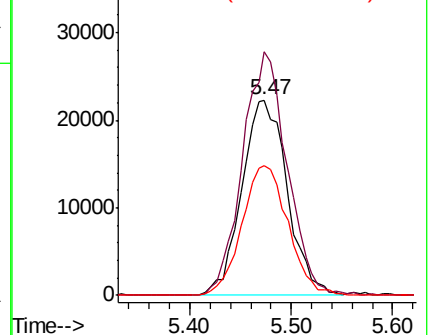
98 66.2 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 24.155 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Tgt Ion: 45 Resp: 140673

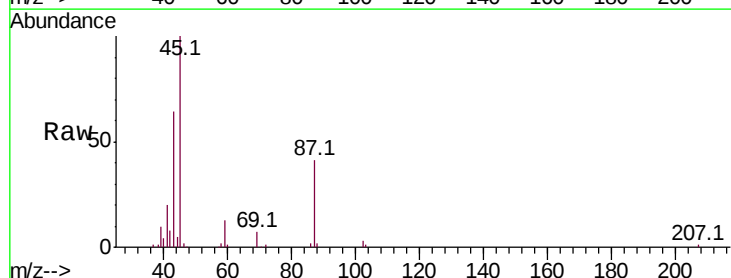
Ion Ratio Lower Upper

45 100

43 62.6 46.2 69.4

87 41.1 29.4 44.2

59 12.8 10.8 16.2

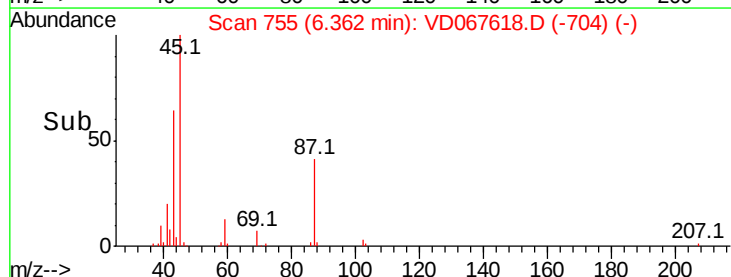
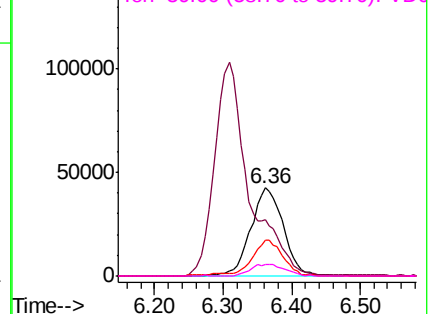


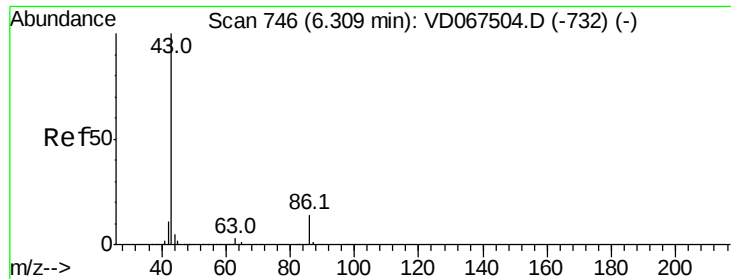
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 118.481 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

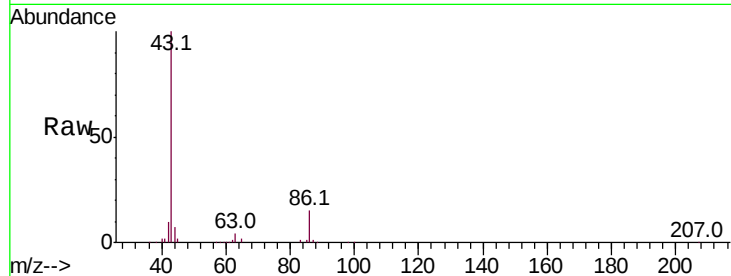
VD1112SBS01

Tot Ion: 43 Resp: 361178

Ion Ratio Lower Upper

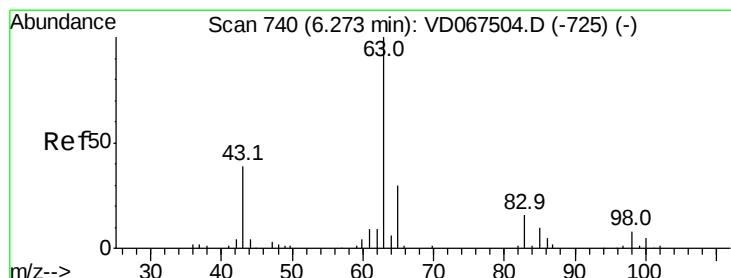
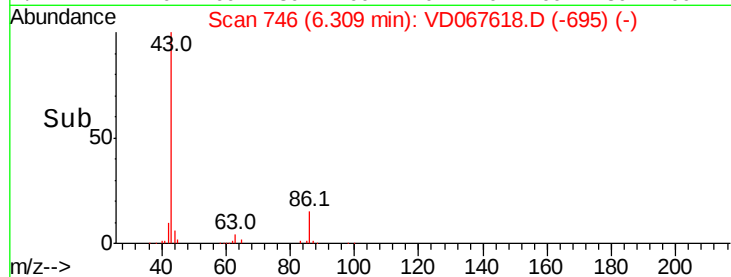
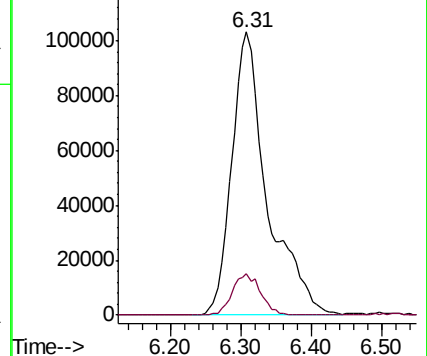
43 100

86 14.8 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.886 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

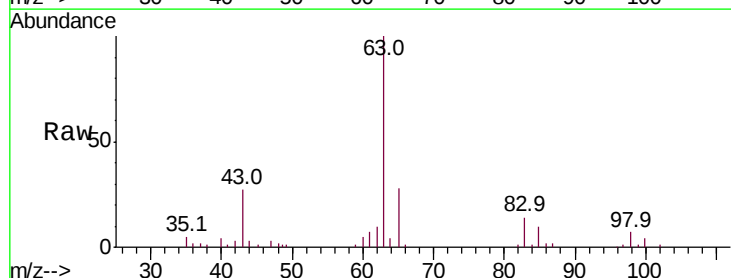
Tgt Ion: 63 Resp: 109036

Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.5

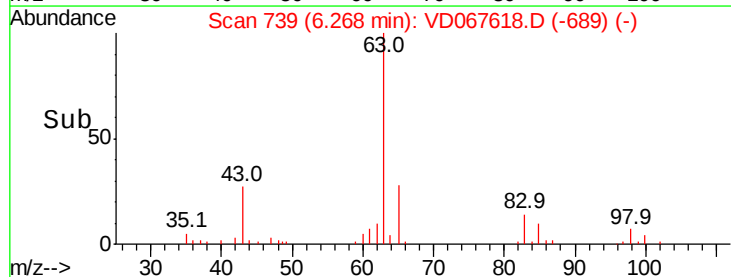
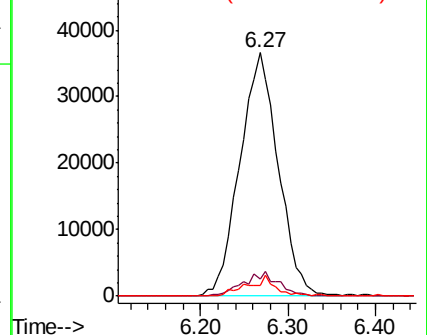
100 4.1 2.6 7.8

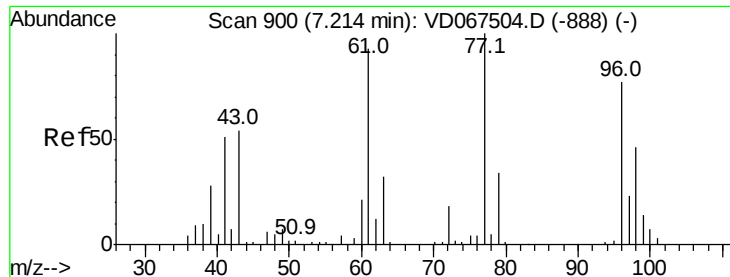


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 128.867 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

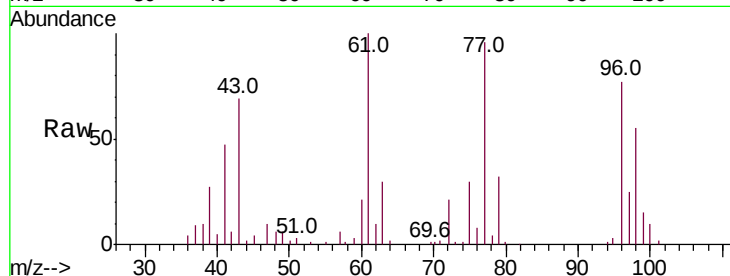
VD1112SBS01

Tot Ion: 43 Resp: 60277

Ion Ratio Lower Upper

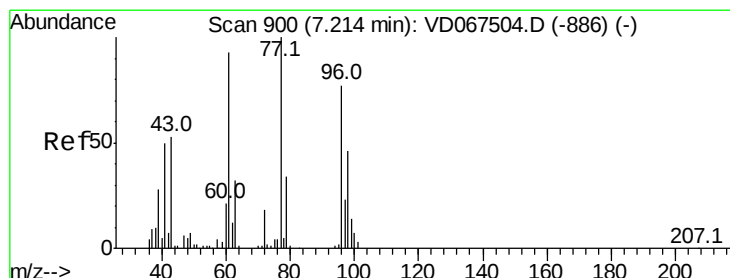
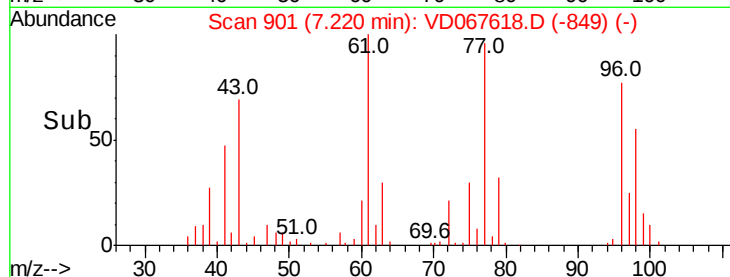
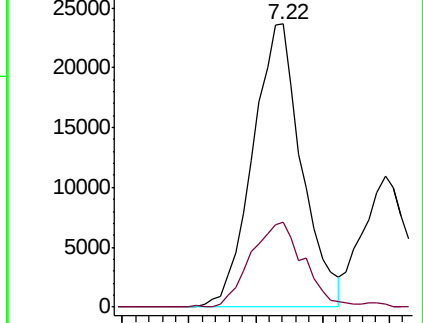
43 100

72 30.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.905 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067618.D

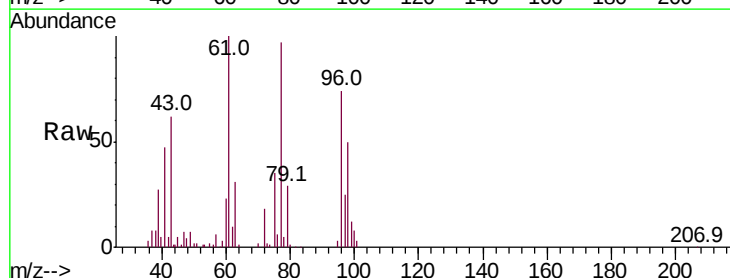
Acq: 12 Nov 2020 12:57

Tgt Ion: 77 Resp: 110142

Ion Ratio Lower Upper

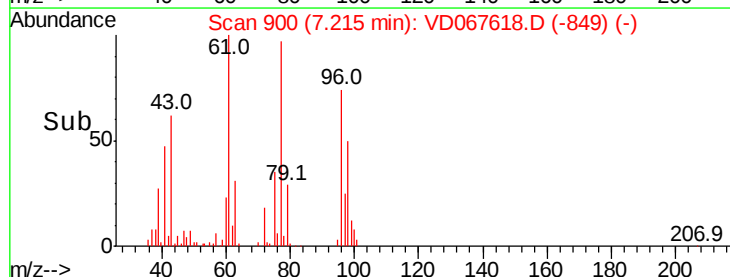
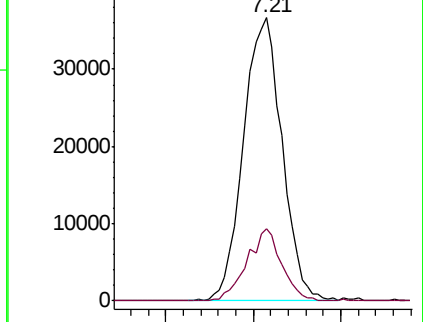
77 100

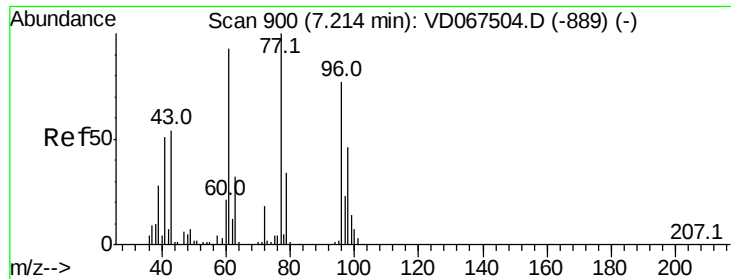
97 22.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

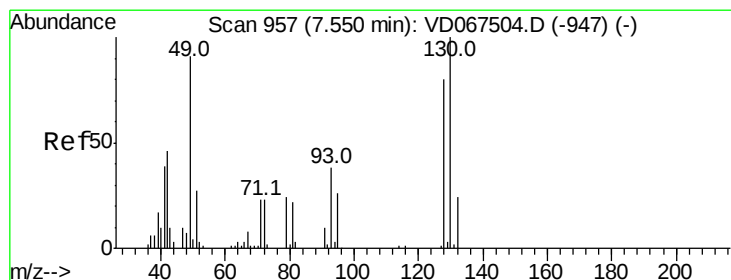
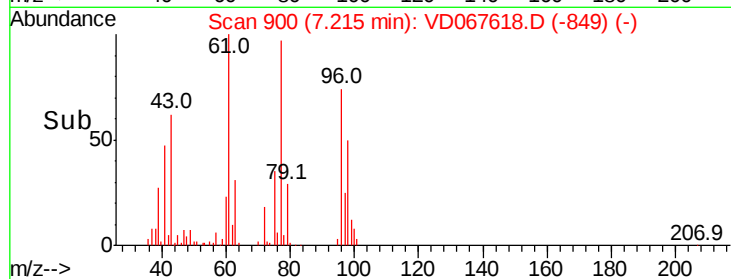
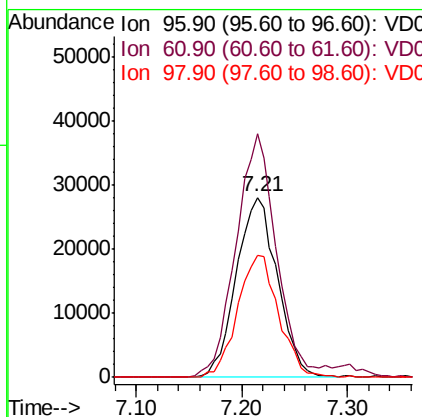
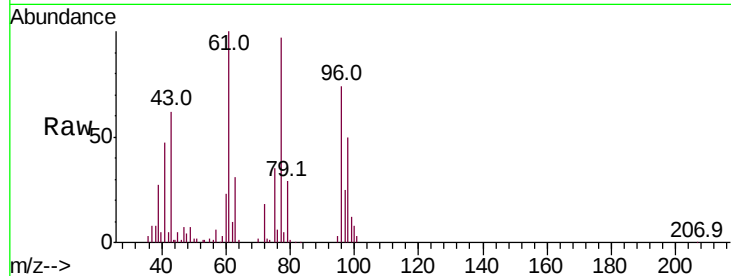




#27
 cis-1,2-Dichloroethene
 Concen: 22.348 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

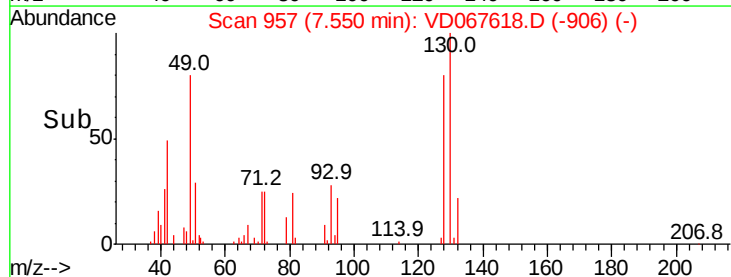
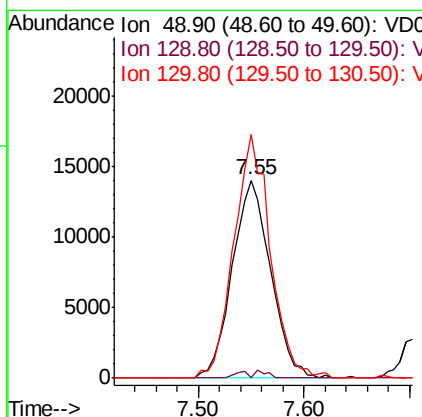
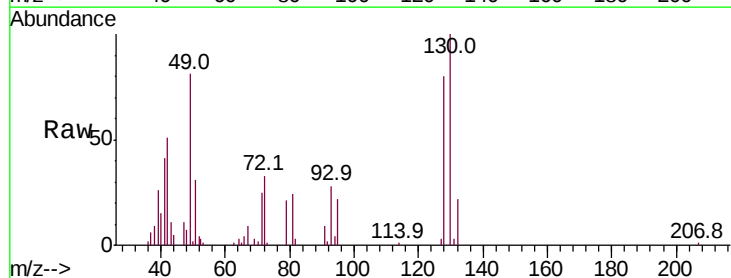
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

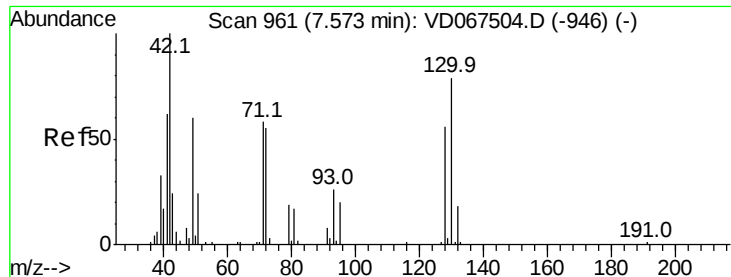
Tot Ion: 96 Resp: 75442
 Ion Ratio Lower Upper
 96 100
 61 133.2 0.0 251.6
 98 67.8 0.0 128.0



#28
 Bromochloromethane
 Concen: 20.750 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

Tgt Ion: 49 Resp: 35165
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 6.4
 130 117.9 94.6 142.0

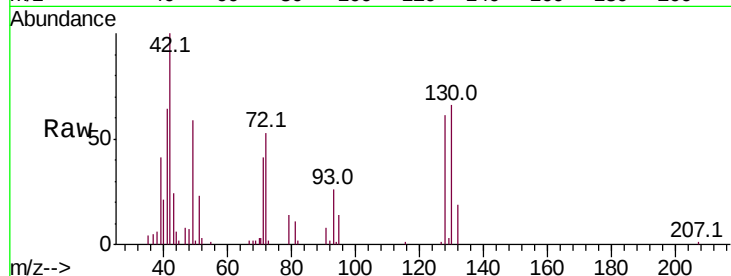




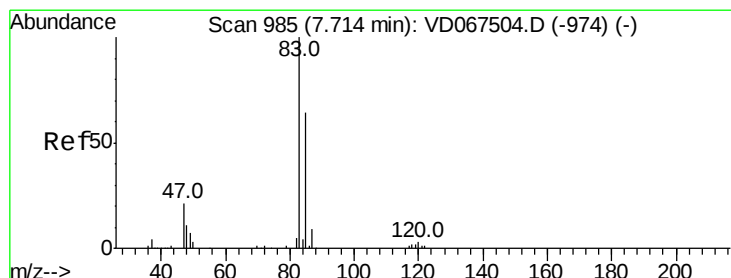
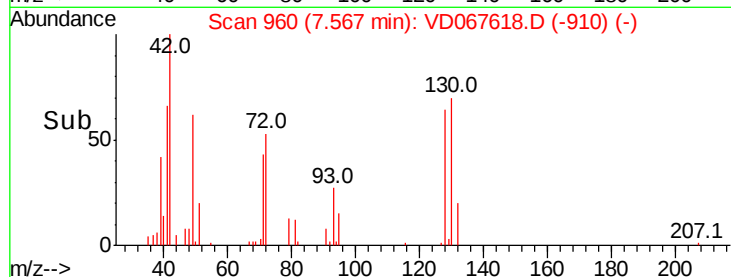
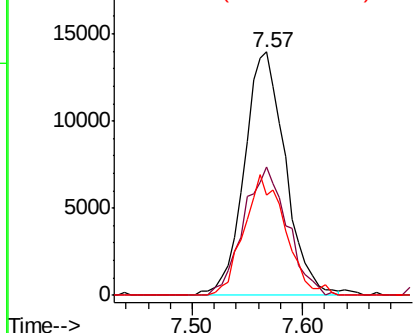
#29
Tetrahydrofuran
Concen: 130.234 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 42 Resp: 36489
Ion Ratio Lower Upper
42 100
72 56.2 46.3 69.5
71 49.7 44.0 66.0

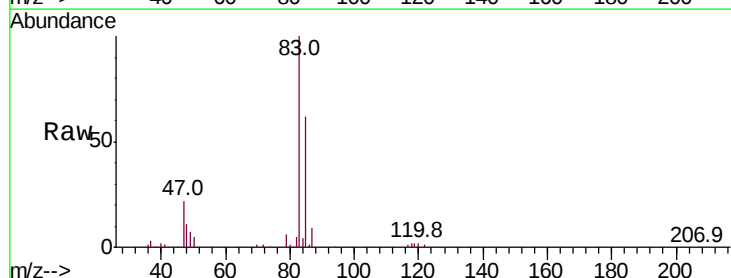


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

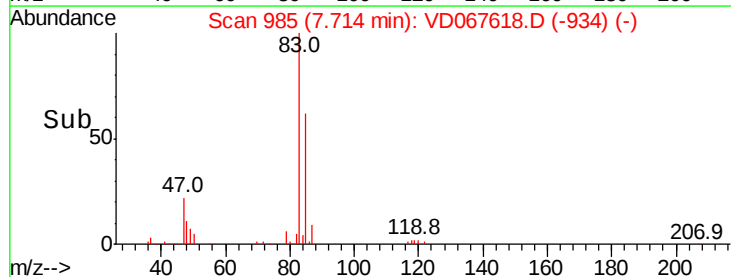
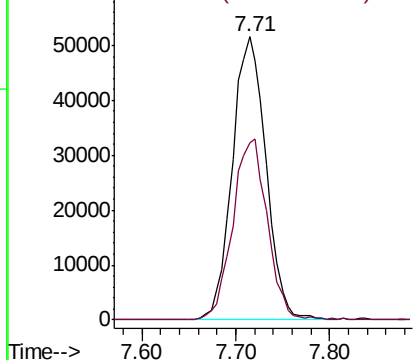


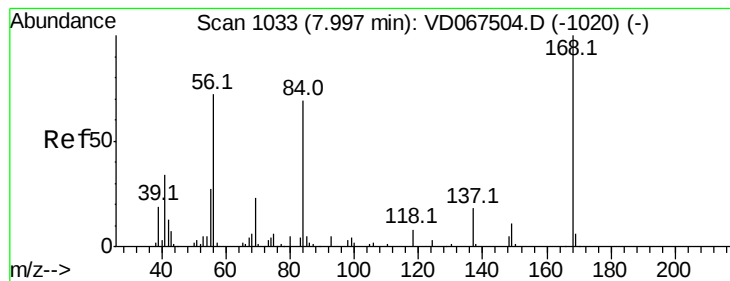
#30
Chloroform
Concen: 22.550 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 83 Resp: 128170
Ion Ratio Lower Upper
83 100
85 62.4 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 21.378 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

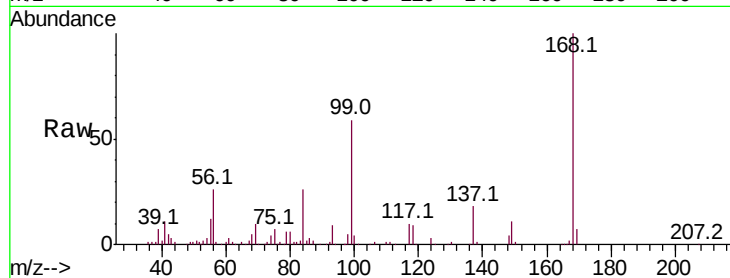
Tot Ion: 56 Resp: 90701

Ion Ratio Lower Upper

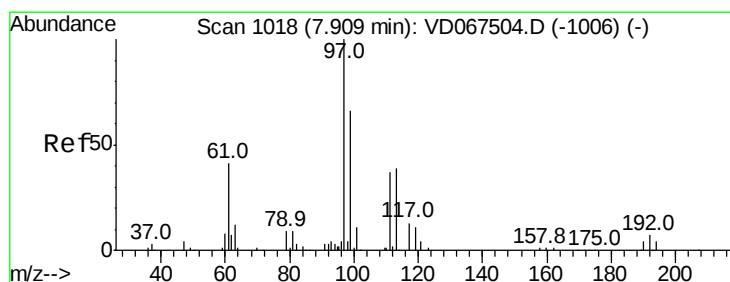
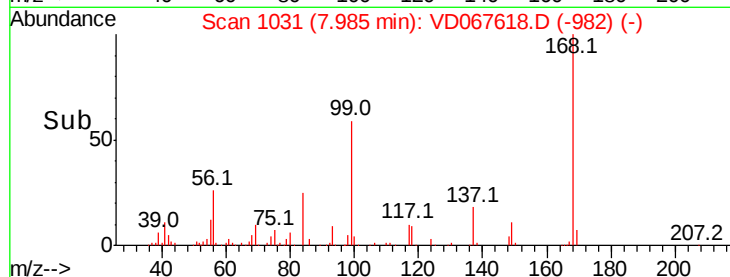
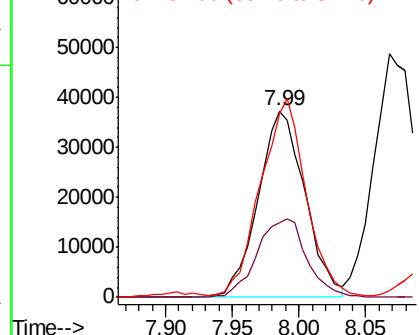
56 100

69 39.8 25.9 38.9#

84 96.5 76.2 114.4



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 21.585 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

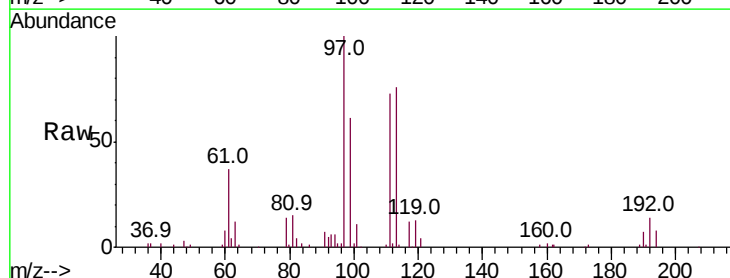
Tgt Ion: 97 Resp: 126584

Ion Ratio Lower Upper

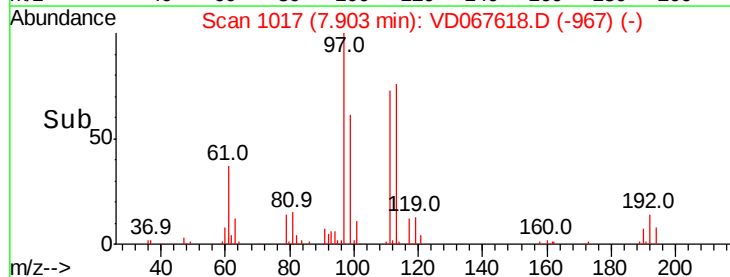
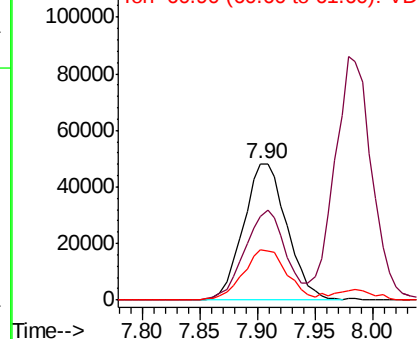
97 100

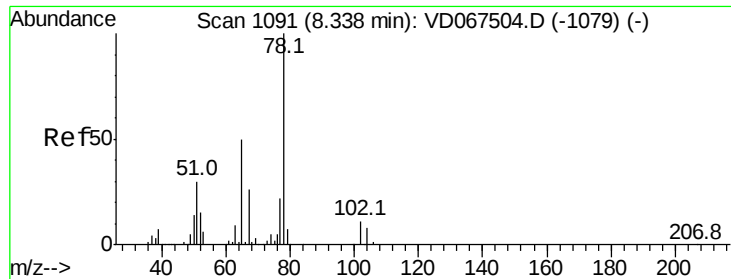
99 63.0 51.8 77.6

61 37.0 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

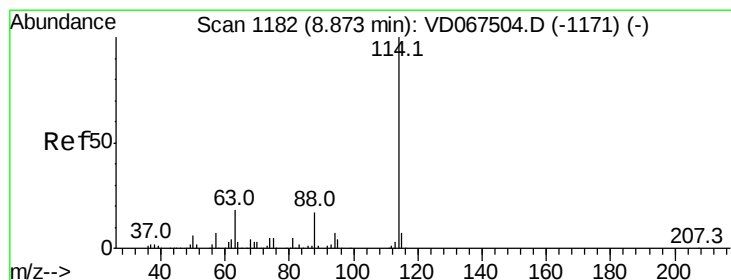
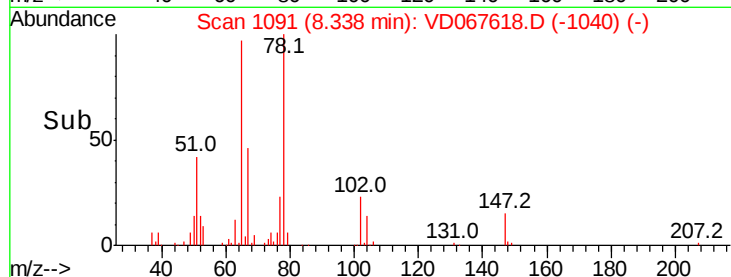
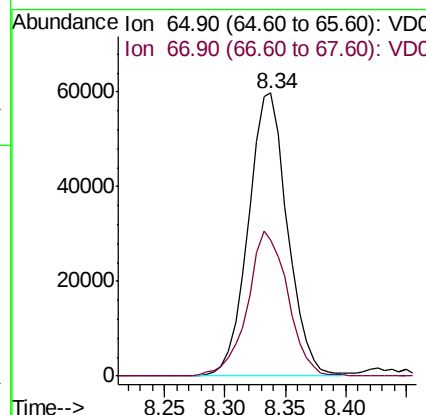
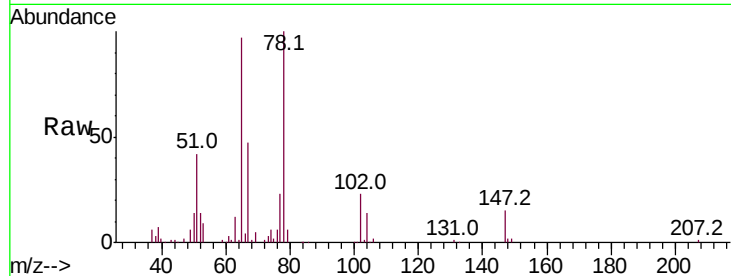




#33
 1,2-Dichloroethane-d4
 Concen: 46.151 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

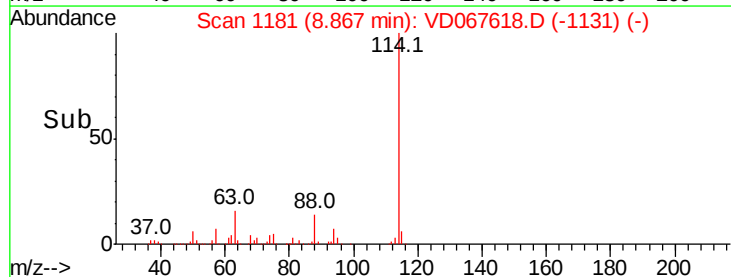
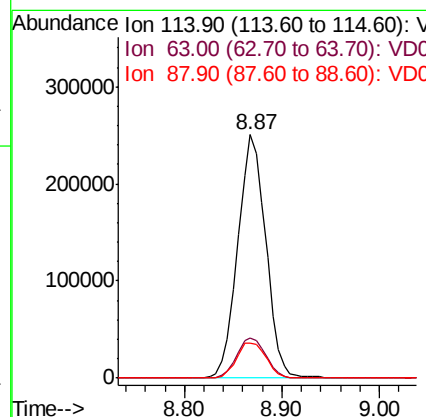
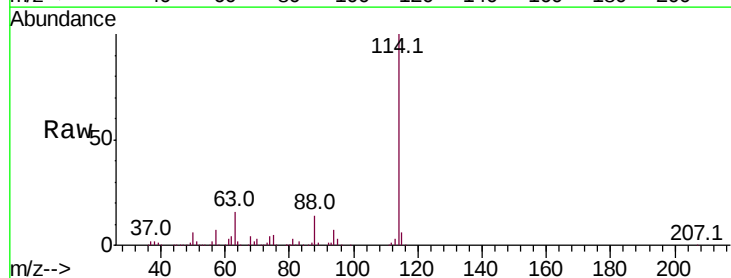
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

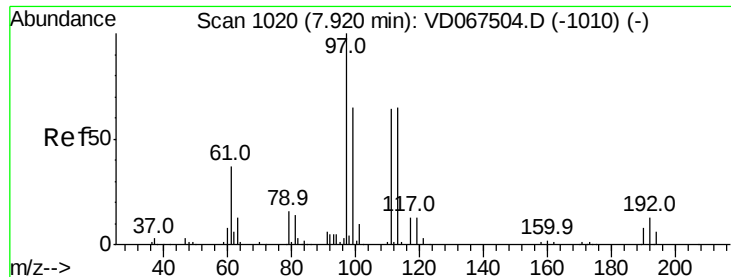
Tot Ion: 65 Resp: 135004
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

Tgt Ion: 114 Resp: 501753
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 35.0
 88 14.5 0.0 33.0

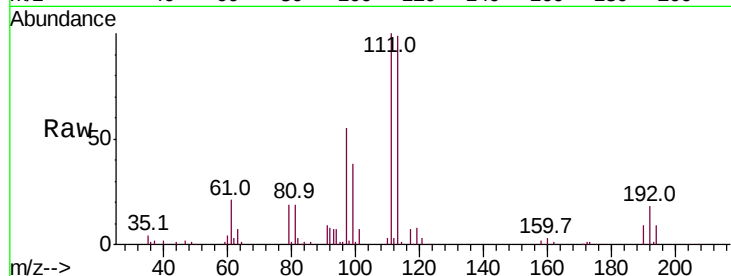




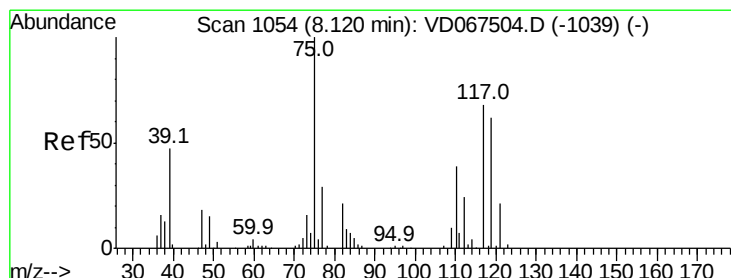
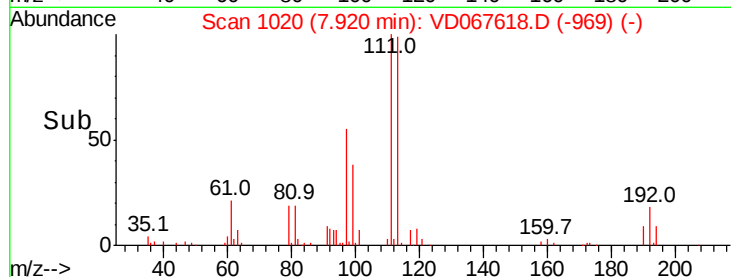
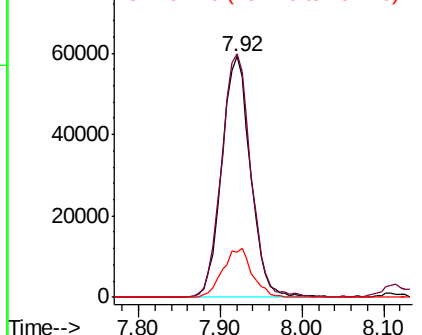
#35
 Dibromofluoromethane
 Concen: 48.055 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion:113 Resp: 145274
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.0 120.0
 192 20.5 16.3 24.5

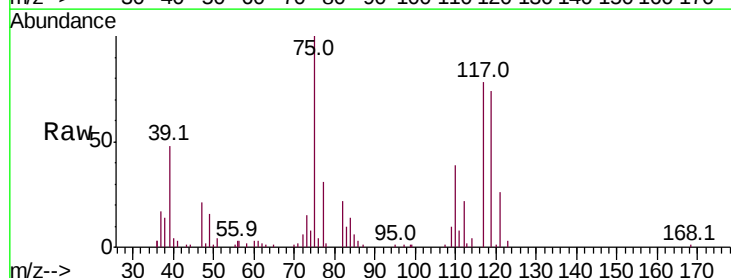


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

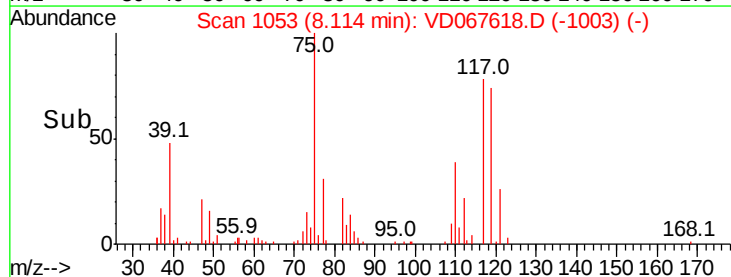
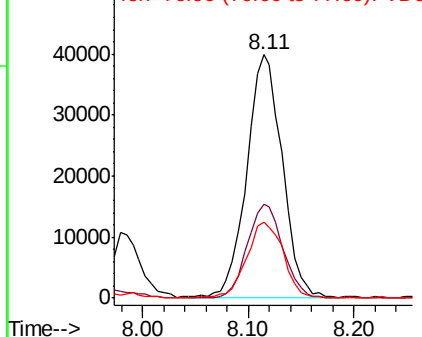


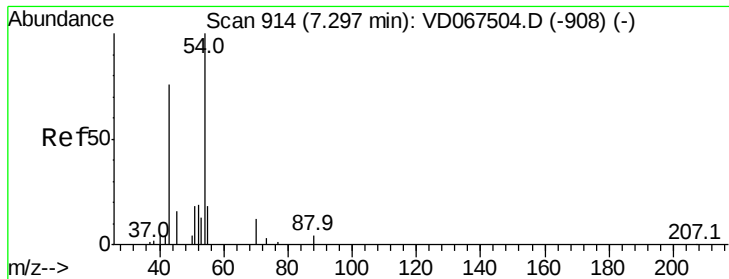
#36
 1,1-Dichloropropene
 Concen: 21.789 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

Tgt Ion: 75 Resp: 93580
 Ion Ratio Lower Upper
 75 100
 110 38.6 19.9 59.7
 77 32.1 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

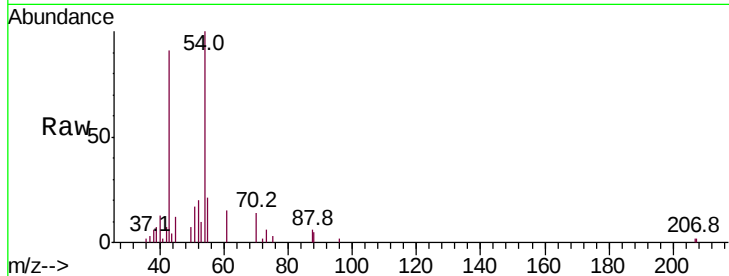




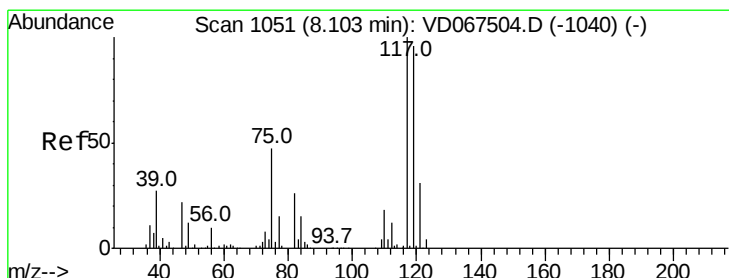
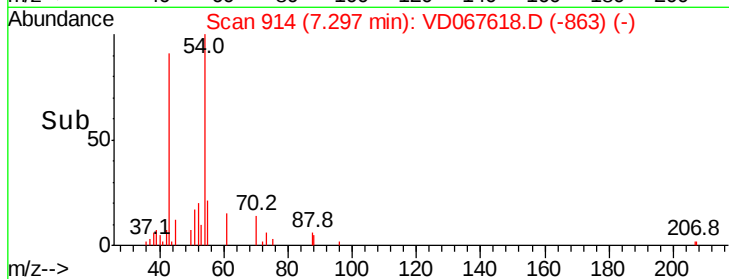
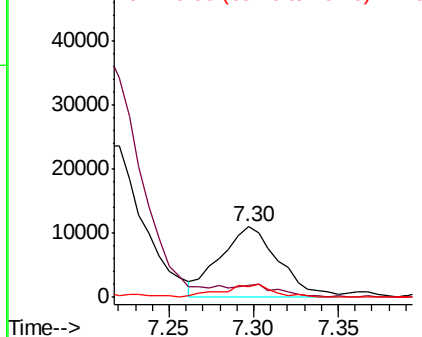
#37
Ethyl Acetate
Concen: 23.905 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 43 Resp: 26655
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 15.8 11.7 17.5

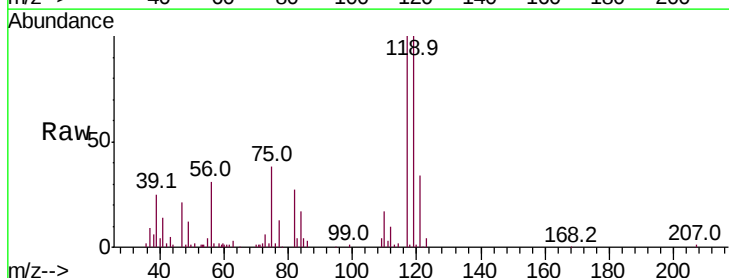


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

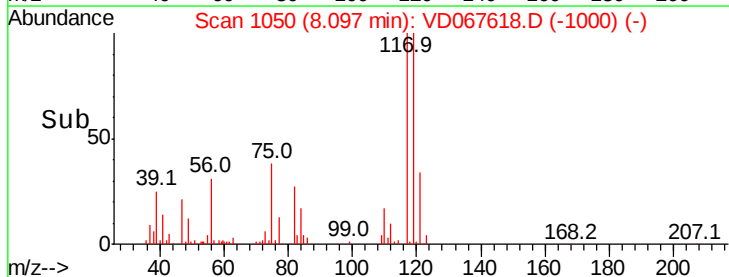
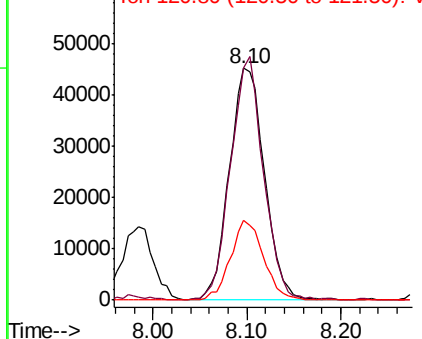


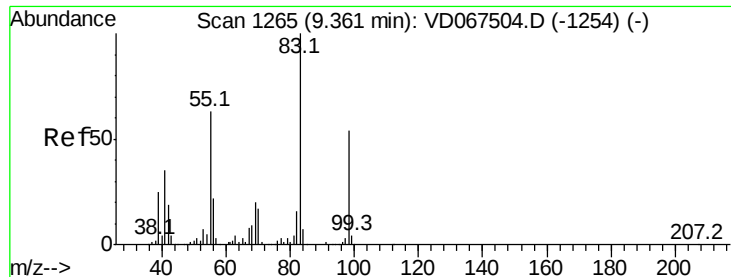
#38
Carbon Tetrachloride
Concen: 21.118 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 117 Resp: 117842
Ion Ratio Lower Upper
117 100
119 99.9 76.9 115.3
121 34.4 24.5 36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

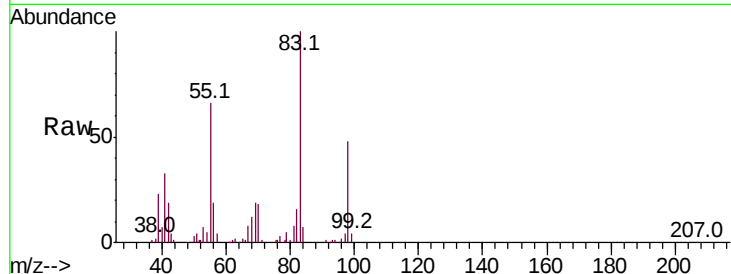




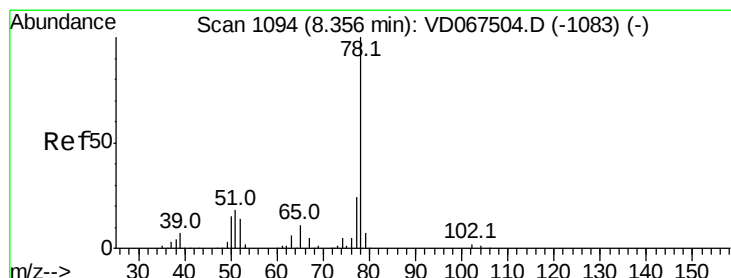
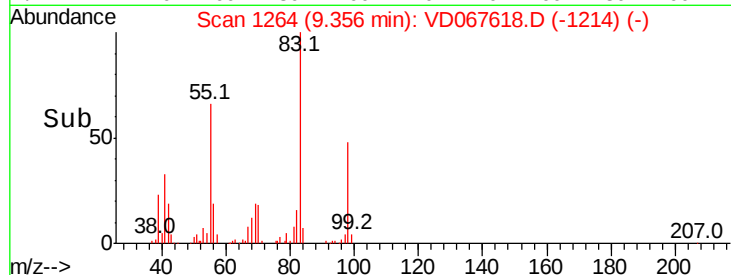
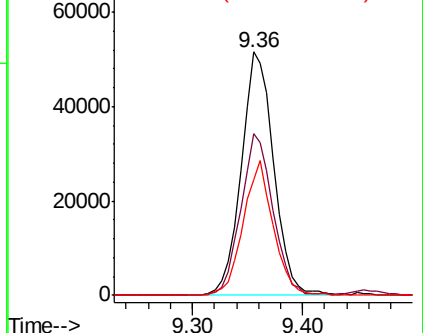
#39
Methvlcvclohexane
Concen: 21.054 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion: 83 Resp: 106426
Ion Ratio Lower Upper
83 100
55 66.2 50.5 75.7
98 47.5 43.4 65.0

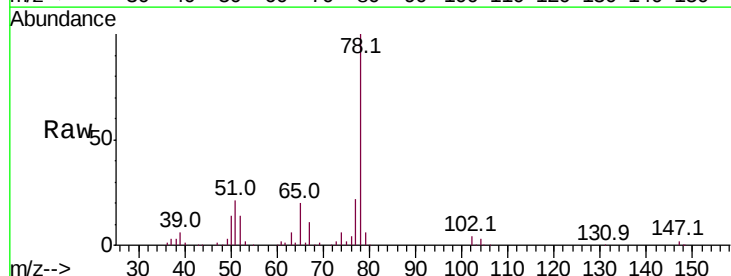


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

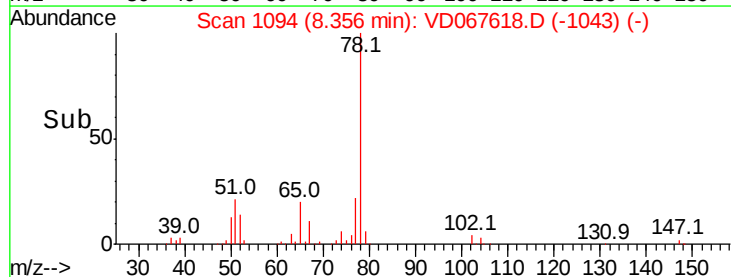
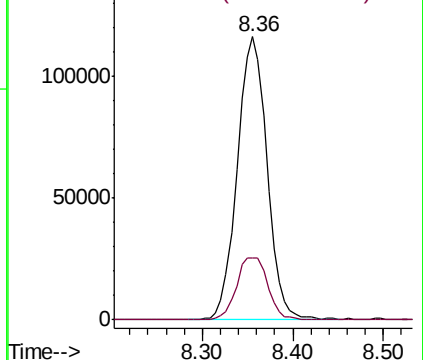


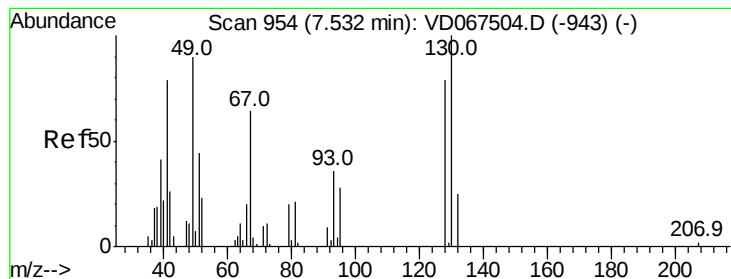
#40
Benzene
Concen: 22.805 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 78 Resp: 265308
Ion Ratio Lower Upper
78 100
77 21.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 56.938 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

Tot Ion: 41 Resp: 37950

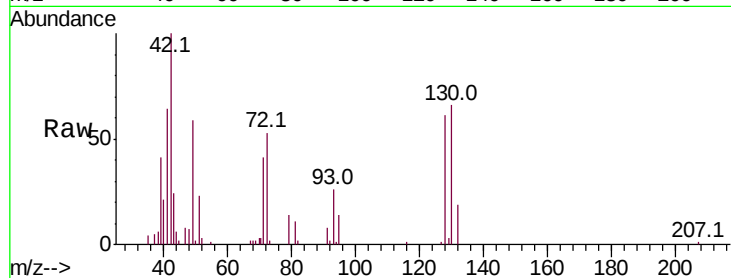
Ion Ratio Lower Upper

41 100

39 30.0 51.3 76.9#

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

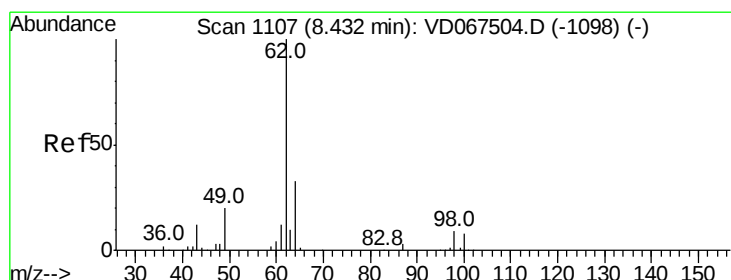
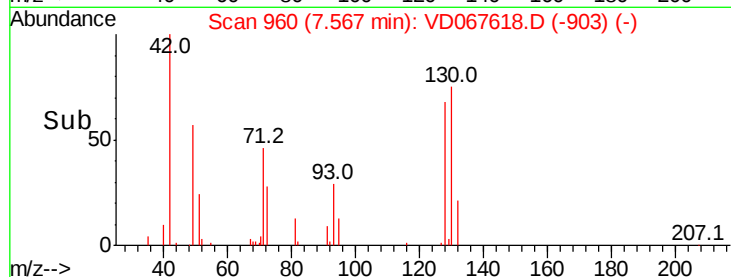
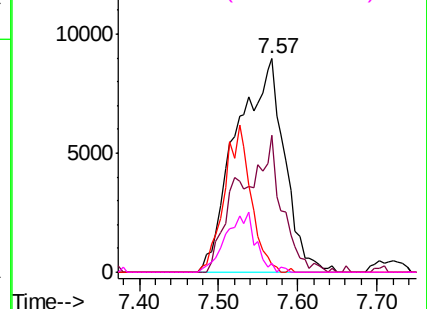


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.975 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067618.D

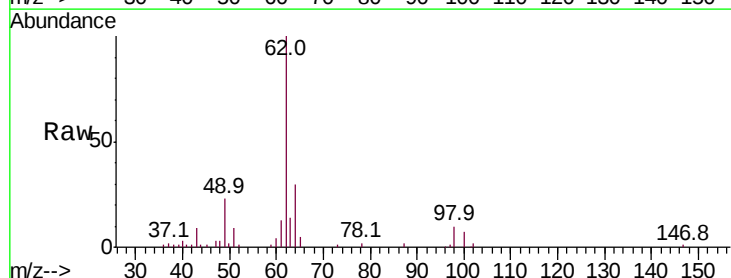
Acq: 12 Nov 2020 12:57

Tgt Ion: 62 Resp: 78989

Ion Ratio Lower Upper

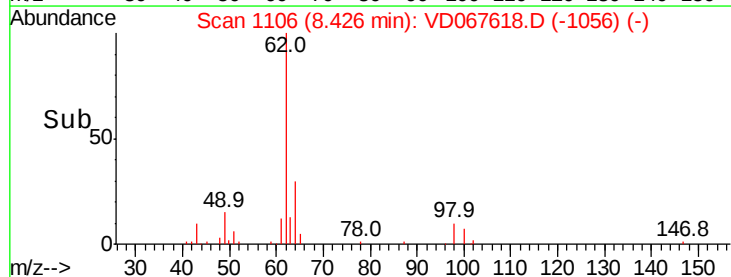
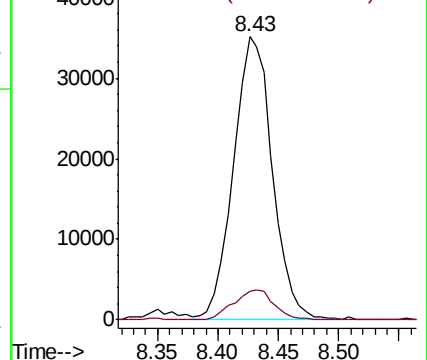
62 100

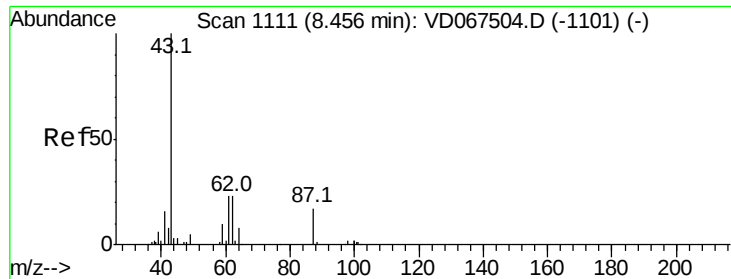
98 10.9 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 24.330 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

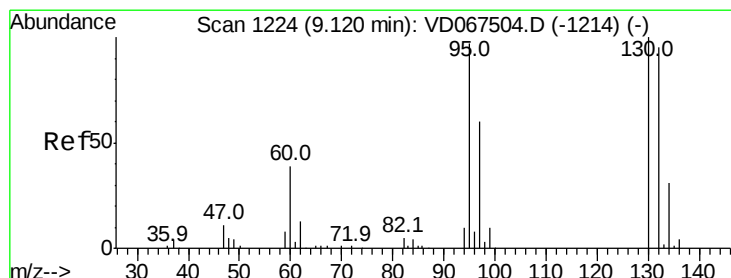
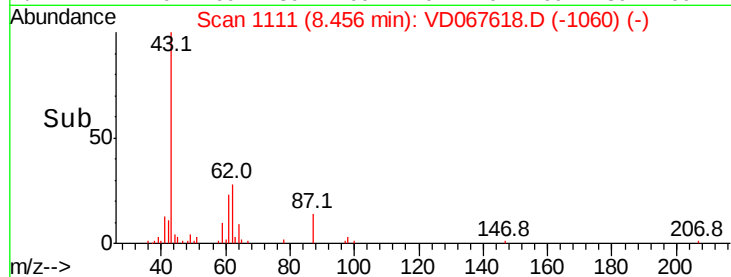
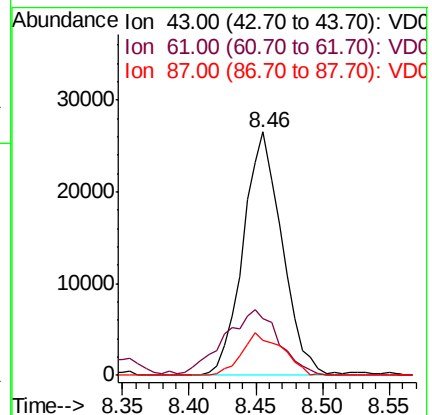
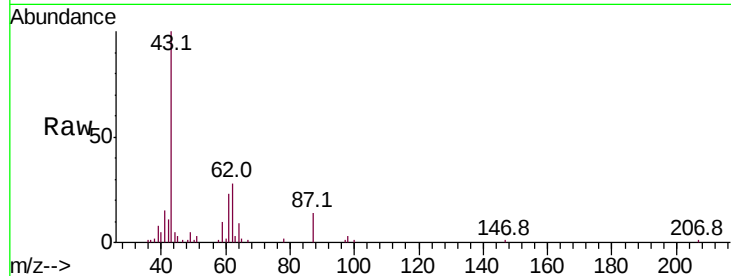
Tot Ion: 43 Resp: 53652

Ion Ratio Lower Upper

43 100

61 38.3 30.5 45.7

87 18.4 14.7 22.1



#44

Trichloroethene

Concen: 21.736 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD067618.D

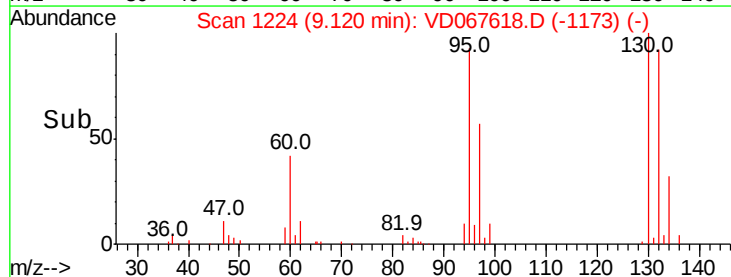
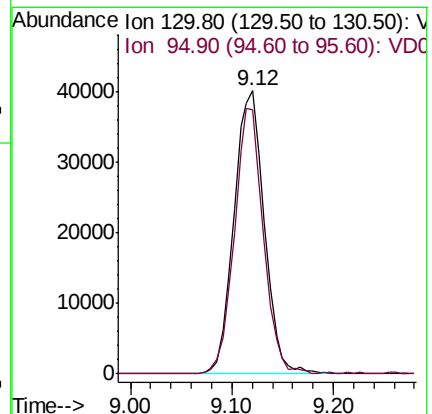
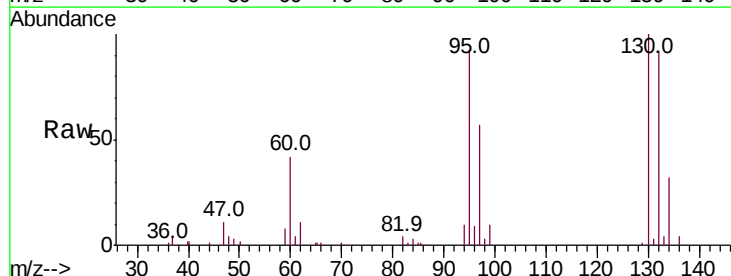
Acq: 12 Nov 2020 12:57

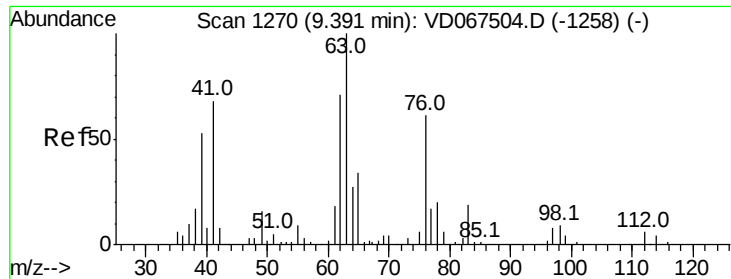
Tgt Ion: 130 Resp: 83148

Ion Ratio Lower Upper

130 100

95 93.2 0.0 194.4





#45

1,2-Dichloropropane

Concen: 23.436 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

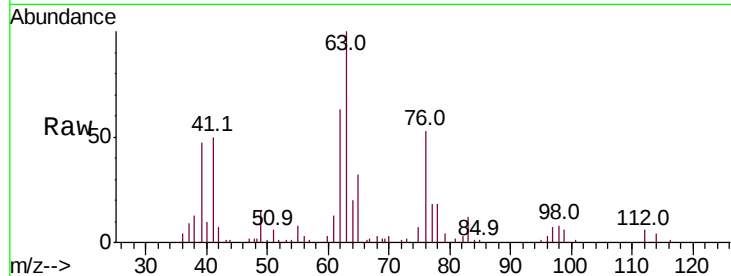
VD1112SBSD01

Tot Ion: 63 Resp: 58950

Ion Ratio Lower Upper

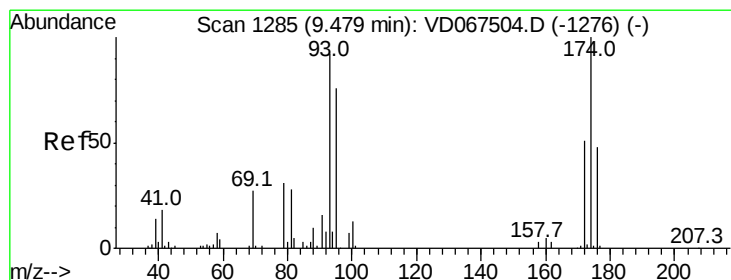
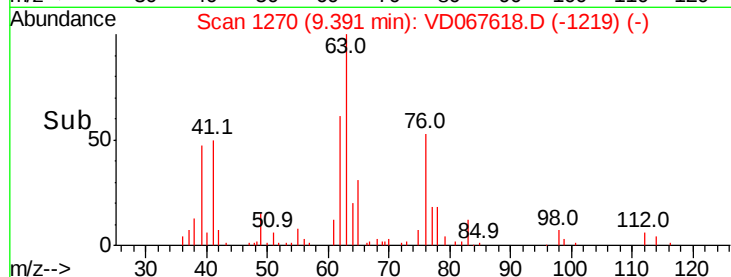
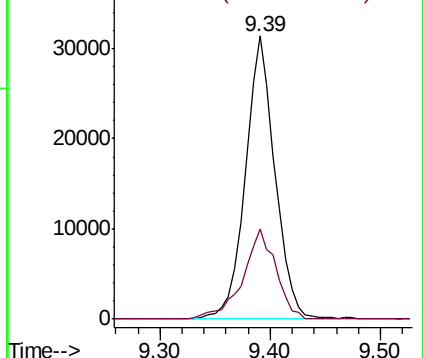
63 100

65 31.6 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 23.087 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

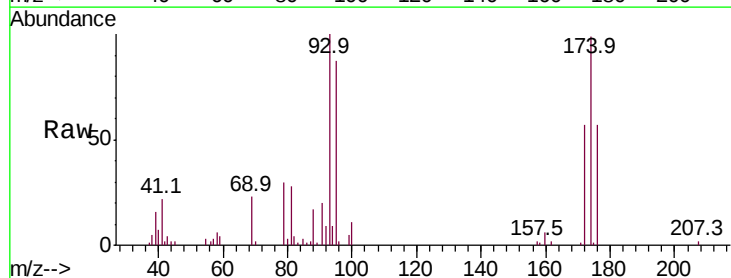
Tgt Ion: 93 Resp: 36924

Ion Ratio Lower Upper

93 100

95 82.4 66.4 99.6

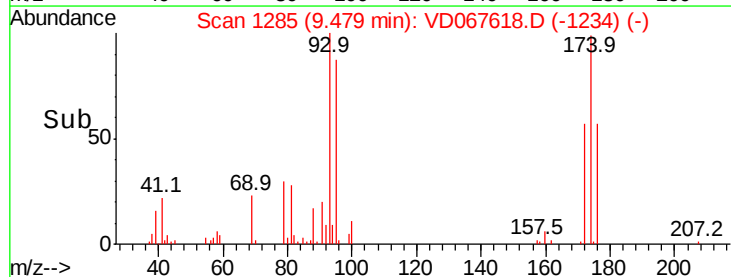
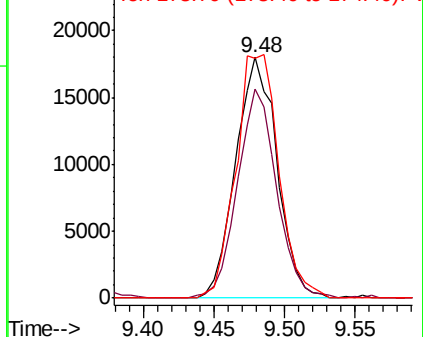
174 105.1 88.2 132.4

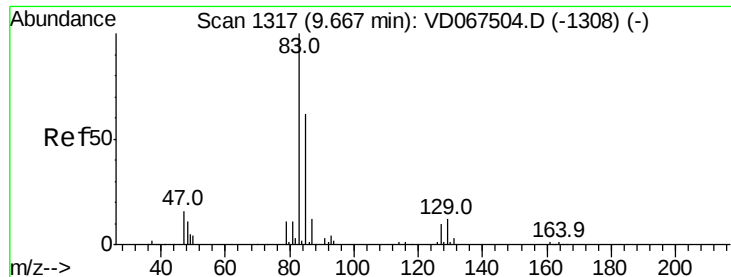


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 22.218 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

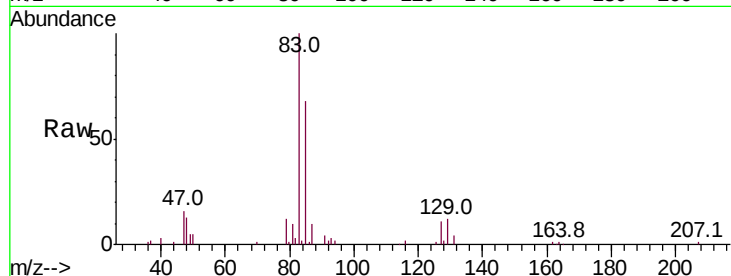
Tot Ion: 83 Resp: 96579

Ion Ratio Lower Upper

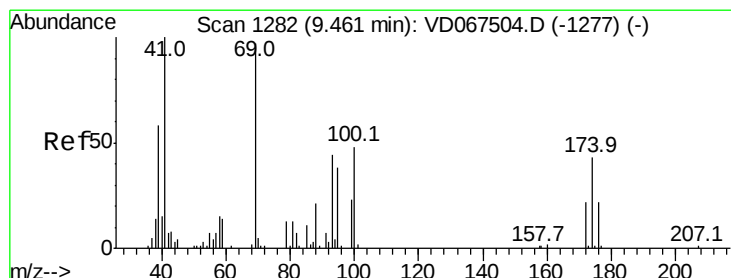
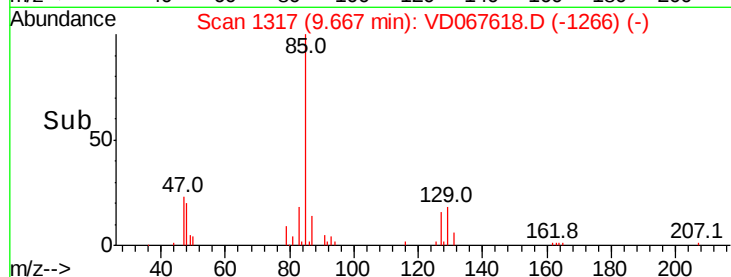
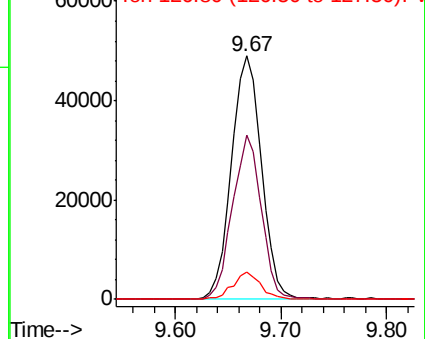
83 100

85 67.7 49.4 74.2

127 11.0 7.7 11.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.208 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

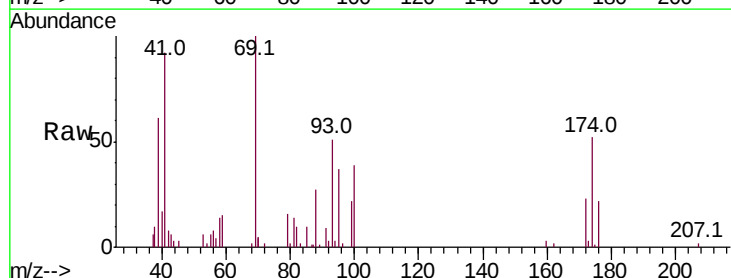
Tgt Ion: 41 Resp: 25286

Ion Ratio Lower Upper

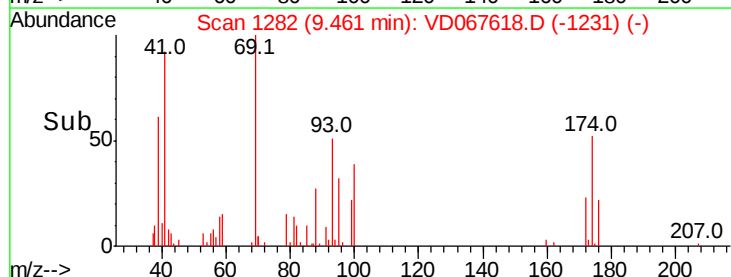
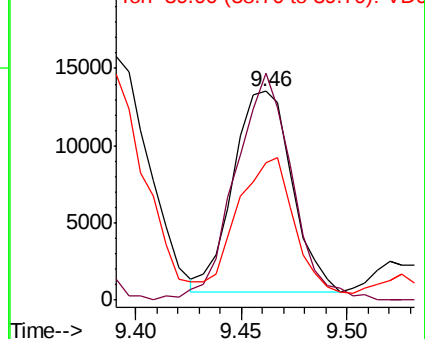
41 100

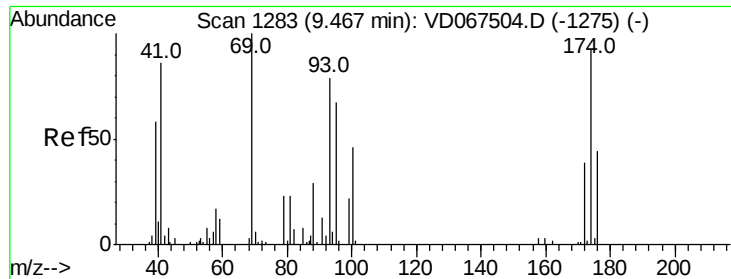
69 108.4 80.6 121.0

39 72.8 50.2 75.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

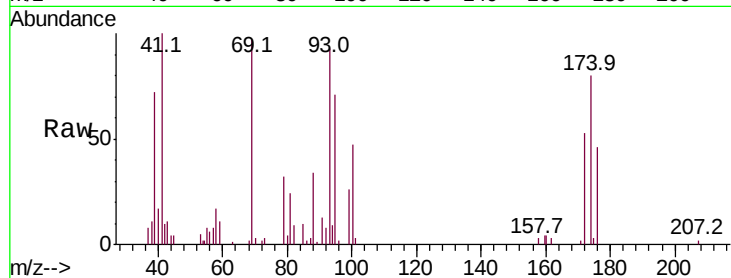




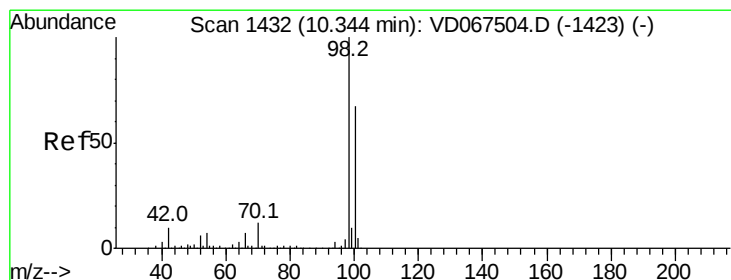
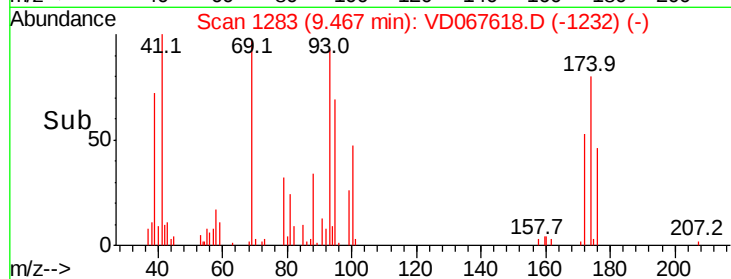
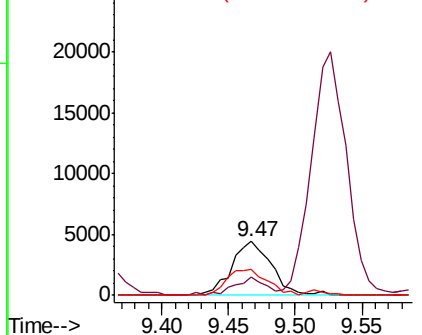
#49
1,4-Dioxane
Concen: 571.390 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion: 88 Resp: 9277
Ion Ratio Lower Upper
88 100
43 26.0 23.6 35.4
58 48.3 44.7 67.1

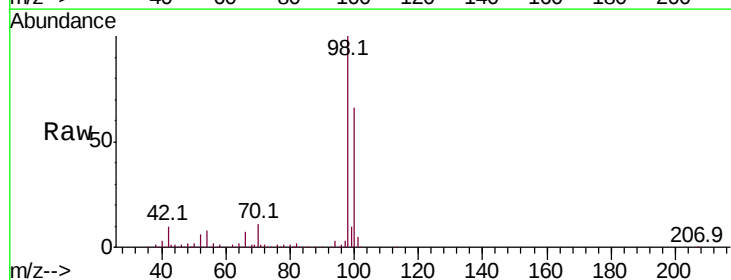


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

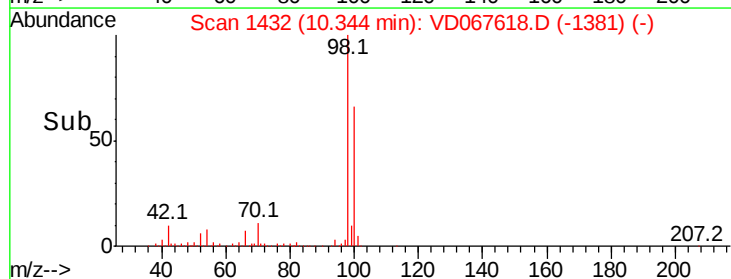
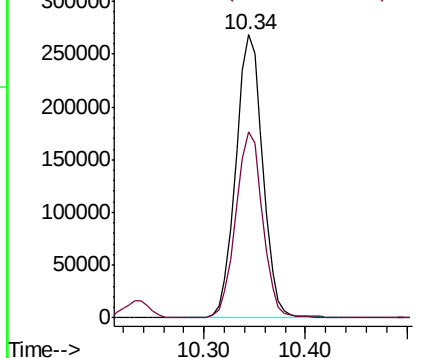


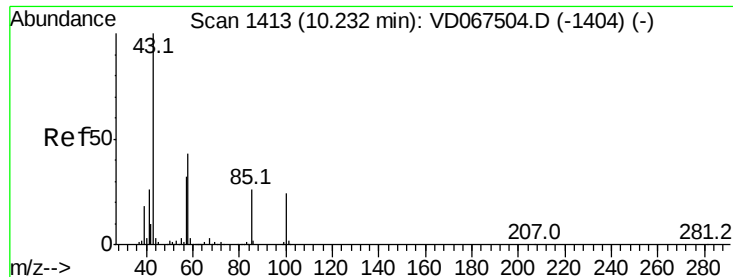
#50
Toluene-d8
Concen: 46.574 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 98 Resp: 494787
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 123.339 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

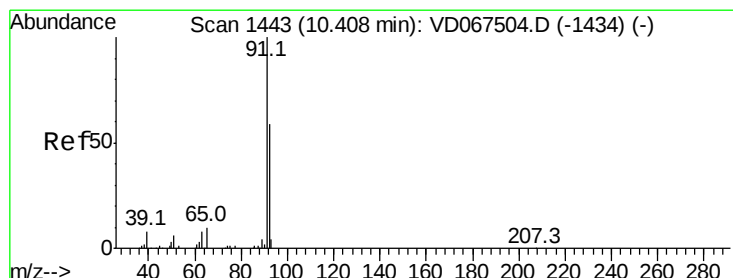
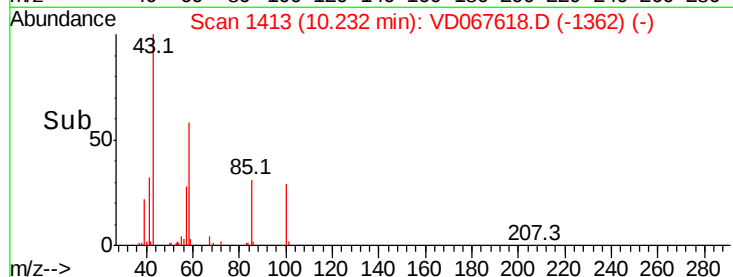
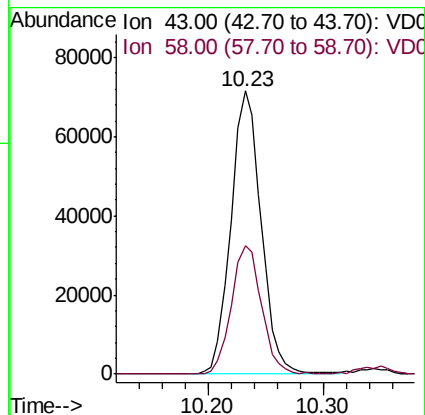
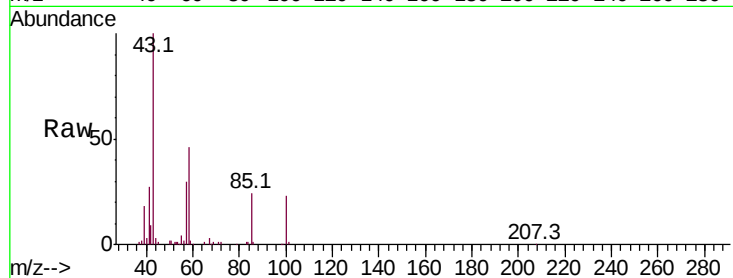
VD1112SBS01

Tot Ion: 43 Resp: 130079

Ion Ratio Lower Upper

43 100

58 45.3 35.6 53.4



#52

Toluene

Concen: 22.395 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067618.D

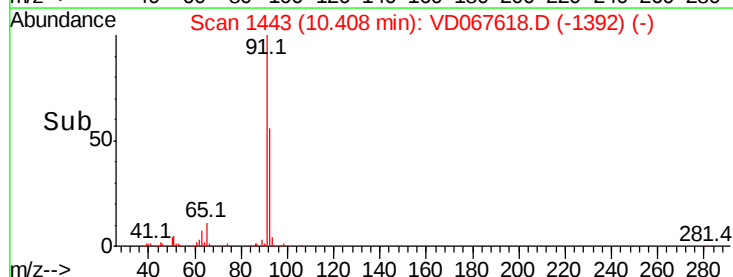
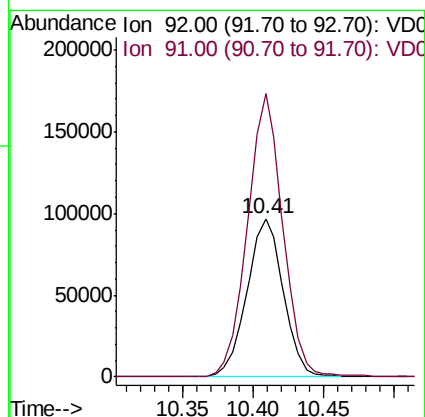
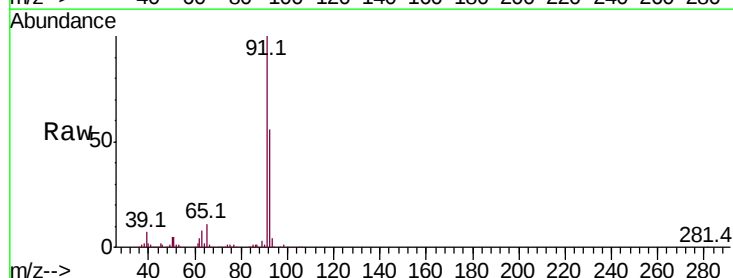
Acq: 12 Nov 2020 12:57

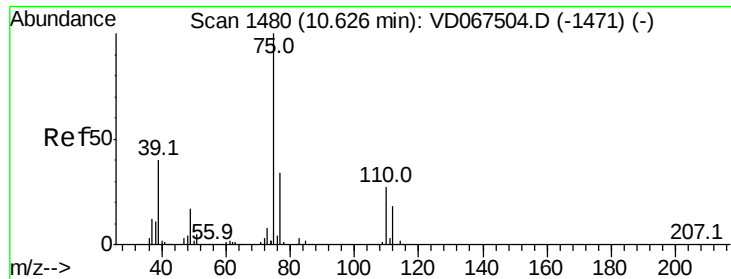
Tgt Ion: 92 Resp: 174508

Ion Ratio Lower Upper

92 100

91 174.7 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 22.556 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

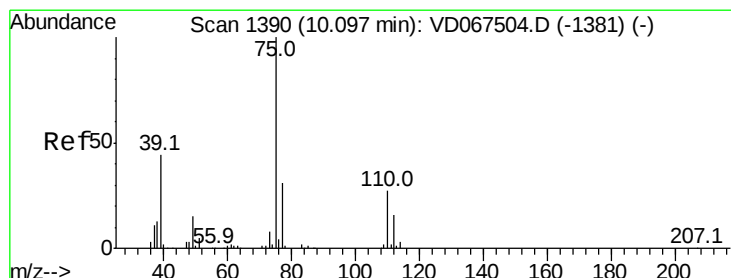
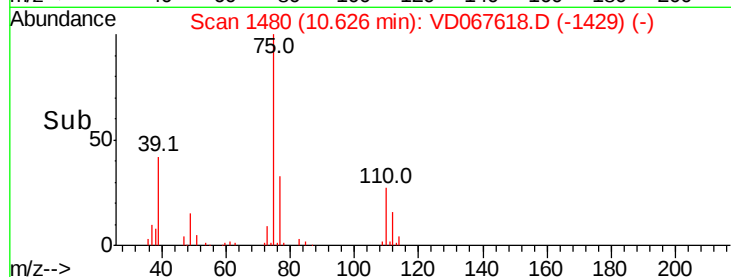
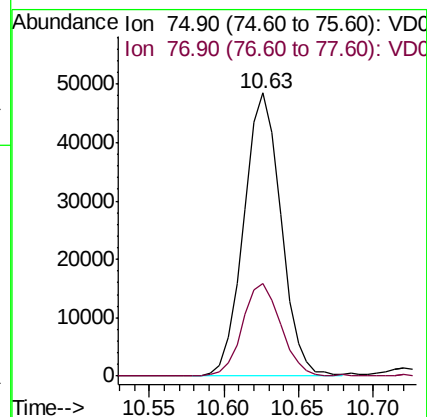
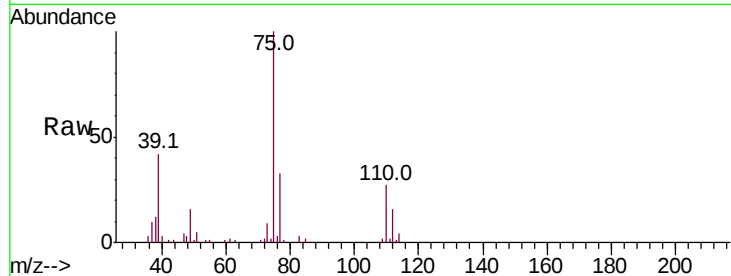
VD1112SBSD01

Tot Ion: 75 Resp: 83974

Ion Ratio Lower Upper

75 100

77 32.9 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 21.992 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

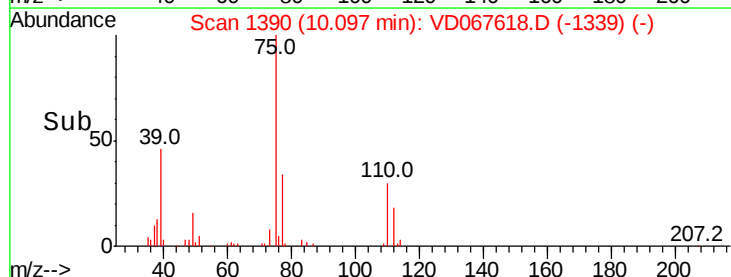
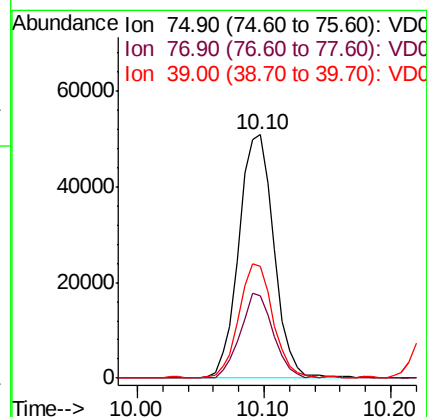
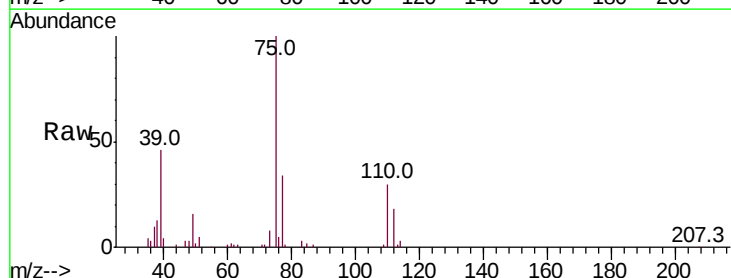
Tgt Ion: 75 Resp: 97280

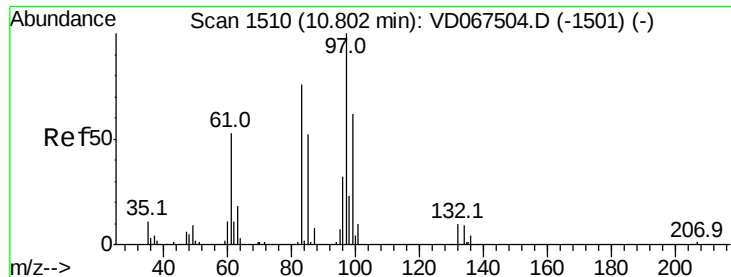
Ion Ratio Lower Upper

75 100

77 33.8 24.4 36.6

39 45.7 35.6 53.4

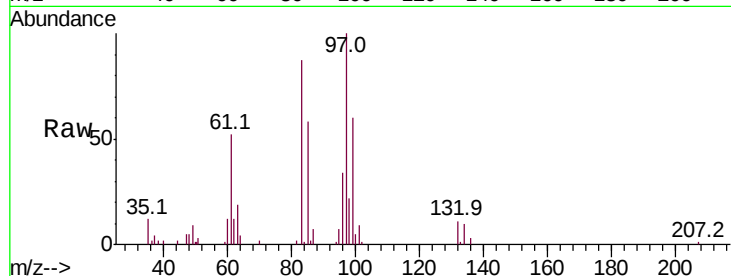




#55
 1,1,2-Trichloroethane
 Concen: 23.446 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion:	97	Resp:	49613
Ion	Ratio	Lower	Upper
97	100		
83	86.8	61.0	91.6
85	57.8	41.5	62.3
99	60.2	49.4	74.2



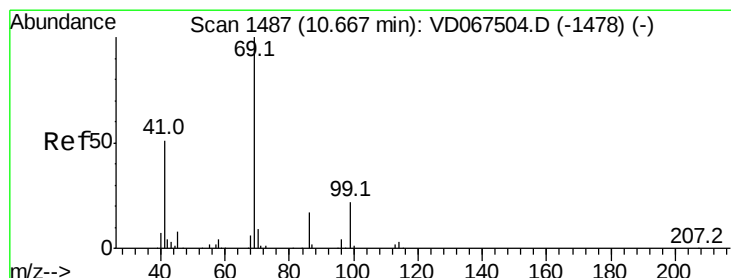
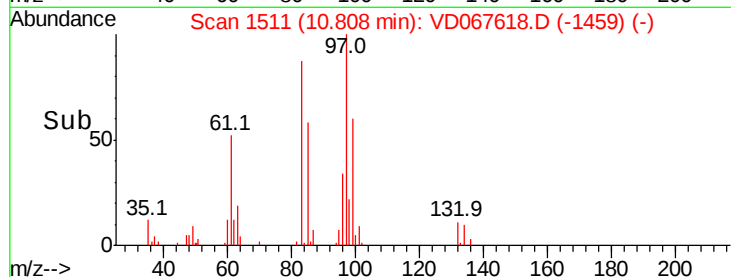
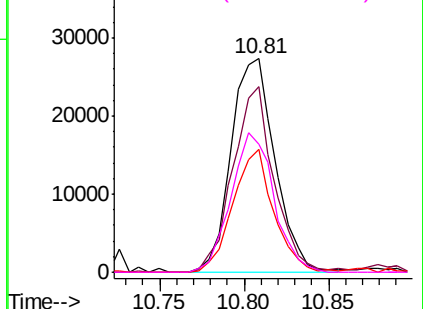
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

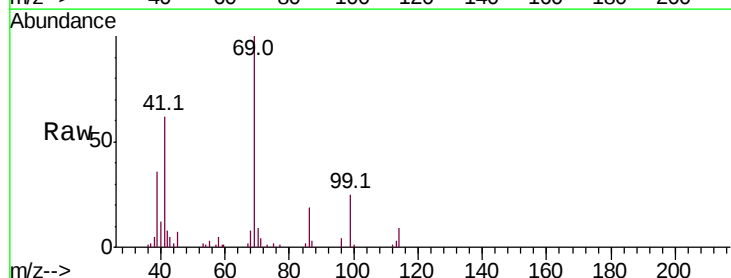
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 22.992 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

Tgt Ion:	69	Resp:	50242
Ion	Ratio	Lower	Upper
69	100		
41	59.4	45.4	68.0
39	33.7	27.4	41.0

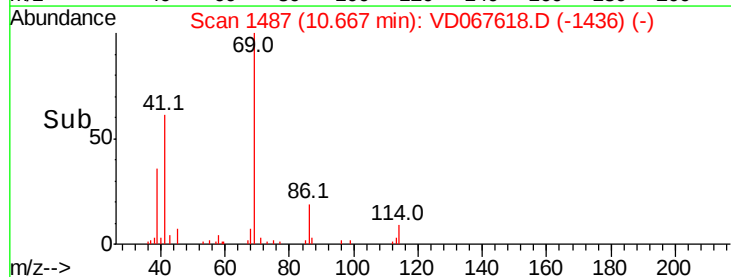
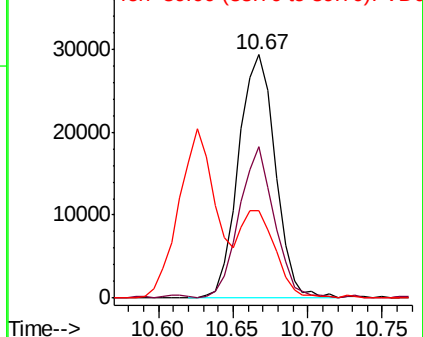


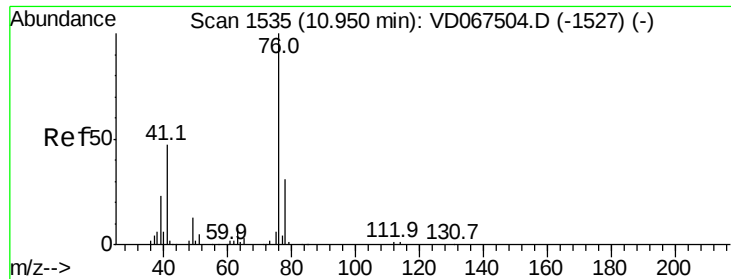
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 23.599 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

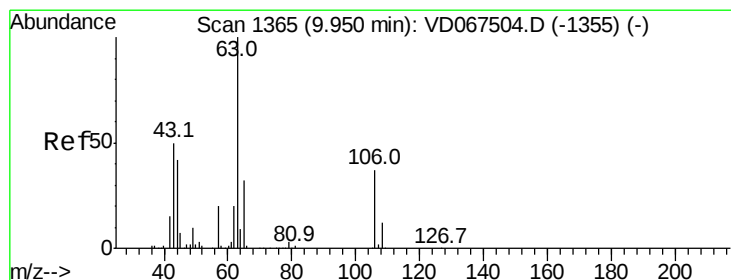
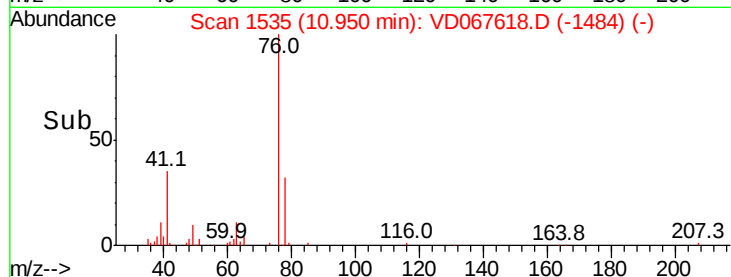
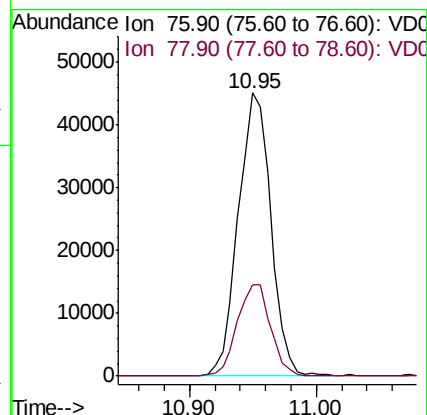
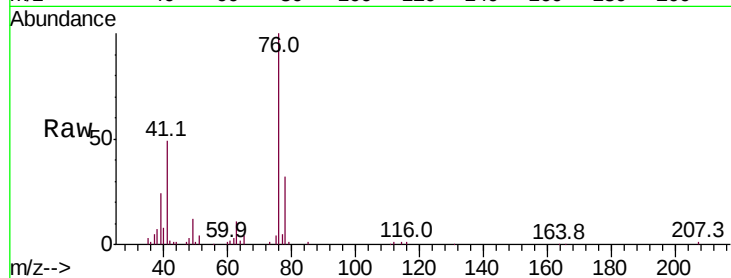
VD1112SBSD01

Tot Ion: 76 Resp: 80359

Ion Ratio Lower Upper

76 100

78 32.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 111.557 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067618.D

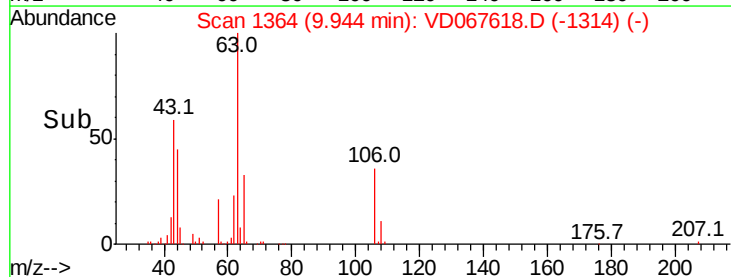
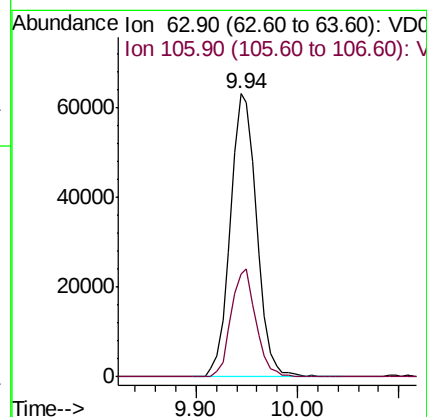
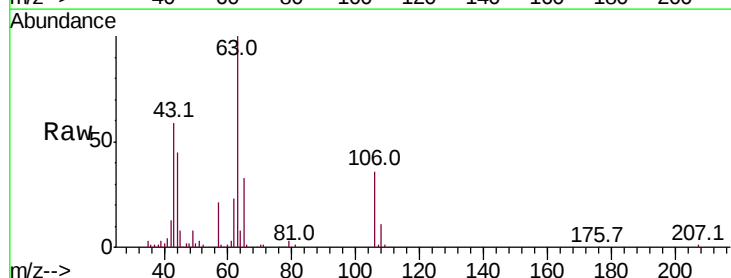
Acq: 12 Nov 2020 12:57

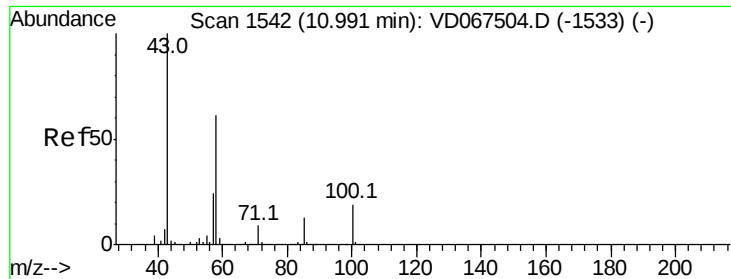
Tgt Ion: 63 Resp: 113680

Ion Ratio Lower Upper

63 100

106 35.7 29.2 43.8

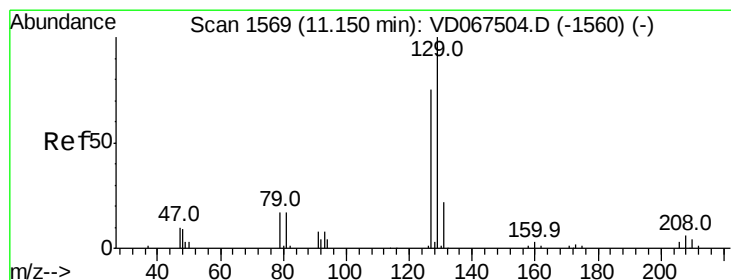
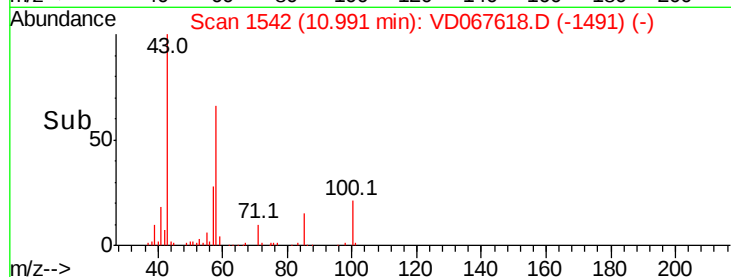
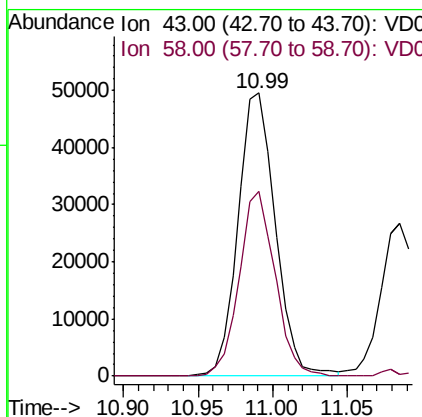
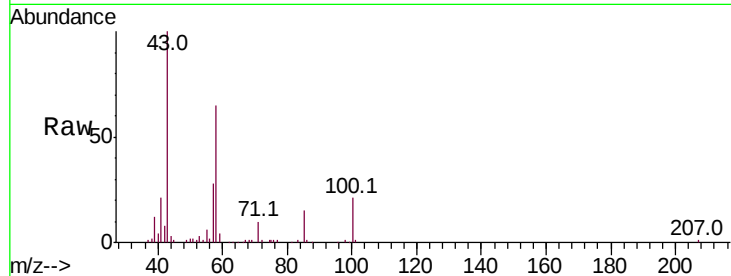




#59
2-Hexanone
Concen: 116.675 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

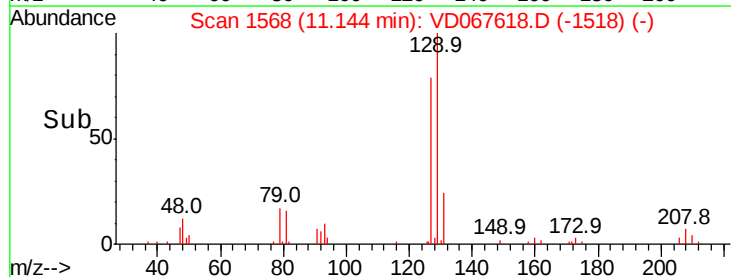
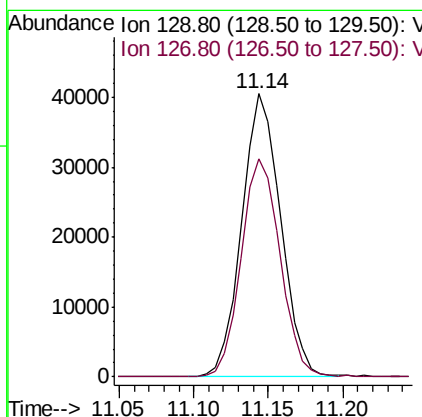
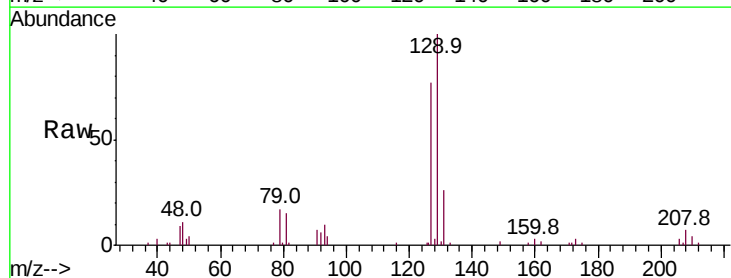
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

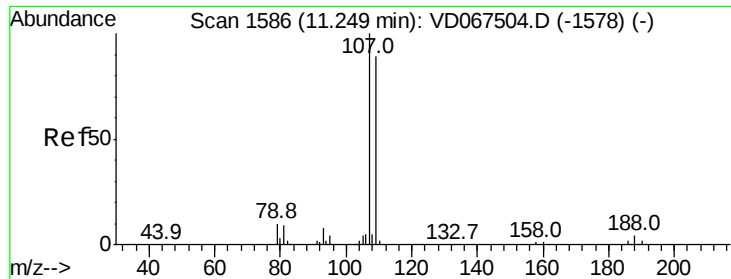
Tot Ion: 43 Resp: 86037
Ion Ratio Lower Upper
43 100
58 62.6 30.3 90.9



#60
Dibromochloromethane
Concen: 23.362 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 129 Resp: 73131
Ion Ratio Lower Upper
129 100
127 77.1 38.0 114.1





#61

1,2-Dibromoethane

Concen: 23.217 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

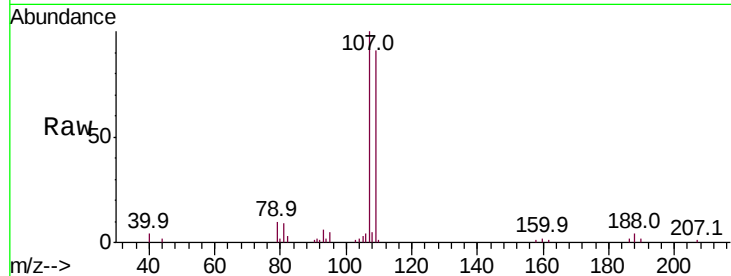
VD1112SBSD01

Tot Ion:107 Resp: 49309

Ion Ratio Lower Upper

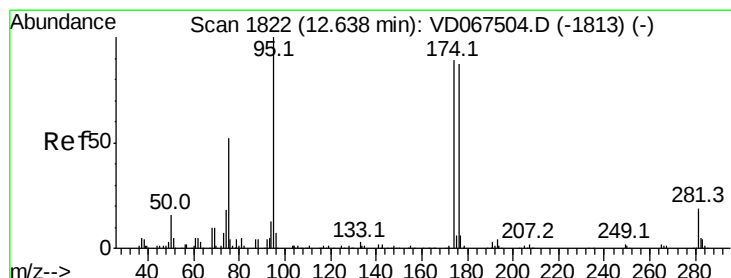
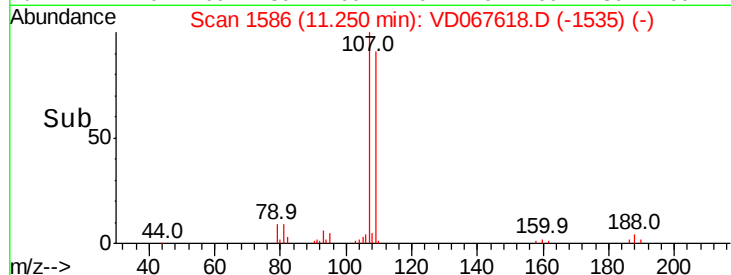
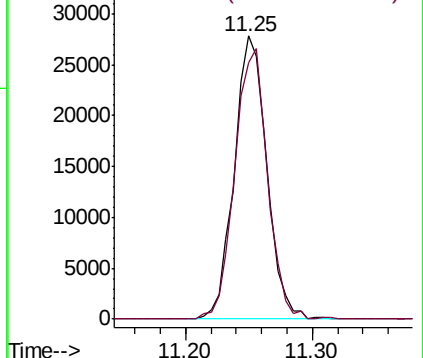
107 100

109 95.9 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.167 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

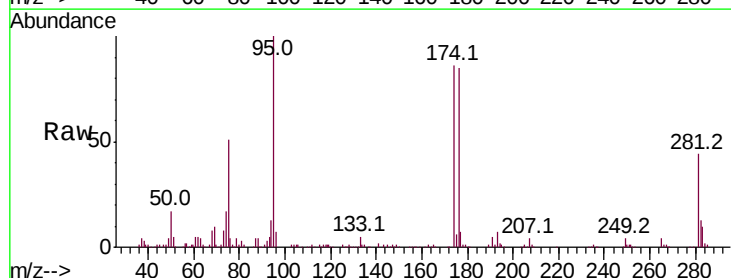
Tgt Ion: 95 Resp: 180335

Ion Ratio Lower Upper

95 100

174 88.9 0.0 177.8

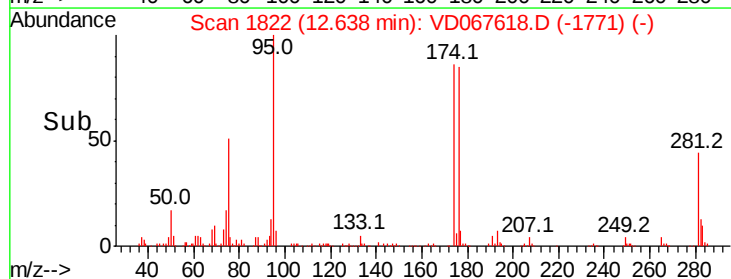
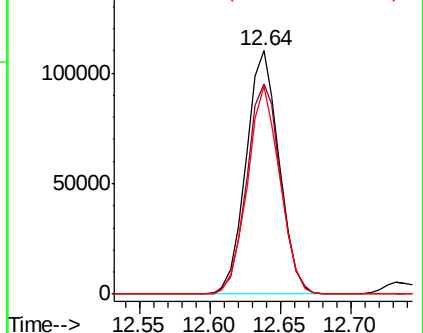
176 84.3 0.0 172.0

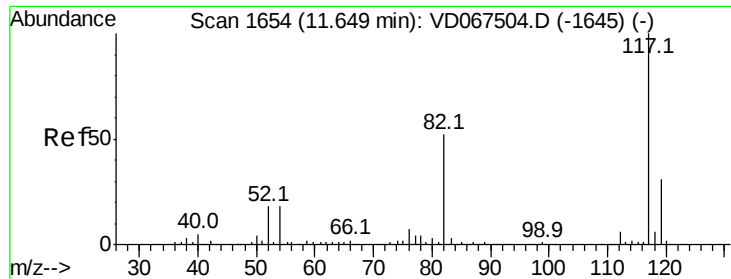


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

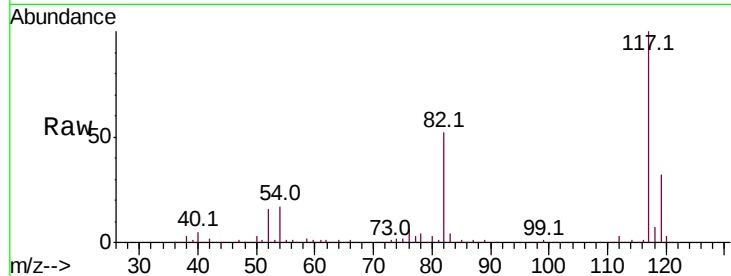




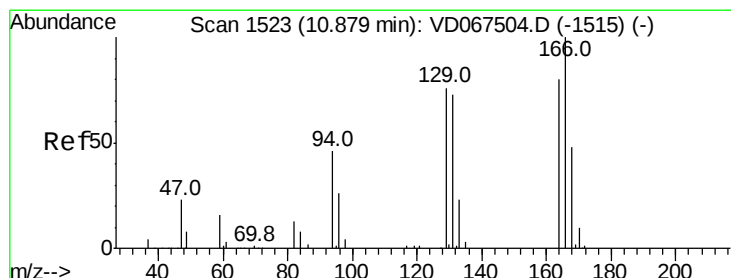
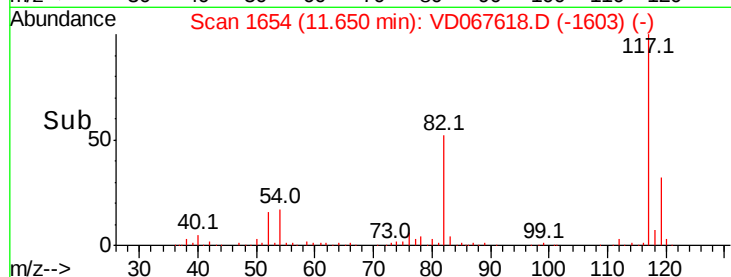
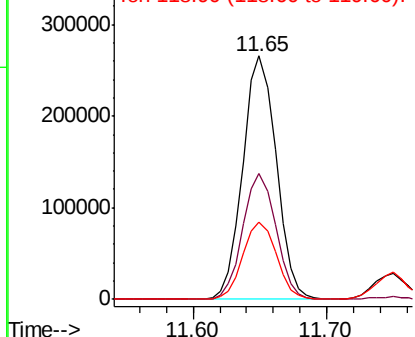
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion:117 Resp: 461742
Ion Ratio Lower Upper
117 100
82 51.9 41.6 62.4
119 31.9 25.1 37.7

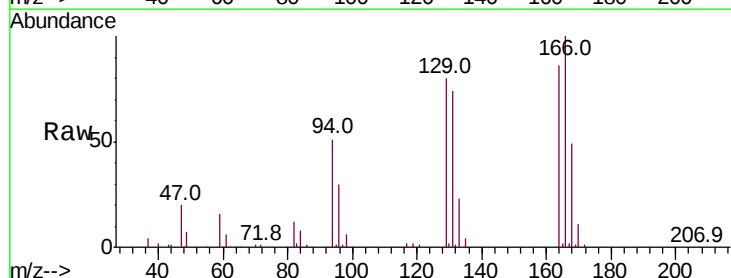


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

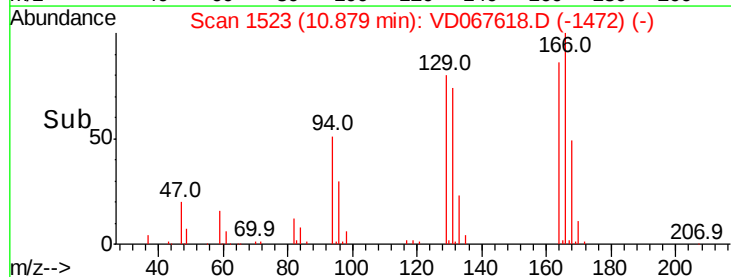
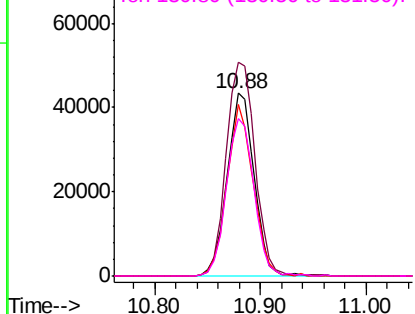


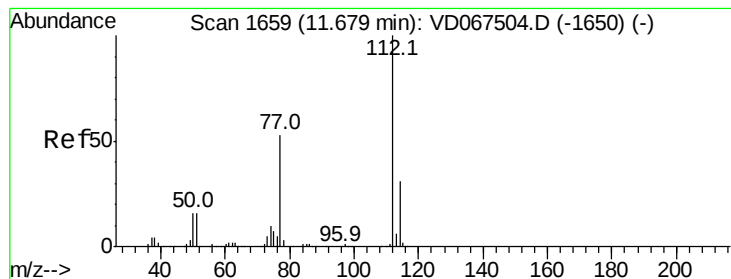
#64
Tetrachloroethene
Concen: 22.320 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion:164 Resp: 76326
Ion Ratio Lower Upper
164 100
166 116.9 99.9 149.9
129 94.0 75.5 113.3
131 86.4 73.4 110.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.142 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

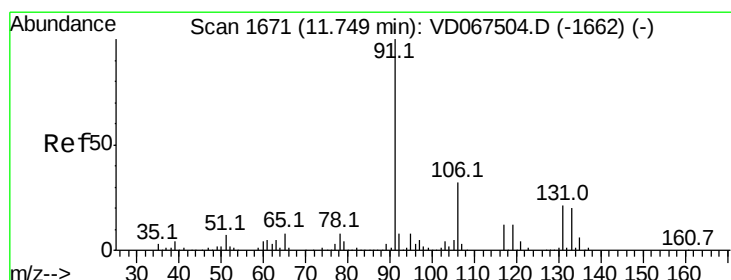
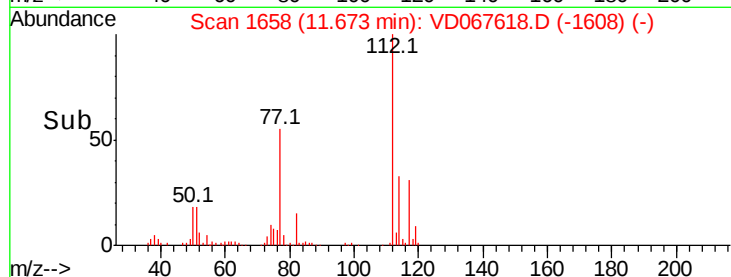
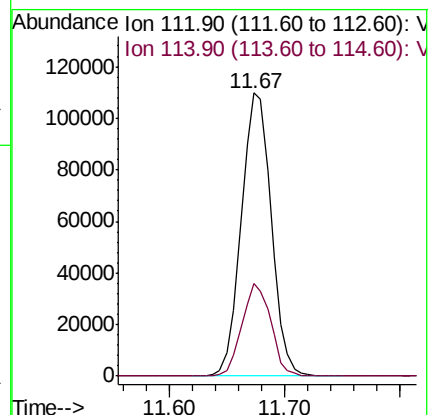
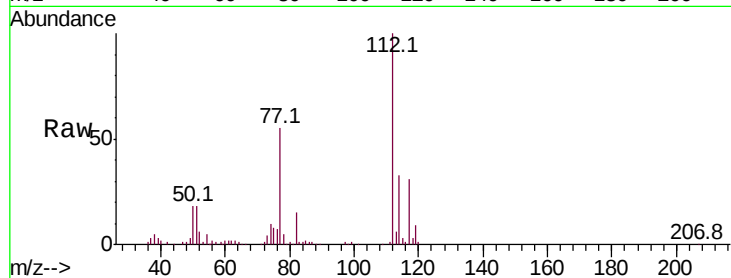
VD1112SBSD01

Tot Ion:112 Resp: 196944

Ion Ratio Lower Upper

112 100

114 32.8 24.9 37.3



#66

1,1,1,2-Tetrachloroethane

Concen: 22.339 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

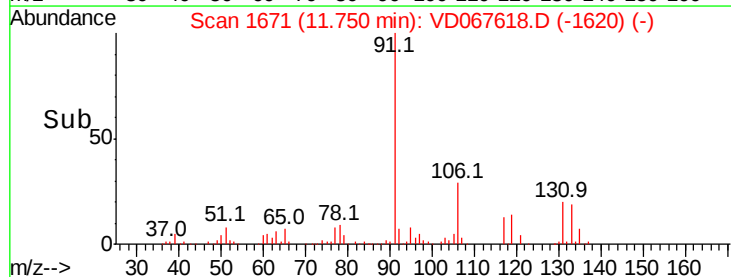
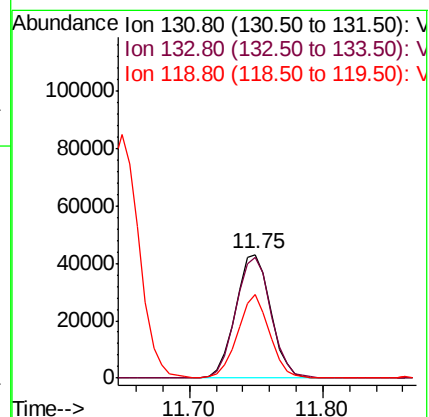
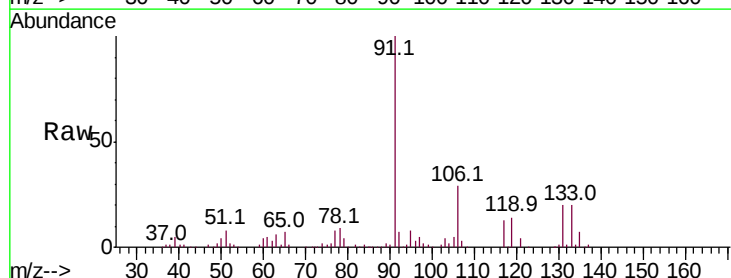
Tgt Ion:131 Resp: 78310

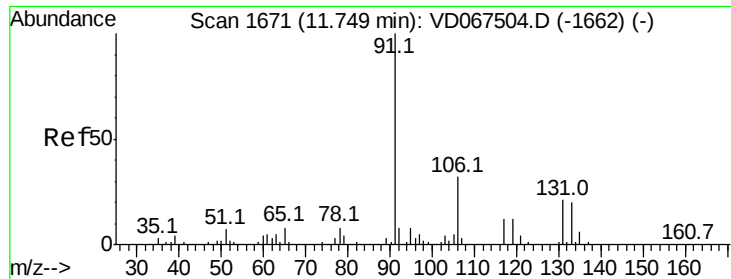
Ion Ratio Lower Upper

131 100

133 98.3 48.0 144.0

119 61.7 30.1 90.5

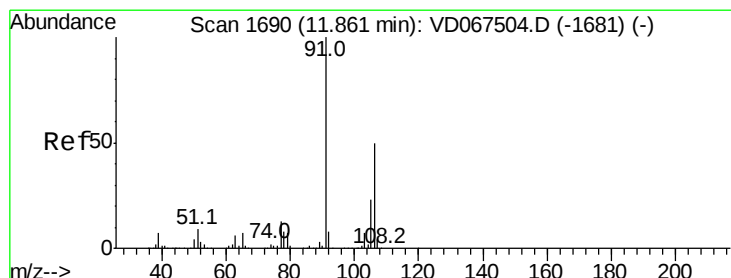
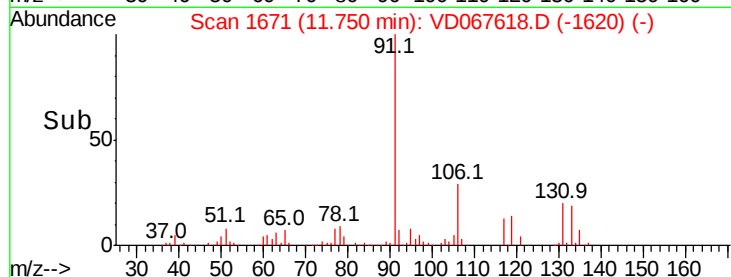
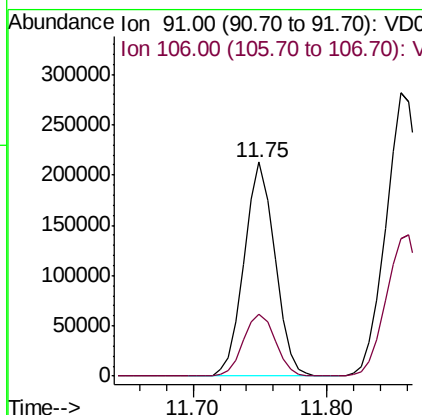
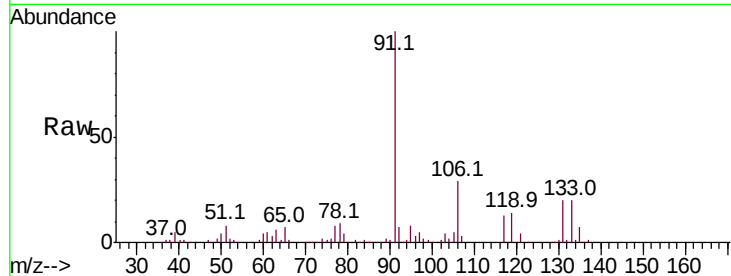




#67
Ethyl Benzene
Concen: 22.292 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

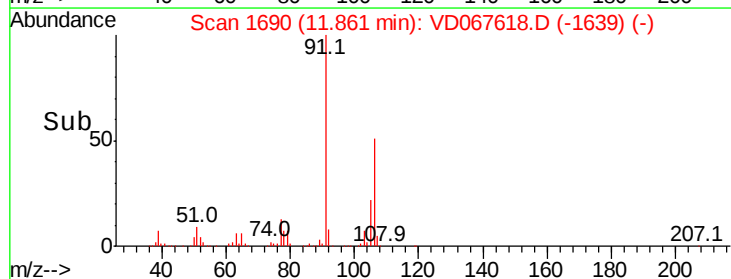
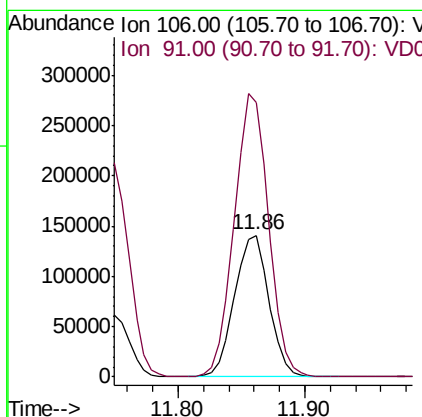
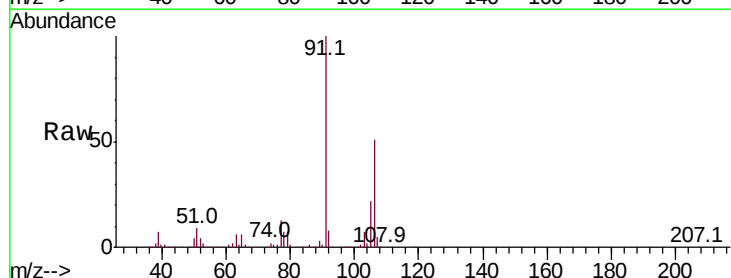
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

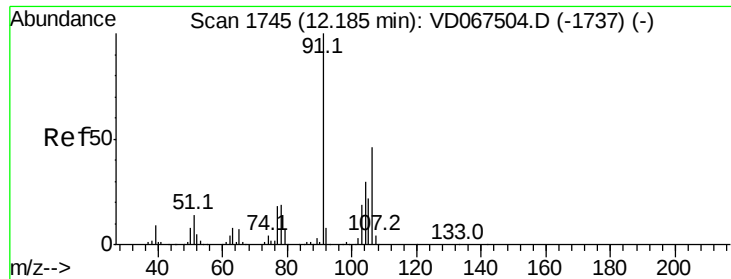
Tot Ion: 91 Resp: 339292
Ion Ratio Lower Upper
91 100
106 29.1 25.7 38.5



#68
m/p-Xylenes
Concen: 44.689 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion:106 Resp: 264614
Ion Ratio Lower Upper
106 100
91 200.0 162.6 244.0

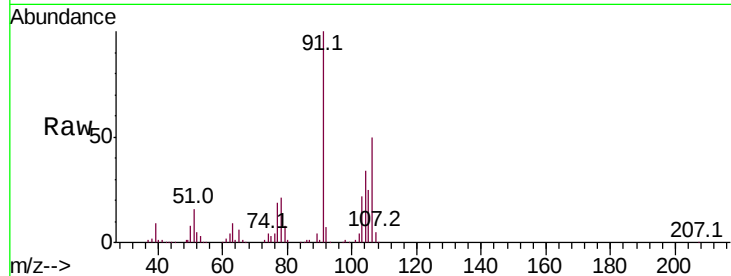




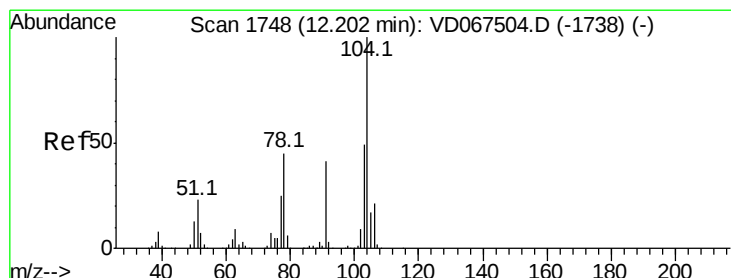
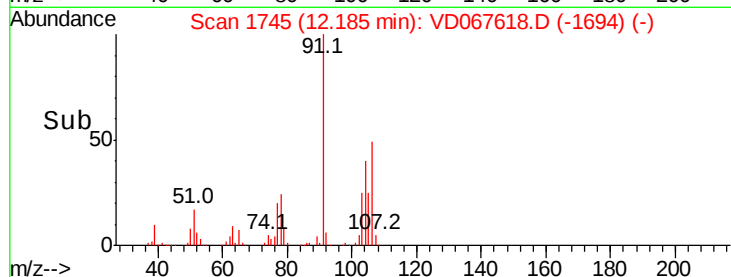
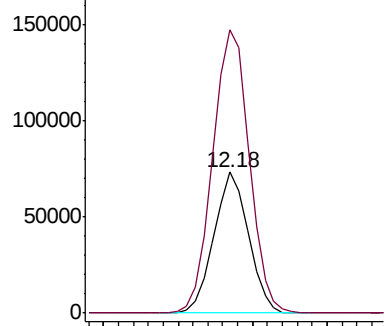
#69
o-Xylene
Concen: 22.256 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion:106 Resp: 117660
Ion Ratio Lower Upper
106 100
91 211.3 107.1 321.1

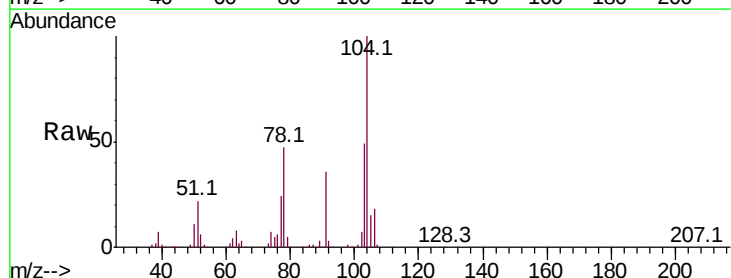


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

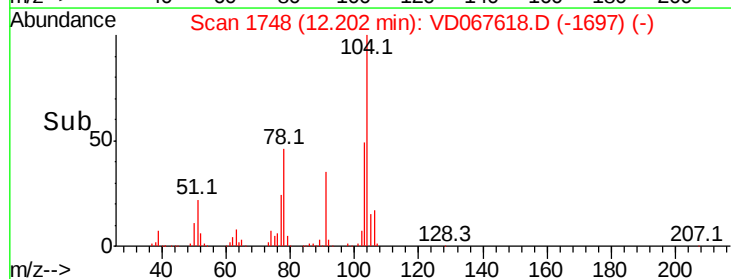
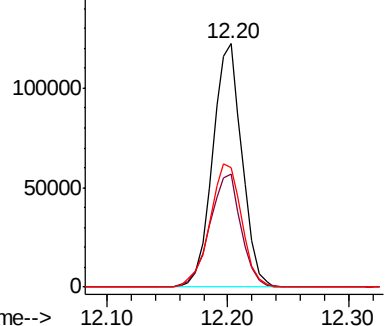


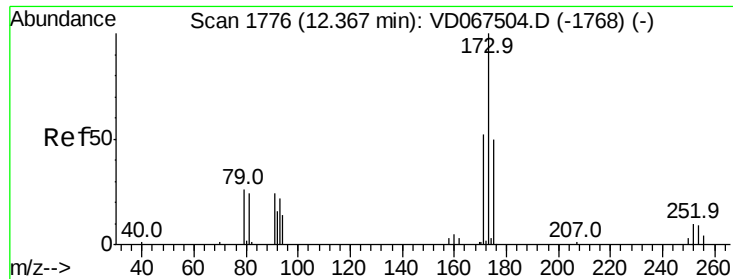
#70
Styrene
Concen: 22.433 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion:104 Resp: 206655
Ion Ratio Lower Upper
104 100
78 49.7 39.8 59.8
103 55.1 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 23.355 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

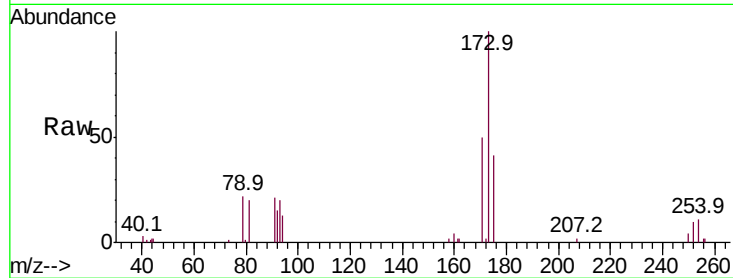
Tot Ion:173 Resp: 41755

Ion Ratio Lower Upper

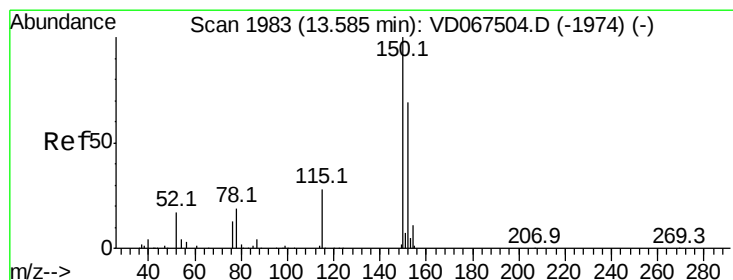
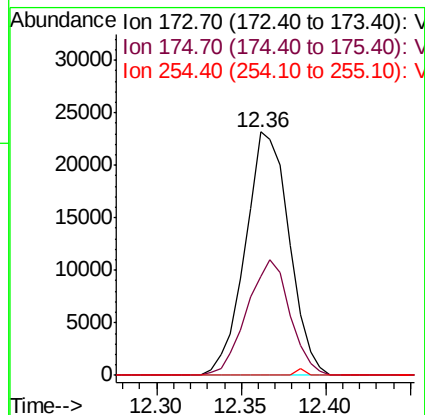
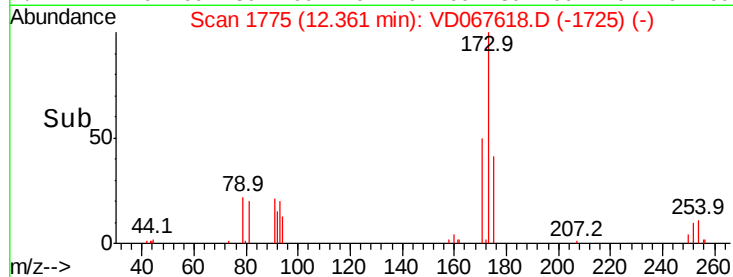
173 100

175 46.6 24.1 72.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

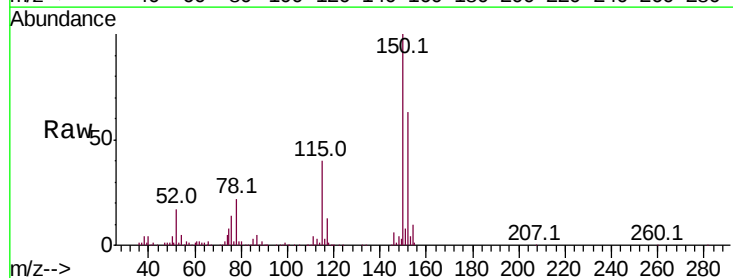
Tgt Ion:152 Resp: 231341

Ion Ratio Lower Upper

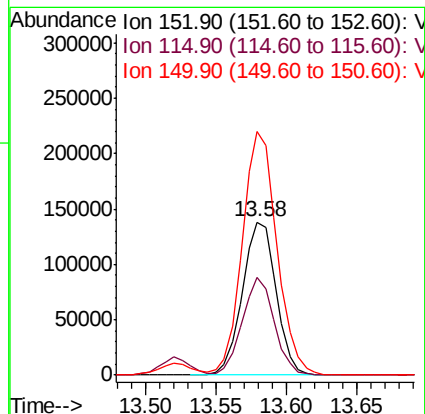
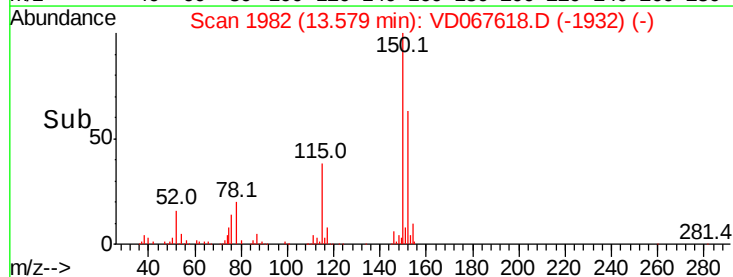
152 100

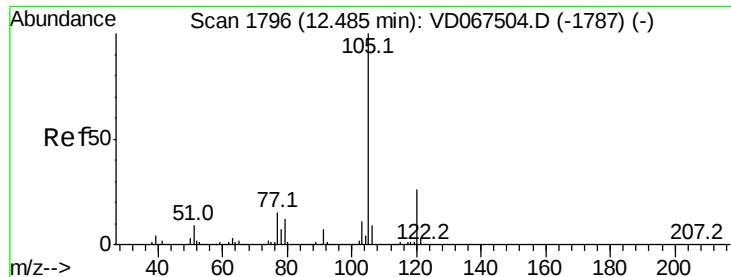
115 60.3 29.3 88.0

150 162.9 0.0 338.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.425 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

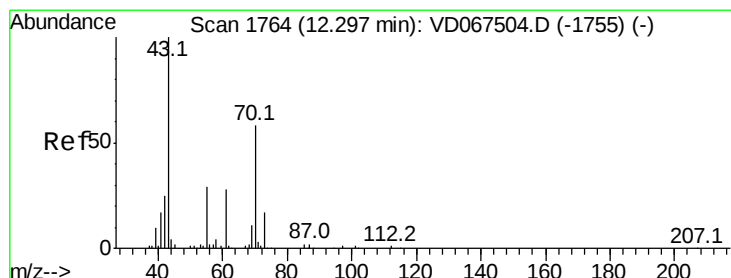
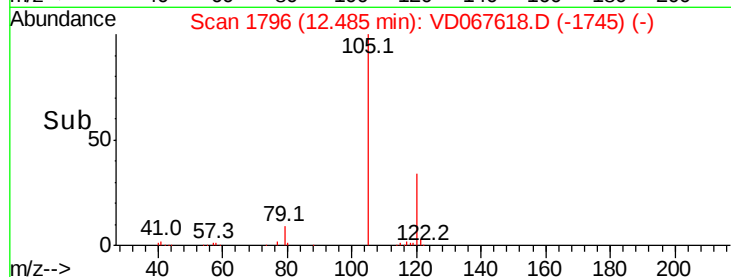
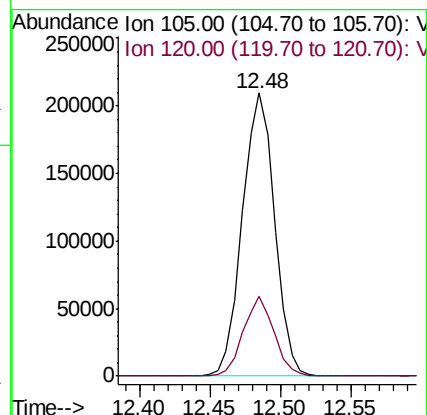
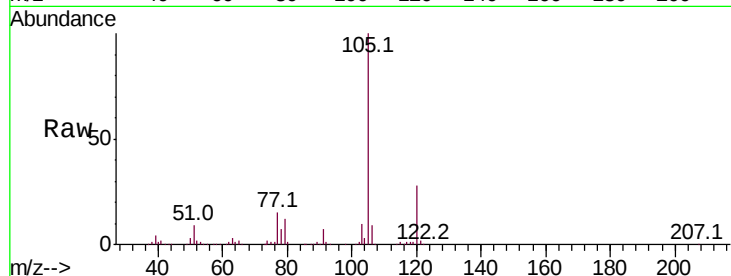
VD1112SBSD01

Tot Ion:105 Resp: 335275

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#74

N-ethyl acetate

Concen: 24.304 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Tgt Ion: 43 Resp: 47814

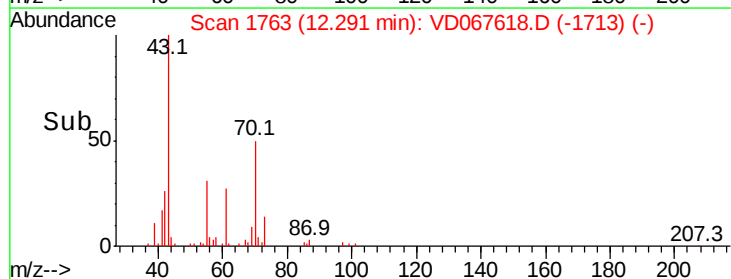
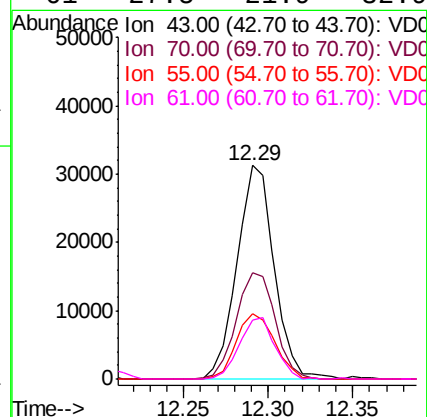
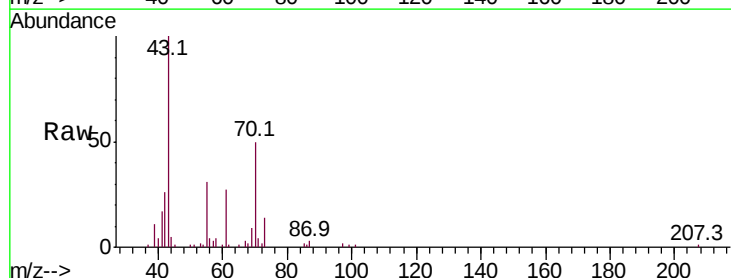
Ion Ratio Lower Upper

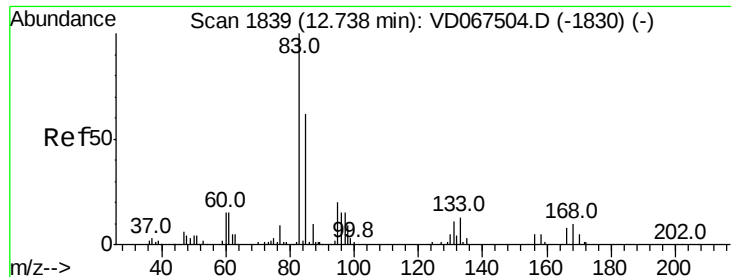
43 100

70 52.2 42.6 64.0

55 31.9 23.7 35.5

61 27.5 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 24.314 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

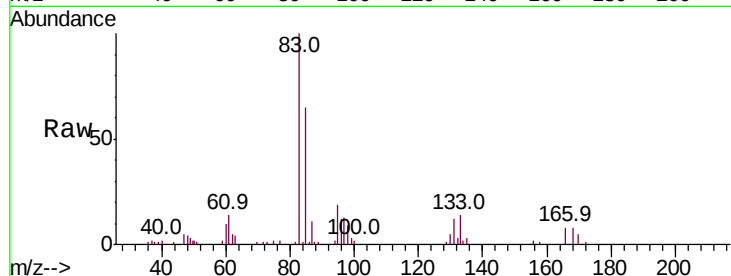
Tot Ion: 83 Resp: 49571

Ion Ratio Lower Upper

83 100

131 14.1 7.1 21.3

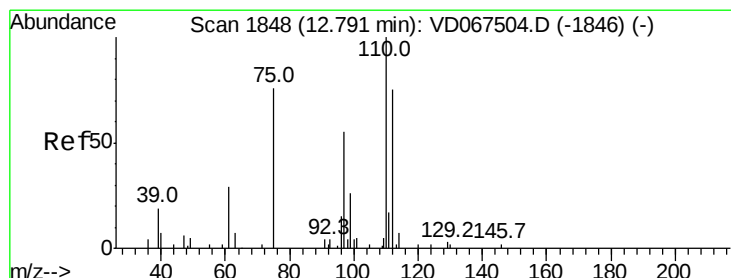
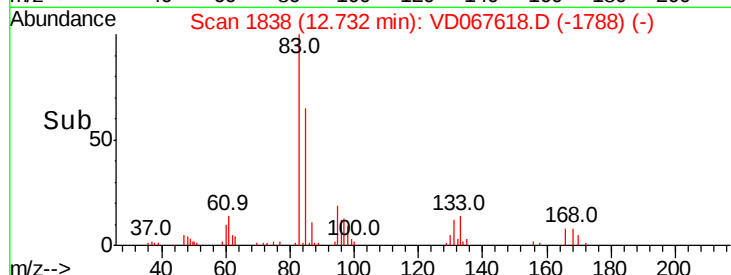
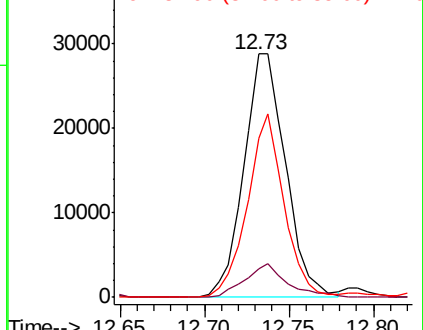
85 66.1 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 46.880 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067618.D

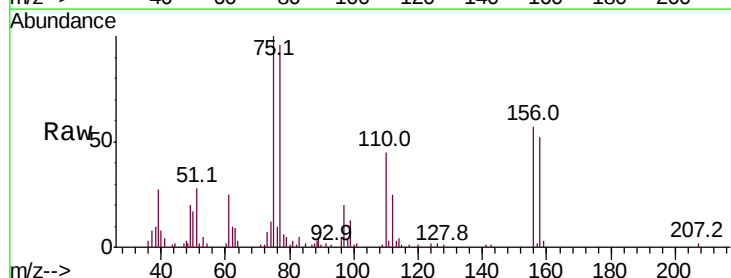
Acq: 12 Nov 2020 12:57

Tgt Ion: 75 Resp: 65425

Ion Ratio Lower Upper

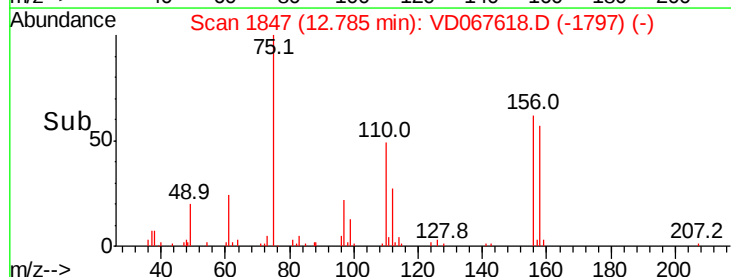
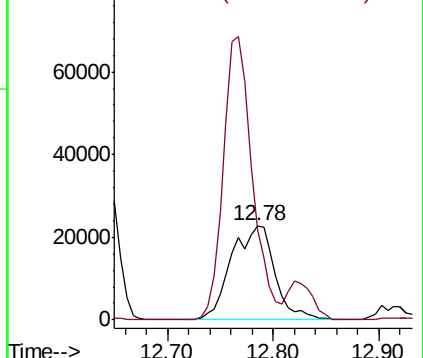
75 100

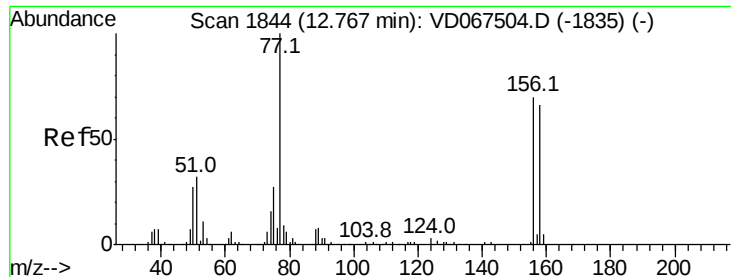
77 200.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.484 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

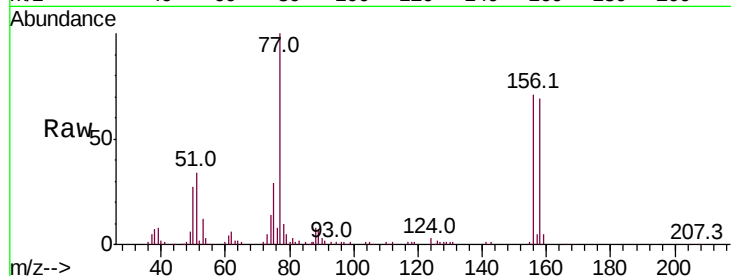
Tot Ion:156 Resp: 82558

Ion Ratio Lower Upper

156 100

77 158.9 77.8 233.5

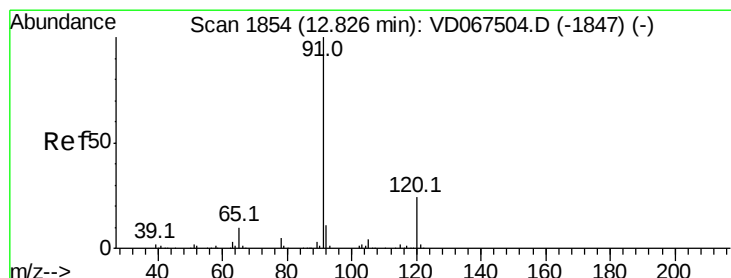
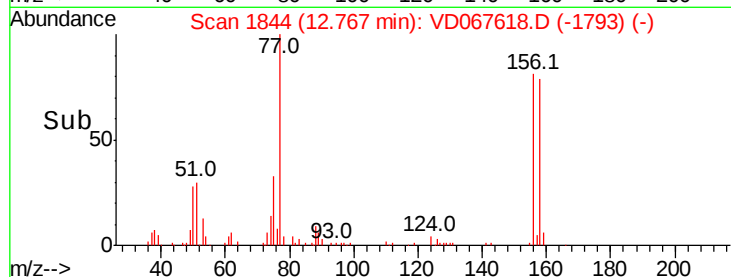
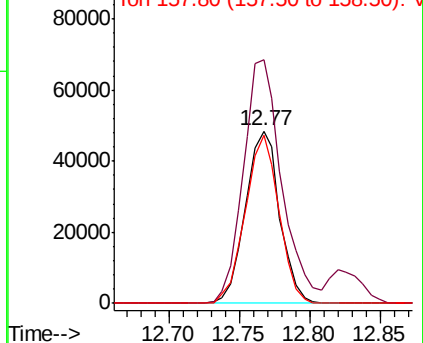
158 95.7 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.087 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067618.D

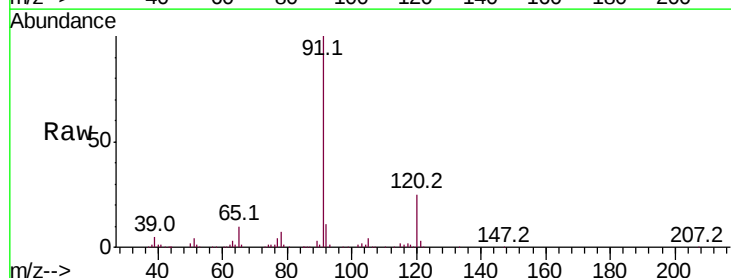
Acq: 12 Nov 2020 12:57

Tgt Ion: 91 Resp: 377728

Ion Ratio Lower Upper

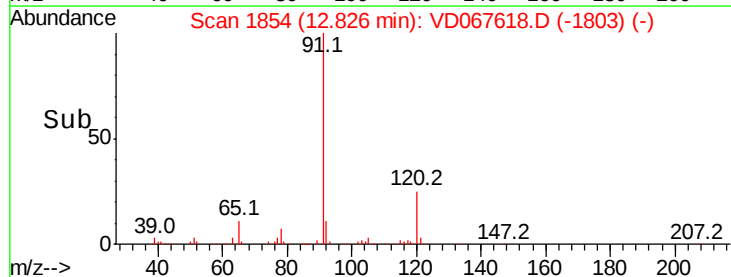
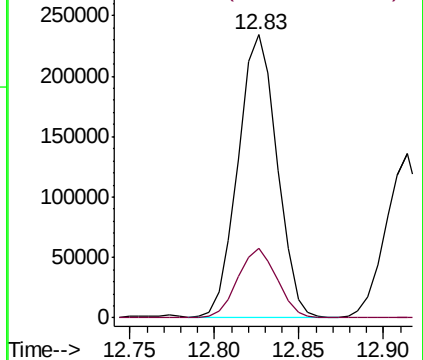
91 100

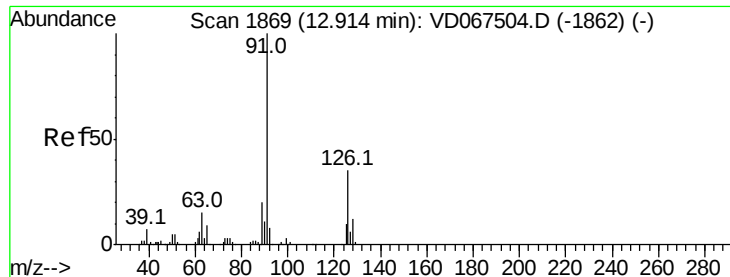
120 24.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.475 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

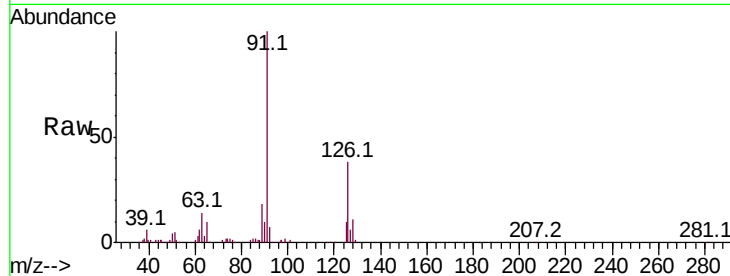
VD1112SBS01

Tot Ion: 91 Resp: 218329

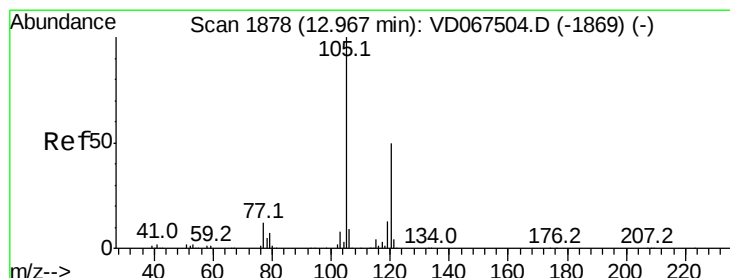
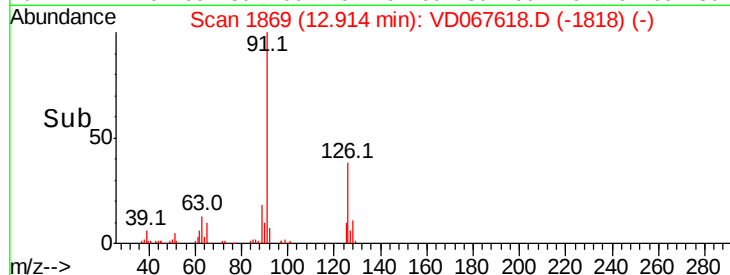
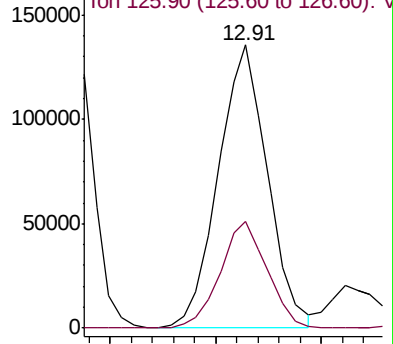
Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.647 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067618.D

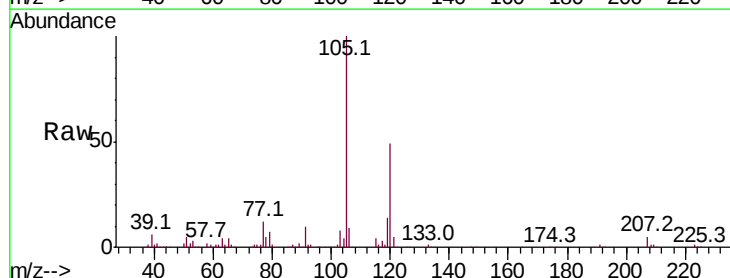
Acq: 12 Nov 2020 12:57

Tgt Ion:105 Resp: 289243

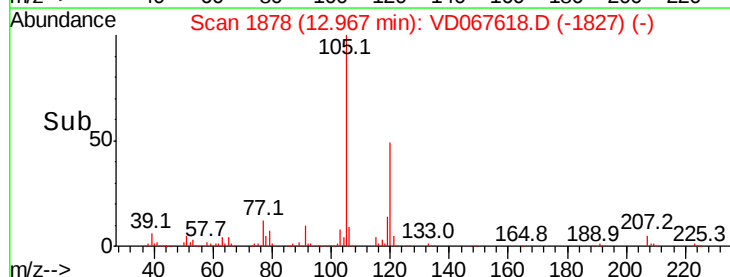
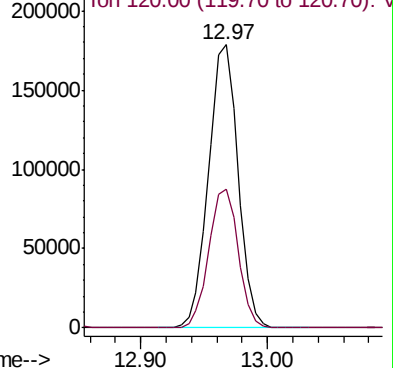
Ion Ratio Lower Upper

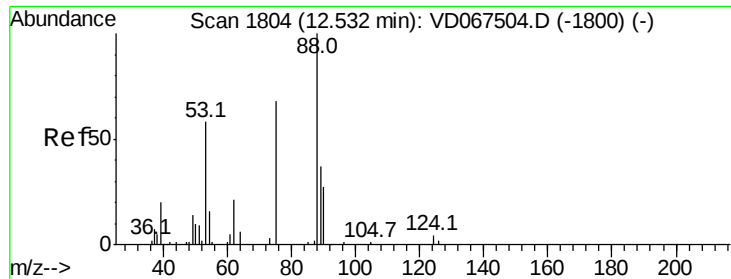
105 100

120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 23.794 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

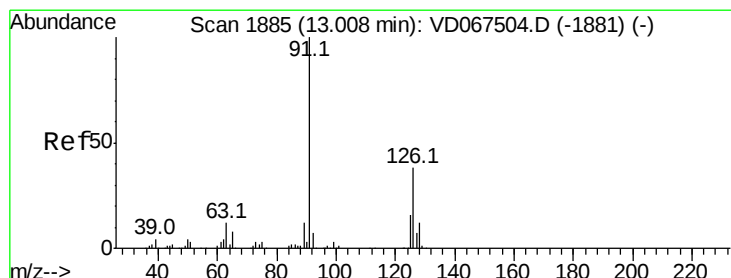
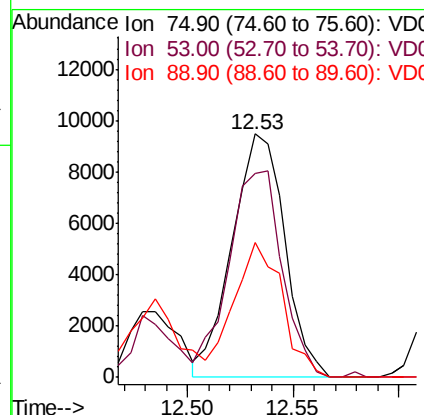
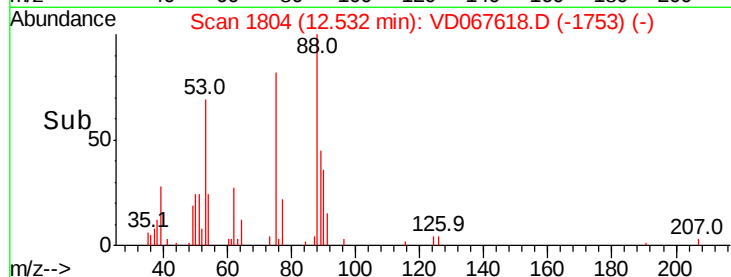
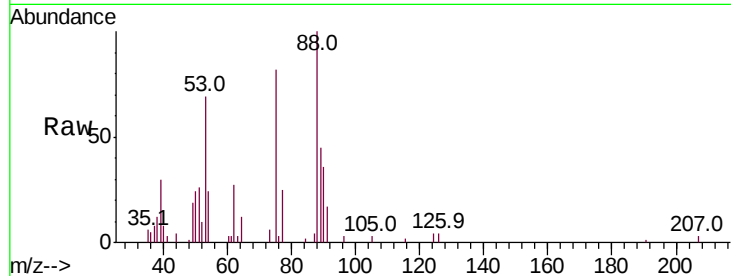
Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 75 Resp: 16356

Ion	Ratio	Lower	Upper
75	100		
53	86.0	75.9	113.9
89	51.1	44.6	67.0



#82

4-Chlorotoluene

Concen: 22.953 ug/l

RT: 13.01 min Scan# 1885

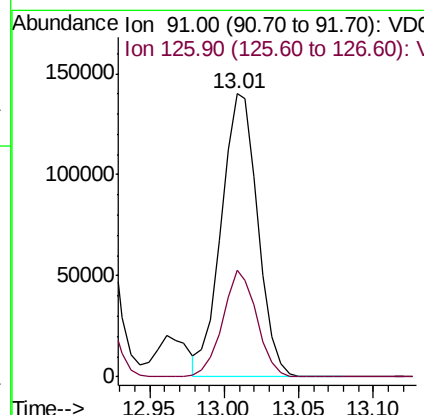
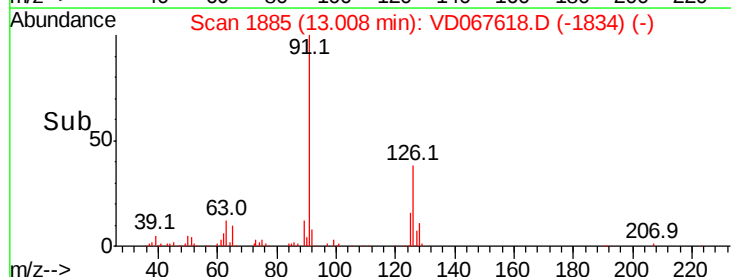
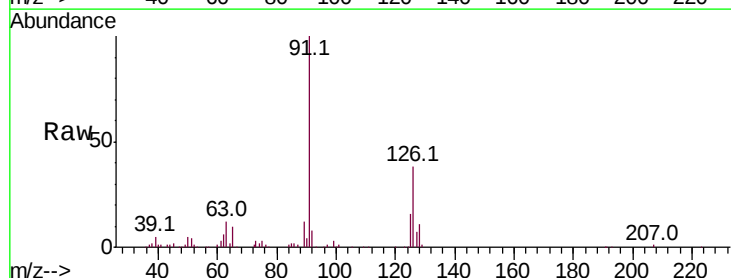
Delta R.T. 0.00 min

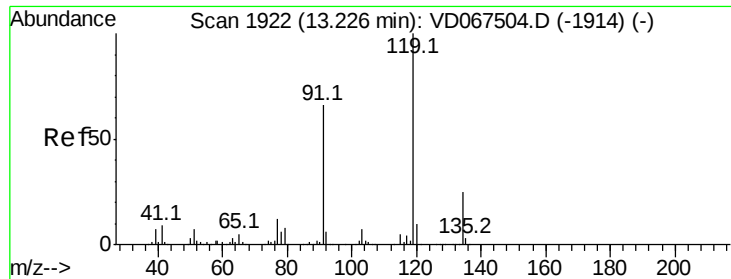
Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Tgt Ion: 91 Resp: 239144

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.7

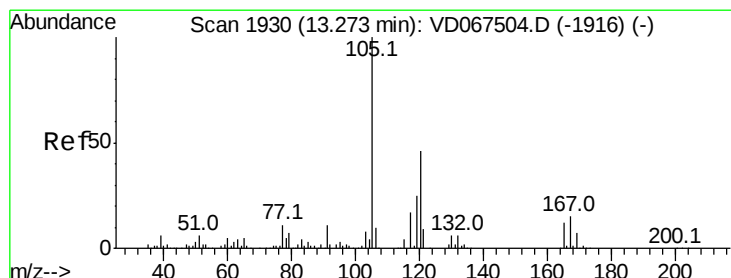
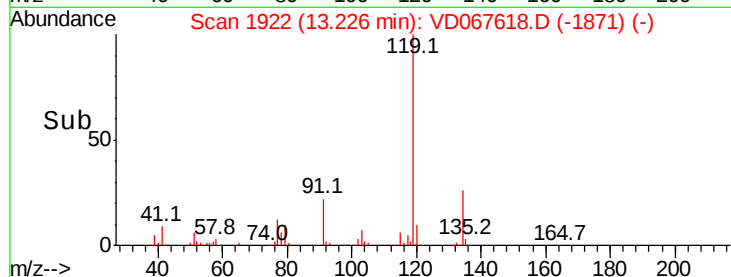
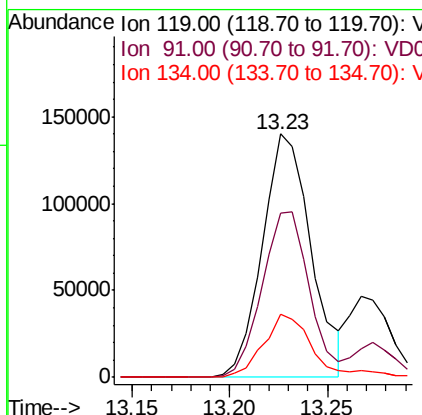
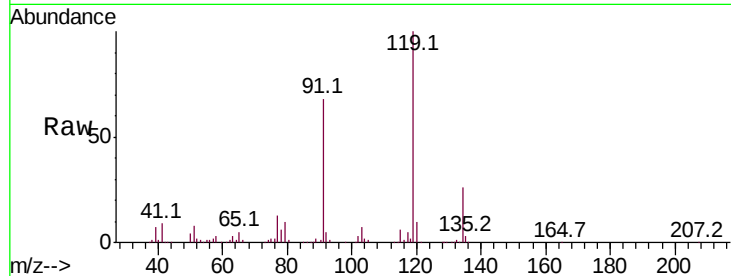




#83
tert-Butylbenzene
Concen: 22.428 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

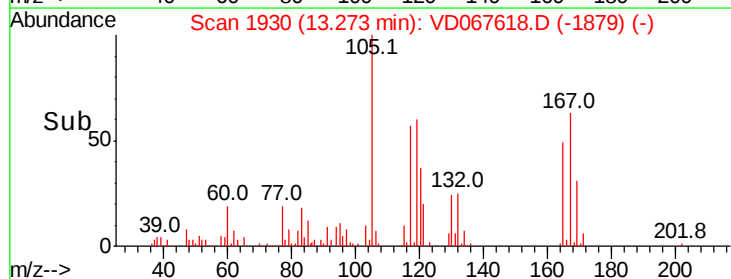
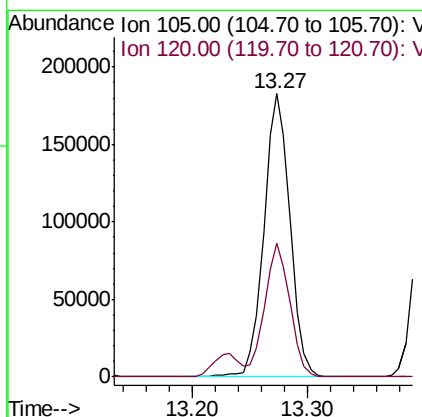
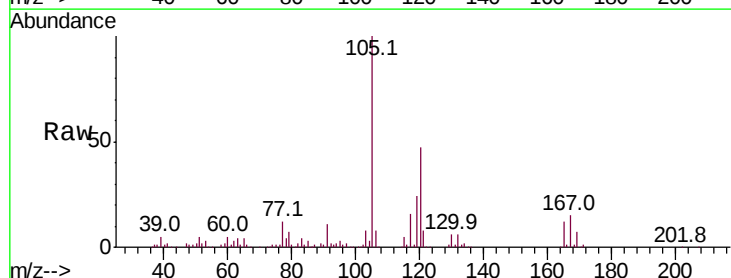
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

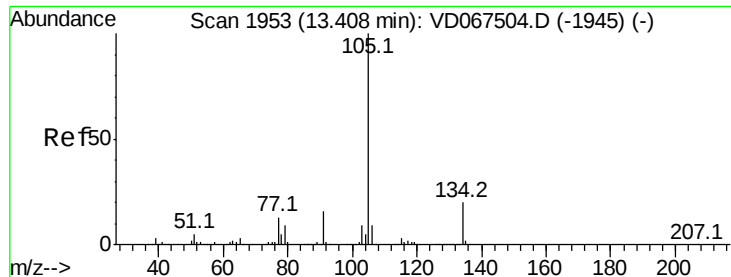
Tot Ion:119 Resp: 242765
Ion Ratio Lower Upper
119 100
91 65.8 32.7 98.1
134 26.1 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 22.613 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion:105 Resp: 287486
Ion Ratio Lower Upper
105 100
120 46.0 22.1 66.1





#85

sec-Butylbenzene

Concen: 22.396 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

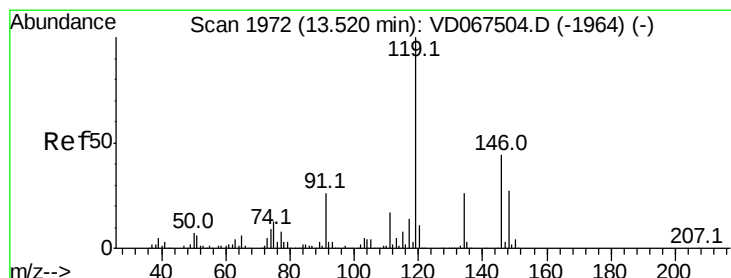
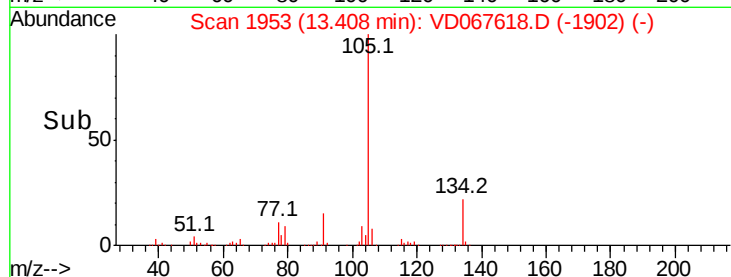
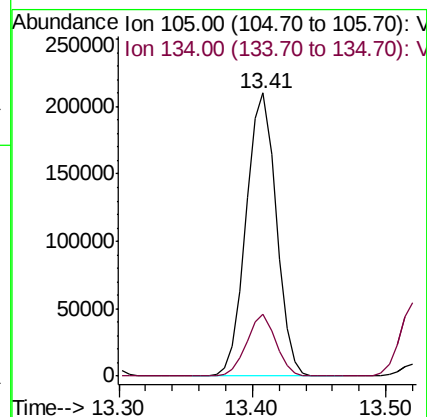
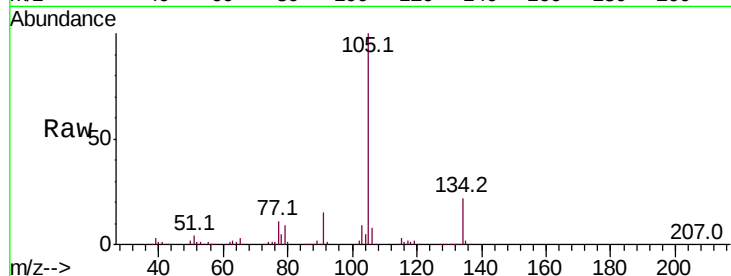
VD1112SBSD01

Tot Ion:105 Resp: 327257

Ion Ratio Lower Upper

105 100

134 21.4 10.4 31.4



#86

p-Isopropyltoluene

Concen: 22.183 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

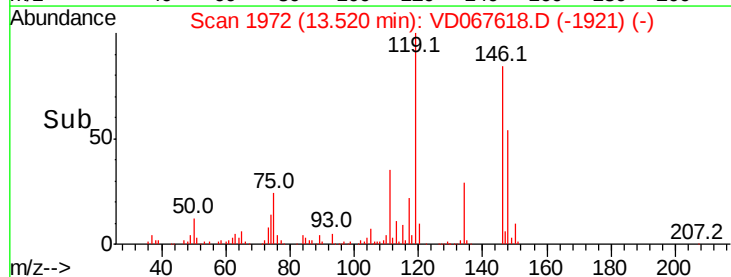
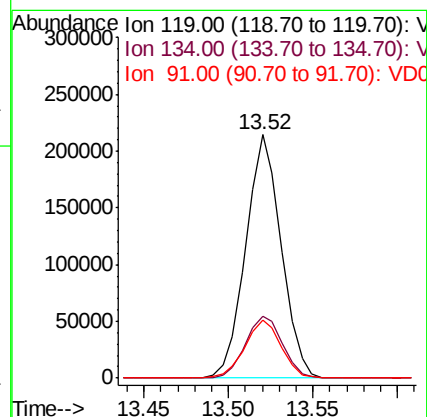
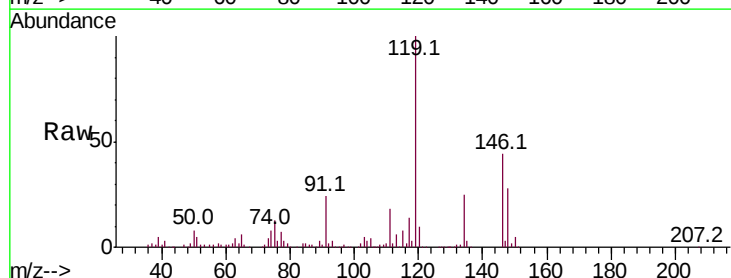
Tgt Ion:119 Resp: 313020

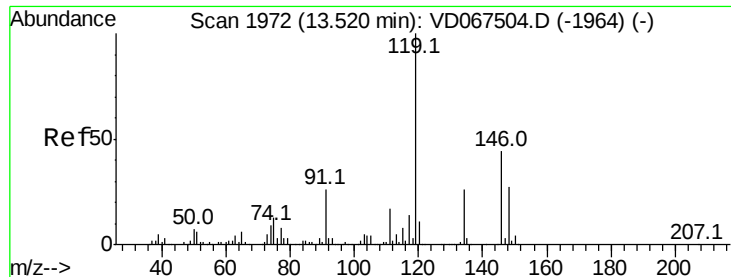
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 24.4 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 22.305 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

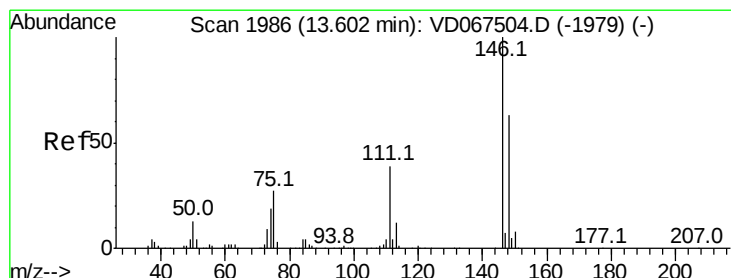
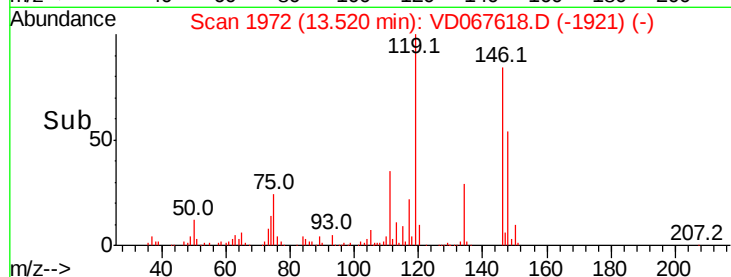
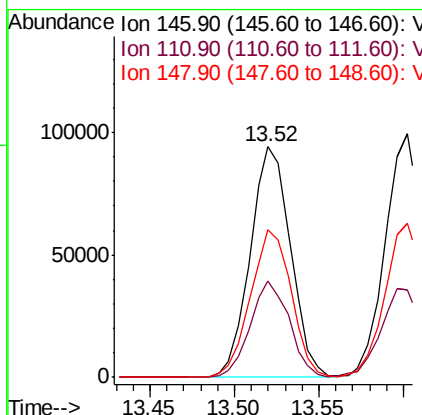
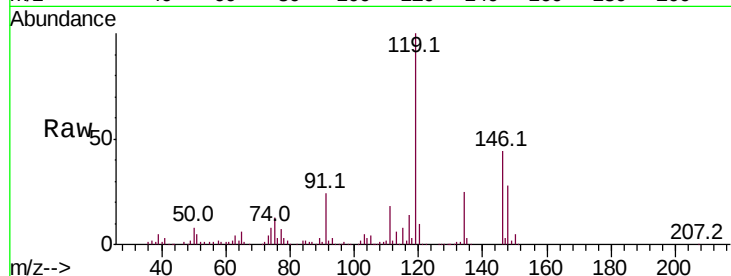
Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion:146 Resp: 156280

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	65.0	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 22.189 ug/l

RT: 13.60 min Scan# 1986

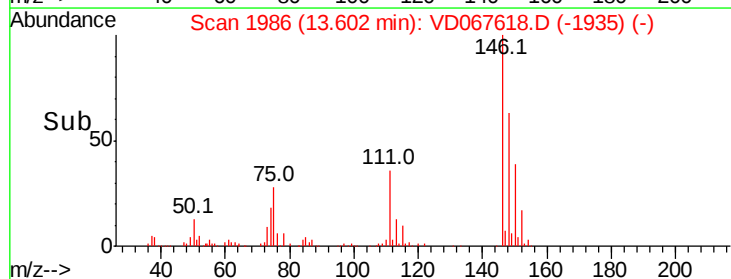
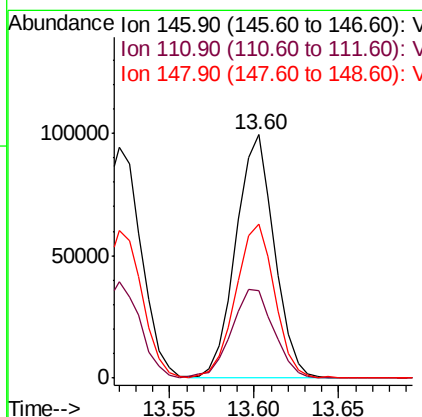
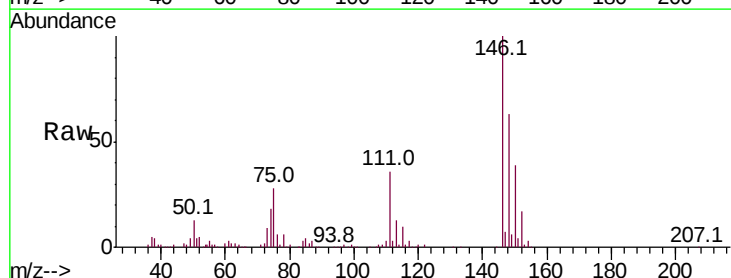
Delta R.T. 0.00 min

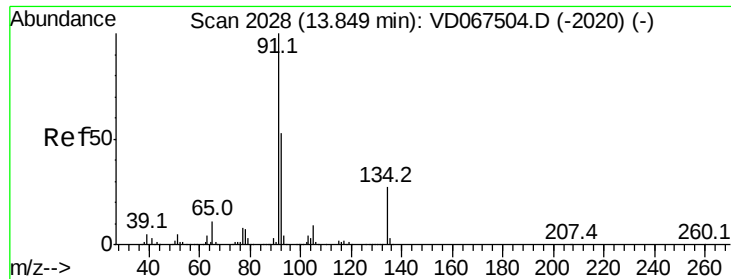
Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Tgt Ion:146 Resp: 157415

Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.6	58.7
148	64.4	31.8	95.4

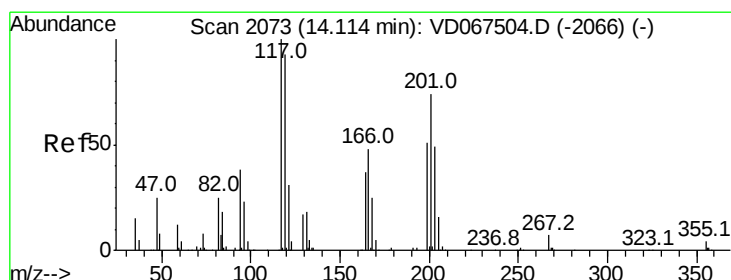
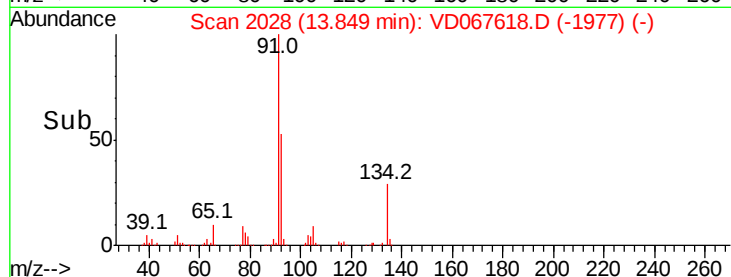
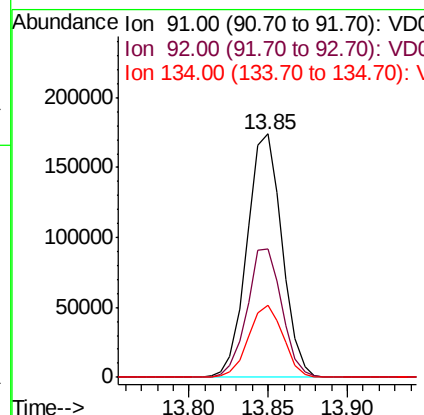
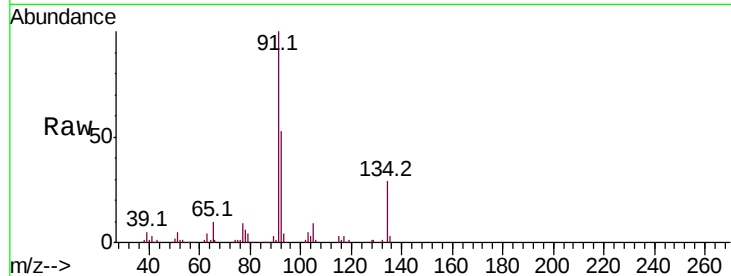




#89
n-Butylbenzene
Concen: 21.946 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

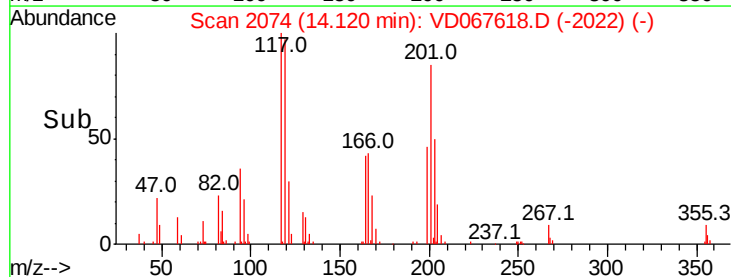
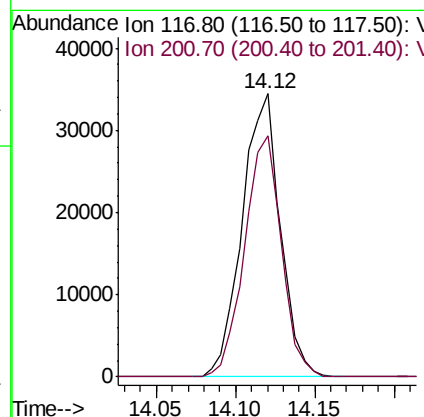
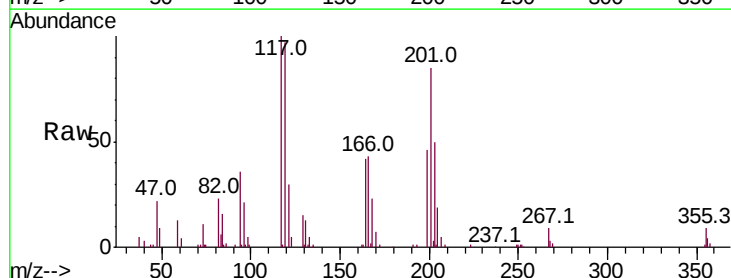
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

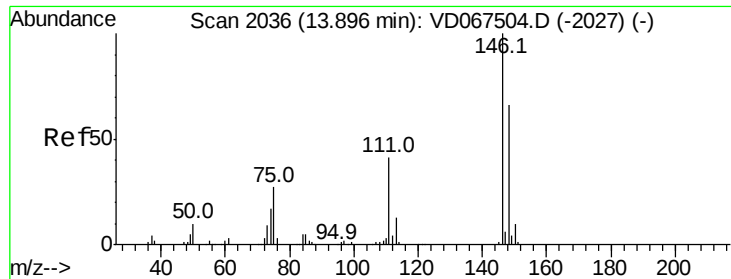
Tot Ion: 91 Resp: 267483
Ion Ratio Lower Upper
91 100
92 52.4 26.6 79.8
134 29.3 14.1 42.2



#90
Hexachloroethane
Concen: 21.652 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067618.D
Acq: 12 Nov 2020 12:57

Tgt Ion: 117 Resp: 57535
Ion Ratio Lower Upper
117 100
201 82.2 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 22.409 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

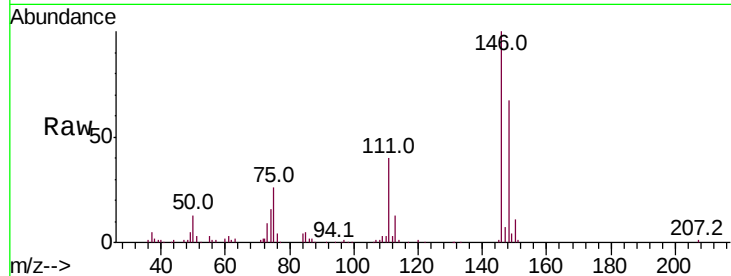
Tot Ion:146 Resp: 135885

Ion Ratio Lower Upper

146 100

111 41.3 20.7 62.1

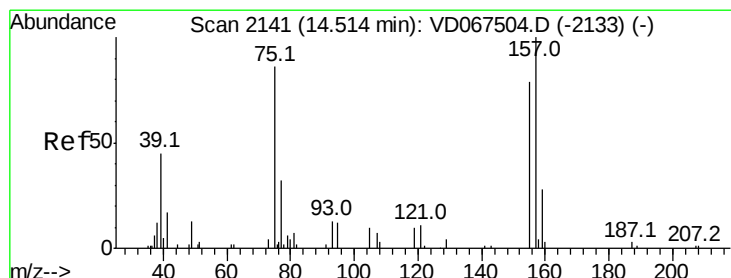
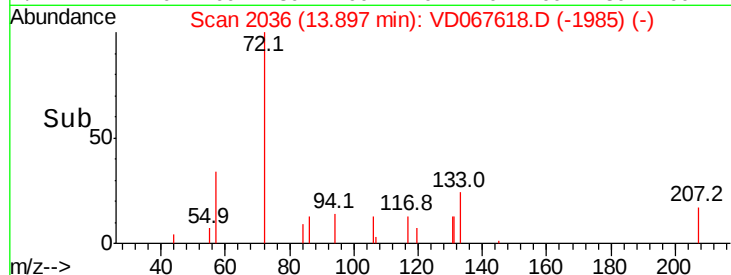
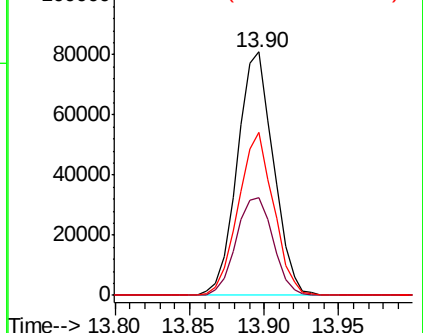
148 65.1 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.802 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

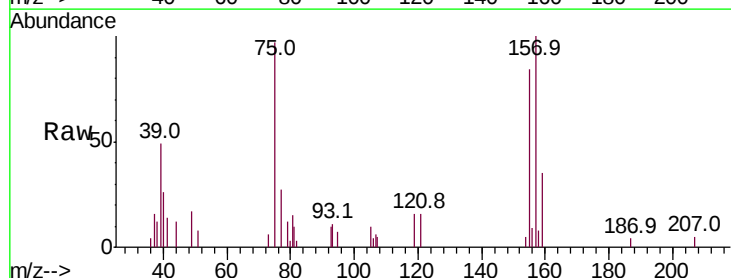
Tgt Ion: 75 Resp: 8231

Ion Ratio Lower Upper

75 100

155 97.0 46.6 139.8

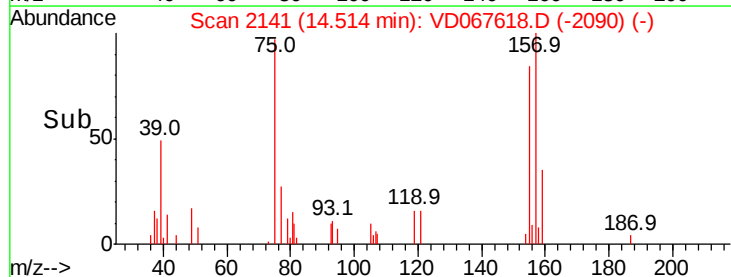
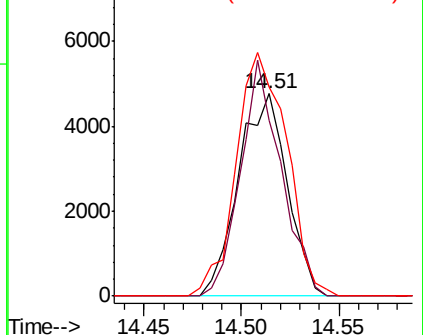
157 125.3 58.1 174.2

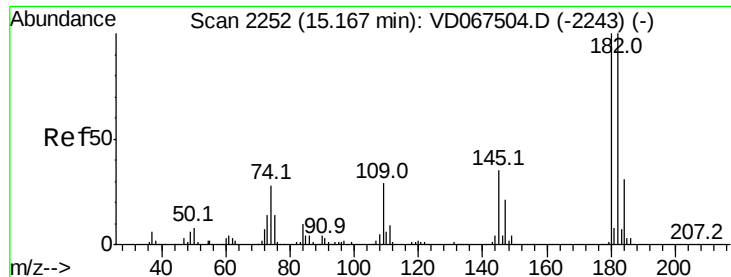


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

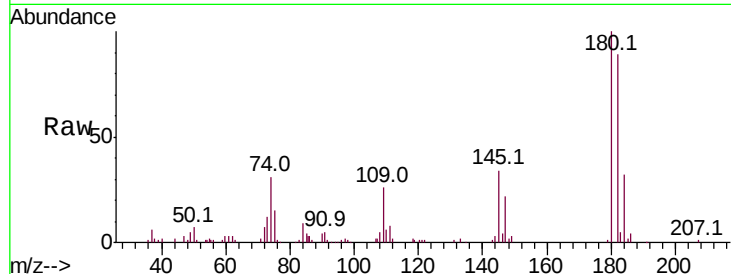




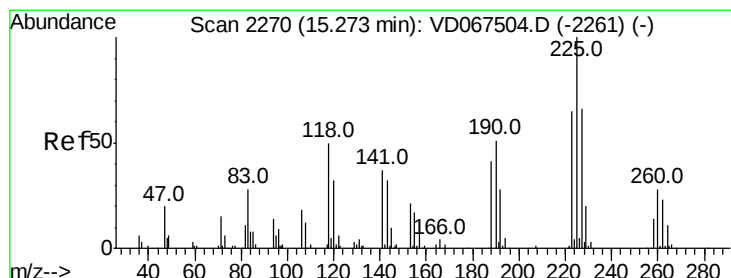
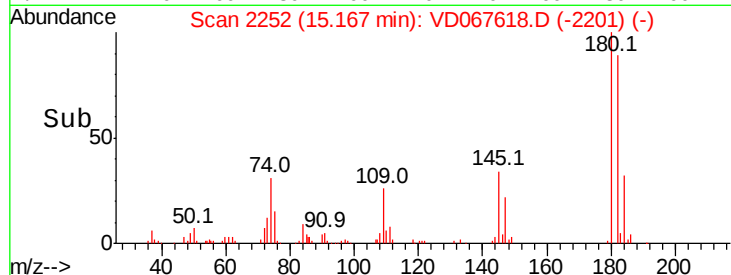
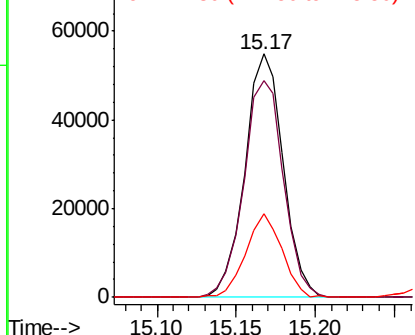
#93
 1,2,4-Trichlorobenzene
 Concen: 22.363 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.4	142.3
145	32.6	16.2	48.6

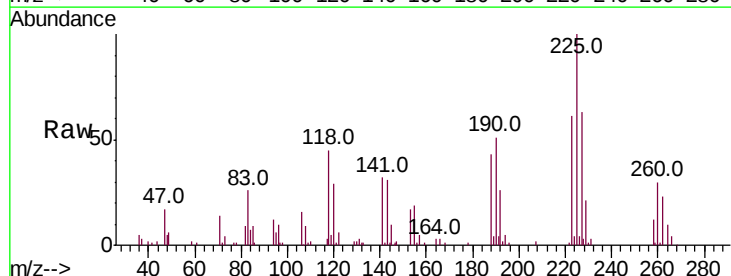


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

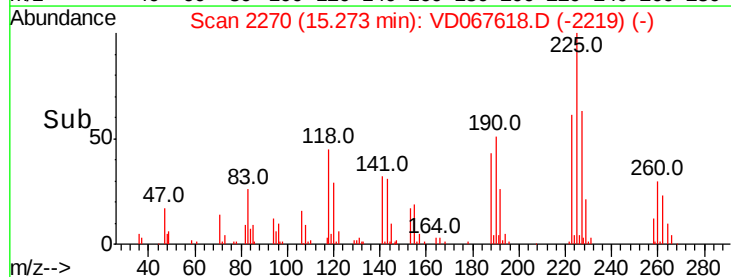
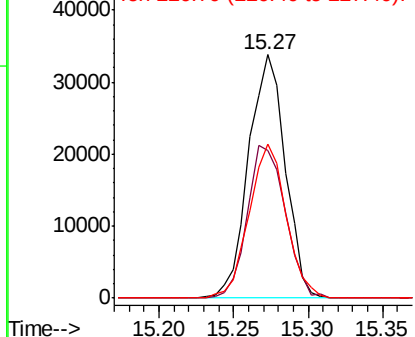


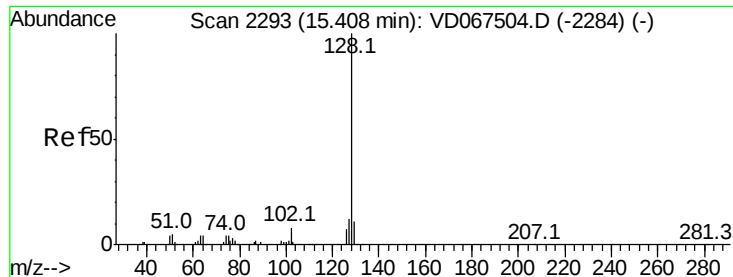
#94
 Hexachlorobutadiene
 Concen: 20.812 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067618.D
 Acq: 12 Nov 2020 12:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.9	95.5
227	64.2	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 23.036 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

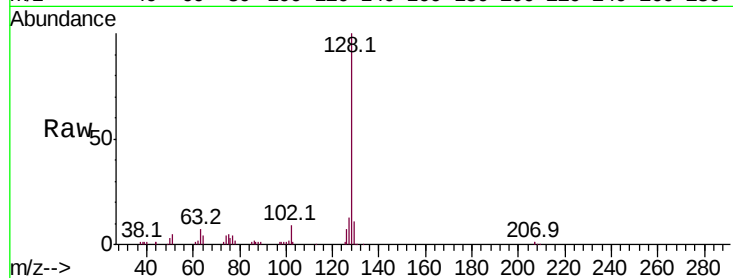
Tot Ion:128 Resp: 146307

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

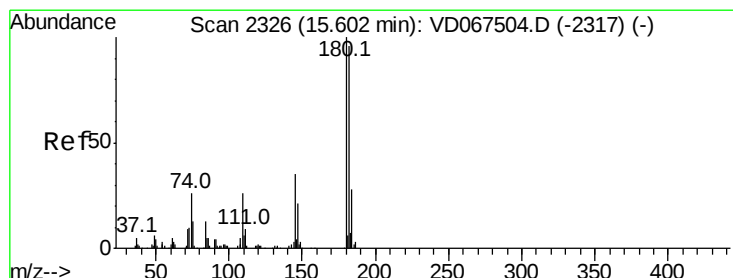
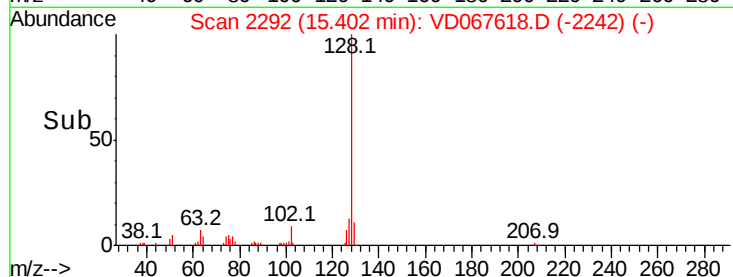
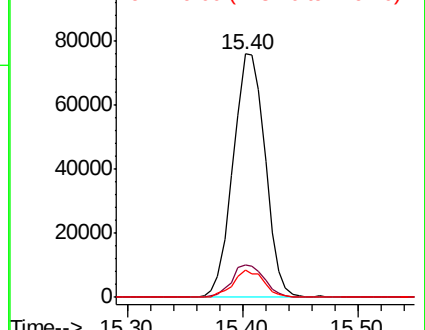
129 10.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.544 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067618.D

Acq: 12 Nov 2020 12:57

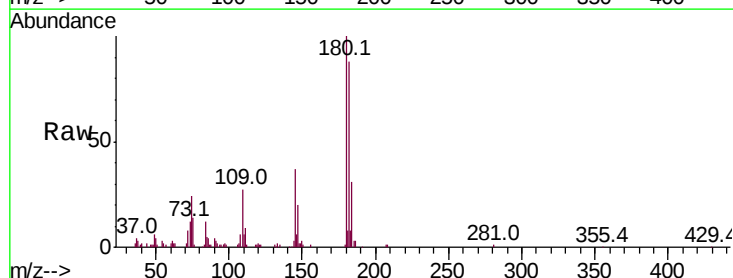
Tgt Ion:180 Resp: 79451

Ion Ratio Lower Upper

180 100

182 91.7 46.9 140.8

145 33.9 17.1 51.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

