

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067617.D
 Acq On : 12 Nov 2020 12:30
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Quant Time: Nov 13 00:29:20 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	7.98	168	345870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	464119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	138880	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
35) Dibromofluoromethane	7.92	113	147622	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.34	98	500834	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	12.64	95	185687	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63635	20.000	ug/l	95
3) Chloromethane	2.21	50	43925	20.394	ug/l	95
4) Vinyl Chloride	2.35	62	47314	19.704	ug/l	97
5) Bromomethane	2.76	94	37352	19.191	ug/l	91
6) Chloroethane	2.92	64	31034	20.963	ug/l	96
7) Trichlorofluoromethane	3.27	101	127273	20.470	ug/l	100
8) Diethyl Ether	3.71	74	27654	22.073	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	67588	21.536	ug/l	99
10) Methyl Iodide	4.30	142	65021	19.330	ug/l	97
11) Tert butyl alcohol	5.18	59	29418	223.591	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	61732	21.384	ug/l	92
13) Acrolein	3.93	56	5754	66.357	ug/l	97
14) Allyl chloride	4.71	41	66256	21.445	ug/l	96
15) Acrylonitrile	5.42	53	50991	110.105	ug/l	99
16) Acetone	4.15	43	43635	96.418	ug/l #	87
17) Carbon Disulfide	4.41	76	175770	19.870	ug/l	99
18) Methyl Acetate	4.71	43	23228	24.837	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	122101	21.443	ug/l	93
20) Methylene Chloride	4.96	84	69405	21.710	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	69873	20.781	ug/l	98
22) Diisopropyl ether	6.36	45	136969	22.749	ug/l	98
23) Vinyl Acetate	6.30	43	343116	108.871	ug/l	99
24) 1,1-Dichloroethane	6.27	63	106932	21.710	ug/l	99
25) 2-Butanone	7.21	43	56275	116.373	ug/l	98
26) 2,2-Dichloropropane	7.21	77	111193	21.390	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	76044	21.789	ug/l	98
28) Bromochloromethane	7.54	49	35209	20.096	ug/l	98
29) Tetrahydrofuran	7.56	42	35121	121.248	ug/l	97
30) Chloroform	7.71	83	125679	21.388	ug/l	95
31) Cyclohexane	7.98	56	90027	20.525	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	123996	20.451	ug/l	99
36) 1,1-Dichloropropene	8.11	75	93281	21.379	ug/l	98
37) Ethyl Acetate	7.29	43	23168	20.453	ug/l #	93
38) Carbon Tetrachloride	8.10	117	123094	21.714	ug/l	93

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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 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	106099	20.661	ug/l	98
40) Benzene	8.36	78	259325	21.942	ug/l	98
41) Methacrylonitrile	7.53	41	15062	22.245	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	75540	20.687	ug/l	97
43) Isopropyl Acetate	8.46	43	50339	22.470	ug/l	97
44) Trichloroethene	9.11	130	82065	21.118	ug/l	86
45) 1,2-Dichloropropane	9.39	63	57004	22.308	ug/l	94
46) Dibromomethane	9.48	93	35401	21.789	ug/l	100
47) Bromodichloromethane	9.67	83	96320	21.812	ug/l	97
48) Methyl methacrylate	9.46	41	23322	20.163	ug/l	91
49) 1,4-Dioxane	9.47	88	7205	436.834	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	122248	114.101	ug/l	98
52) Toluene	10.41	92	174903	22.094	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	82514	21.817	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	99507	22.144	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	48523	22.572	ug/l	95
56) Ethyl methacrylate	10.66	69	49535	22.314	ug/l	96
57) 1,3-Dichloropropane	10.95	76	77884	22.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	116035	112.087	ug/l	100
59) 2-Hexanone	10.99	43	81145	108.320	ug/l	98
60) Dibromochloromethane	11.14	129	70650	22.217	ug/l	100
61) 1,2-Dibromoethane	11.25	107	48038	22.265	ug/l	97
64) Tetrachloroethene	10.88	164	72036	20.958	ug/l	96
65) Chlorobenzene	11.67	112	191662	21.438	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	78194	22.191	ug/l	98
67) Ethyl Benzene	11.75	91	334043	21.835	ug/l	99
68) m/p-Xylenes	11.86	106	262426	44.092	ug/l	98
69) o-Xylene	12.18	106	115756	21.784	ug/l	99
70) Styrene	12.20	104	203667	21.995	ug/l	99
71) Bromoform	12.36	173	39498	21.979	ug/l #	97
73) Isopropylbenzene	12.48	105	328111	21.754	ug/l	100
74) N-amyl acetate	12.29	43	42704	21.517	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	47386	23.040	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	63191	44.885	ug/l #	100
77) Bromobenzene	12.77	156	82305	22.220	ug/l	99
78) n-propylbenzene	12.83	91	376015	21.795	ug/l	99
79) 2-Chlorotoluene	12.91	91	217434	22.187	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	285376	22.149	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14315	20.644	ug/l	96
82) 4-Chlorotoluene	13.01	91	234844	22.344	ug/l	97
83) tert-Butylbenzene	13.23	119	241424	22.109	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	287417	22.410	ug/l	99
85) sec-Butylbenzene	13.41	105	326423	22.144	ug/l	98
86) p-Isopropyltoluene	13.52	119	305884	21.488	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	157134	22.232	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	153971	21.514	ug/l	98
89) n-Butylbenzene	13.85	91	260828	21.213	ug/l	99
90) Hexachloroethane	14.11	117	57948	21.617	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	132842	21.717	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7882	21.645	ug/l	90

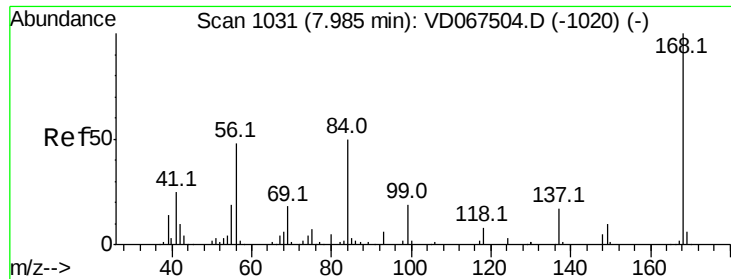
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111220\
Data File : VD067617.D
Acq On : 12 Nov 2020 12:30
Operator : VA/SY
Sample : VD1112SBS01
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
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	90188	21.723	ug/l	98
94) Hexachlorobutadiene	15.27	225	58200	20.945	ug/l	95
95) Naphthalene	15.40	128	136429	21.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	75592	21.262	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

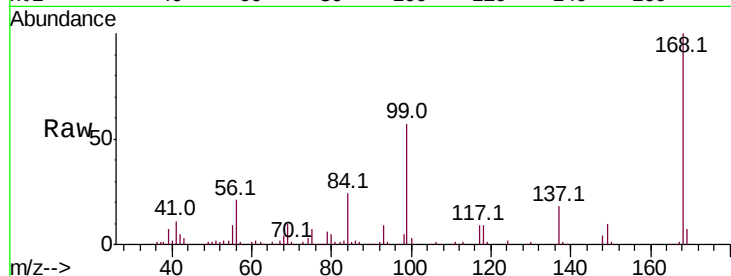
VD1112SBS01

Tot Ion:168 Resp: 345870

Ion Ratio Lower Upper

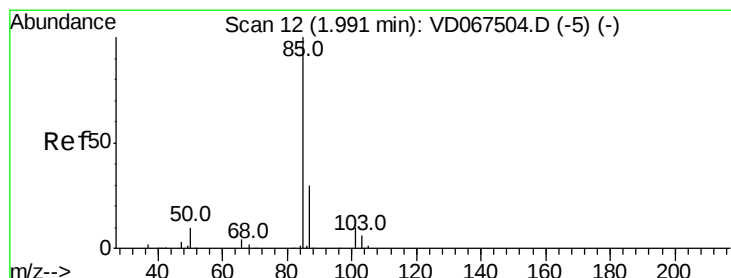
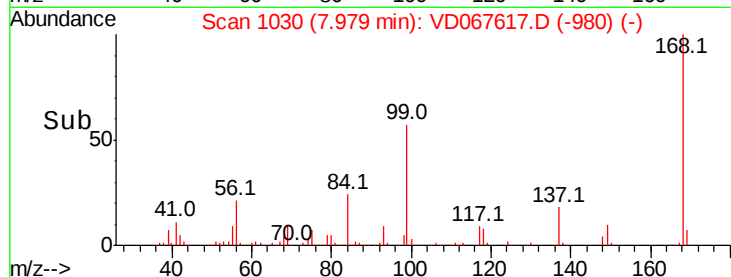
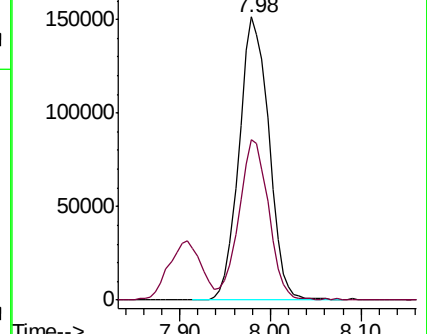
168 100

99 56.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.000 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067617.D

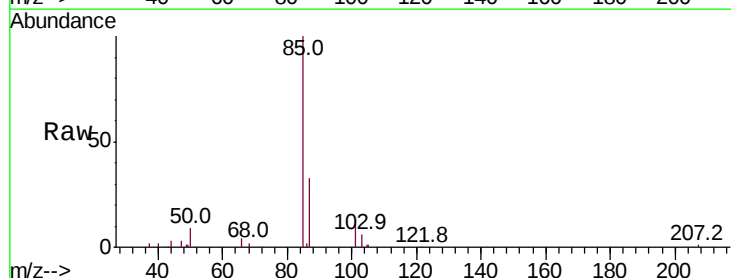
Acq: 12 Nov 2020 12:30

Tgt Ion: 85 Resp: 63635

Ion Ratio Lower Upper

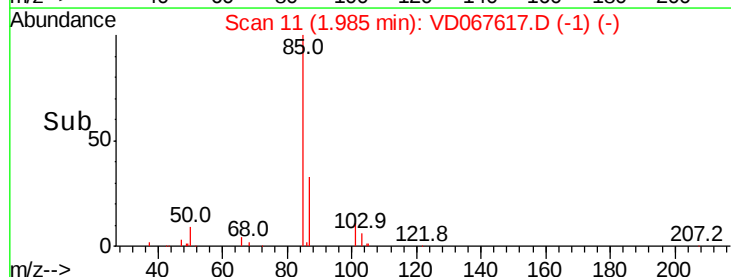
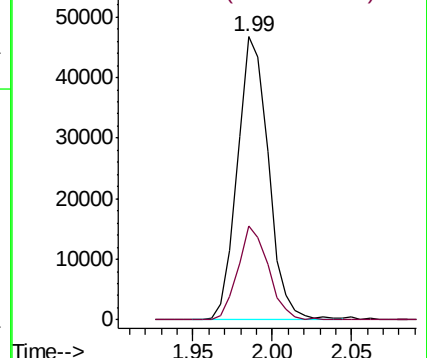
85 100

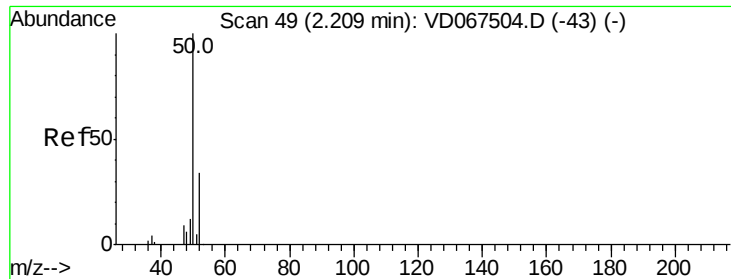
87 33.0 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.394 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

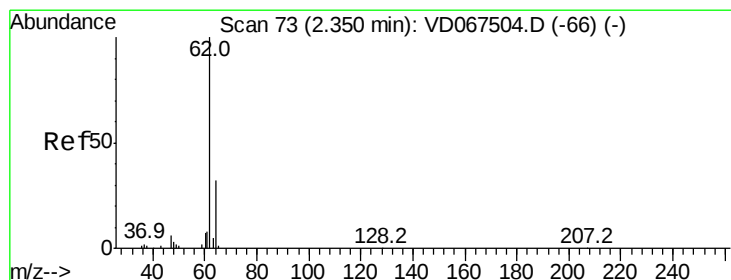
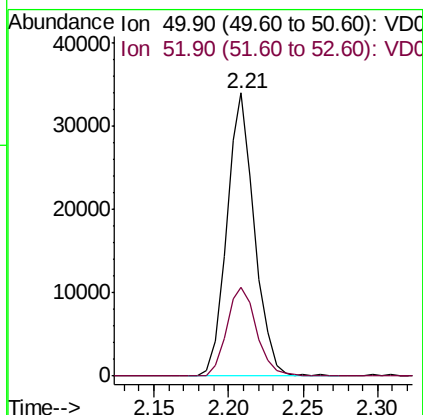
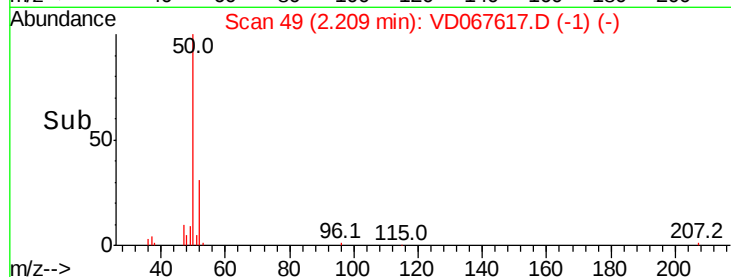
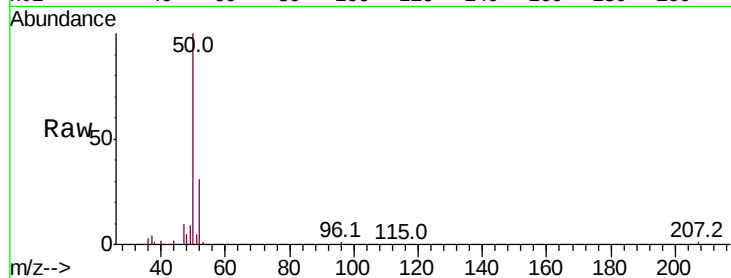
VD1112SBS01

Tot Ion: 50 Resp: 43925

Ion Ratio Lower Upper

50 100

52 31.5 27.3 40.9



#4

Vinyl Chloride

Concen: 19.704 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067617.D

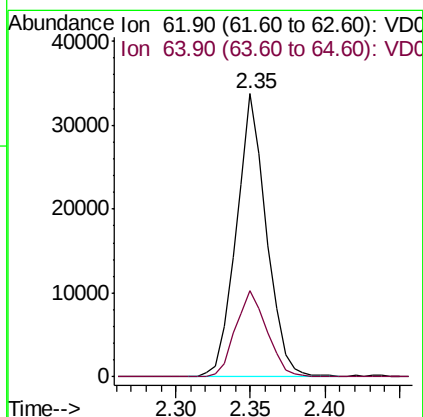
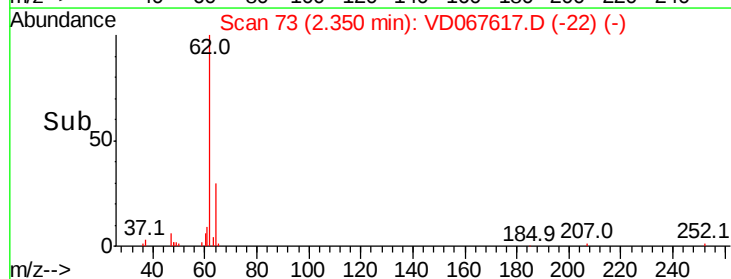
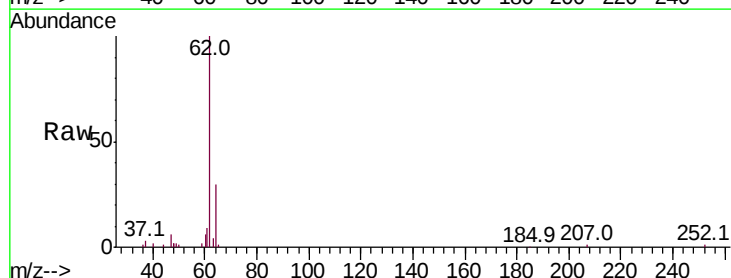
Acq: 12 Nov 2020 12:30

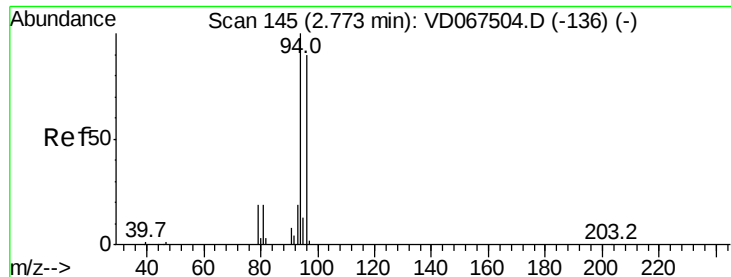
Tgt Ion: 62 Resp: 47314

Ion Ratio Lower Upper

62 100

64 30.3 25.6 38.4





#5

Bromomethane

Concen: 19.191 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

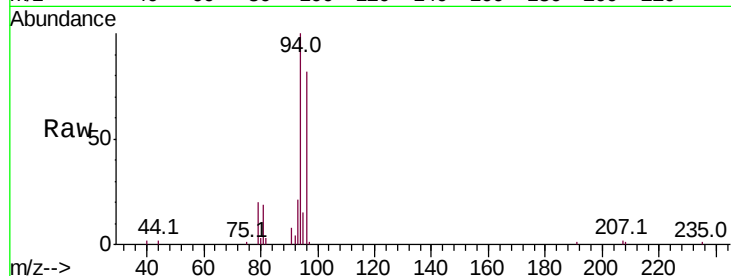
VD1112SBS01

Tot Ion: 94 Resp: 37352

Ion Ratio Lower Upper

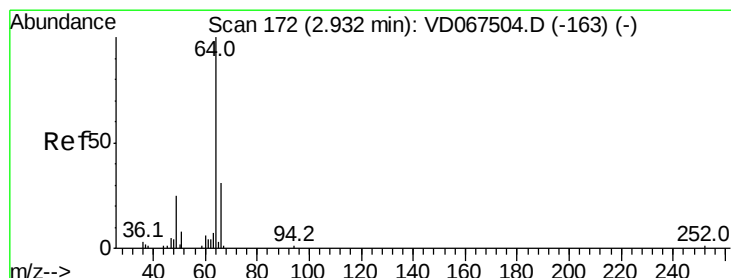
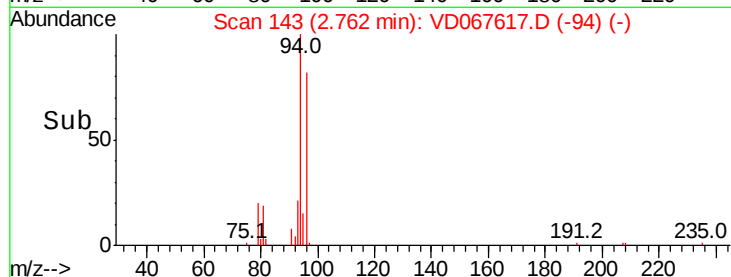
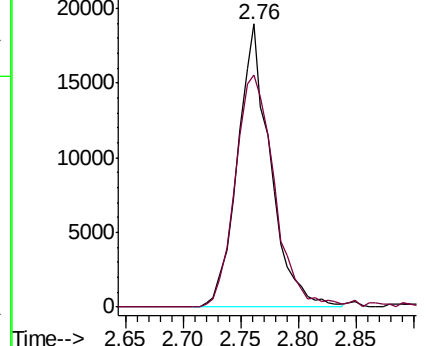
94 100

96 82.2 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.963 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067617.D

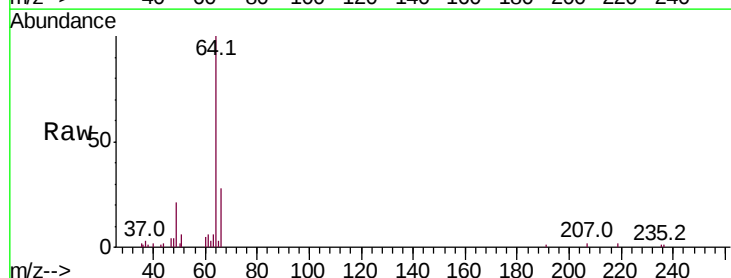
Acq: 12 Nov 2020 12:30

Tgt Ion: 64 Resp: 31034

Ion Ratio Lower Upper

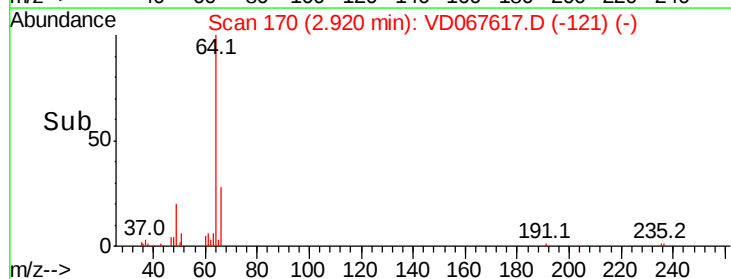
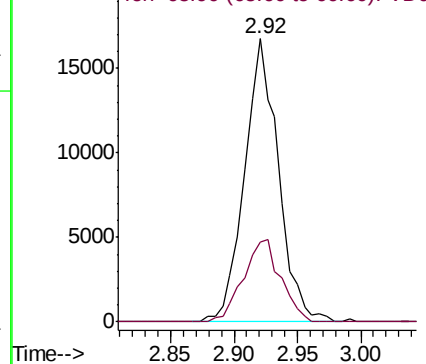
64 100

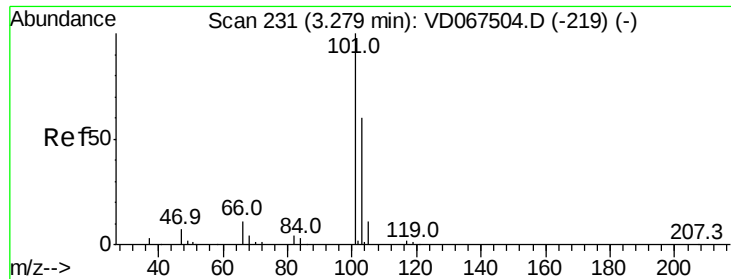
66 28.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



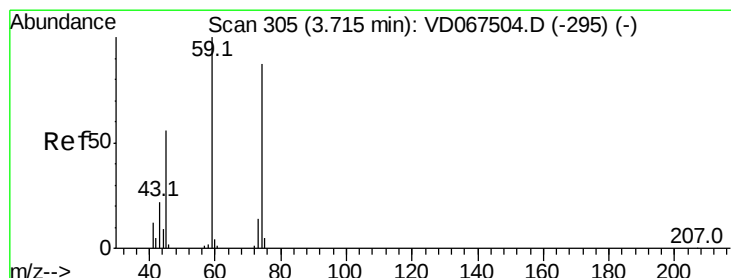
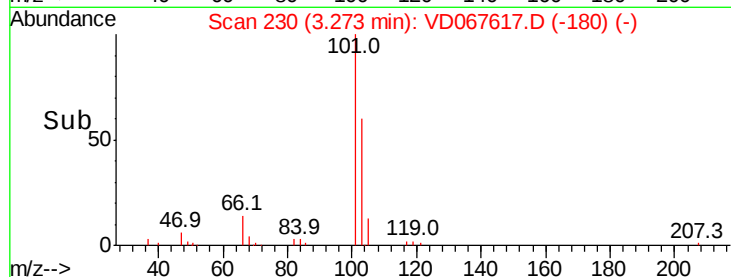
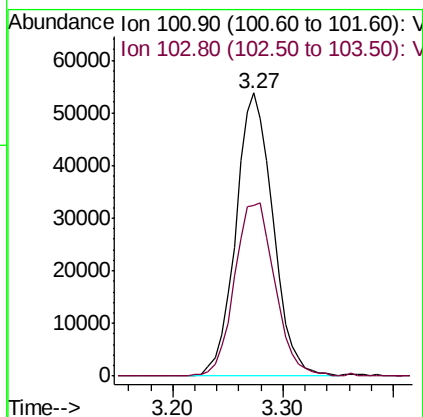
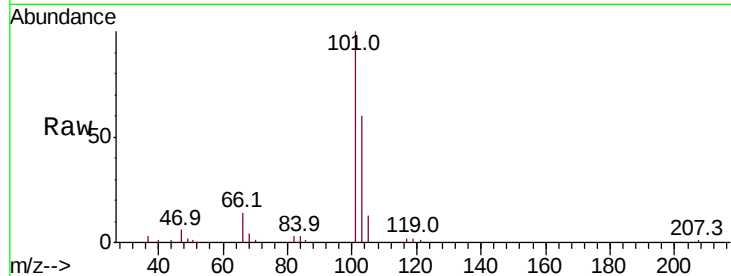


#7

Trichlorofluoromethane
 Concen: 20.470 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

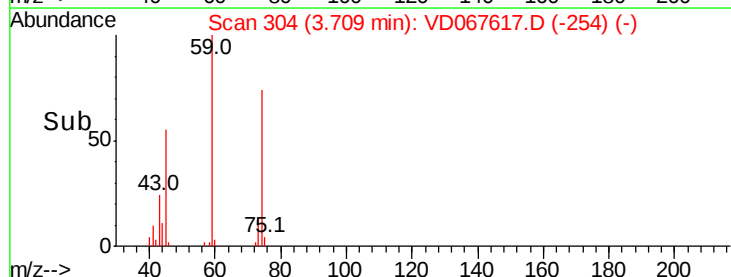
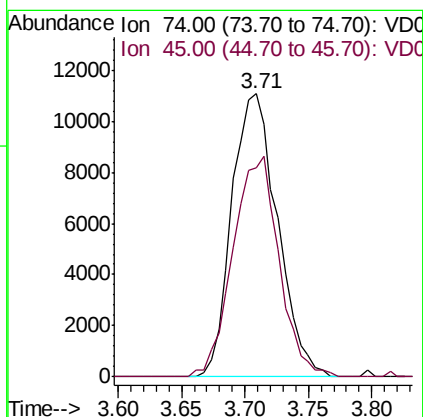
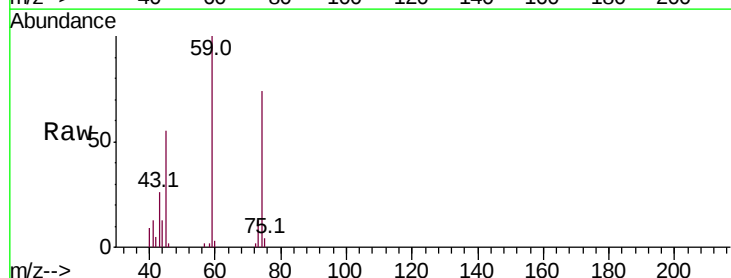
Tot Ion:101 Resp: 127273
 Ion Ratio Lower Upper
 101 100
 103 60.4 48.1 72.1

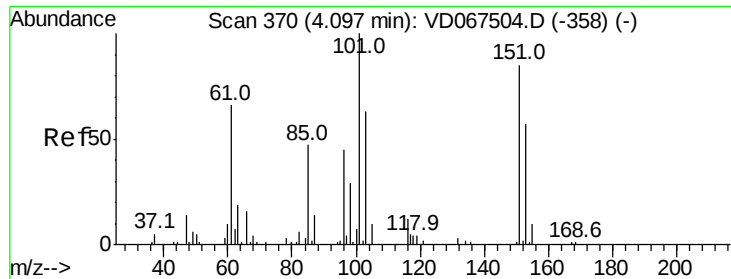


#8

Diethyl Ether
 Concen: 22.073 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion: 74 Resp: 27654
 Ion Ratio Lower Upper
 74 100
 45 78.8 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.536 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

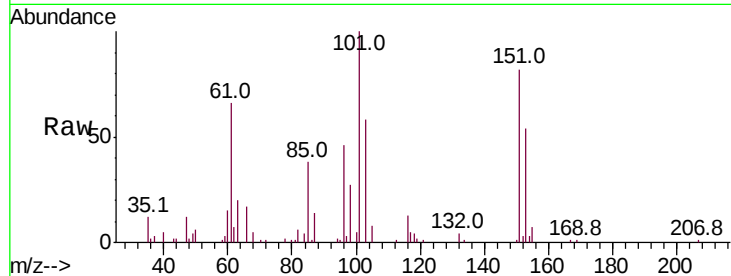
Tot Ion:101 Resp: 67588

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

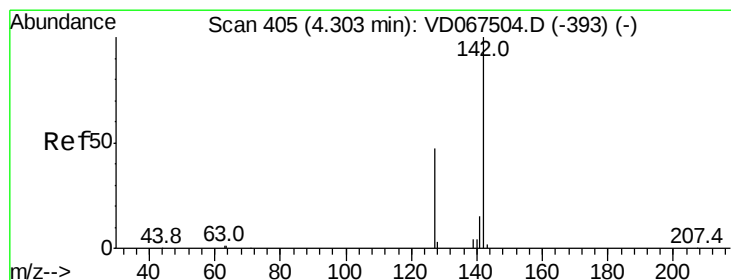
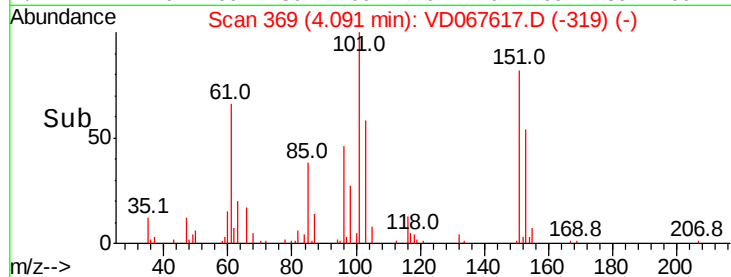
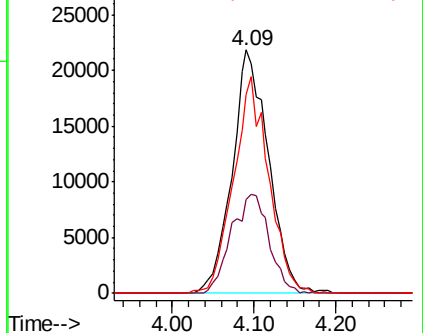
151 85.7 68.1 102.1



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: 19.330 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

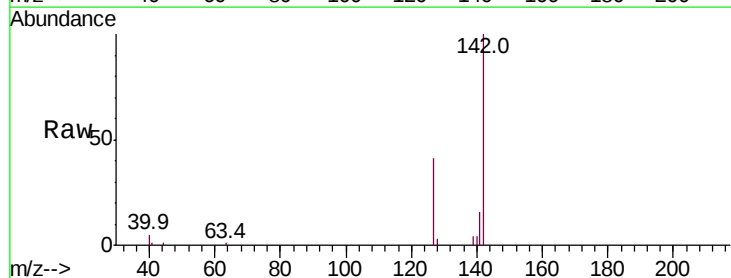
Tgt Ion:142 Resp: 65021

Ion Ratio Lower Upper

142 100

127 47.2 40.0 60.0

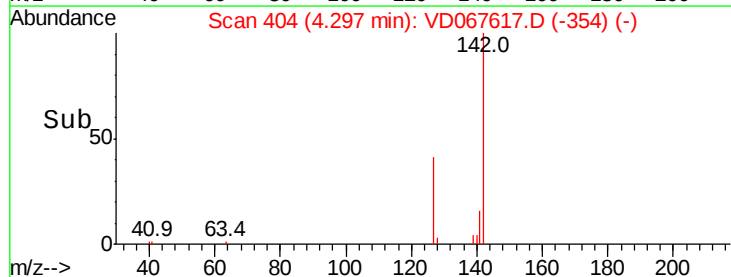
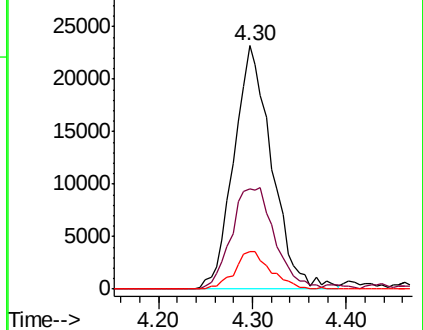
141 14.8 11.7 17.5

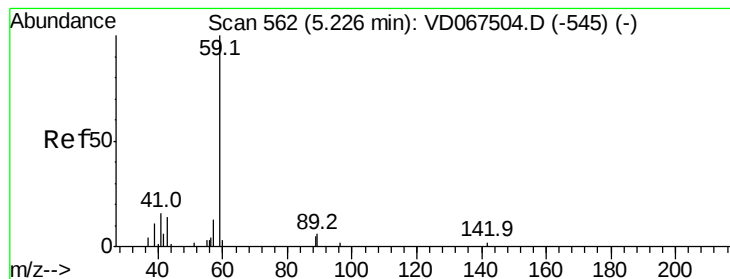


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



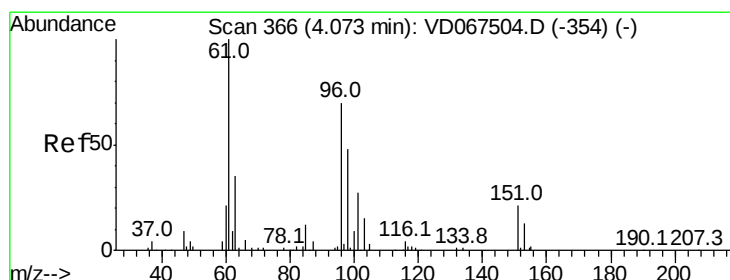
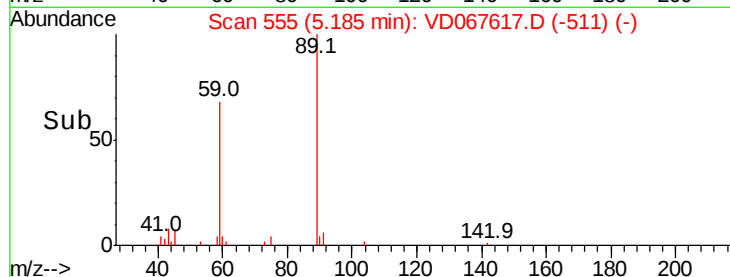
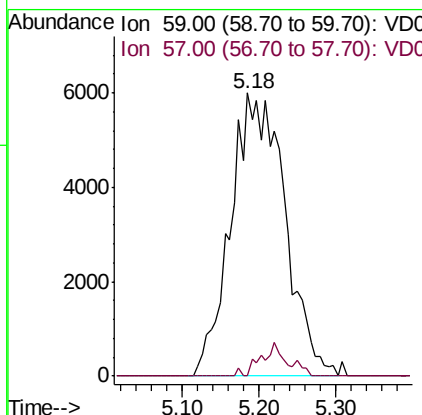
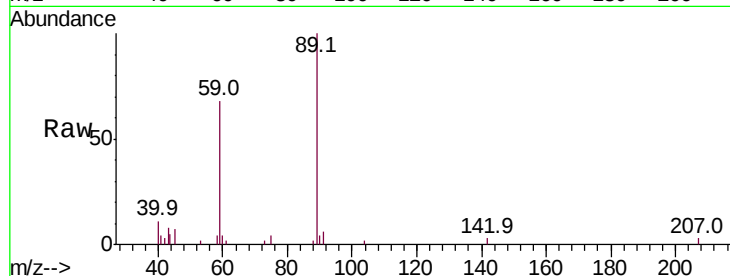


#11

Tert butyl alcohol
 Concen: 223.591 ug/l
 RT: 5.18 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

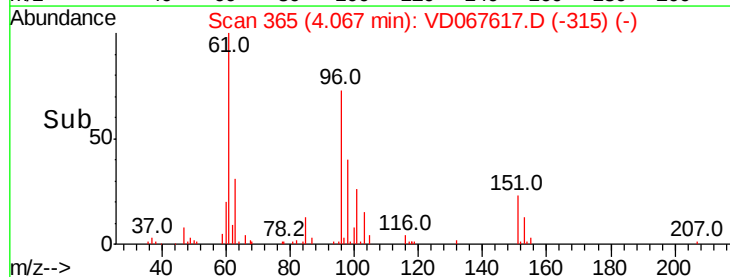
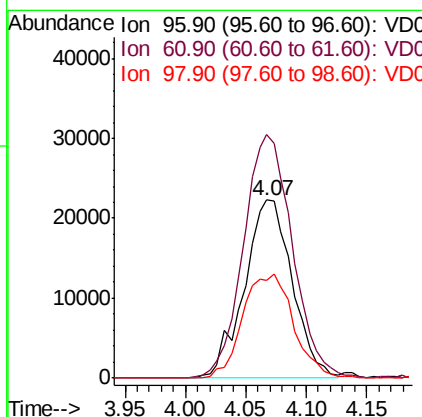
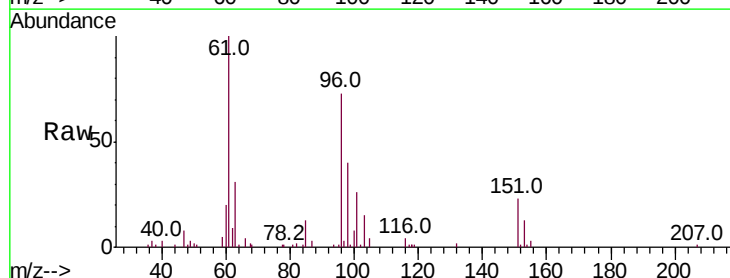
Tot Ion: 59 Resp: 29418
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

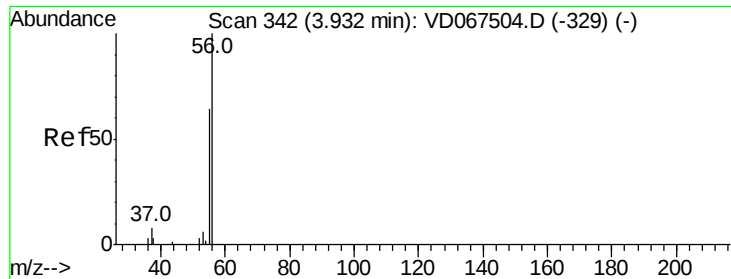


#12

1,1-Dichloroethene
 Concen: 21.384 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion: 96 Resp: 61732
 Ion Ratio Lower Upper
 96 100
 61 137.0 114.5 171.7
 98 55.3 54.5 81.7





#13

Acrolein

Concen: 66.357 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

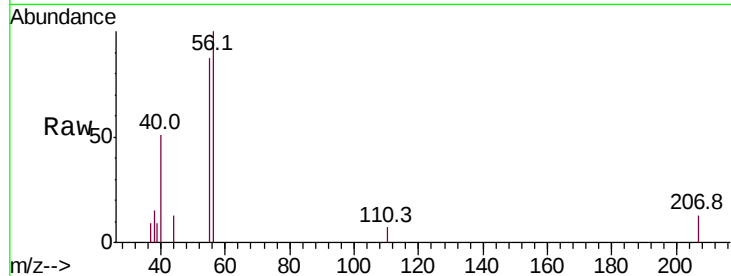
VD1112SBS01

Tot Ion: 56 Resp: 5754

Ion Ratio Lower Upper

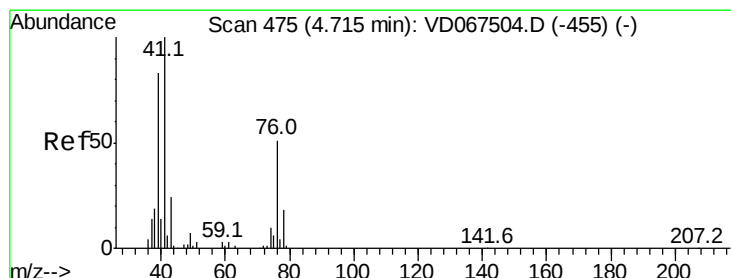
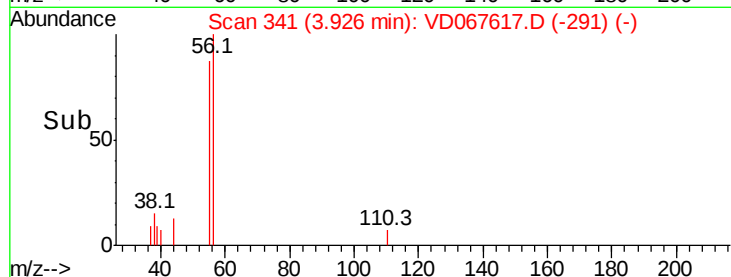
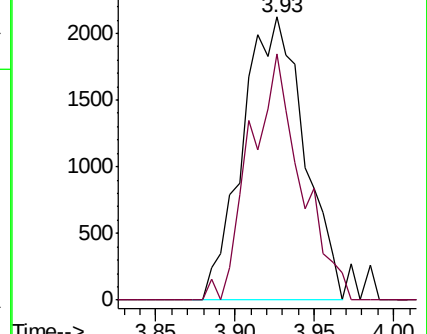
56 100

55 72.1 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: 21.445 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

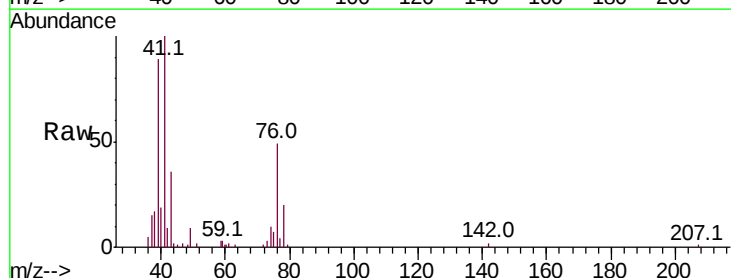
Tgt Ion: 41 Resp: 66256

Ion Ratio Lower Upper

41 100

39 80.4 67.4 101.0

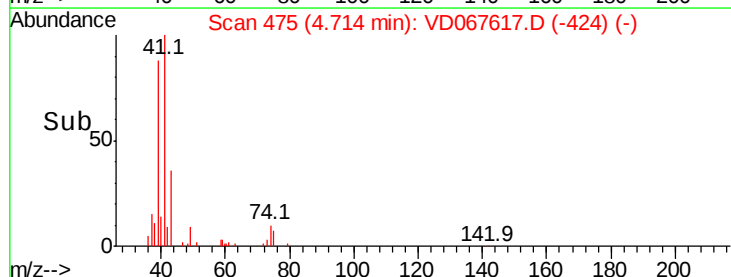
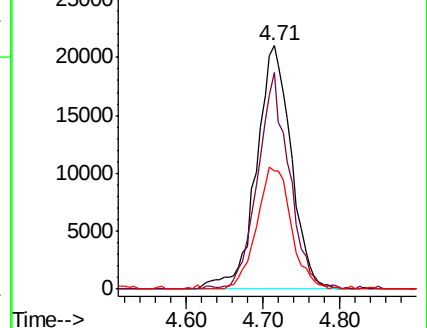
76 49.8 42.2 63.2



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: 110.105 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

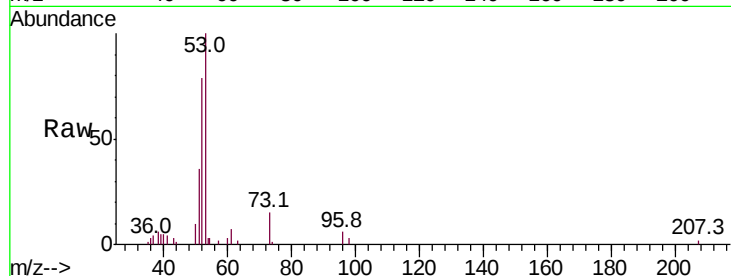
Tot Ion: 53 Resp: 50991

Ion Ratio Lower Upper

53 100

52 80.6 64.8 97.2

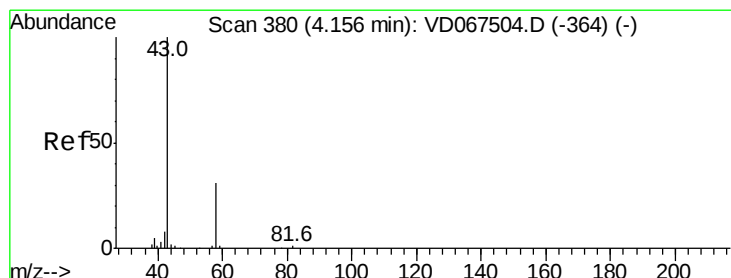
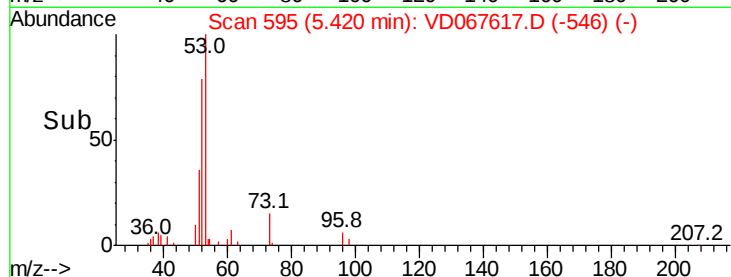
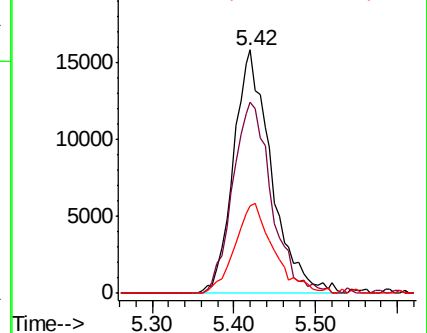
51 37.8 29.5 44.3



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: 96.418 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067617.D

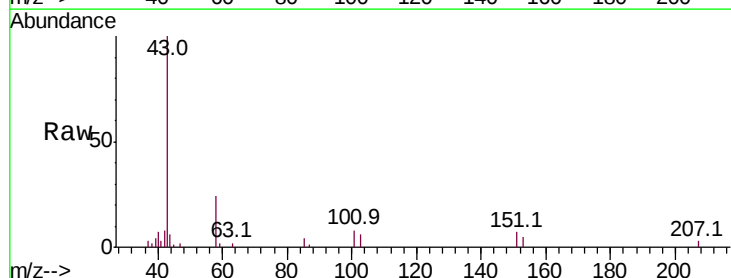
Acq: 12 Nov 2020 12:30

Tgt Ion: 43 Resp: 43635

Ion Ratio Lower Upper

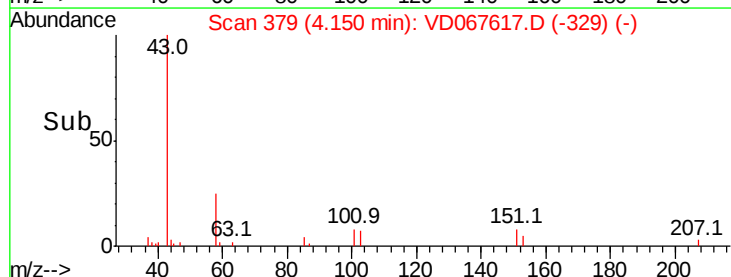
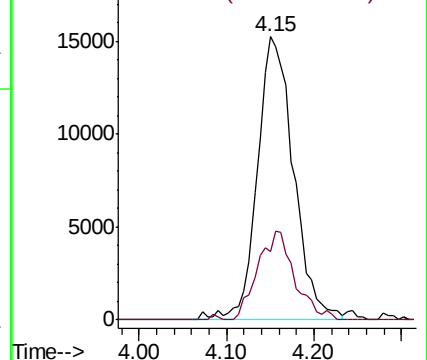
43 100

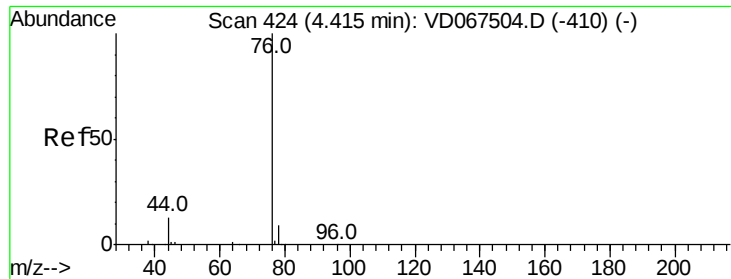
58 24.3 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

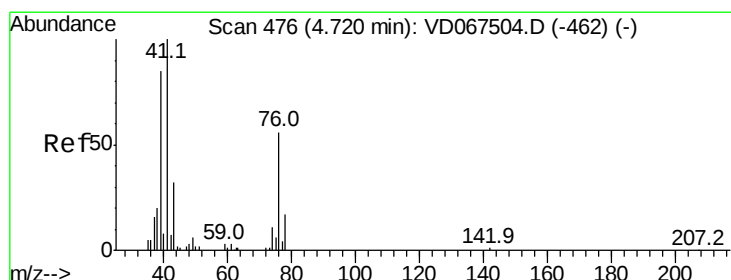
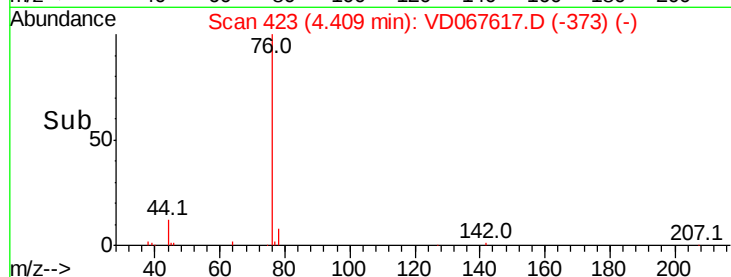
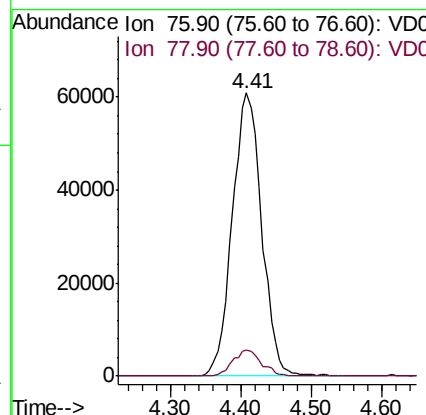
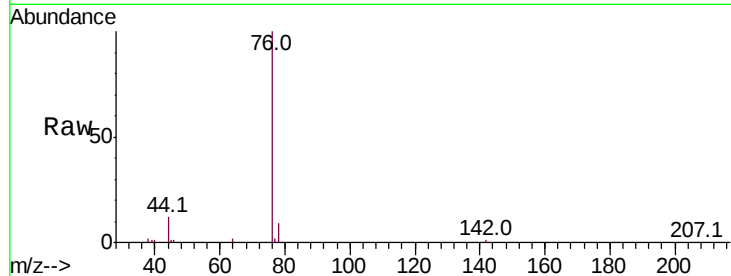




#17
Carbon Disulfide
Concen: 19.870 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

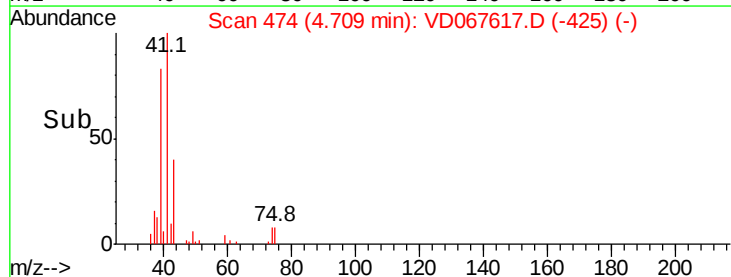
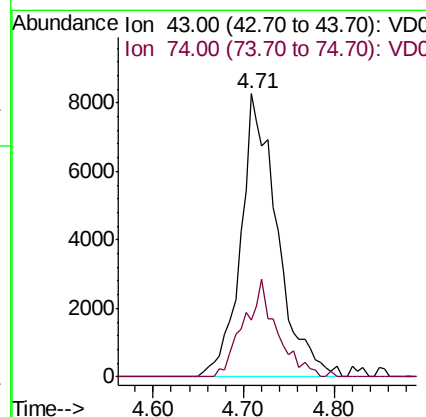
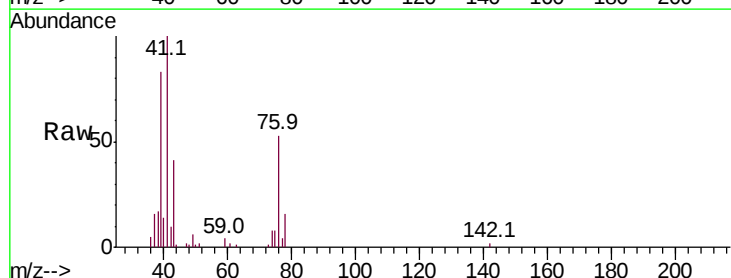
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

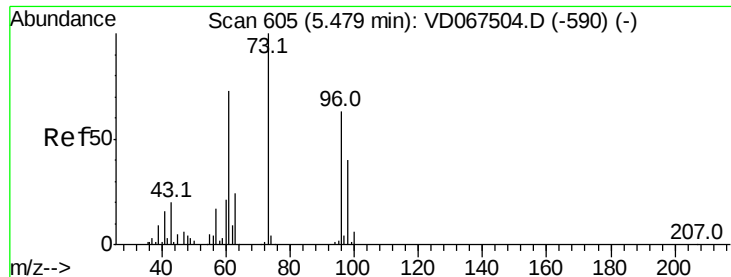
Tot Ion: 76 Resp: 175770
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 24.837 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 43 Resp: 23228
Ion Ratio Lower Upper
43 100
74 30.8 27.2 40.8

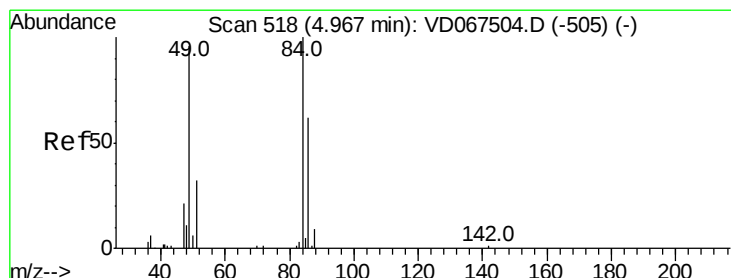
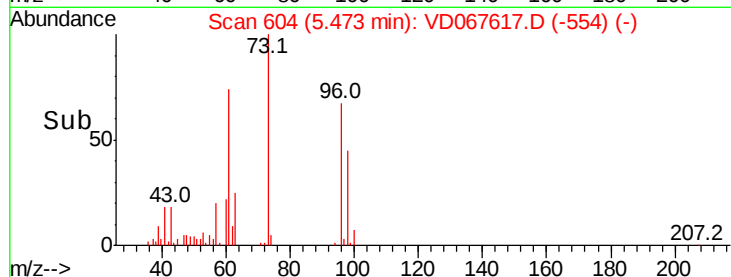
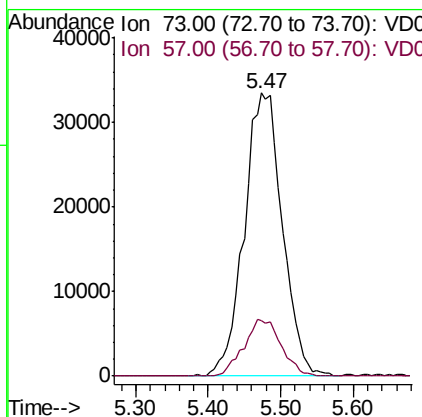
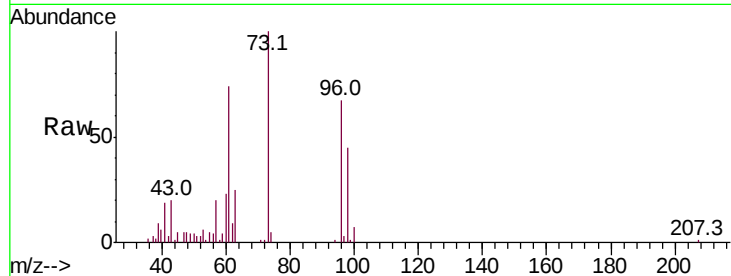




#19
Methyl tert-butyl Ether
Concen: 21.443 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

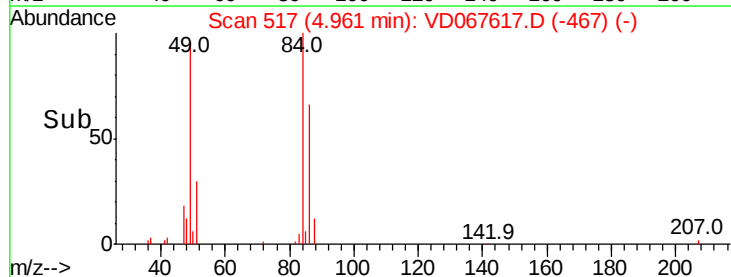
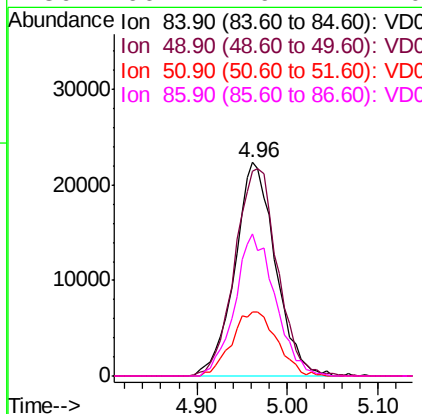
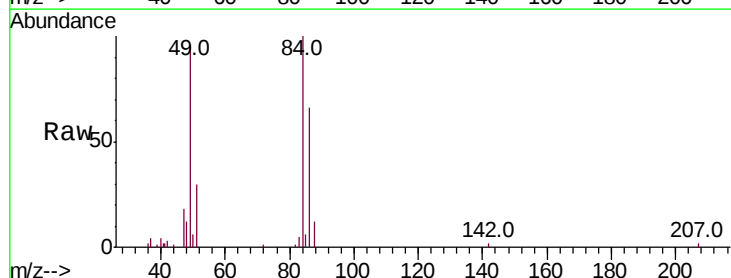
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

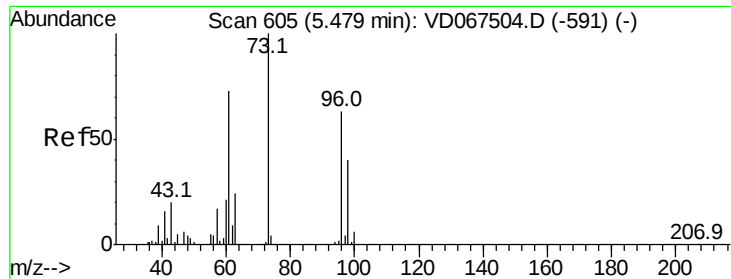
Tot Ion: 73 Resp: 122101
Ion Ratio Lower Upper
73 100
57 19.7 13.4 20.0



#20
Methylene Chloride
Concen: 21.710 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 84 Resp: 69405
Ion Ratio Lower Upper
84 100
49 96.1 77.0 115.4
51 29.7 25.4 38.2
86 66.2 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.781 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

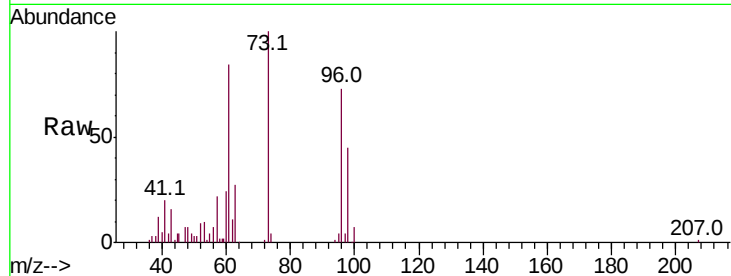
Tot Ion: 96 Resp: 69873

Ion Ratio Lower Upper

96 100

61 114.4 93.0 139.6

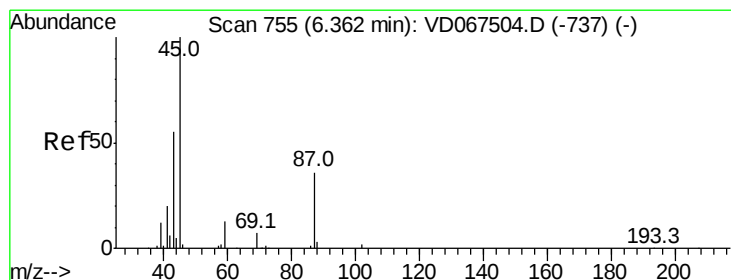
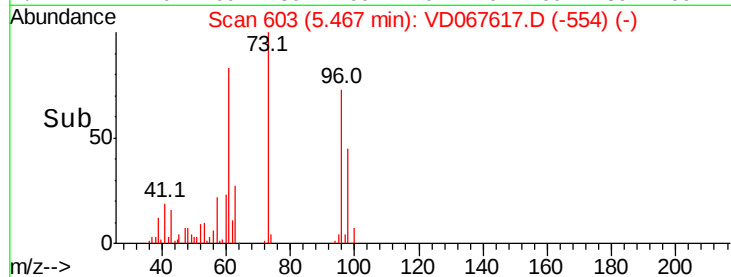
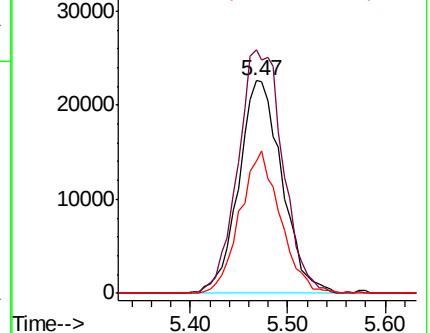
98 61.9 50.9 76.3



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: 22.749 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion: 45 Resp: 136969

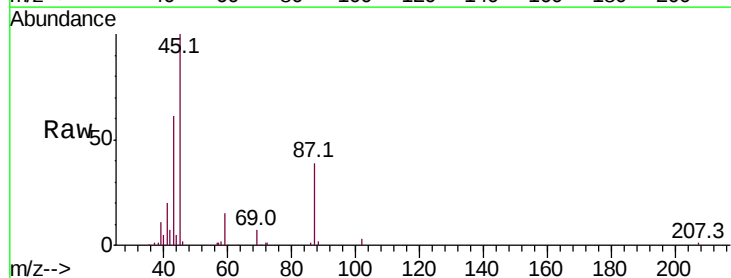
Ion Ratio Lower Upper

45 100

43 58.4 46.2 69.4

87 38.9 29.4 44.2

59 15.1 10.8 16.2

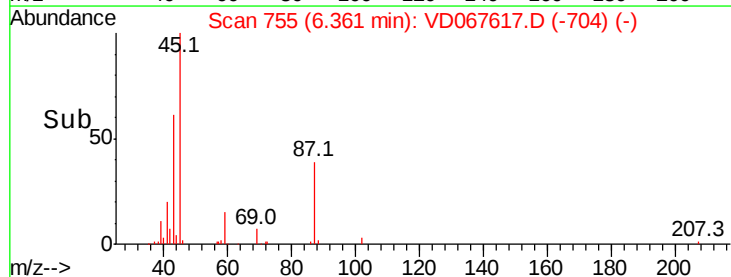
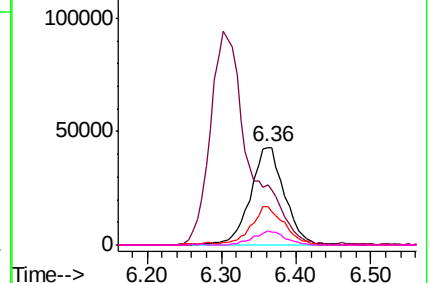


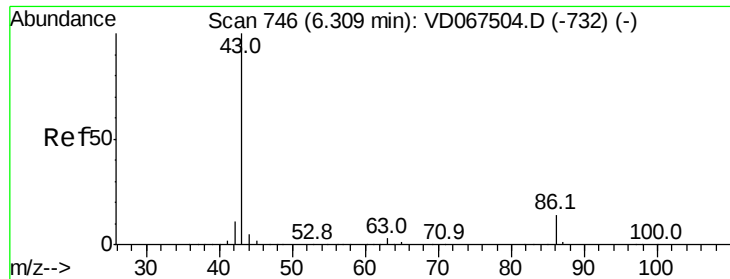
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 108.871 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

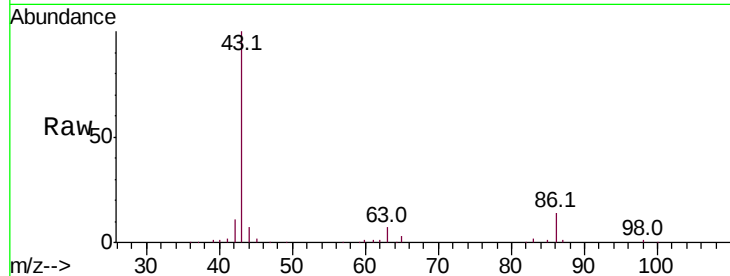
VD1112SBS01

Tot Ion: 43 Resp: 343116

Ion Ratio Lower Upper

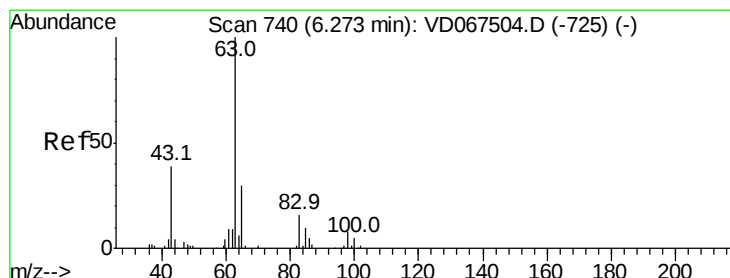
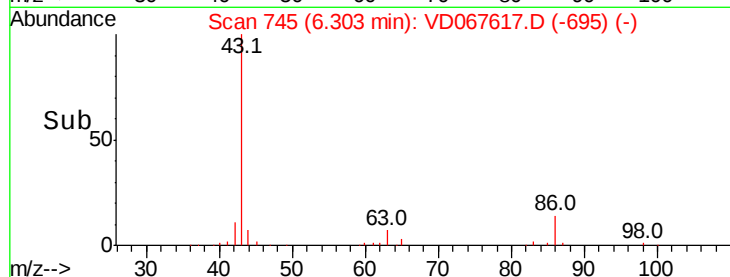
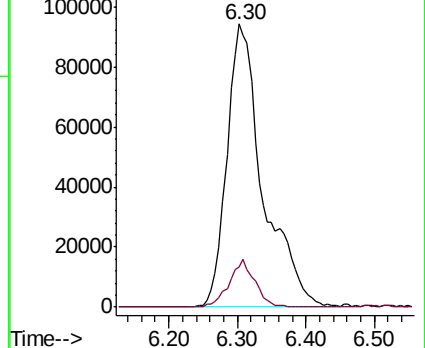
43 100

86 14.2 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: 21.710 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

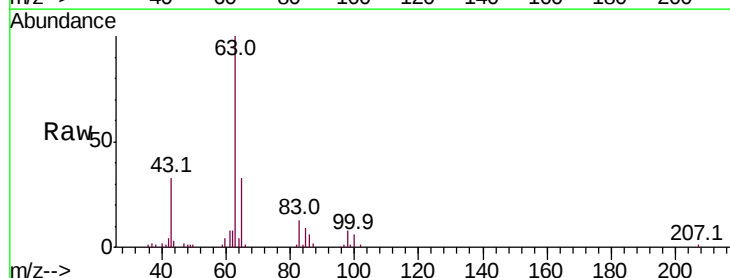
Tgt Ion: 63 Resp: 106932

Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.5

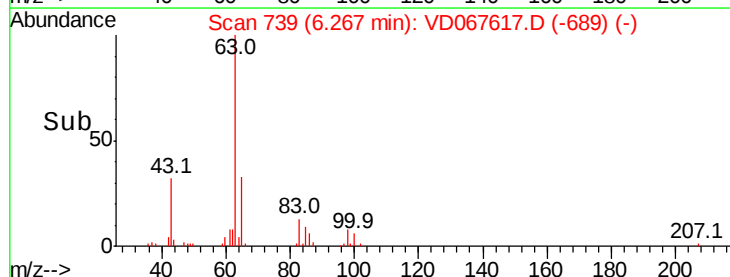
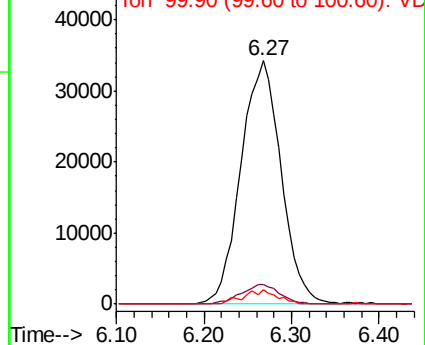
100 5.7 2.6 7.8

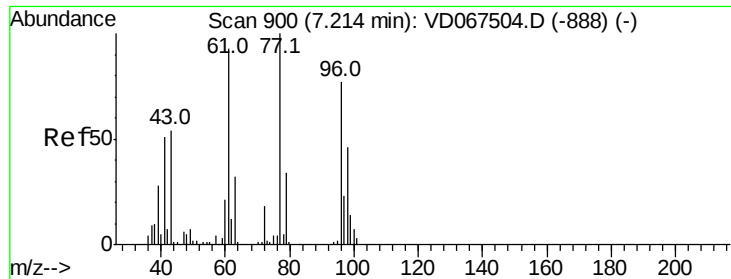


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 116.373 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

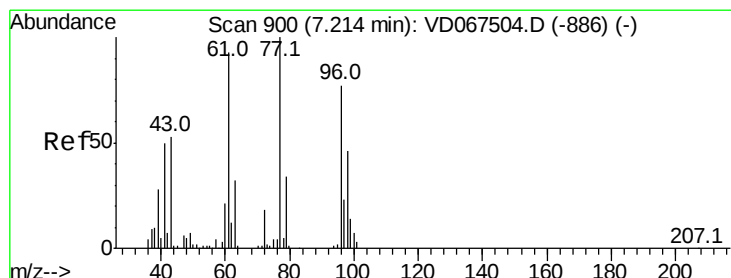
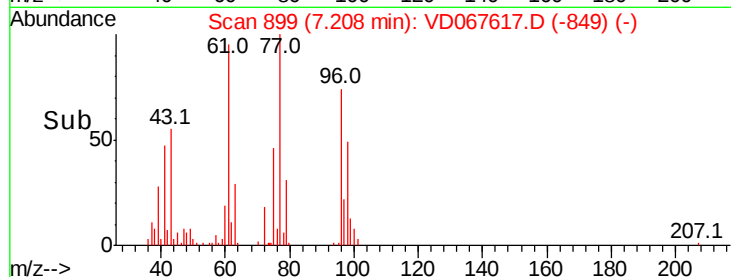
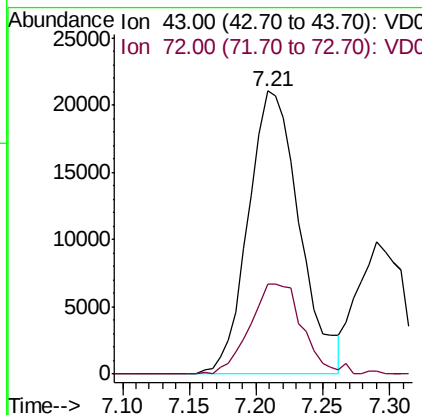
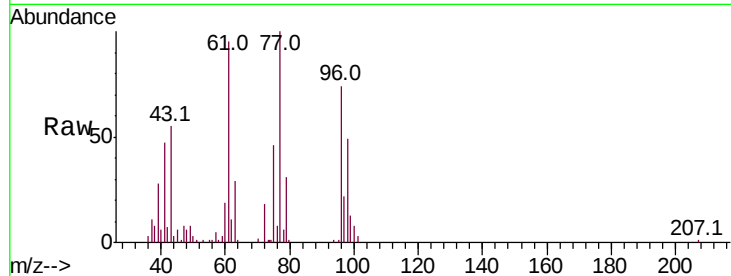
VD1112SBS01

Tot Ion: 43 Resp: 56275

Ion Ratio Lower Upper

43 100

72 32.0 26.4 39.6



#26

2,2-Dichloropropane

Concen: 21.390 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067617.D

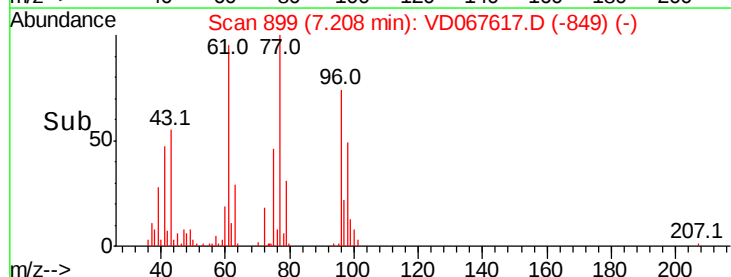
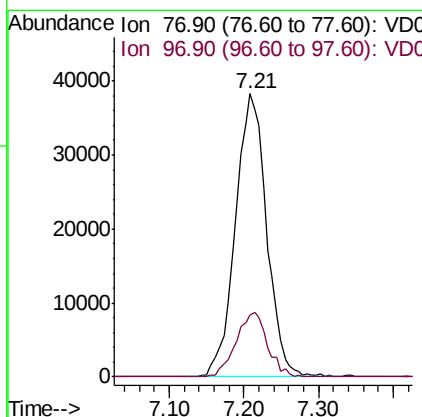
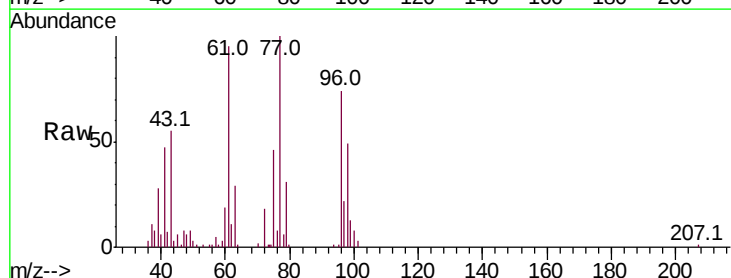
Acq: 12 Nov 2020 12:30

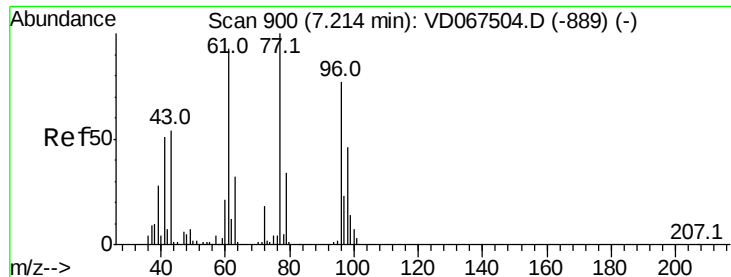
Tgt Ion: 77 Resp: 111193

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 21.789 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

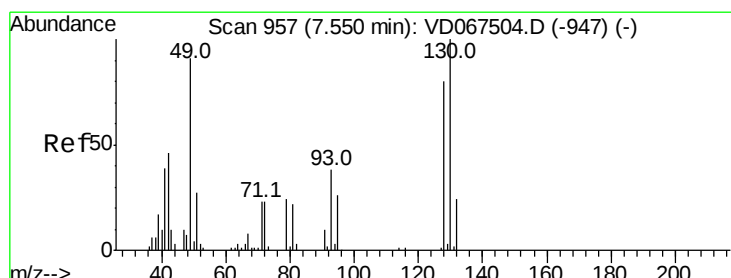
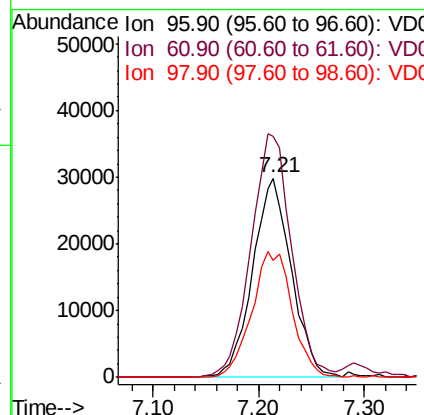
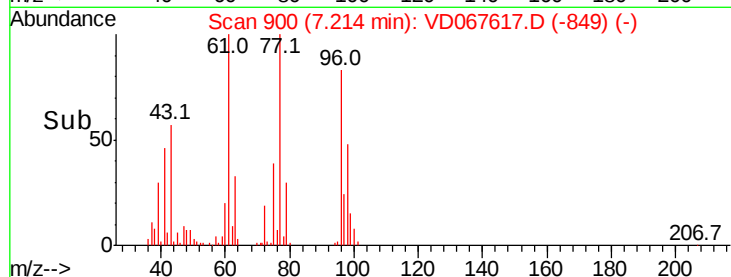
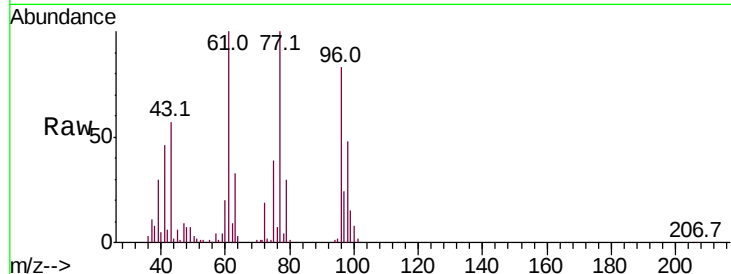
Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 96 Resp: 76044

Ion	Ratio	Lower	Upper
96	100		
61	128.4	0.0	251.6
98	65.8	0.0	128.0



#28

Bromochloromethane

Concen: 20.096 ug/l

RT: 7.54 min Scan# 956

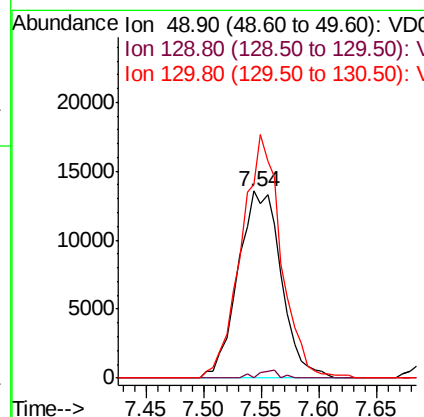
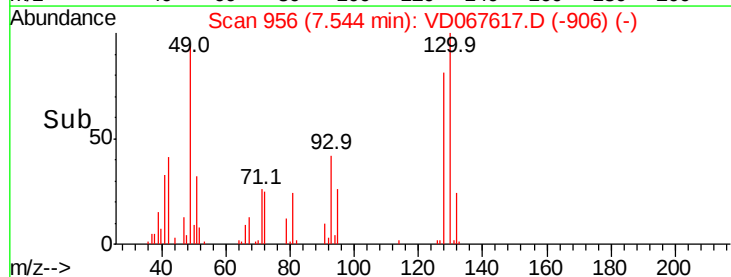
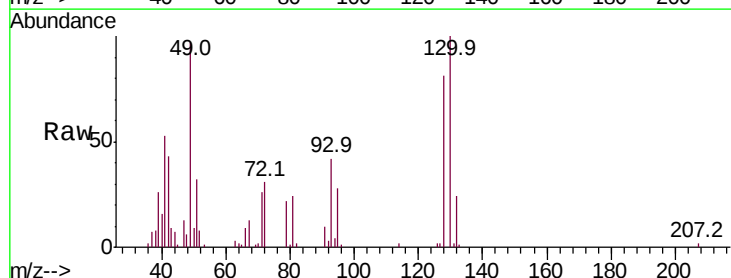
Delta R.T. -0.01 min

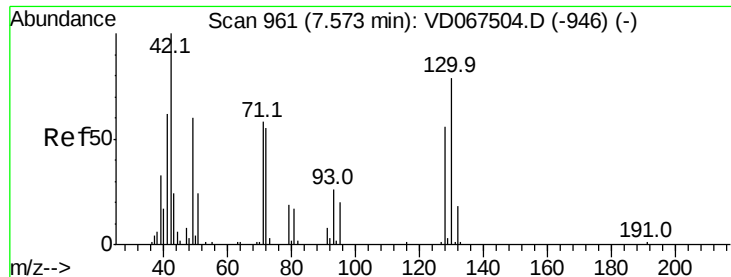
Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion: 49 Resp: 35209

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	6.4
130	120.1	94.6	142.0

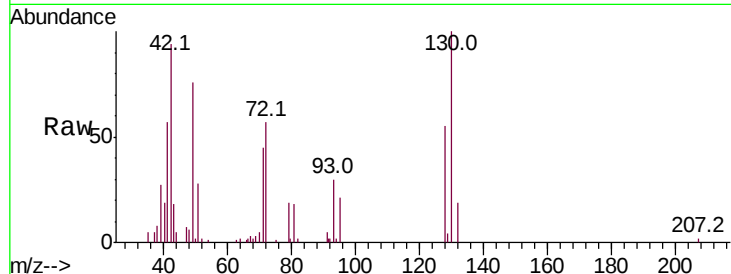




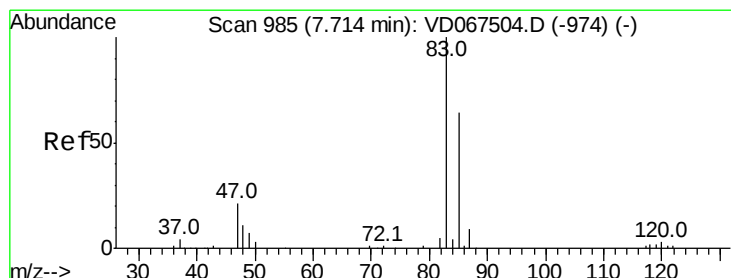
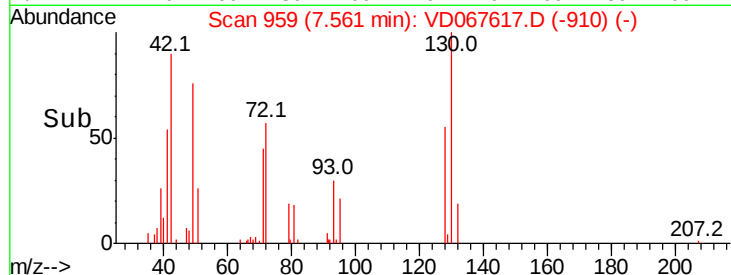
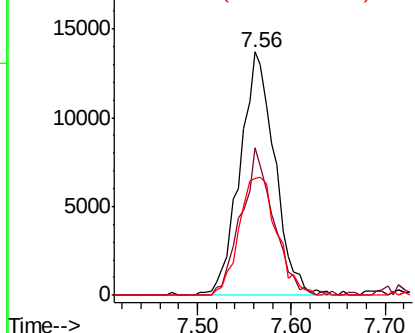
#29
Tetrahydrofuran
Concen: 121.248 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 42 Resp: 35121
Ion Ratio Lower Upper
42 100
72 56.1 46.3 69.5
71 52.7 44.0 66.0

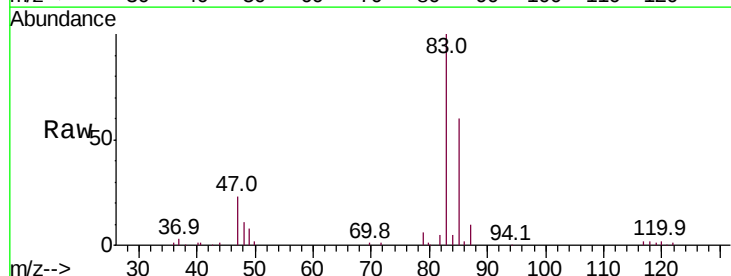


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

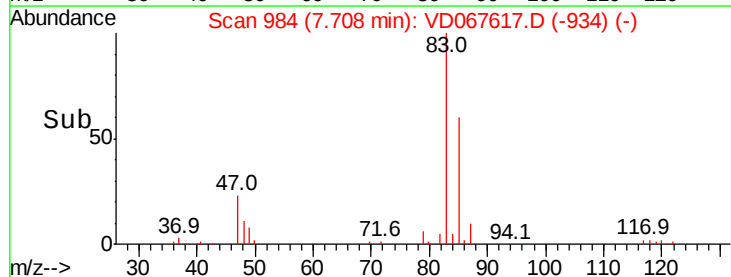
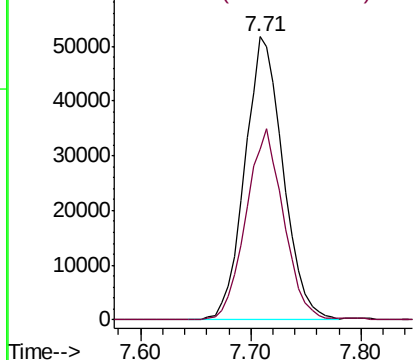


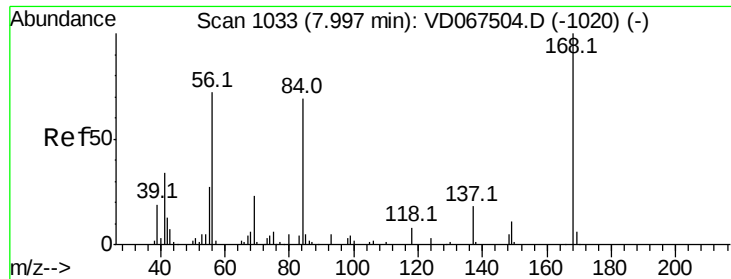
#30
Chloroform
Concen: 21.388 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 83 Resp: 125679
Ion Ratio Lower Upper
83 100
85 60.4 51.5 77.3



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

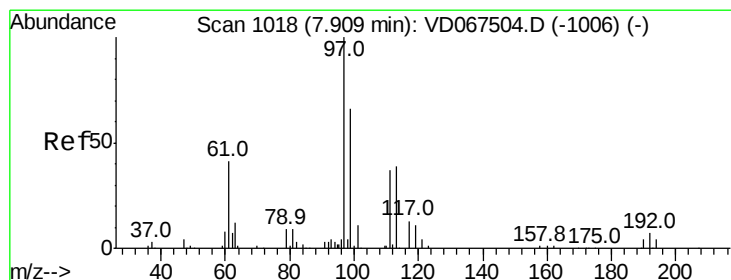
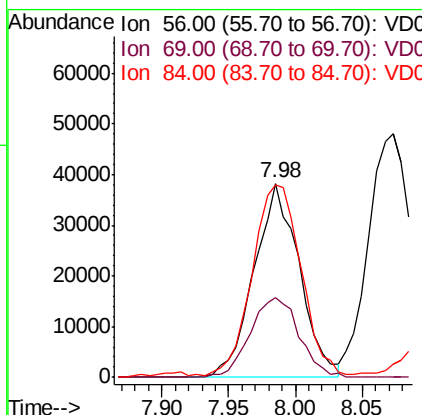
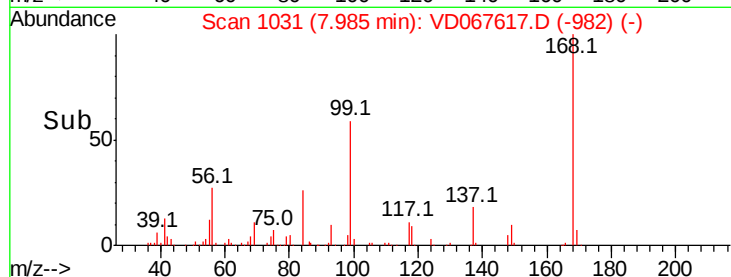
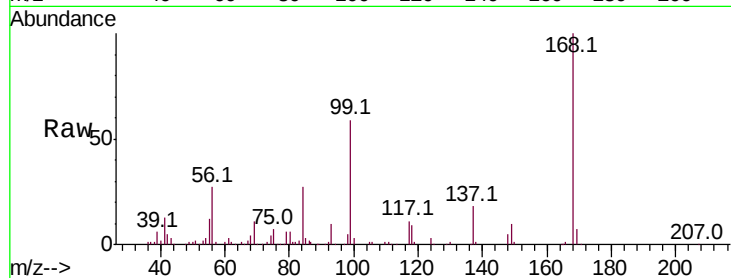




#31
Cyclohexane
Concen: 20.525 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

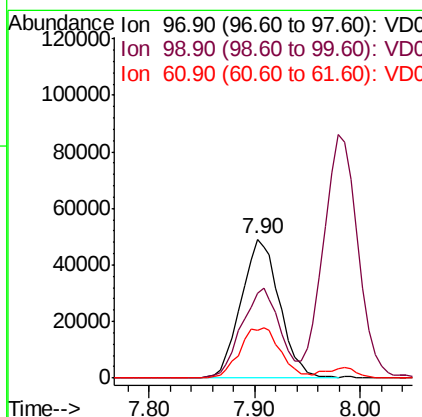
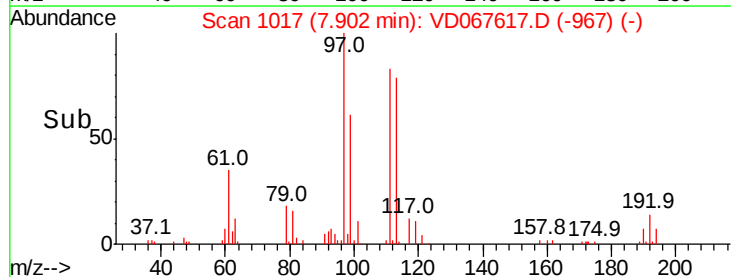
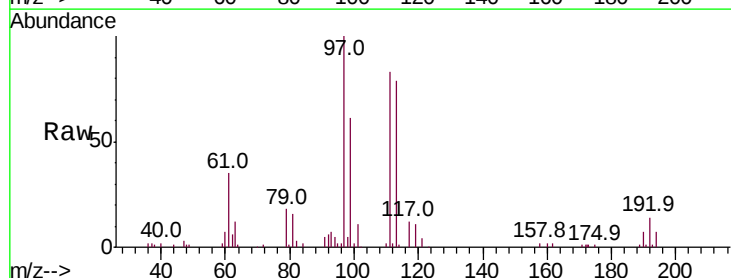
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

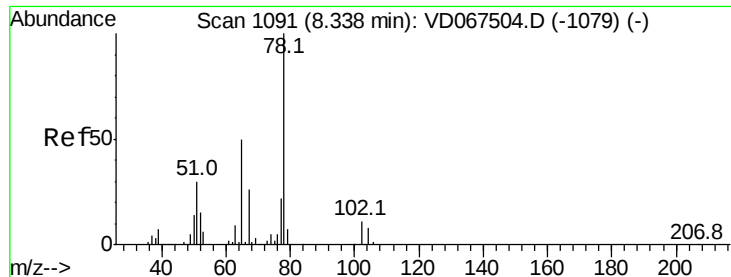
Tot Ion: 56 Resp: 90027
Ion Ratio Lower Upper
56 100
69 40.9 25.9 38.9#
84 98.3 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 20.451 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 97 Resp: 123996
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 38.5 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 45.922 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

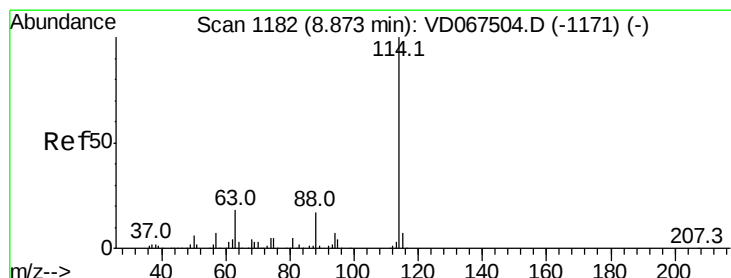
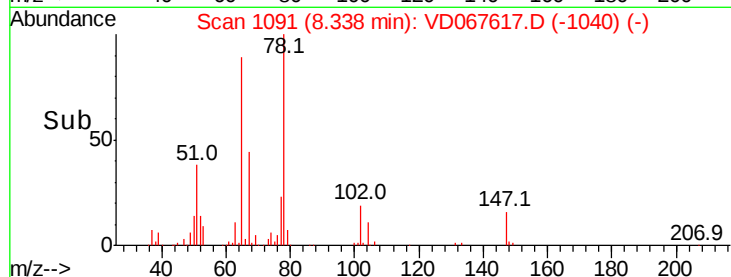
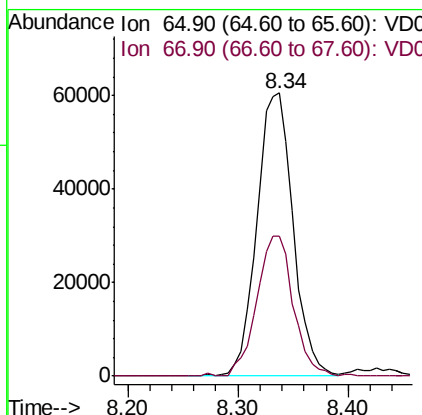
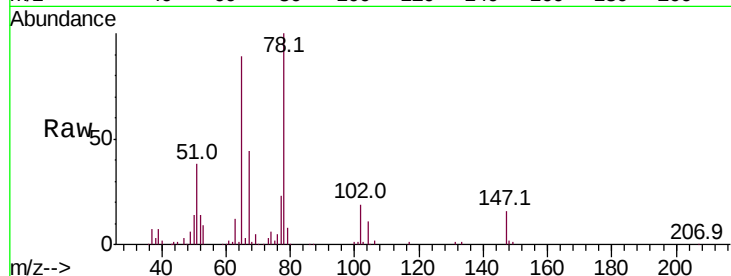
Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 65 Resp: 138880

Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

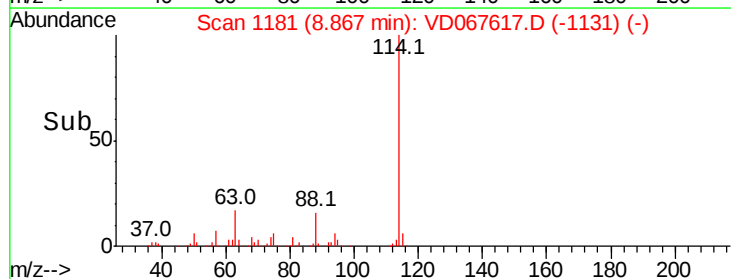
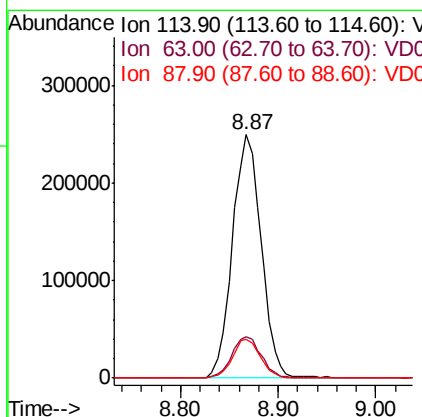
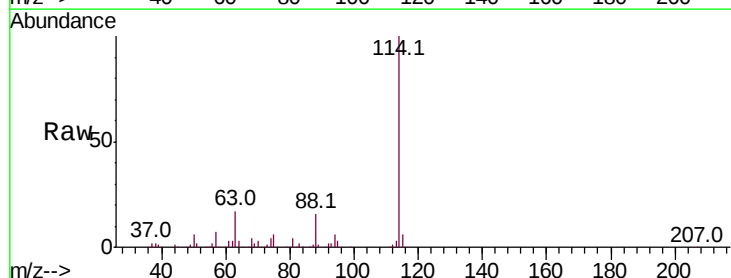
Delta R.T. -0.01 min

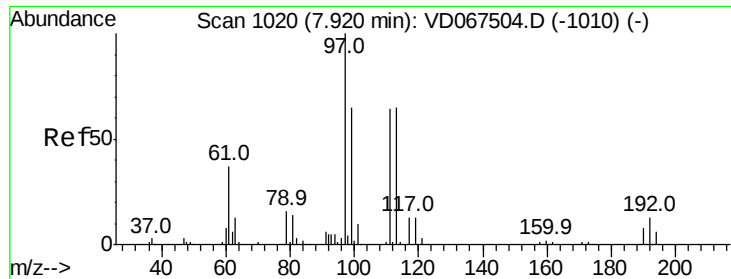
Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion: 114 Resp: 509722

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	35.0
88	15.7	0.0	33.0

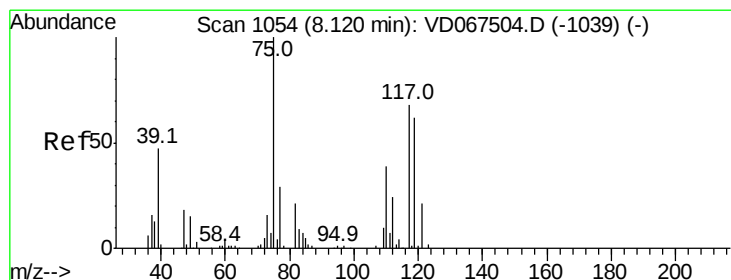
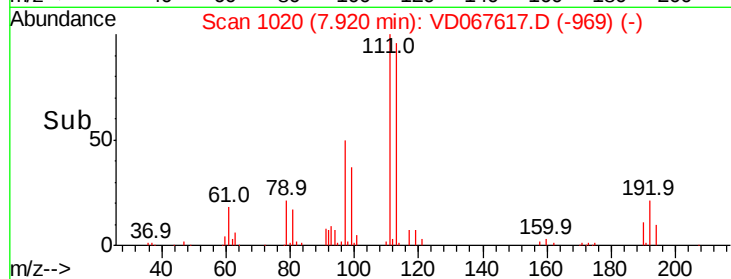
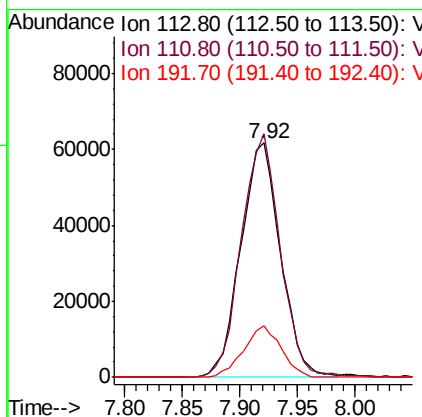
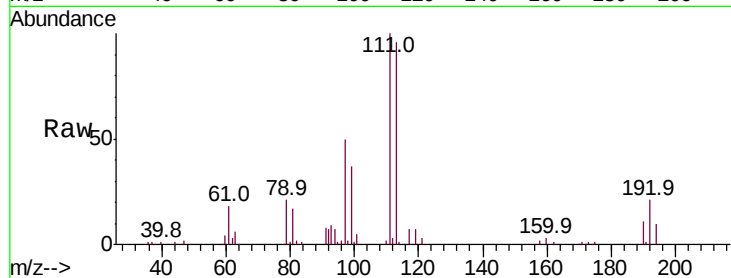




#35
 Dibromofluoromethane
 Concen: 48.069 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

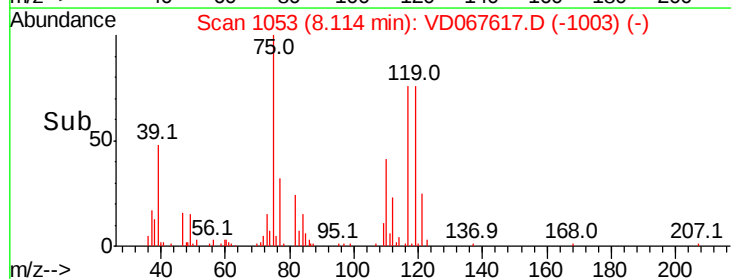
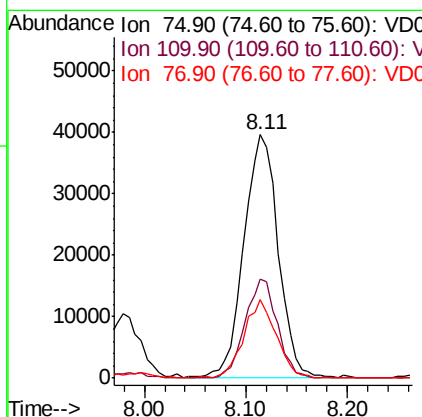
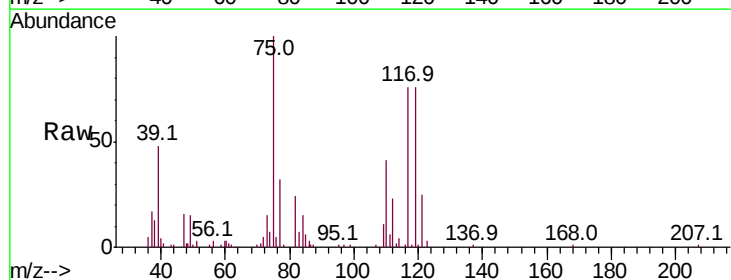
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

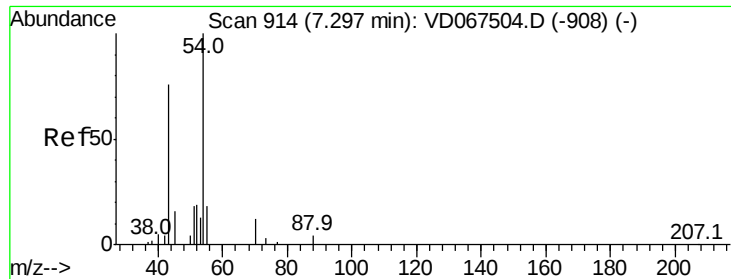
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.0	120.0
192	20.9	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 21.379 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	19.9	59.7
77	30.5	24.8	37.2

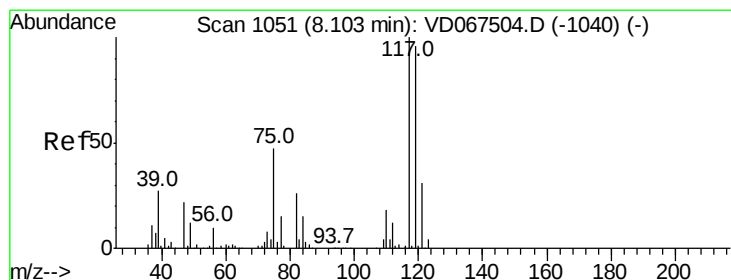
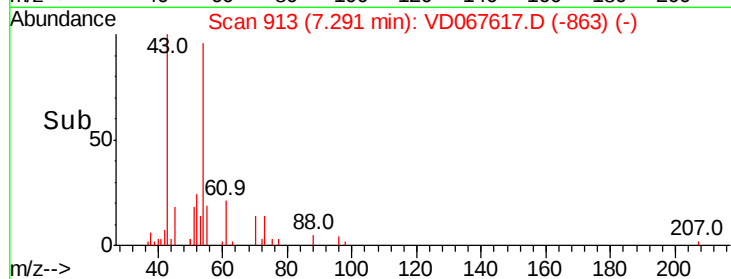
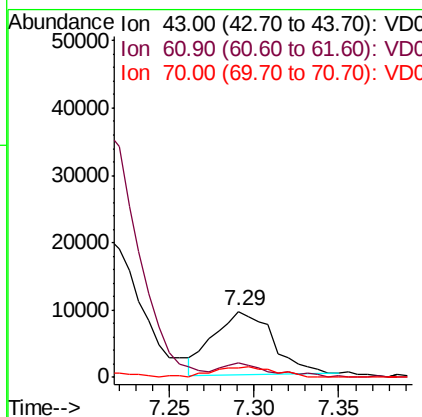
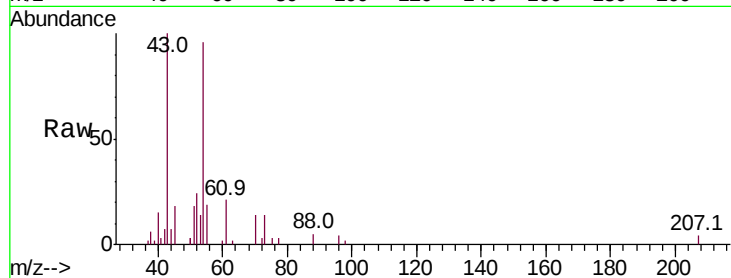




#37
Ethyl Acetate
Concen: 20.453 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

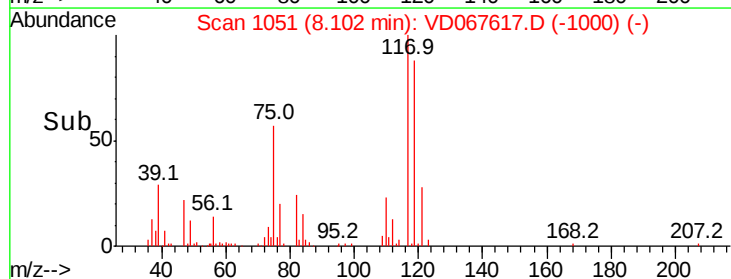
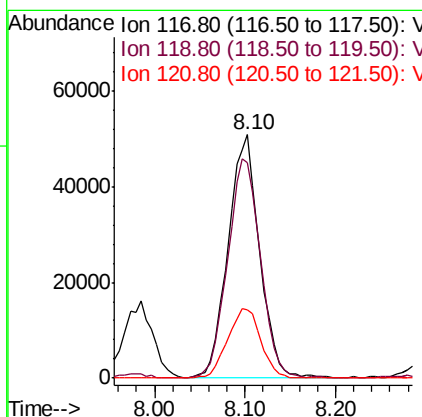
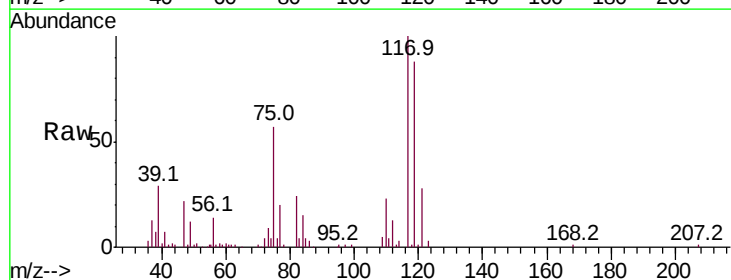
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

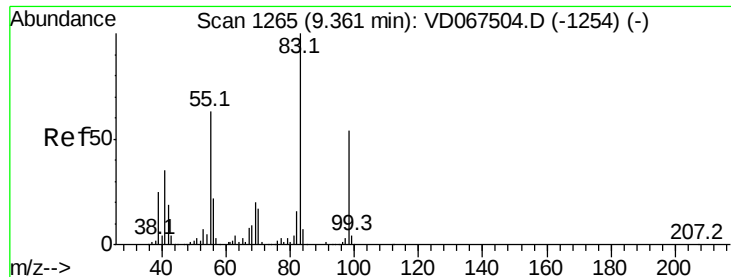
Tot Ion: 43 Resp: 23168
Ion Ratio Lower Upper
43 100
61 18.8 12.8 19.2
70 17.6 11.7 17.5#



#38
Carbon Tetrachloride
Concen: 21.714 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 117 Resp: 123094
Ion Ratio Lower Upper
117 100
119 88.4 76.9 115.3
121 28.0 24.5 36.7

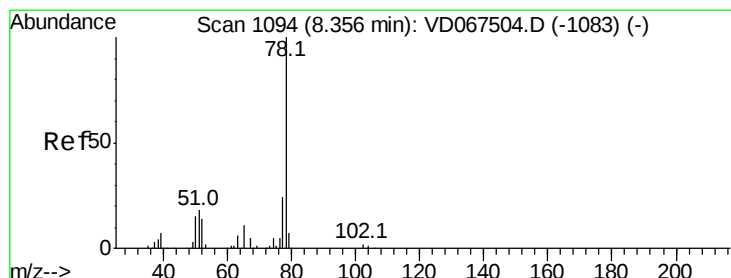
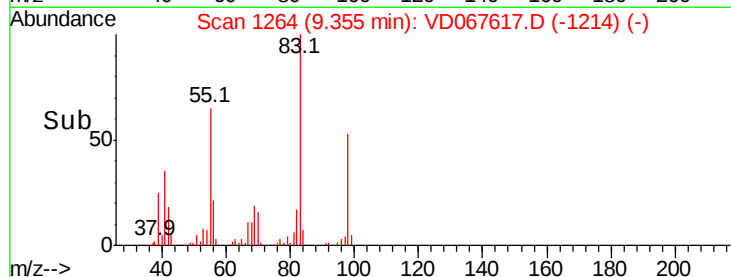
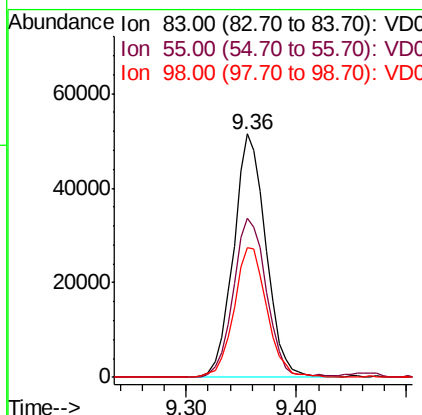
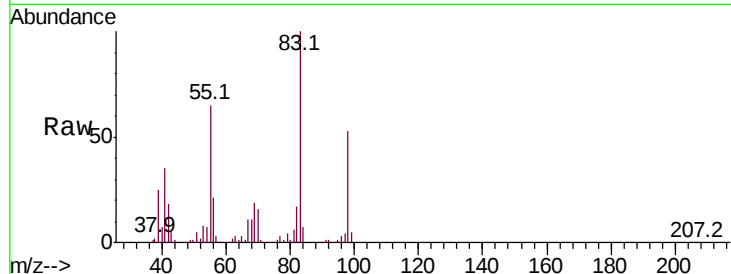




#39
Methvlcvclohexane
Concen: 20.661 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

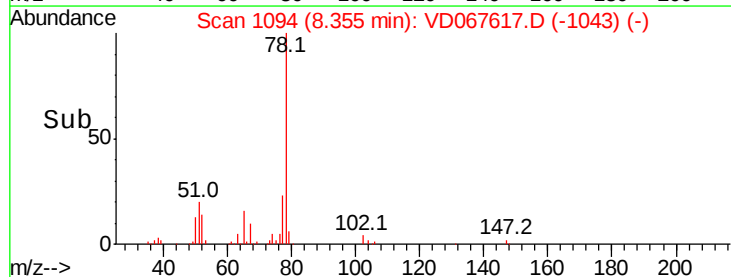
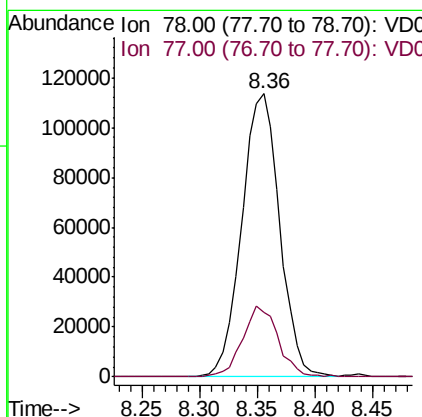
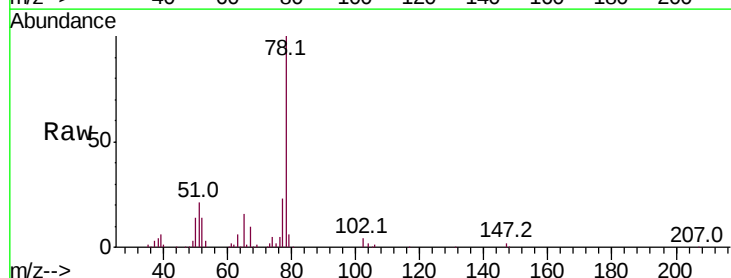
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

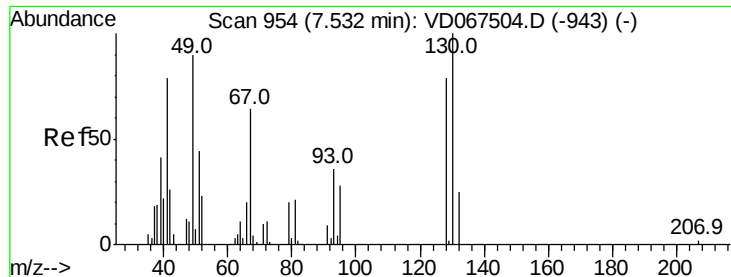
Tot Ion: 83 Resp: 106099
Ion Ratio Lower Upper
83 100
55 65.5 50.5 75.7
98 53.0 43.4 65.0



#40
Benzene
Concen: 21.942 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 78 Resp: 259325
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7

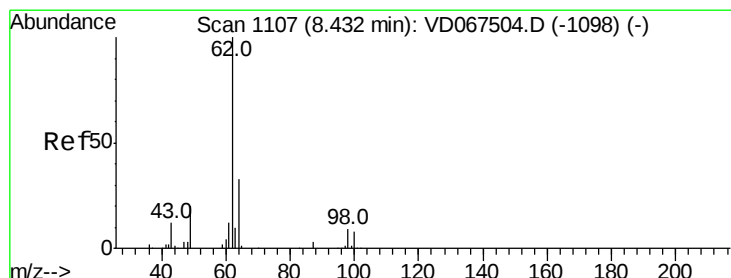
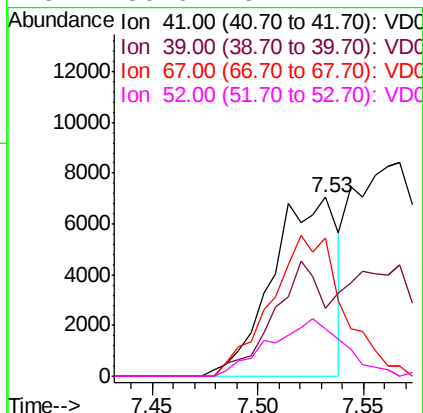
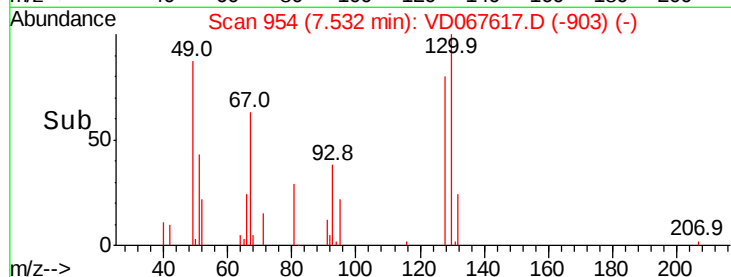
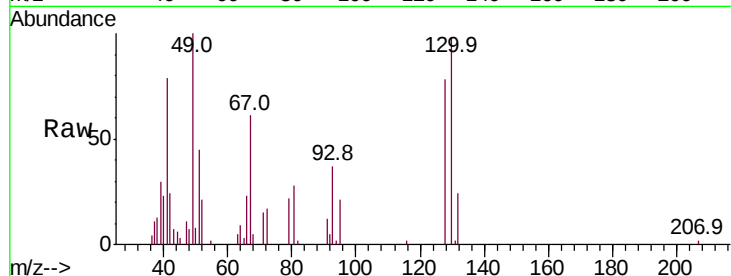




#41
Methacrylonitrile
Concen: 22.245 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

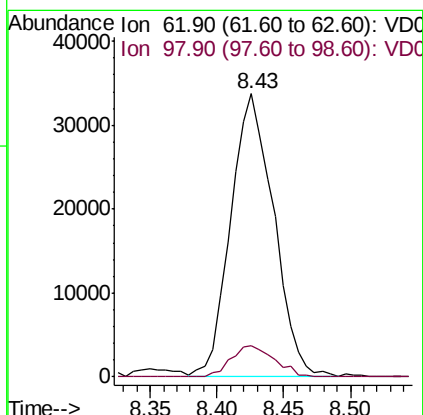
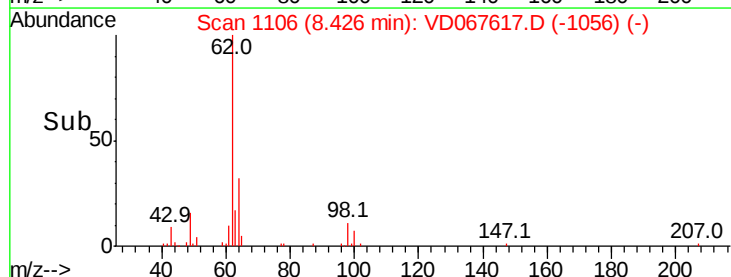
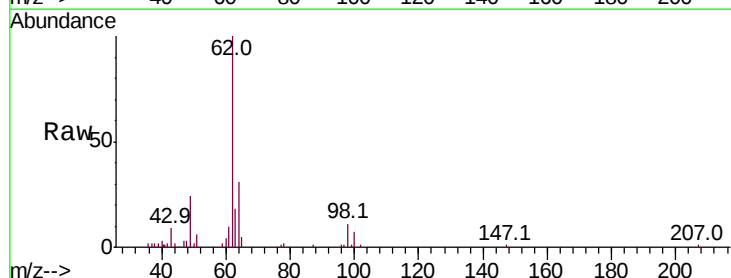
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

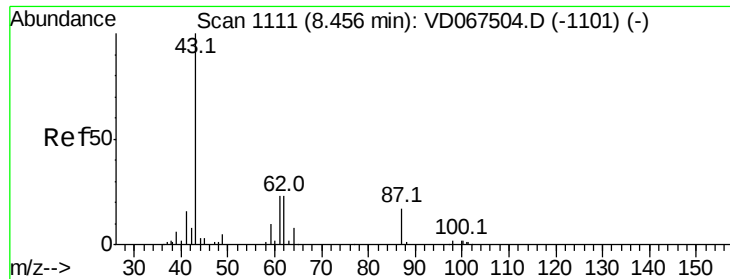
Tot Ion: 41 Resp: 15062
Ion Ratio Lower Upper
41 100
39 48.5 51.3 76.9#
67 87.9 78.9 118.3
52 36.6 31.4 47.2



#42
1,2-Dichloroethane
Concen: 20.687 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 62 Resp: 75540
Ion Ratio Lower Upper
62 100
98 11.2 0.0 19.8





#43

Isopropyl Acetate

Concen: 22.470 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

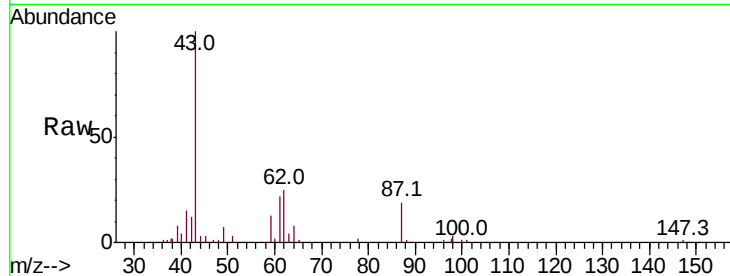
Tot Ion: 43 Resp: 50339

Ion Ratio Lower Upper

43 100

61 36.3 30.5 45.7

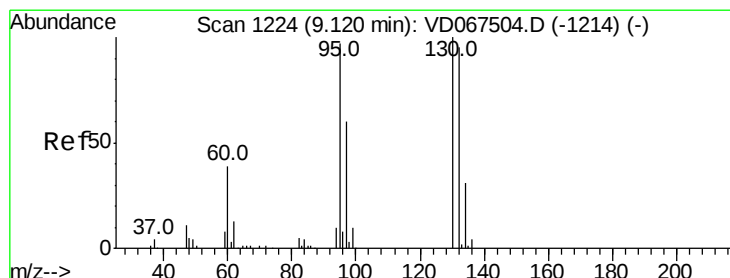
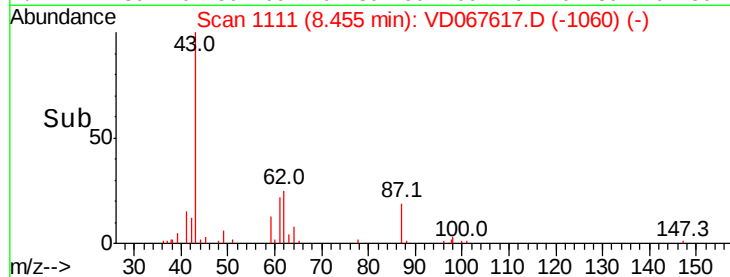
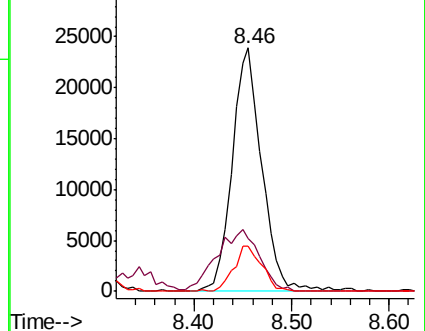
87 17.5 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.118 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067617.D

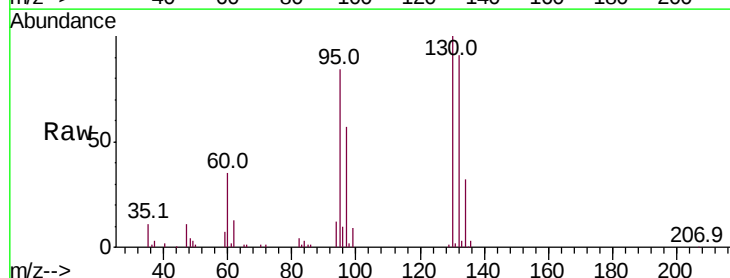
Acq: 12 Nov 2020 12:30

Tgt Ion:130 Resp: 82065

Ion Ratio Lower Upper

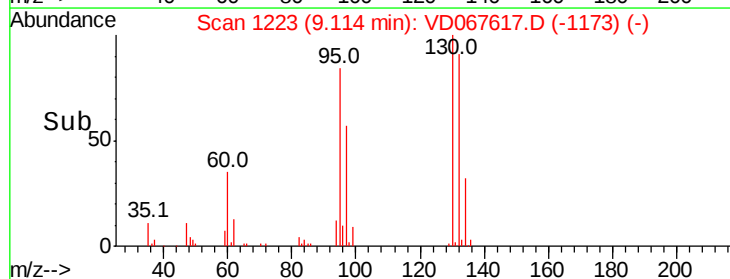
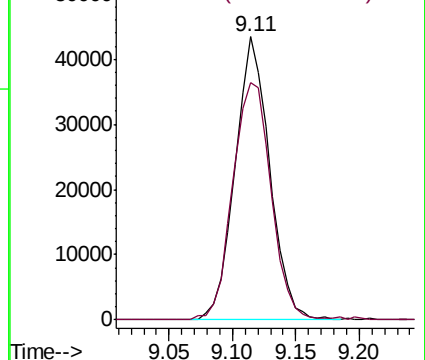
130 100

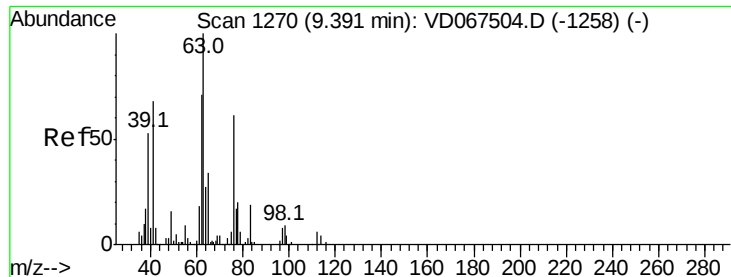
95 83.8 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.308 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

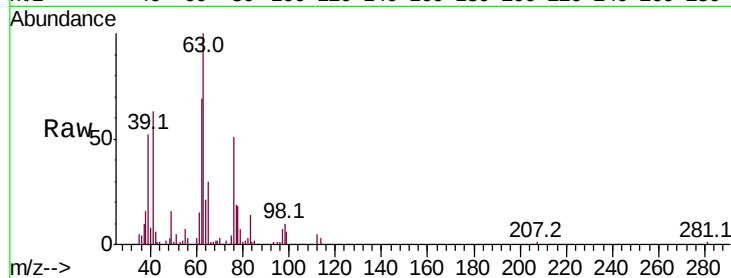
VD1112SBS01

Tot Ion: 63 Resp: 57004

Ion Ratio Lower Upper

63 100

65 30.0 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

30000

25000

20000

15000

10000

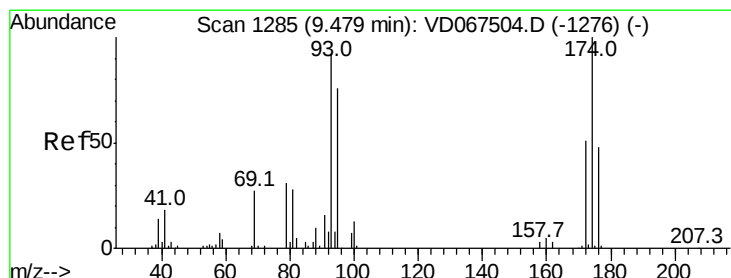
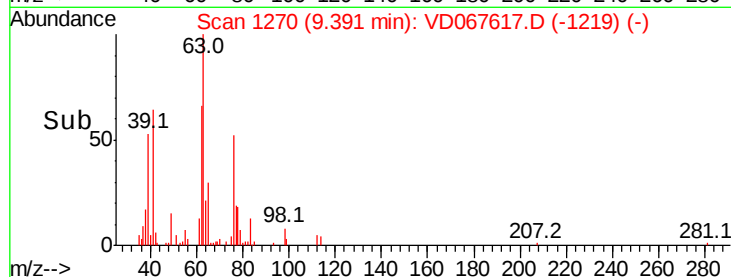
5000

0

9.30

9.40

Time-->



#46

Dibromomethane

Concen: 21.789 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

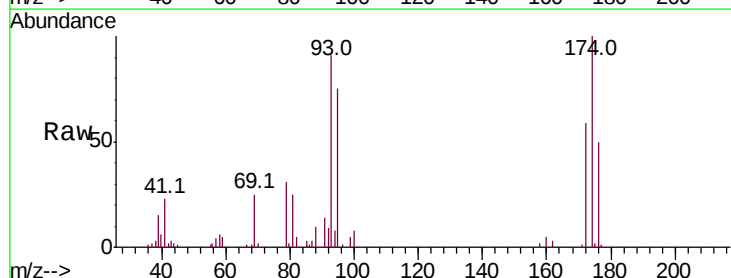
Tgt Ion: 93 Resp: 35401

Ion Ratio Lower Upper

93 100

95 82.7 66.4 99.6

174 110.5 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

25000

20000

15000

10000

5000

0

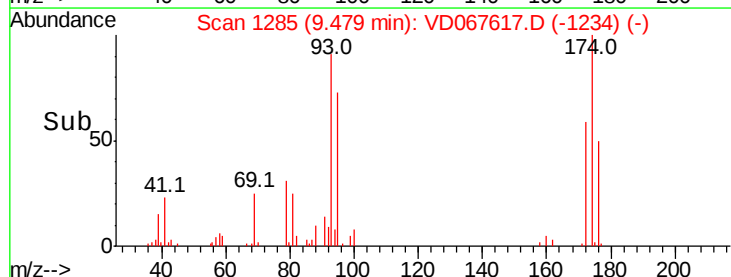
9.40

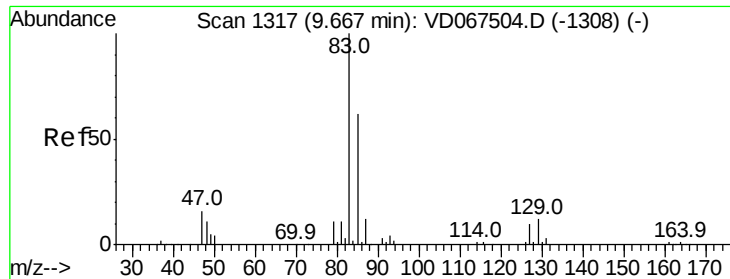
9.45

9.50

9.55

Time-->

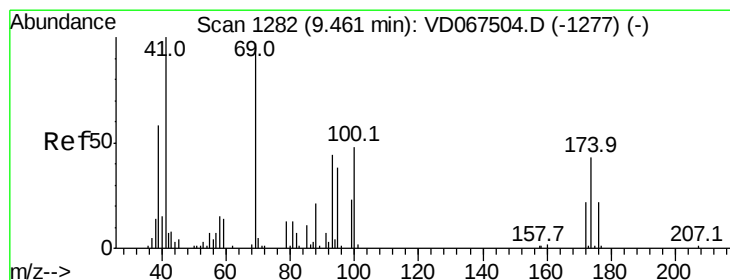
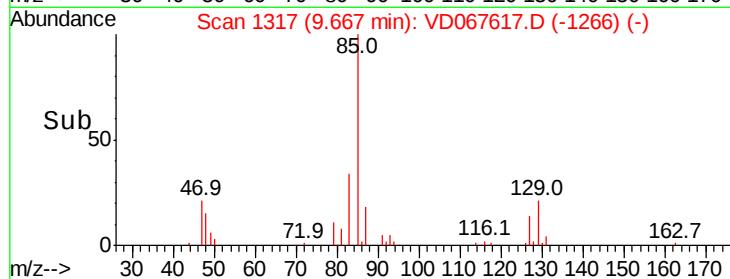
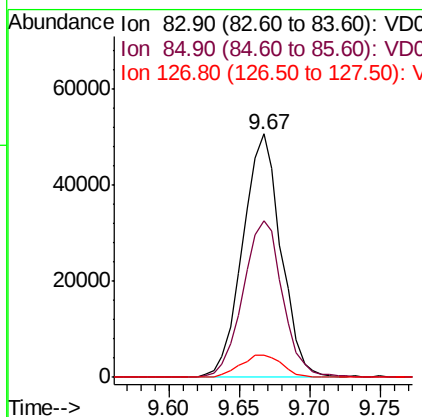
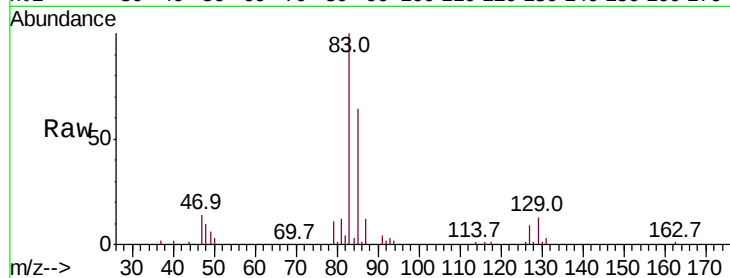




#47
Bromodichloromethane
Concen: 21.812 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

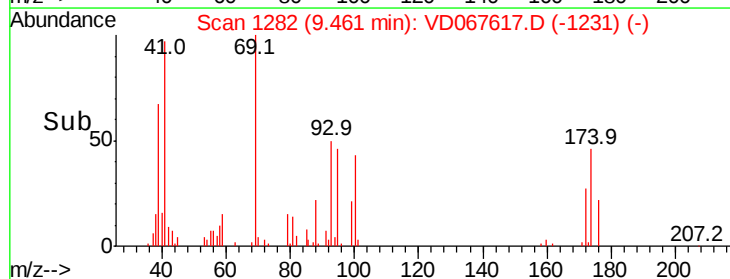
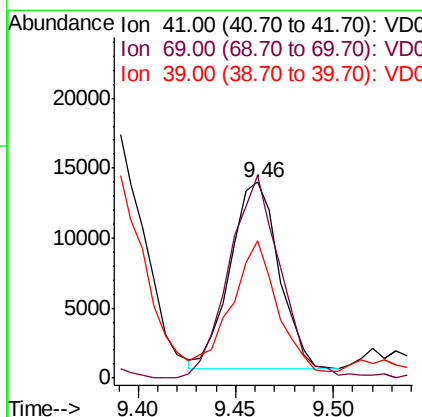
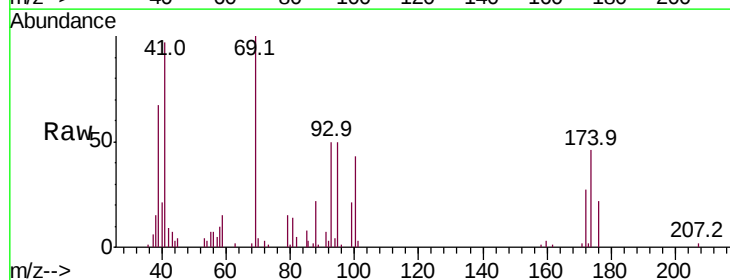
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

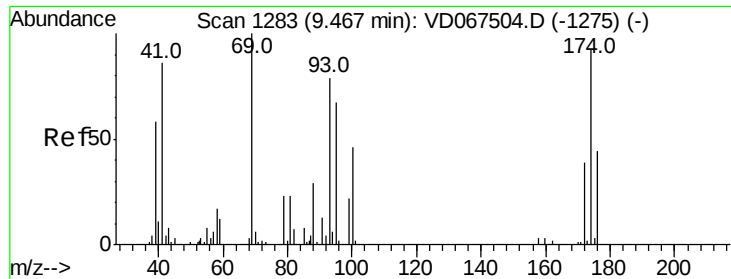
Tot Ion: 83 Resp: 96320
Ion Ratio Lower Upper
83 100
85 64.3 49.4 74.2
127 9.3 7.7 11.5



#48
Methyl methacrylate
Concen: 20.163 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 41 Resp: 23322
Ion Ratio Lower Upper
41 100
69 114.9 80.6 121.0
39 63.8 50.2 75.4





#49

1,4-Dioxane

Concen: 436.834 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

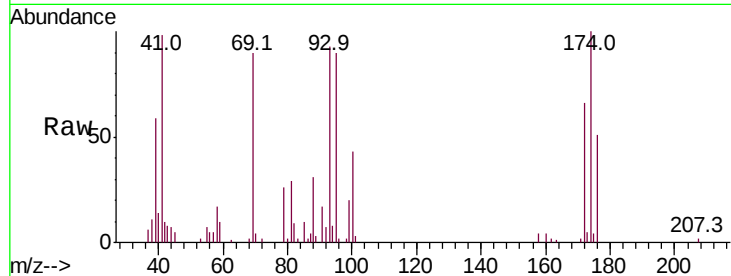
Tot Ion: 88 Resp: 7205

Ion Ratio Lower Upper

88 100

43 29.8 23.6 35.4

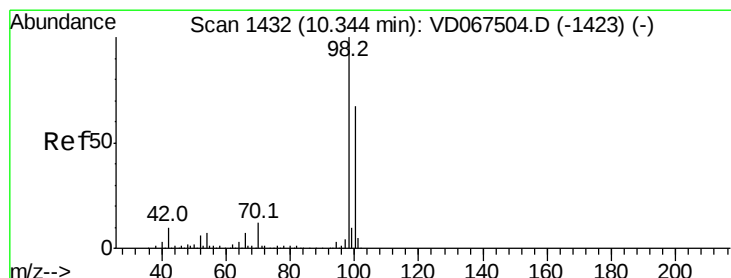
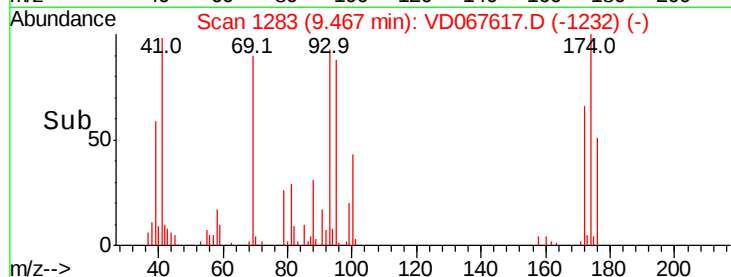
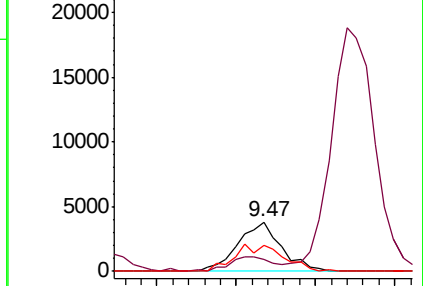
58 61.5 44.7 67.1



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: 46.406 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067617.D

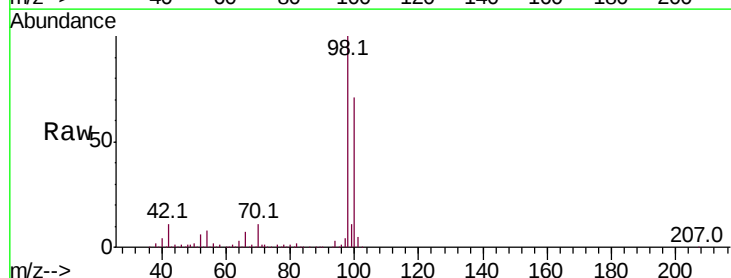
Acq: 12 Nov 2020 12:30

Tgt Ion: 98 Resp: 500834

Ion Ratio Lower Upper

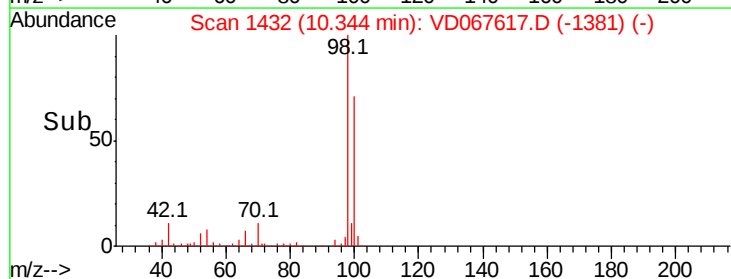
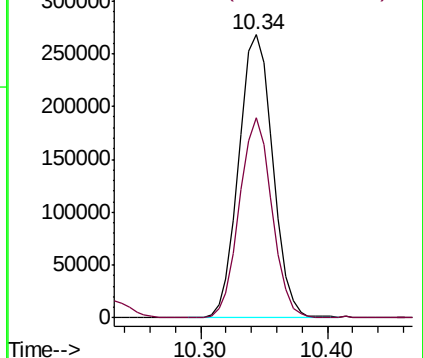
98 100

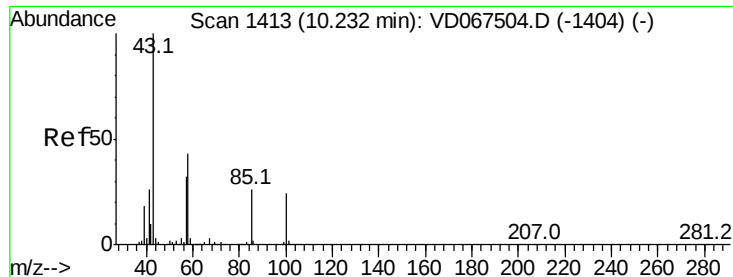
100 67.5 53.0 79.6



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: 114.101 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

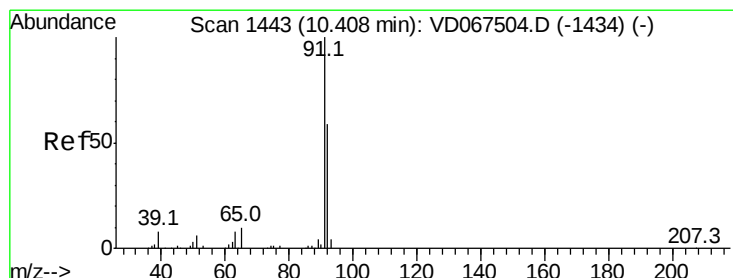
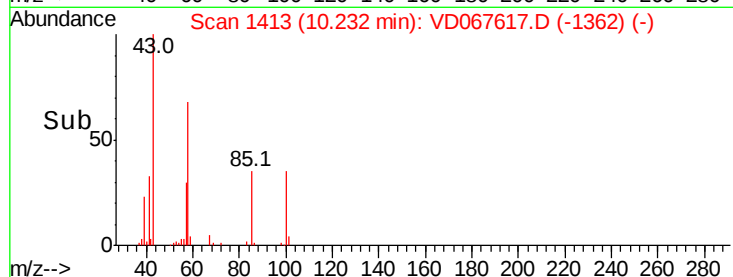
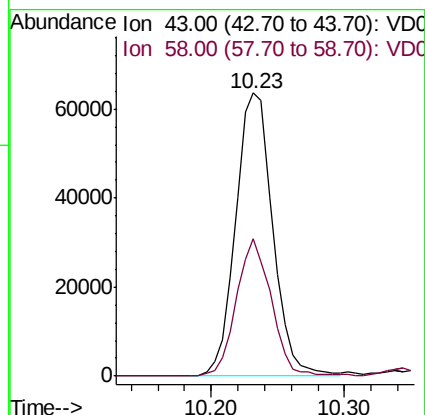
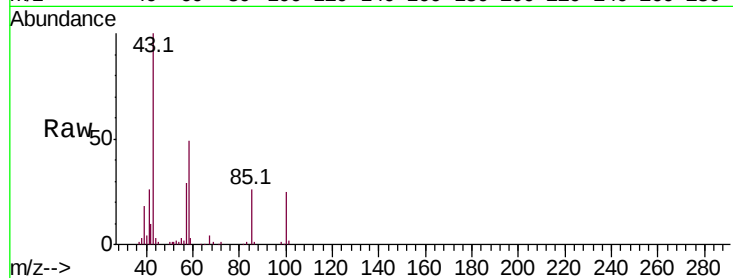
VD1112SBS01

Tot Ion: 43 Resp: 122248

Ion Ratio Lower Upper

43 100

58 45.7 35.6 53.4



#52

Toluene

Concen: 22.094 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067617.D

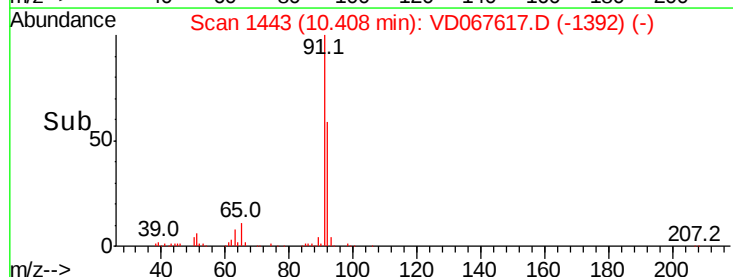
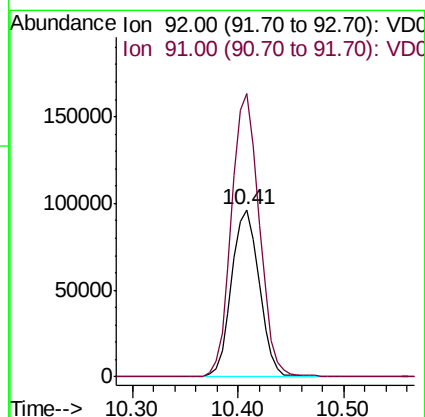
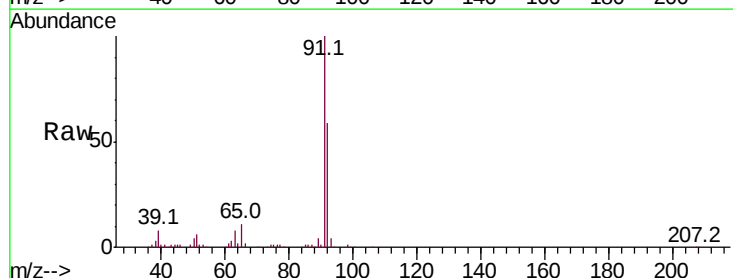
Acq: 12 Nov 2020 12:30

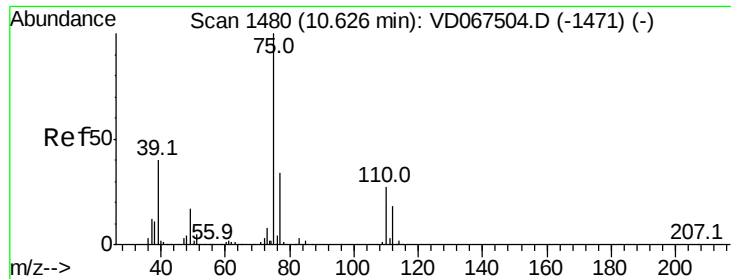
Tgt Ion: 92 Resp: 174903

Ion Ratio Lower Upper

92 100

91 170.4 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 21.817 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

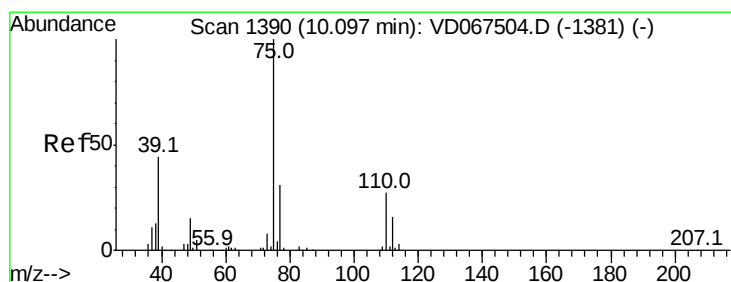
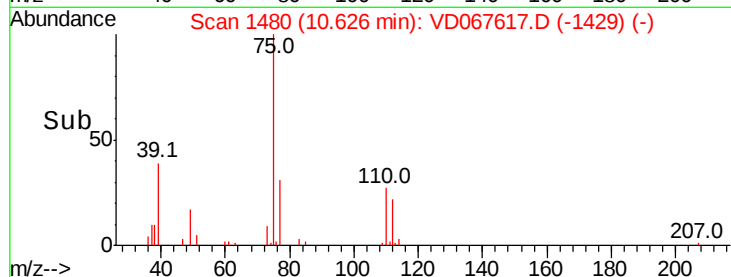
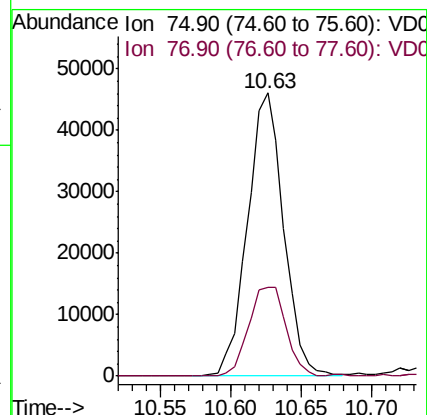
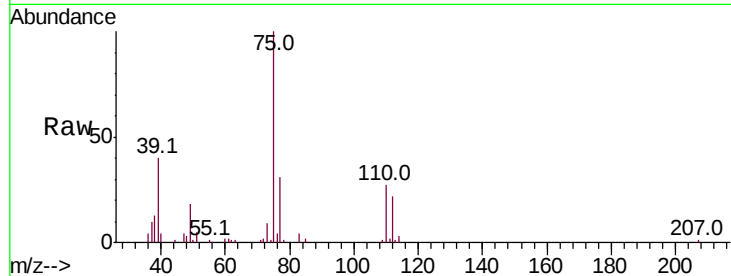
VD1112SBS01

Tot Ion: 75 Resp: 82514

Ion Ratio Lower Upper

75 100

77 31.3 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 22.144 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

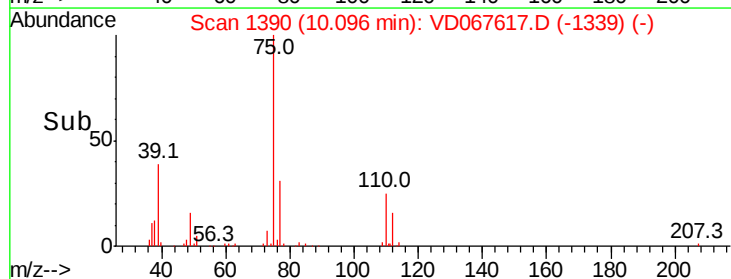
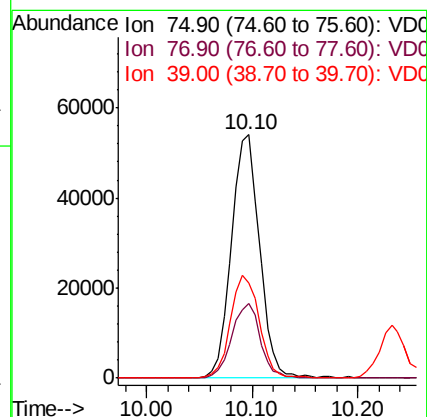
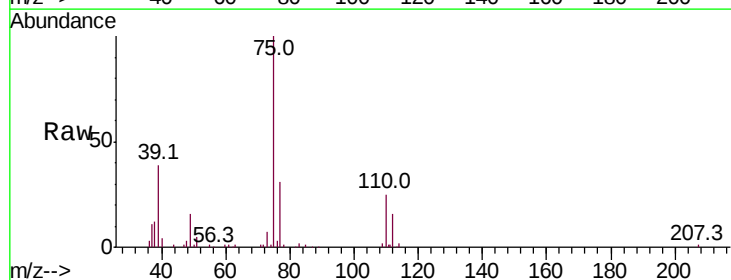
Tgt Ion: 75 Resp: 99507

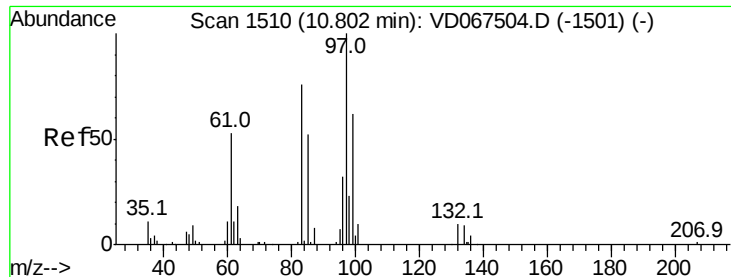
Ion Ratio Lower Upper

75 100

77 30.9 24.4 36.6

39 39.2 35.6 53.4

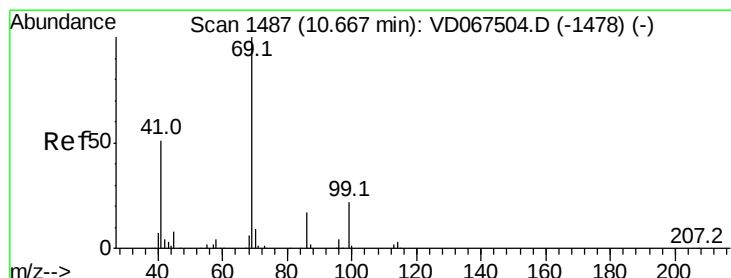
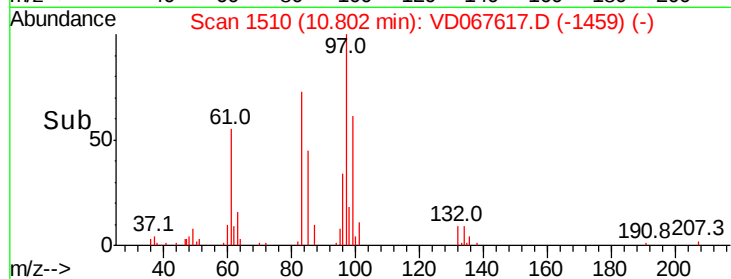
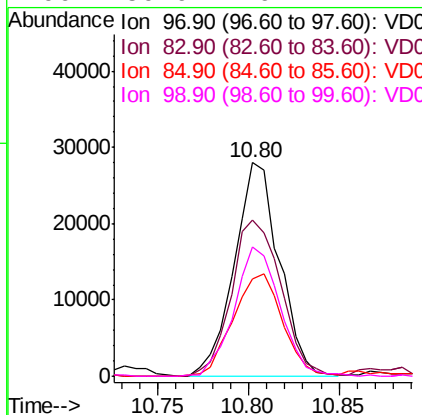
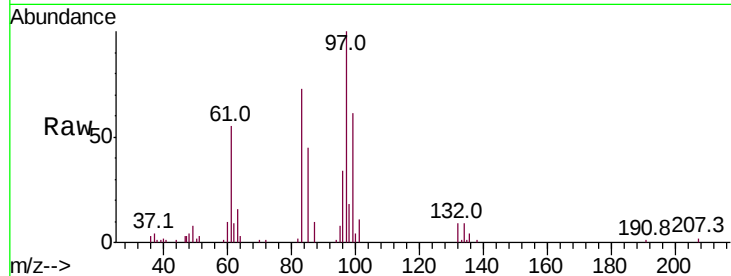




#55
 1,1,2-Trichloroethane
 Concen: 22.572 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

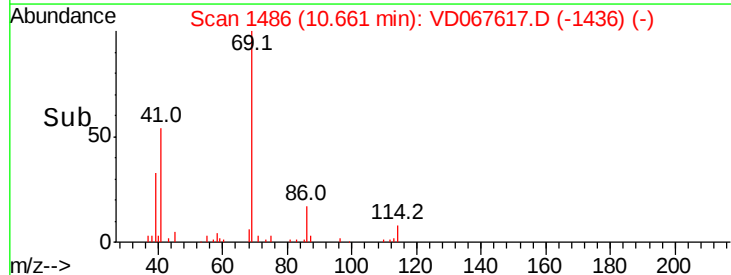
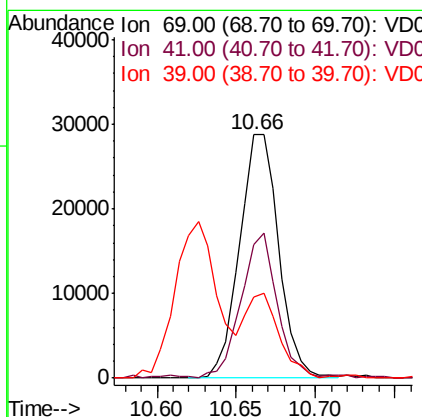
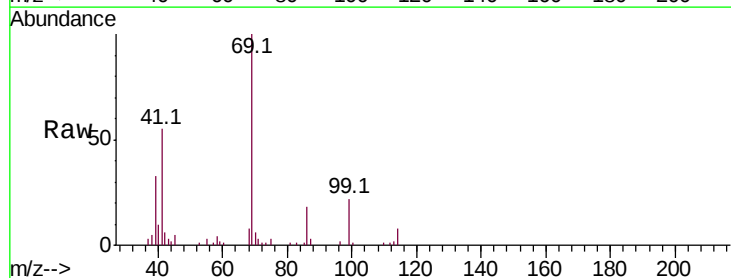
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

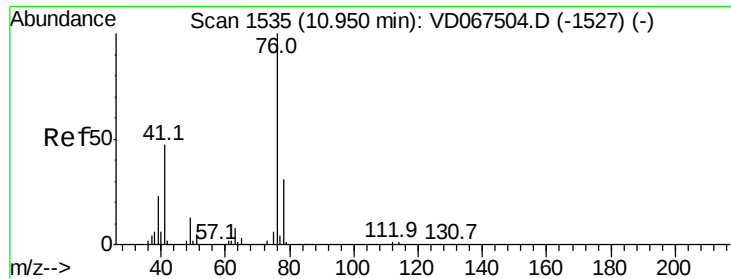
Tot Ion:	97	Resp:	48523
Ion	Ratio	Lower	Upper
97	100		
83	73.3	61.0	91.6
85	44.7	41.5	62.3
99	59.9	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 22.314 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion:	69	Resp:	49535
Ion	Ratio	Lower	Upper
69	100		
41	55.1	45.4	68.0
39	30.3	27.4	41.0





#57

1,3-Dichloropropane

Concen: 22.515 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

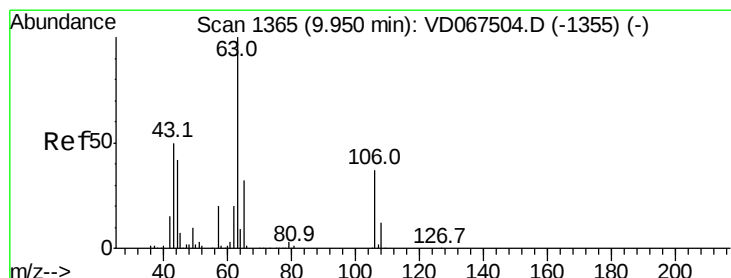
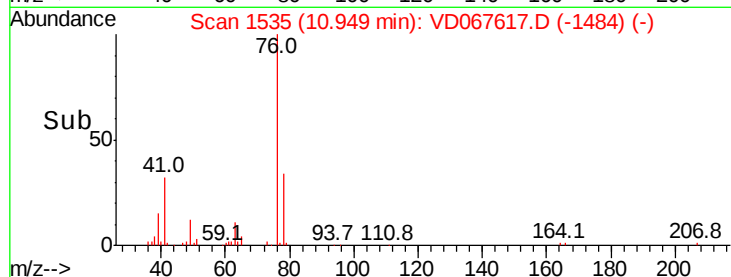
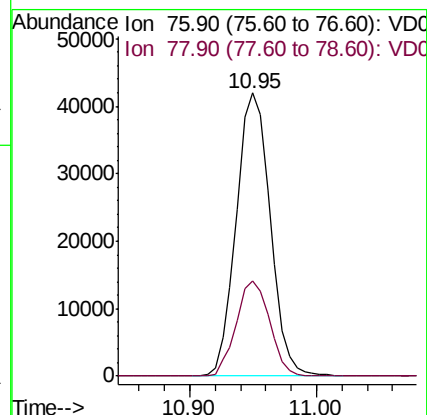
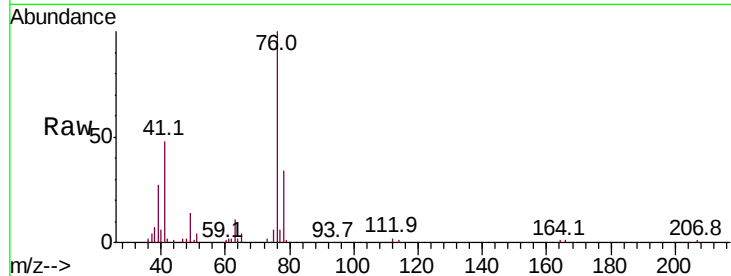
VD1112SBS01

Tot Ion: 76 Resp: 77884

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 112.087 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067617.D

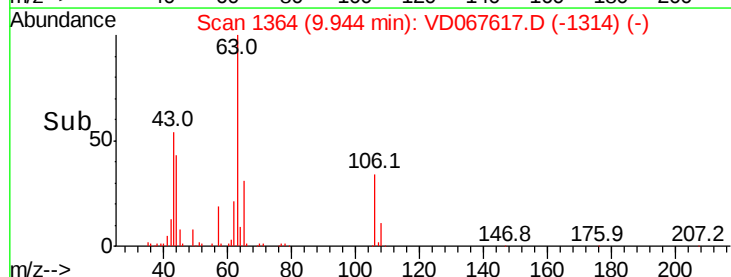
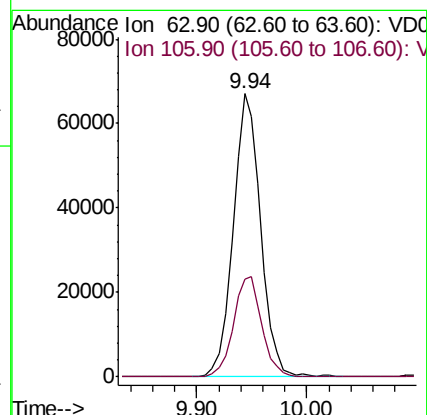
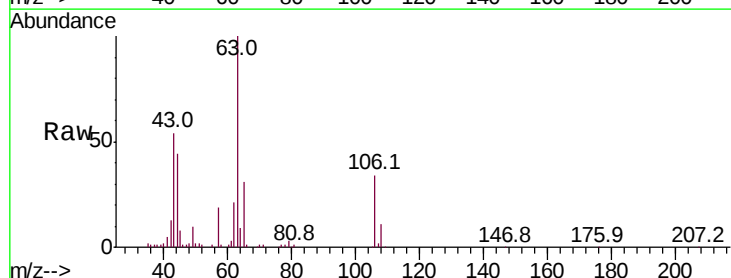
Acq: 12 Nov 2020 12:30

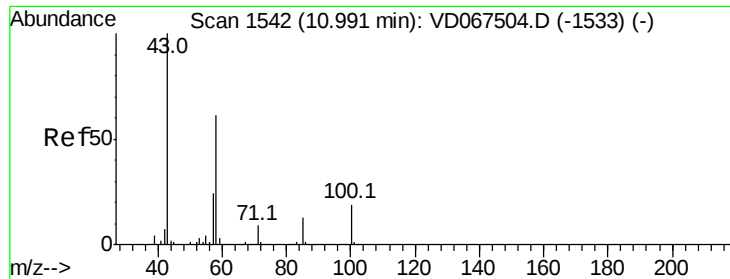
Tgt Ion: 63 Resp: 116035

Ion Ratio Lower Upper

63 100

106 36.6 29.2 43.8

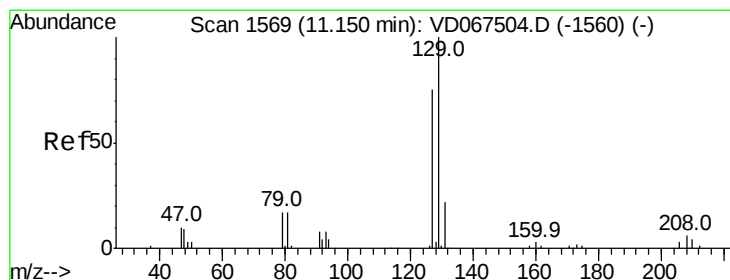
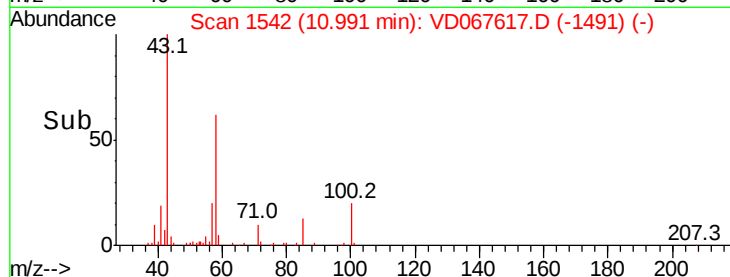
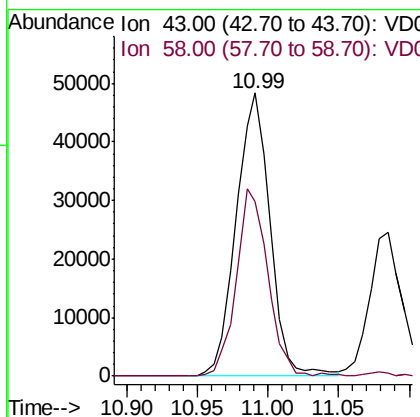
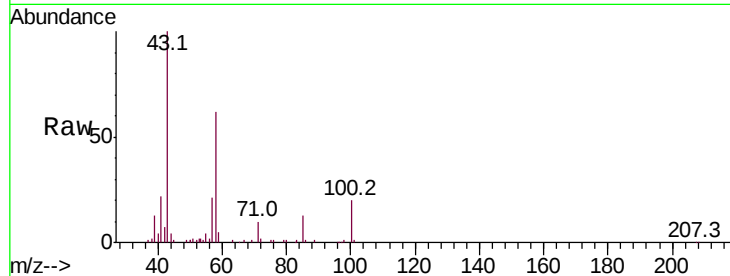




#59
2-Hexanone
Concen: 108.320 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

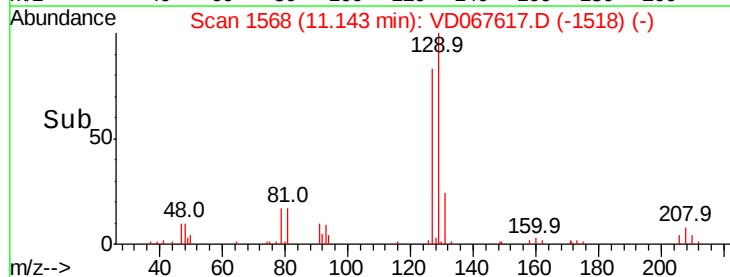
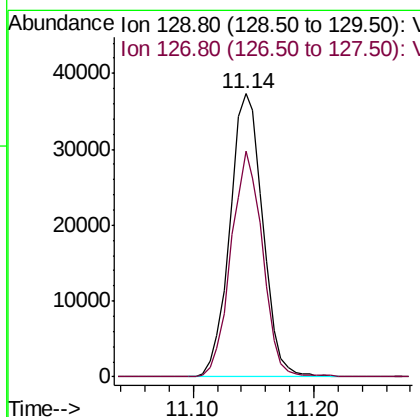
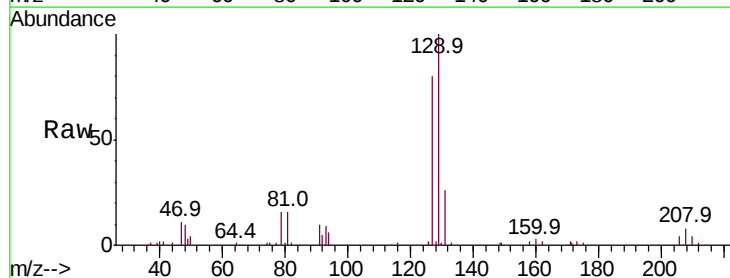
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

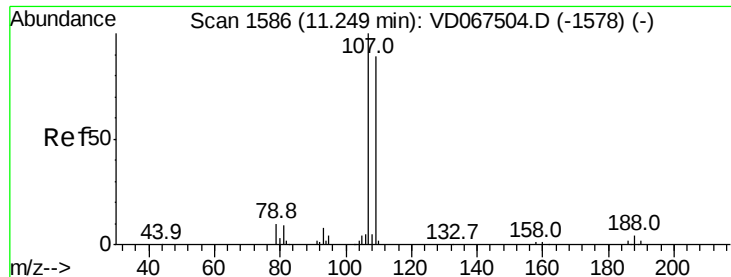
Tot Ion: 43 Resp: 81145
Ion Ratio Lower Upper
43 100
58 62.0 30.3 90.9



#60
Dibromochloromethane
Concen: 22.217 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 129 Resp: 70650
Ion Ratio Lower Upper
129 100
127 76.4 38.0 114.1

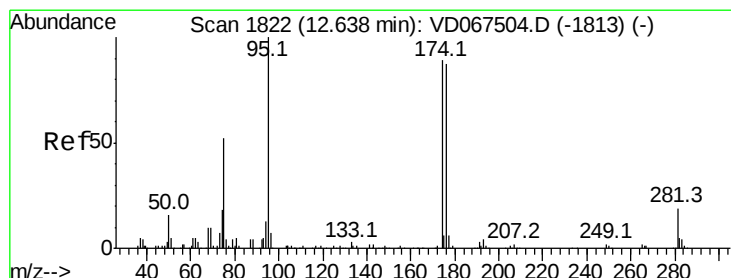
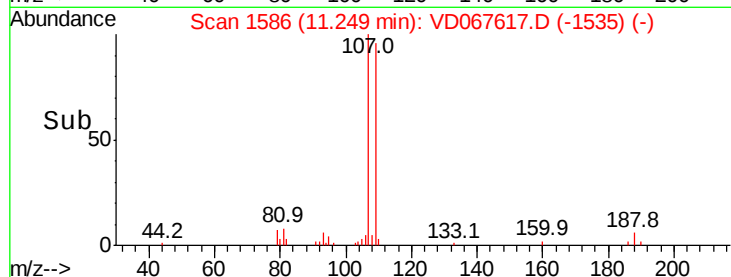
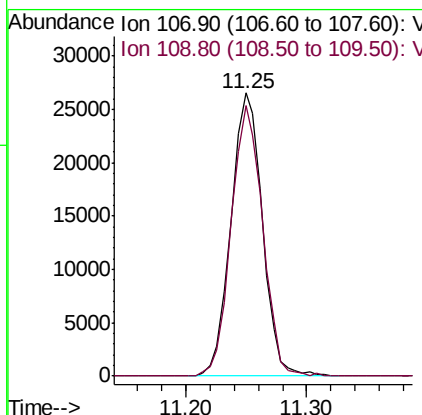
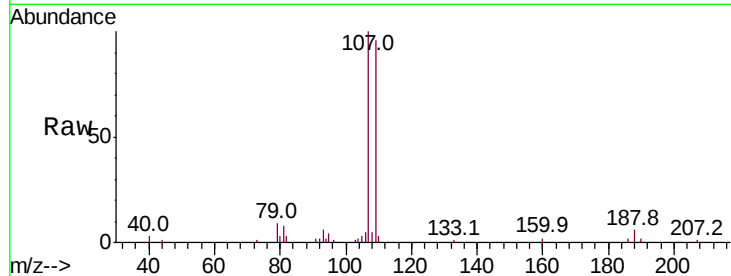




#61
 1,2-Dibromoethane
 Concen: 22.265 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

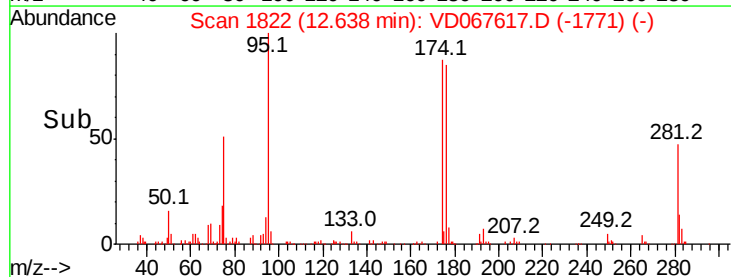
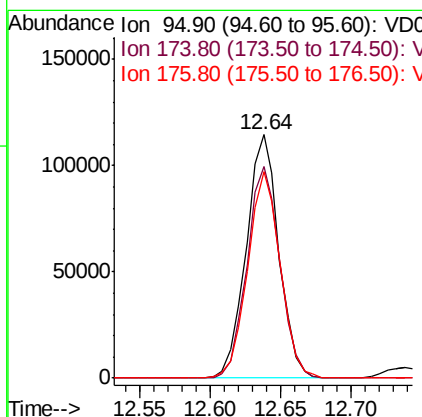
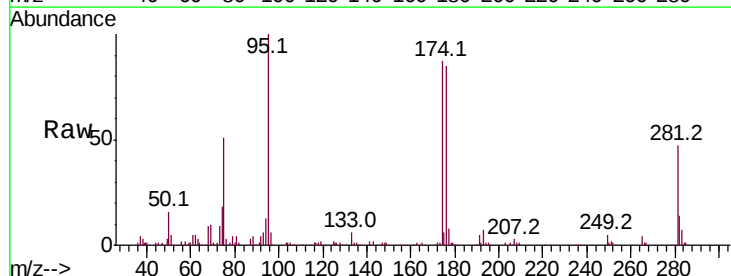
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

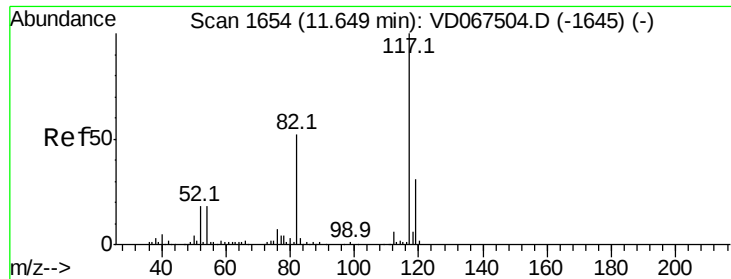
Tot Ion:107 Resp: 48038
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 49.835 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion: 95 Resp: 185687
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 177.8
 176 84.9 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

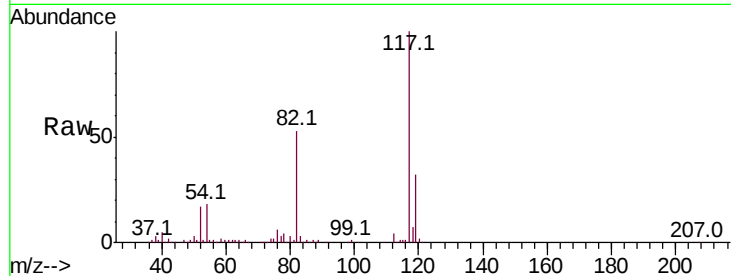
Tot Ion:117 Resp: 464119

Ion Ratio Lower Upper

117 100

82 53.0 41.6 62.4

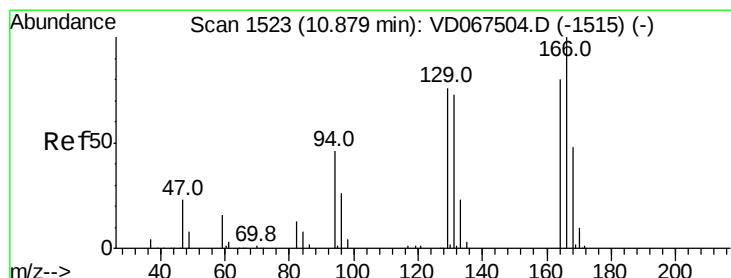
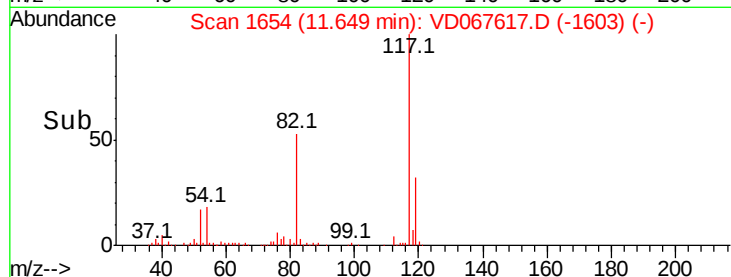
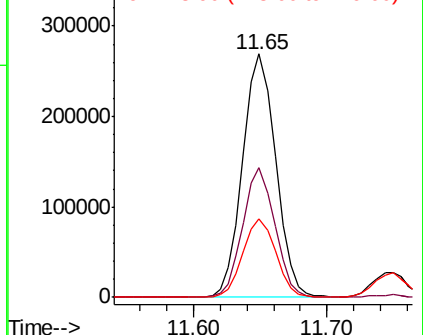
119 32.2 25.1 37.7



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: 20.958 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion:164 Resp: 72036

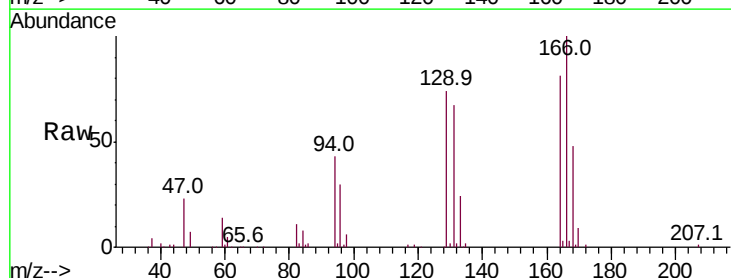
Ion Ratio Lower Upper

164 100

166 123.5 99.9 149.9

129 91.6 75.5 113.3

131 83.3 73.4 110.0

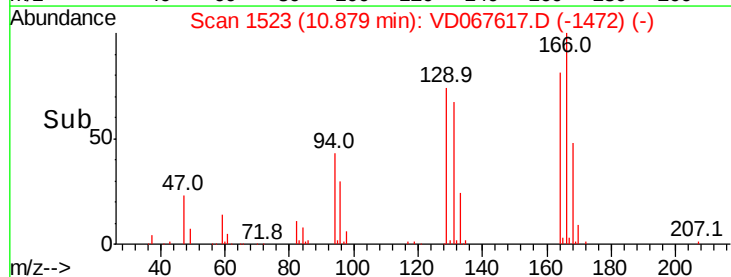
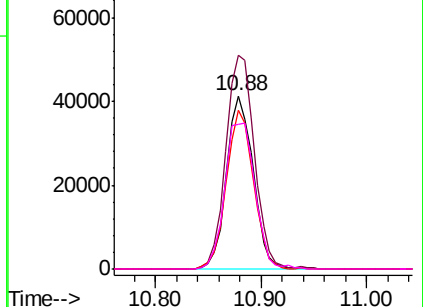


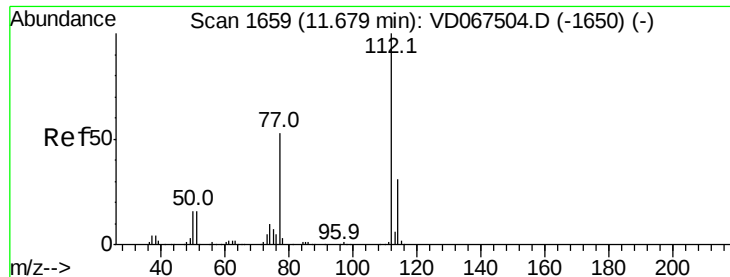
Abundance Ion 163.80 (163.50 to 164.50): V

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: 21.438 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

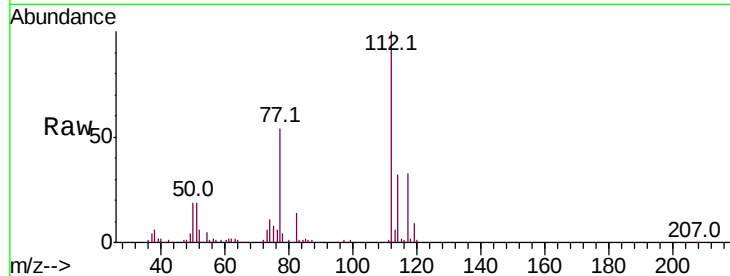
VD1112SBS01

Tot Ion:112 Resp: 191662

Ion Ratio Lower Upper

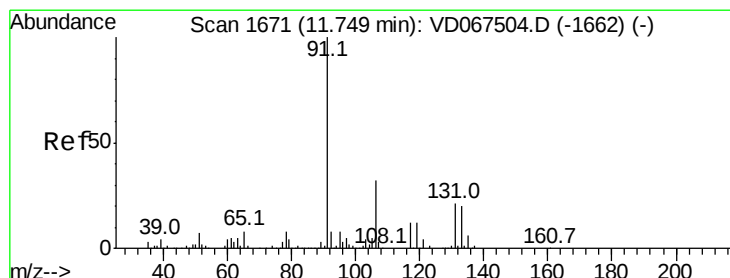
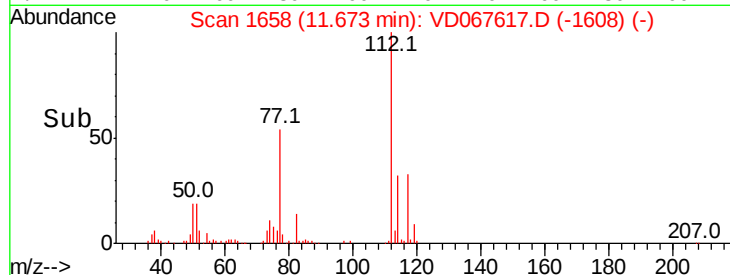
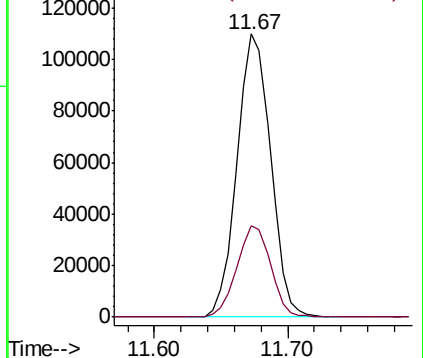
112 100

114 32.2 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.191 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

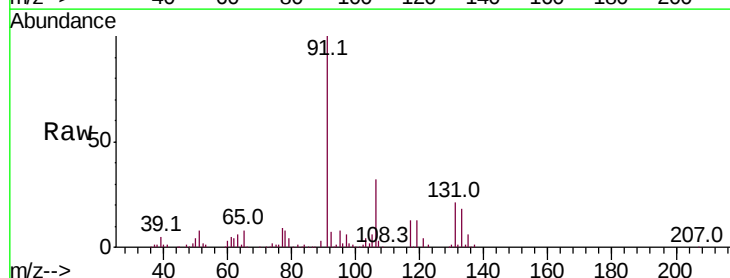
Tgt Ion:131 Resp: 78194

Ion Ratio Lower Upper

131 100

133 92.5 48.0 144.0

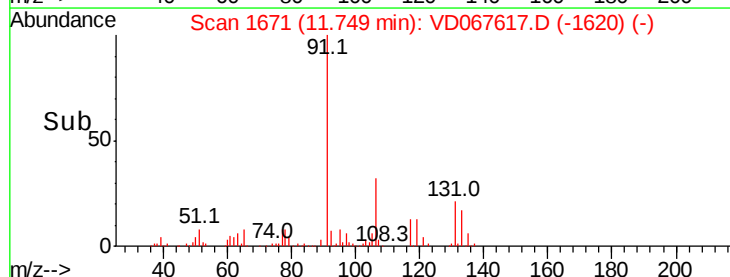
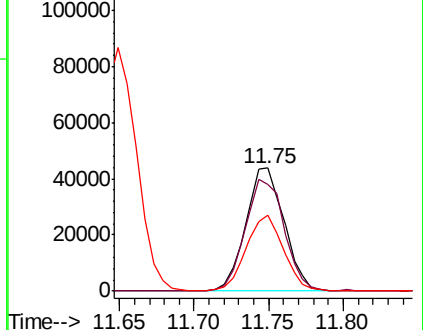
119 60.1 30.1 90.5

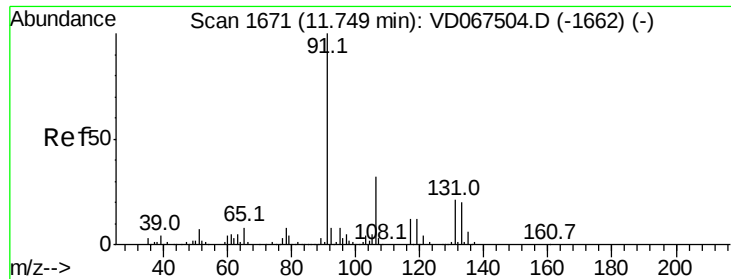


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.835 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

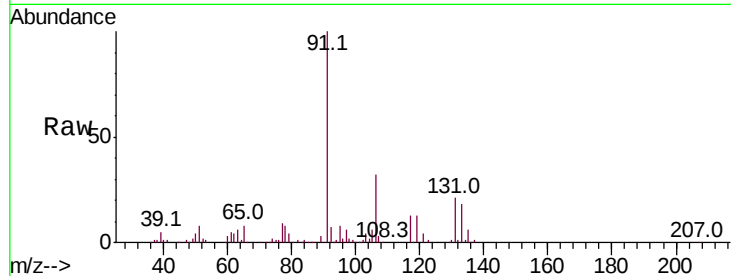
VD1112SBS01

Tot Ion: 91 Resp: 334043

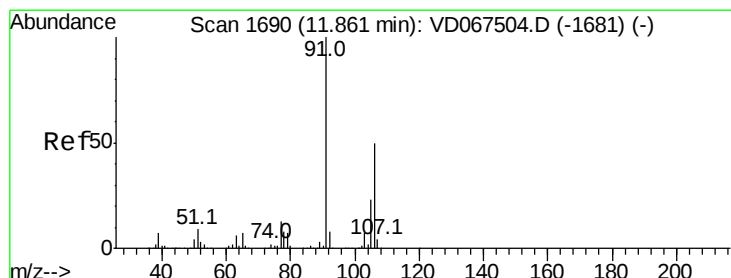
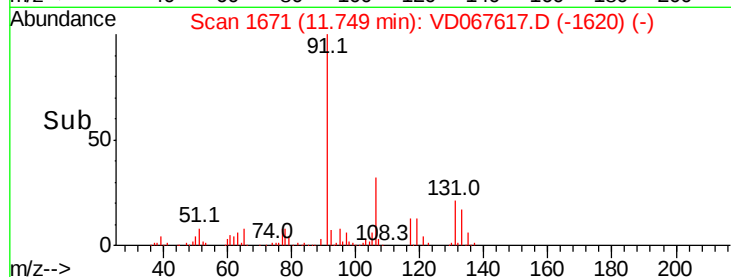
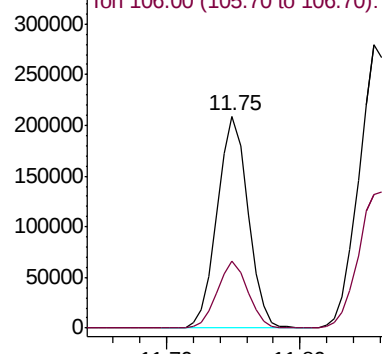
Ion Ratio Lower Upper

91 100

106 31.6 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 44.092 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067617.D

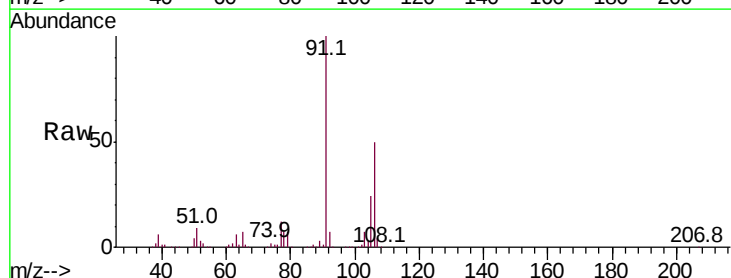
Acq: 12 Nov 2020 12:30

Tgt Ion: 106 Resp: 262426

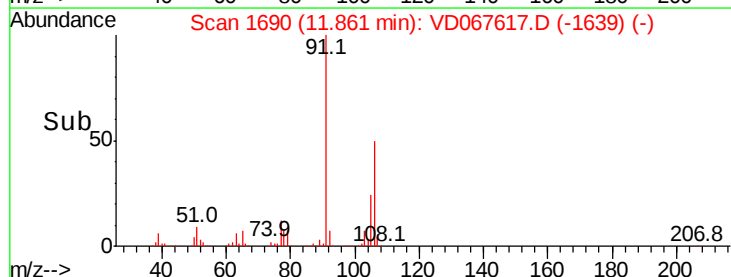
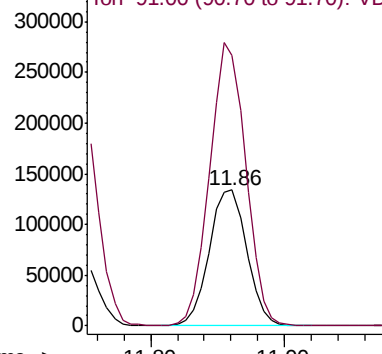
Ion Ratio Lower Upper

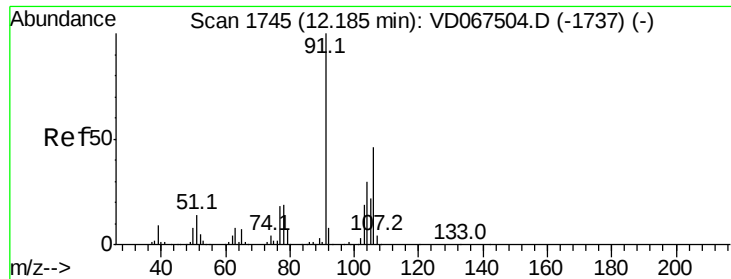
106 100

91 199.5 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): V

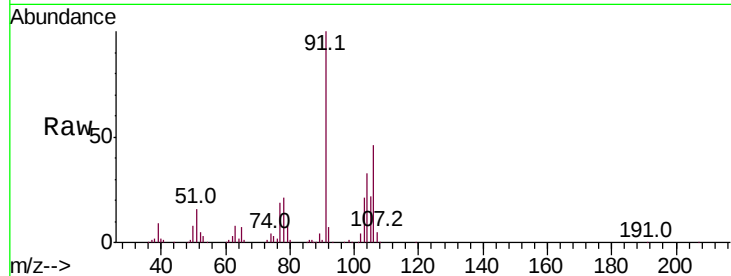




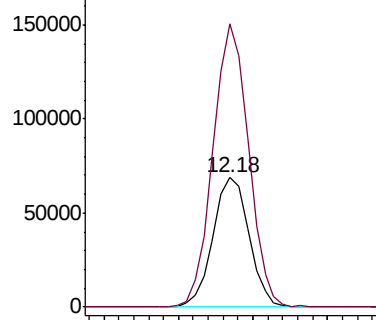
#69
o-Xylene
Concen: 21.784 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

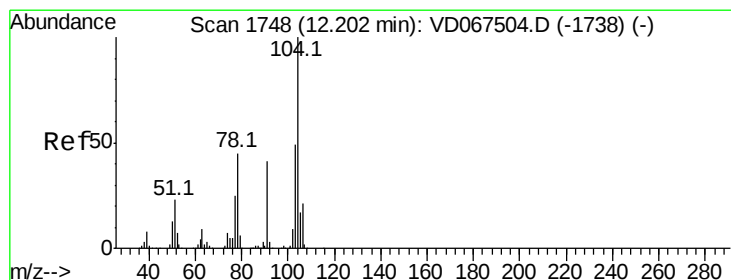
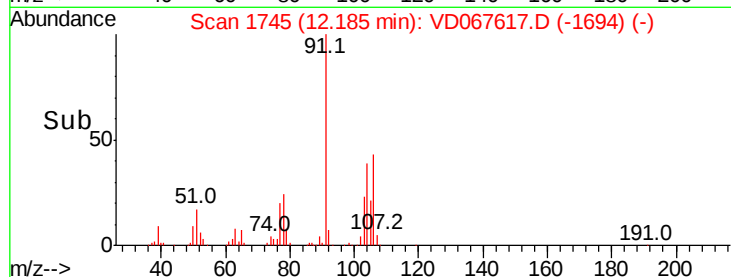
Tot Ion:106 Resp: 115756
Ion Ratio Lower Upper
106 100
91 215.1 107.1 321.1



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

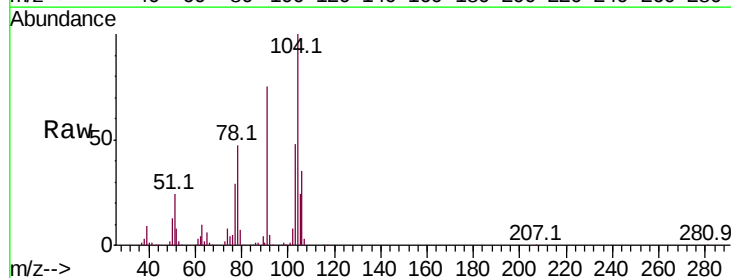


Time--> 12.10 12.15 12.20 12.25

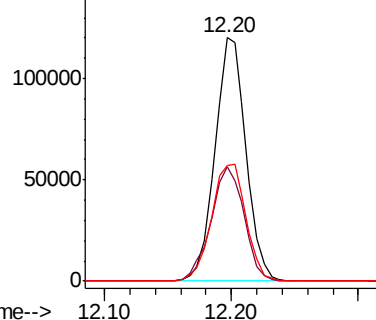


#70
Styrene
Concen: 21.995 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

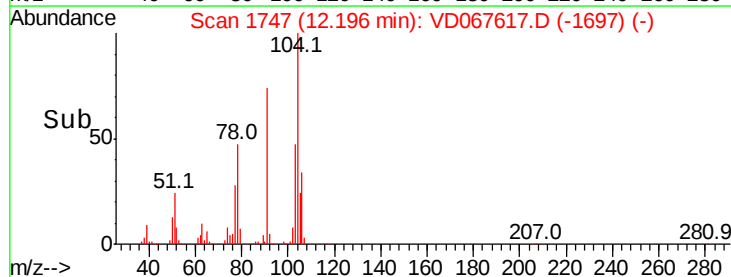
Tgt Ion:104 Resp: 203667
Ion Ratio Lower Upper
104 100
78 50.2 39.8 59.8
103 53.4 43.9 65.9

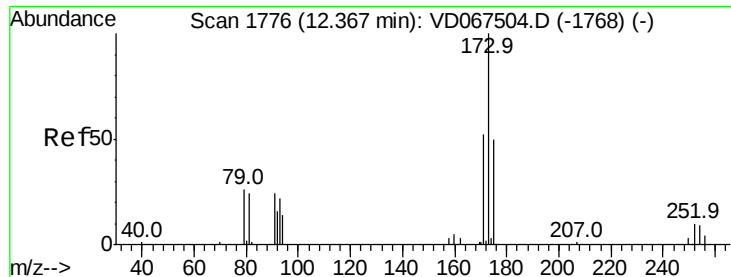


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20





#71

Bromoform

Concen: 21.979 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

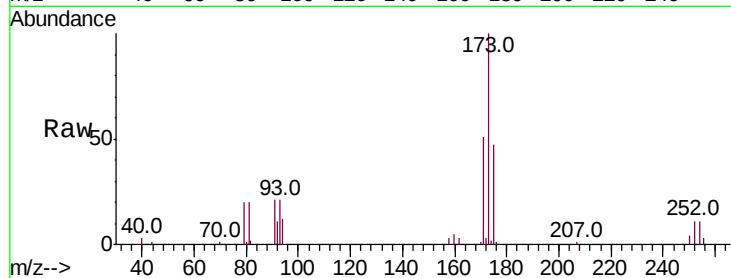
Tot Ion:173 Resp: 39498

Ion Ratio Lower Upper

173 100

175 49.9 24.1 72.2

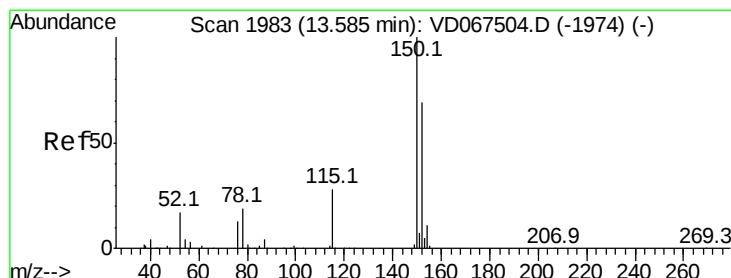
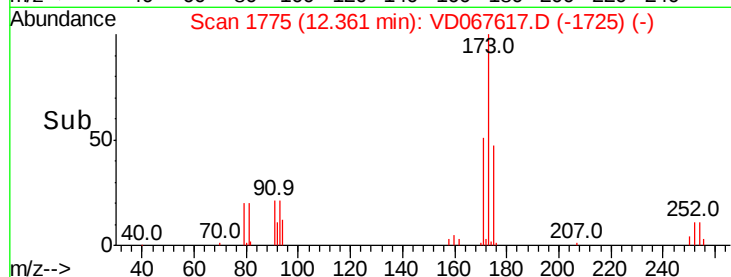
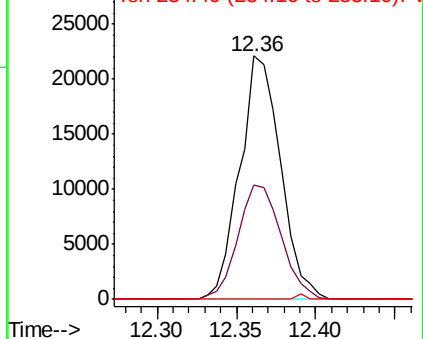
254 0.0 0.0 0.0



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: VD067617.D

Acq: 12 Nov 2020 12:30

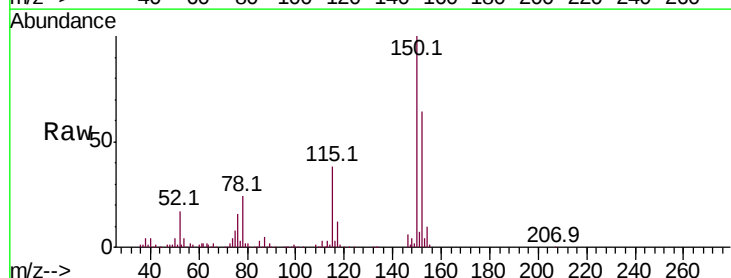
Tgt Ion:152 Resp: 233376

Ion Ratio Lower Upper

152 100

115 58.2 29.3 88.0

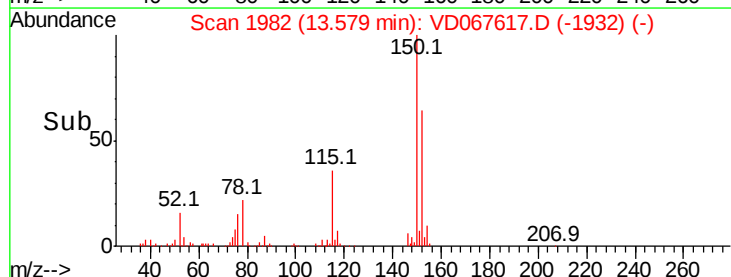
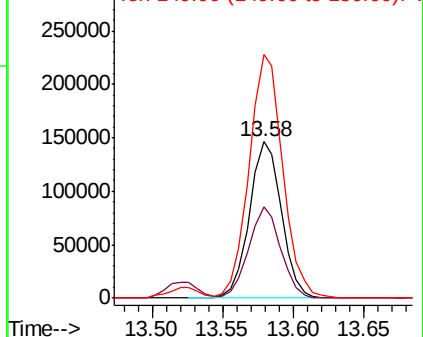
150 163.8 0.0 338.2

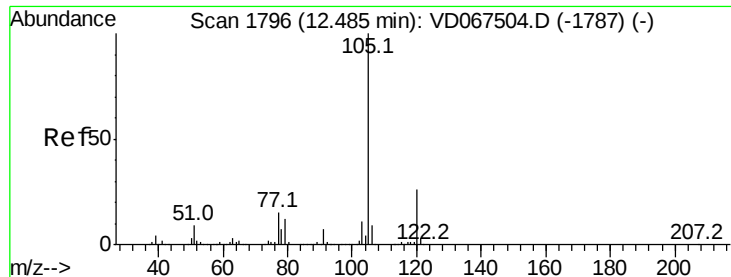


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.754 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

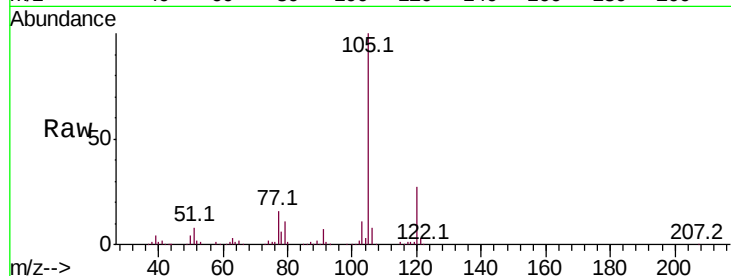
VD1112SBS01

Tot Ion:105 Resp: 328111

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

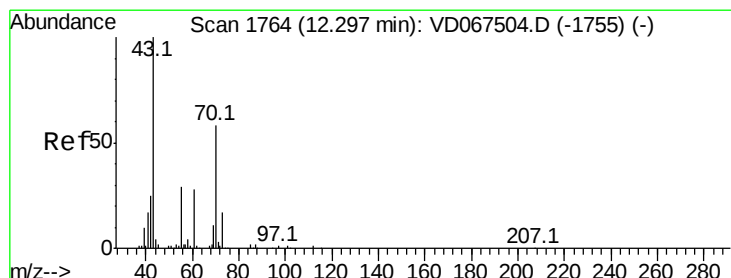
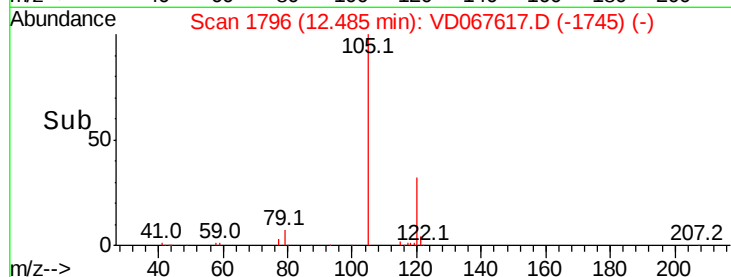
150000

100000

50000

0

Time--> 12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 21.517 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion: 43 Resp: 42704

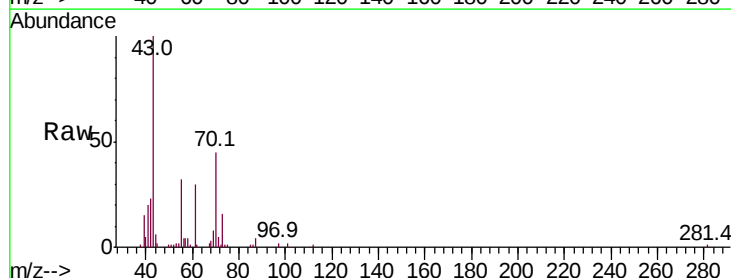
Ion Ratio Lower Upper

43 100

70 52.6 42.6 64.0

55 33.1 23.7 35.5

61 30.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

40000

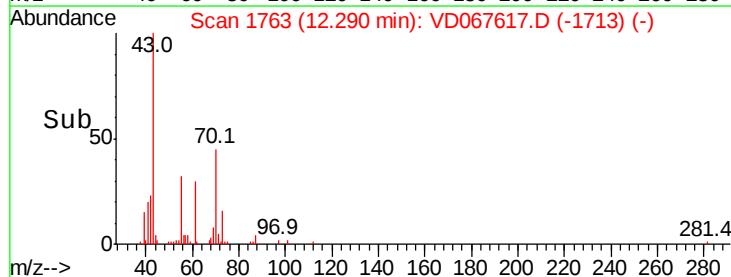
30000

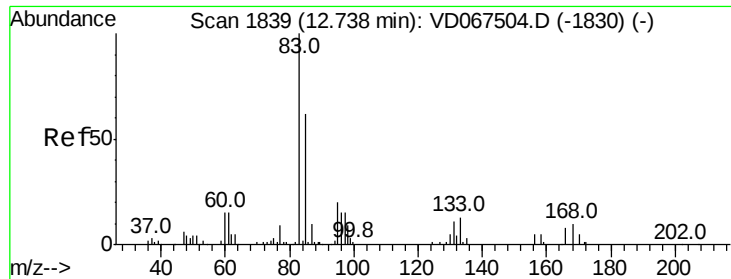
20000

10000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 23.040 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

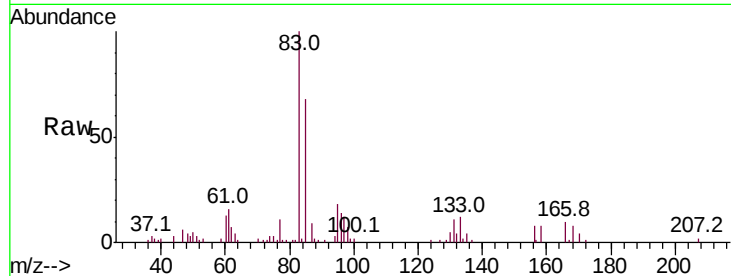
Tot Ion: 83 Resp: 47386

Ion Ratio Lower Upper

83 100

131 13.7 7.1 21.3

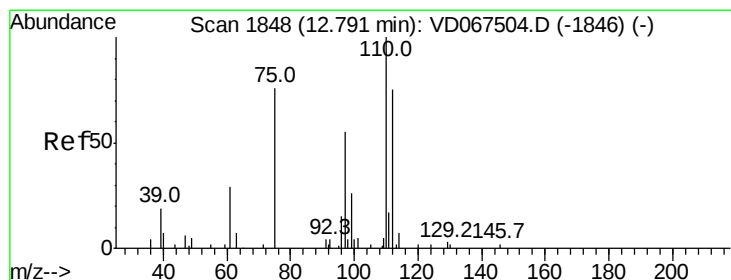
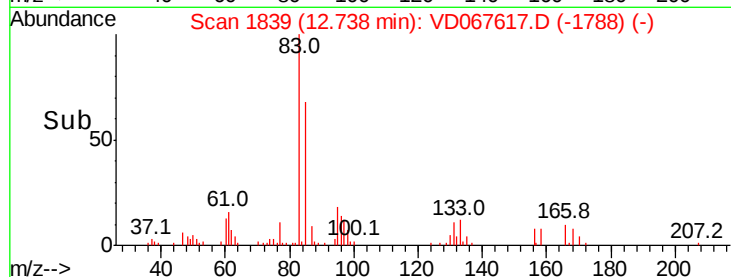
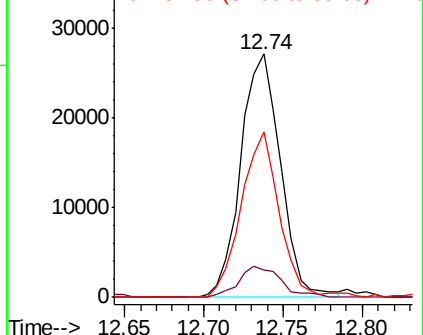
85 64.4 32.9 98.7



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: 44.885 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067617.D

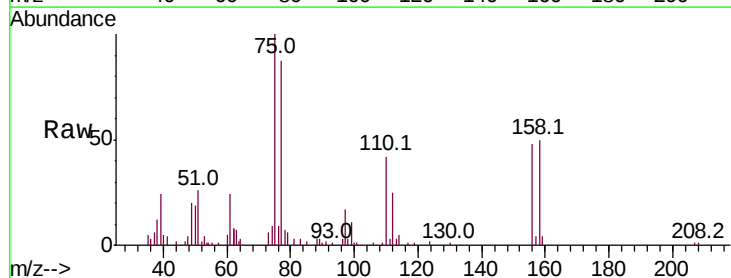
Acq: 12 Nov 2020 12:30

Tgt Ion: 75 Resp: 63191

Ion Ratio Lower Upper

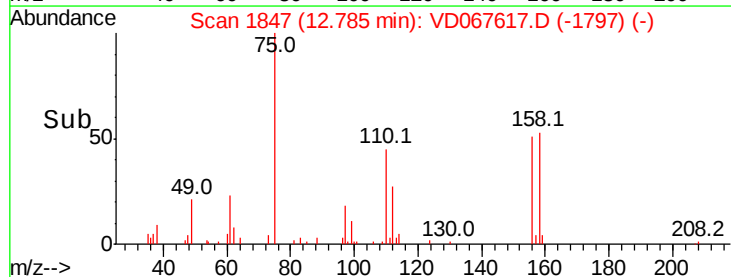
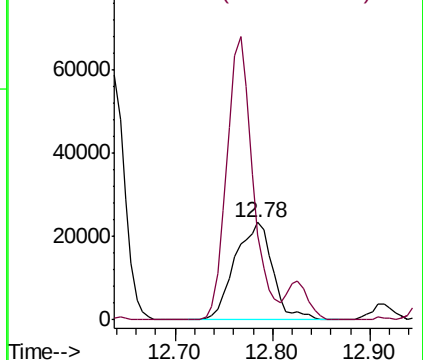
75 100

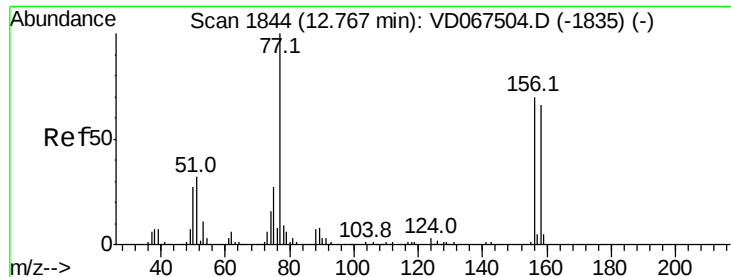
77 200.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.220 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

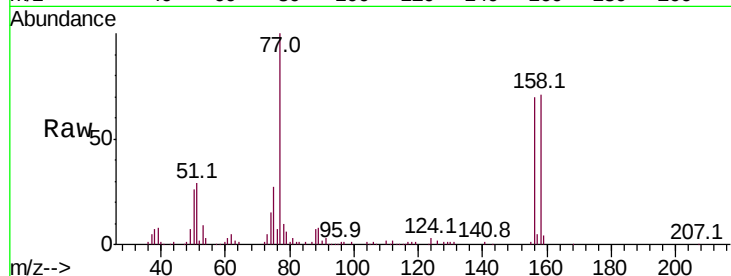
Tot Ion:156 Resp: 82305

Ion Ratio Lower Upper

156 100

77 154.0 77.8 233.5

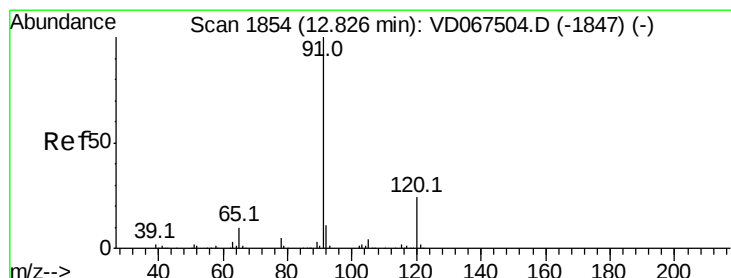
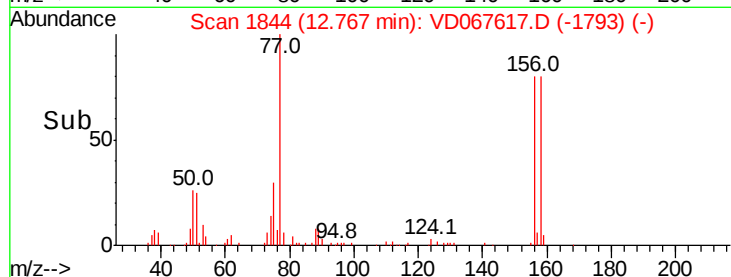
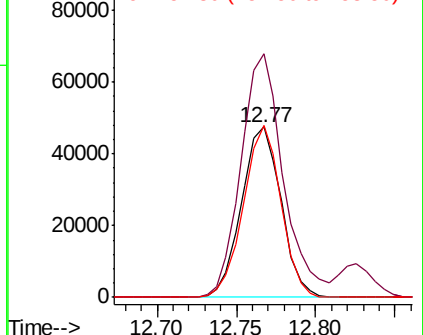
158 95.9 47.9 143.7



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: 21.795 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067617.D

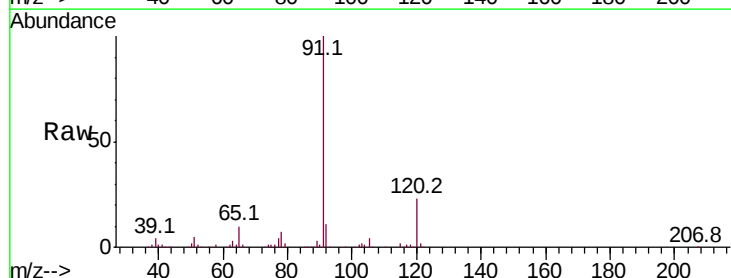
Acq: 12 Nov 2020 12:30

Tgt Ion: 91 Resp: 376015

Ion Ratio Lower Upper

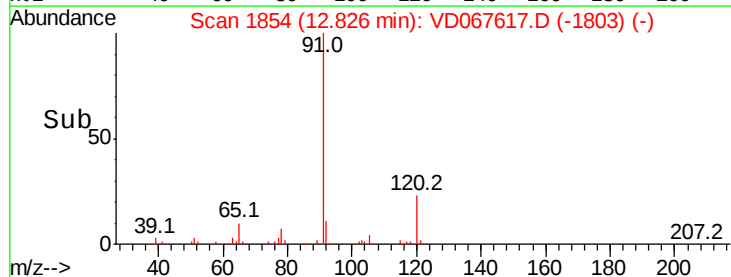
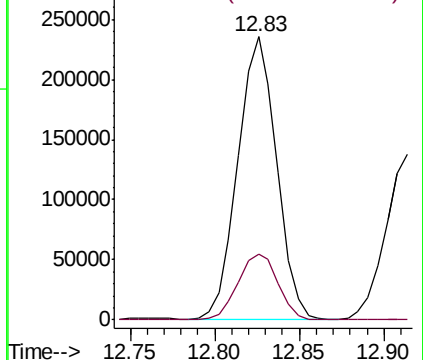
91 100

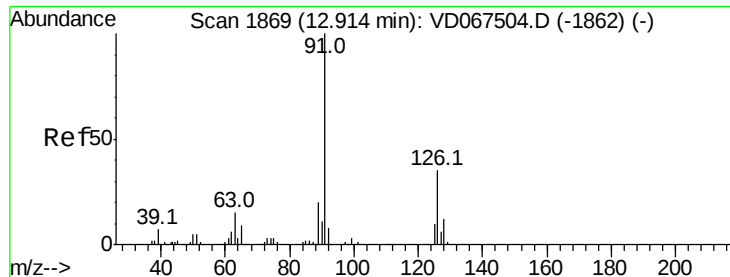
120 24.0 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.187 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

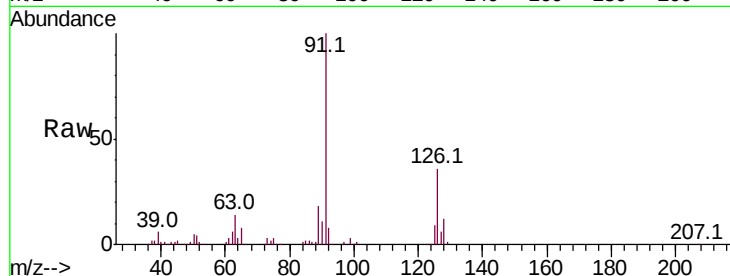
VD1112SBS01

Tot Ion: 91 Resp: 217434

Ion Ratio Lower Upper

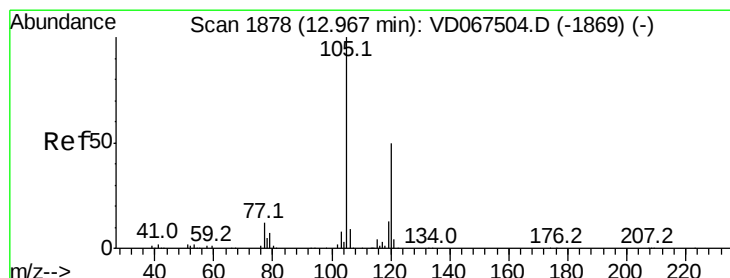
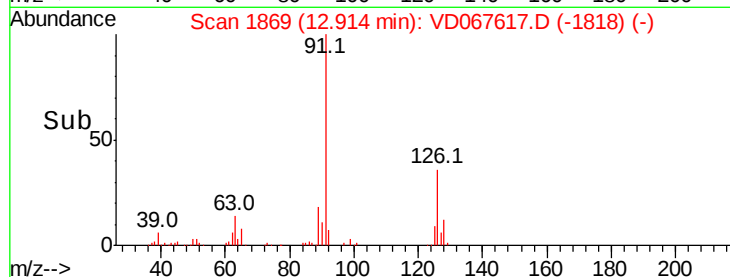
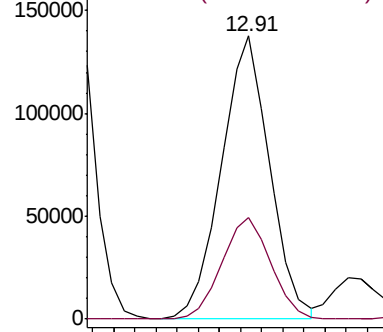
91 100

126 36.5 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.149 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067617.D

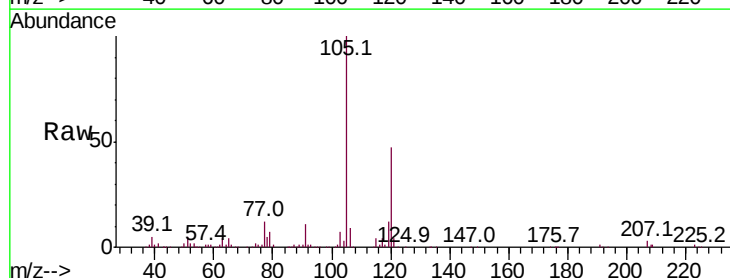
Acq: 12 Nov 2020 12:30

Tgt Ion:105 Resp: 285376

Ion Ratio Lower Upper

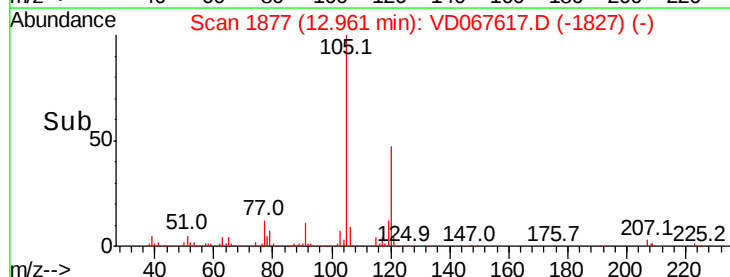
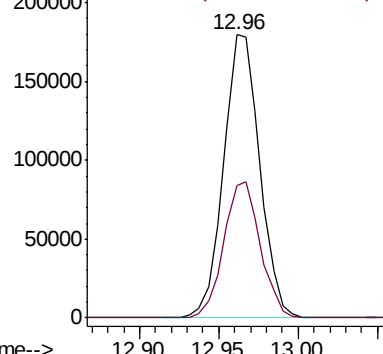
105 100

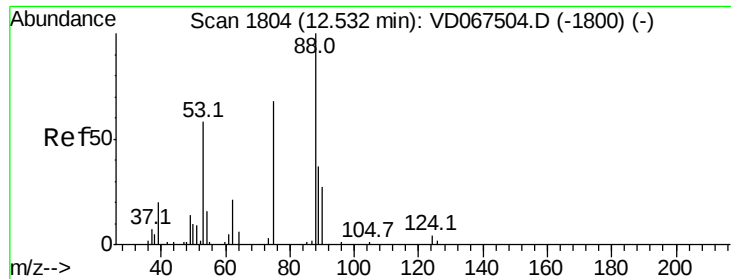
120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.644 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

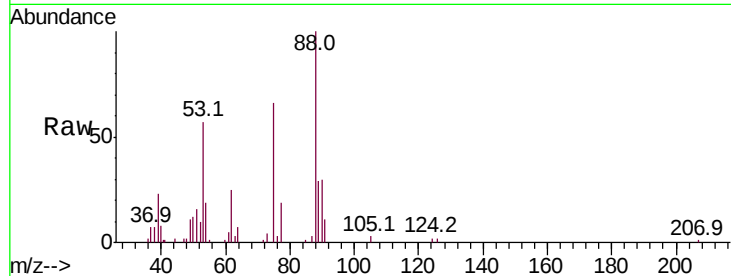
Tot Ion: 75 Resp: 14315

Ion Ratio Lower Upper

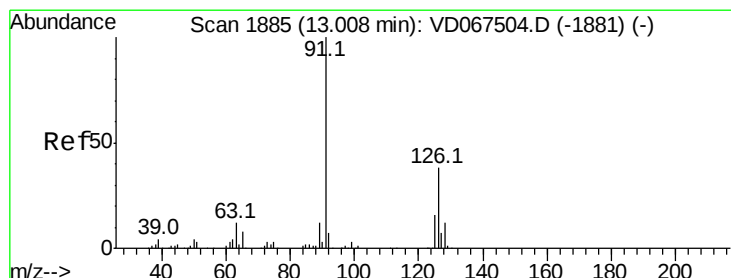
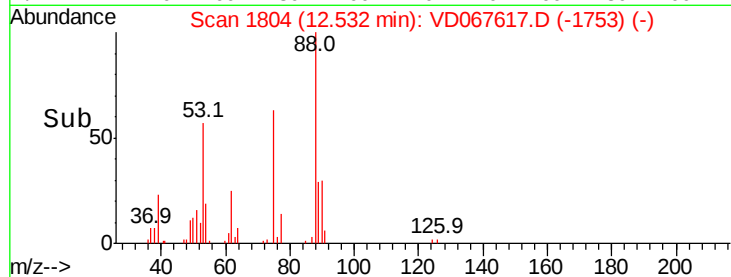
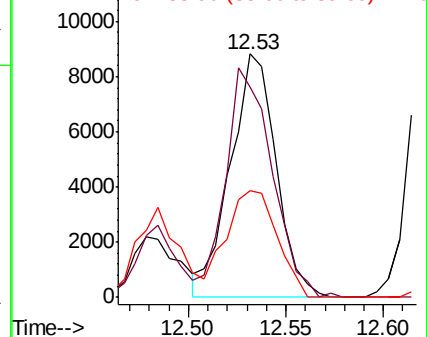
75 100

53 96.0 75.9 113.9

89 49.1 44.6 67.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 22.344 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067617.D

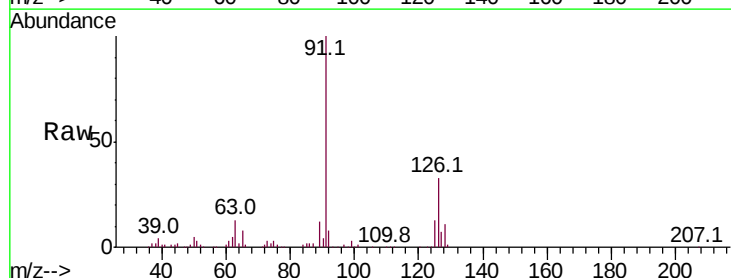
Acq: 12 Nov 2020 12:30

Tgt Ion: 91 Resp: 234844

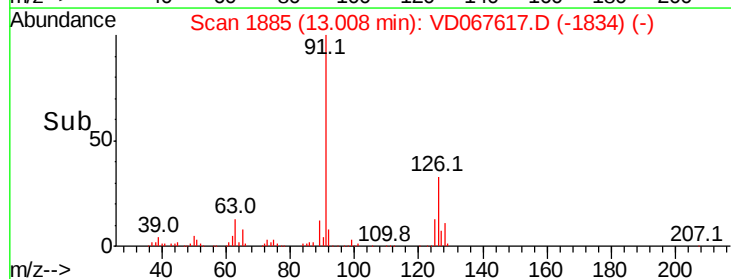
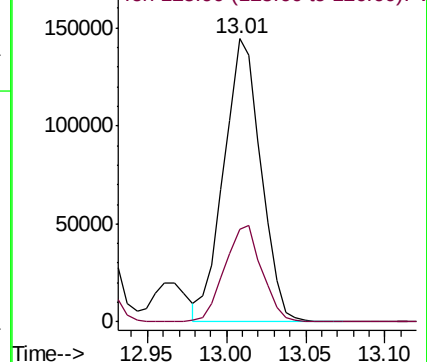
Ion Ratio Lower Upper

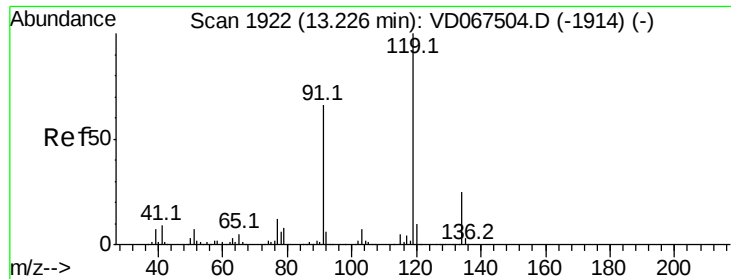
91 100

126 34.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

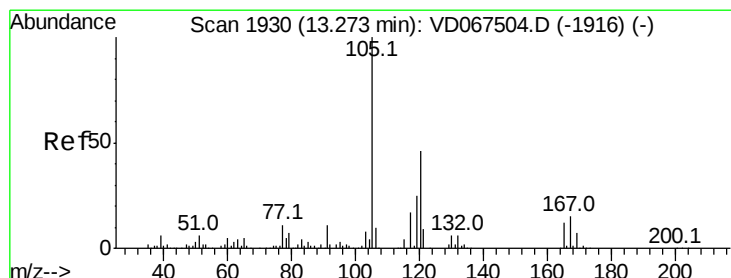
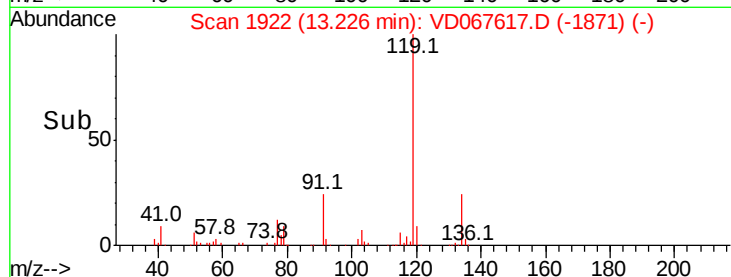
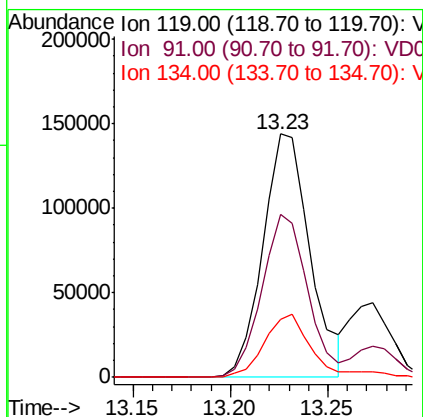
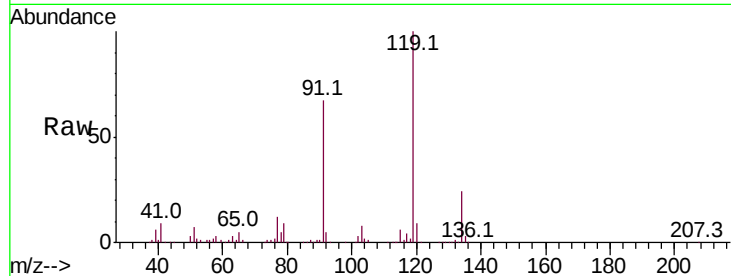




#83
tert-Butylbenzene
Concen: 22.109 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

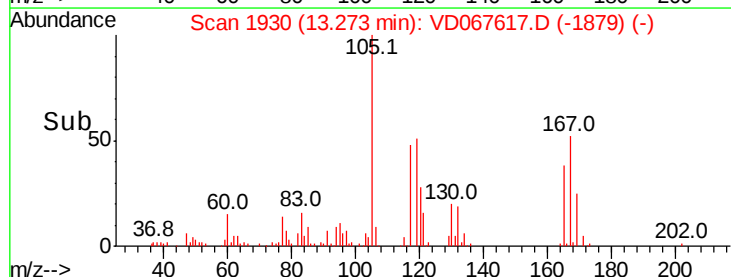
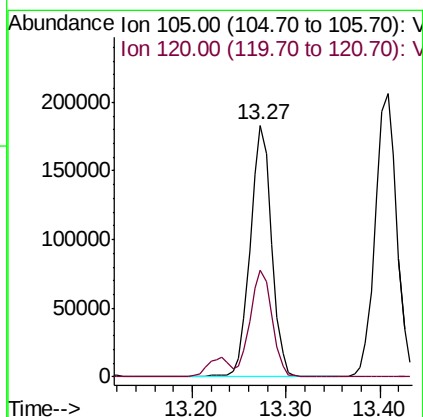
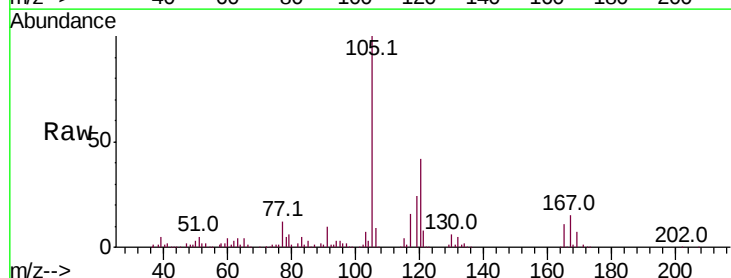
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

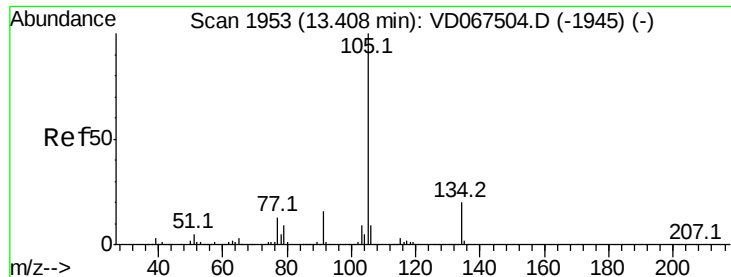
Tot Ion:119 Resp: 241424
Ion Ratio Lower Upper
119 100
91 64.5 32.7 98.1
134 26.5 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 22.410 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion:105 Resp: 287417
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.1





#85

sec-Butylbenzene

Concen: 22.144 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

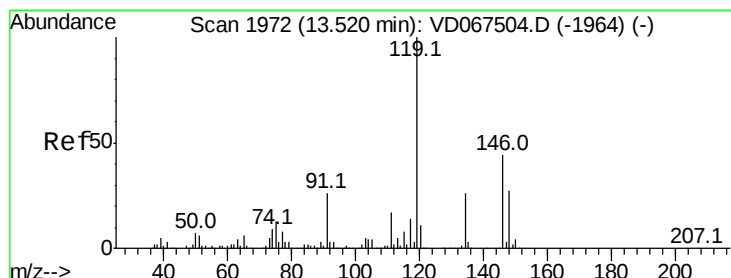
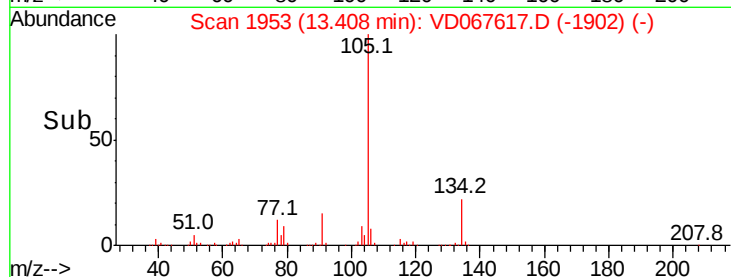
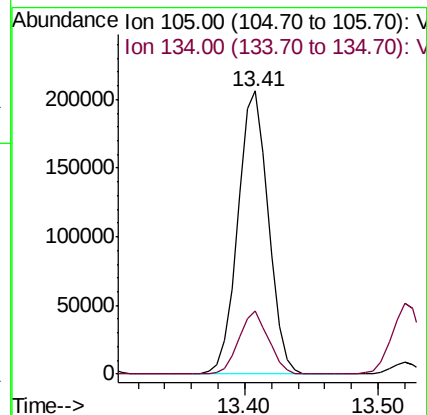
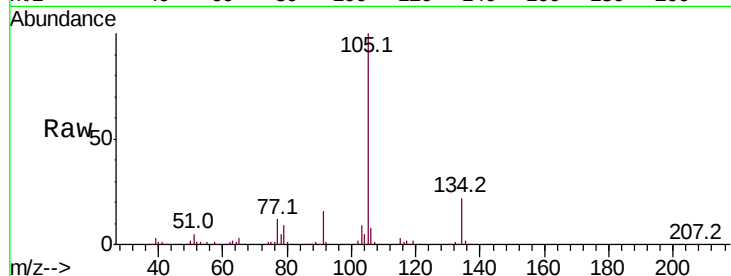
VD1112SBS01

Tot Ion:105 Resp: 326423

Ion Ratio Lower Upper

105 100

134 21.7 10.4 31.4



#86

p-Isopropyltoluene

Concen: 21.488 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

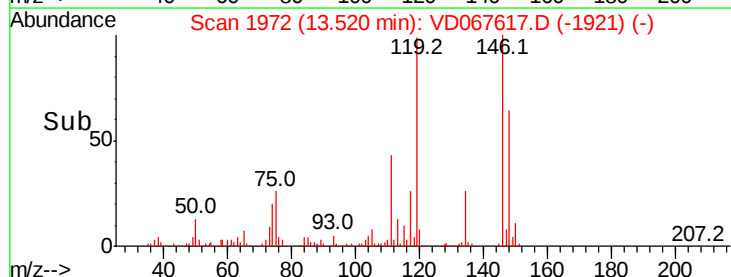
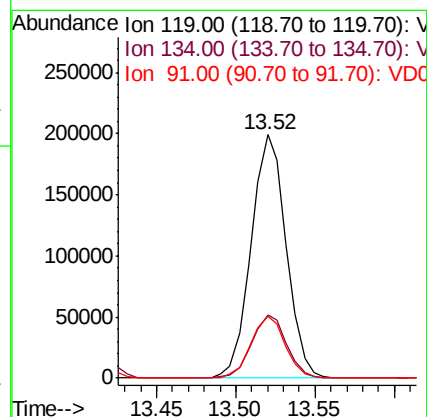
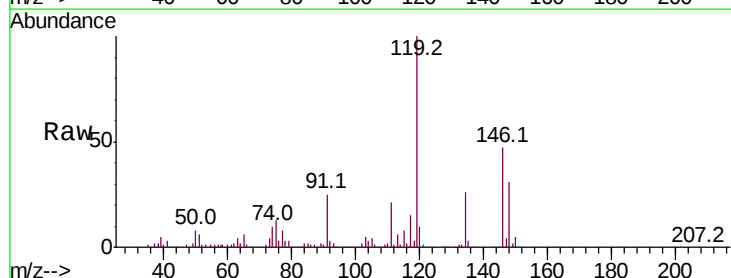
Tgt Ion:119 Resp: 305884

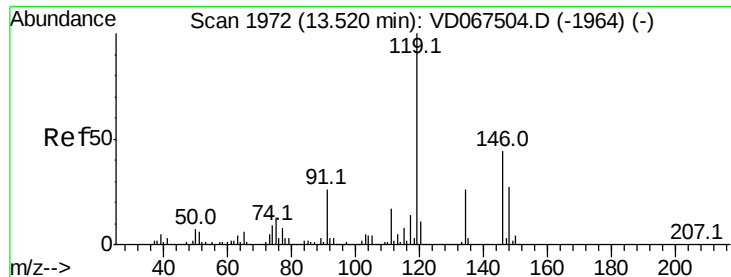
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 24.9 12.2 36.4

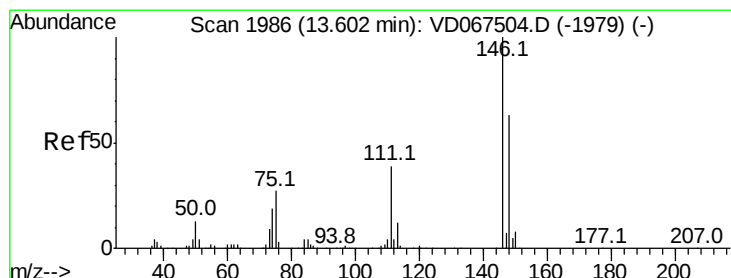
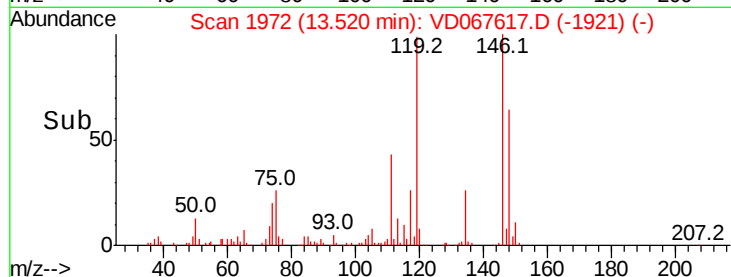
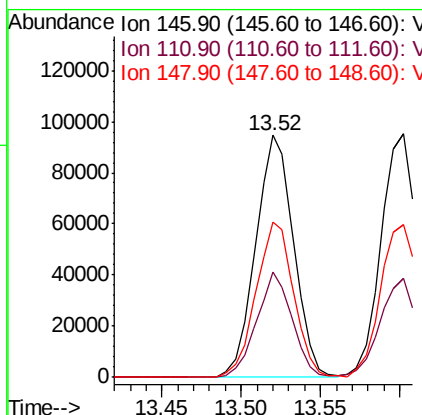
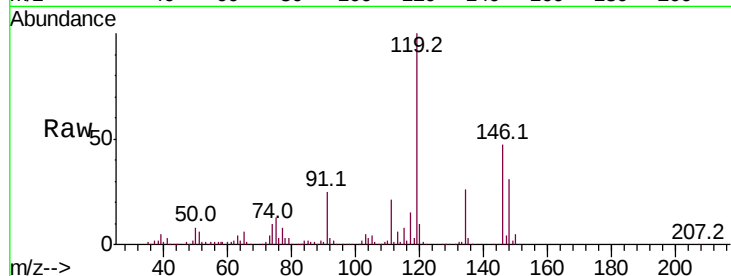




#87
 1,3-Dichlorobenzene
 Concen: 22.232 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

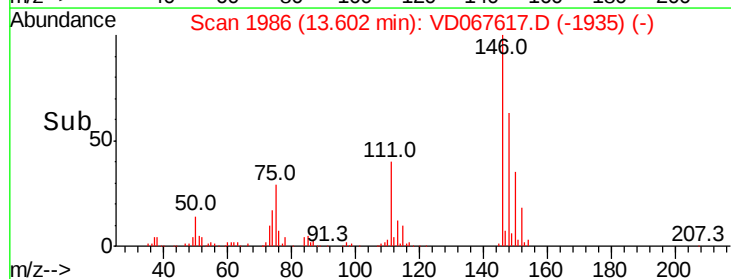
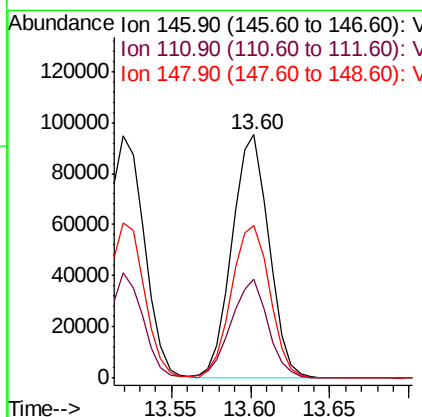
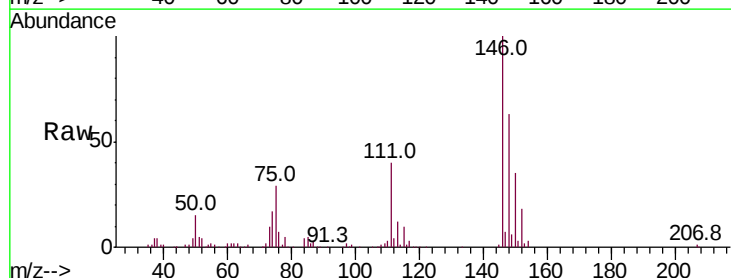
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

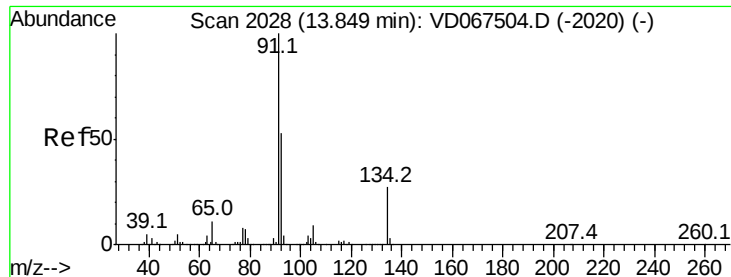
Tot Ion:146 Resp: 157134
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 60.8
 148 63.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.514 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion:146 Resp: 153971
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.6 58.7
 148 65.2 31.8 95.4

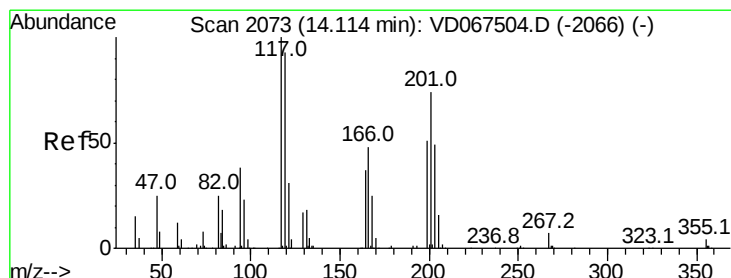
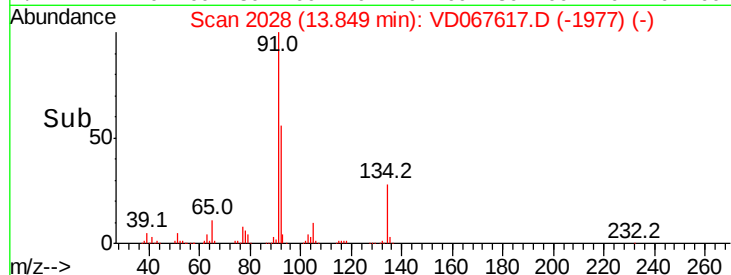
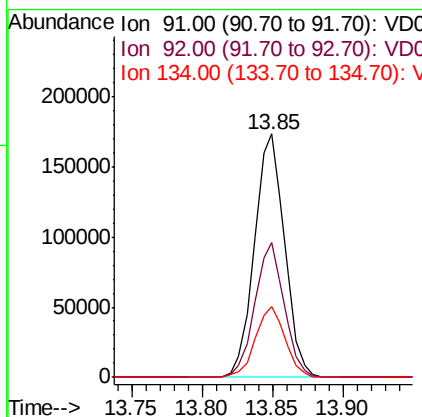
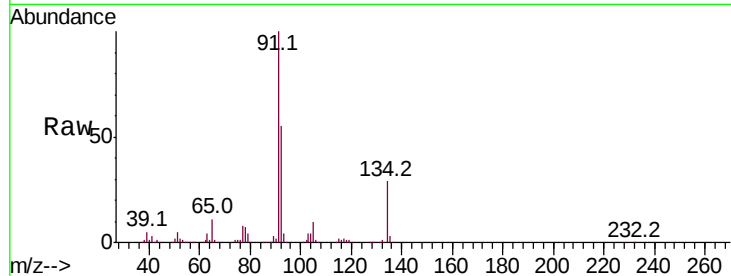




#89
n-Butylbenzene
Concen: 21.213 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

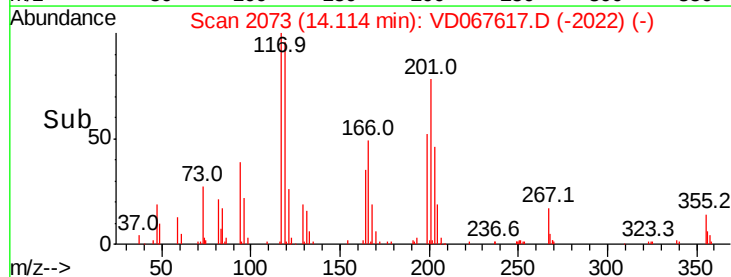
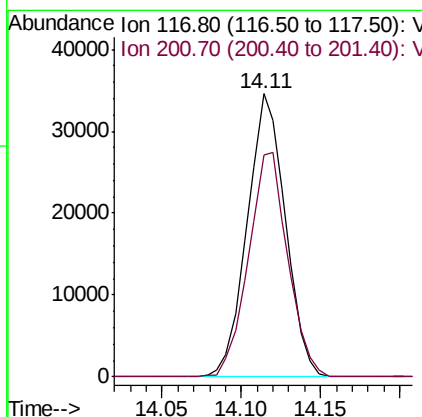
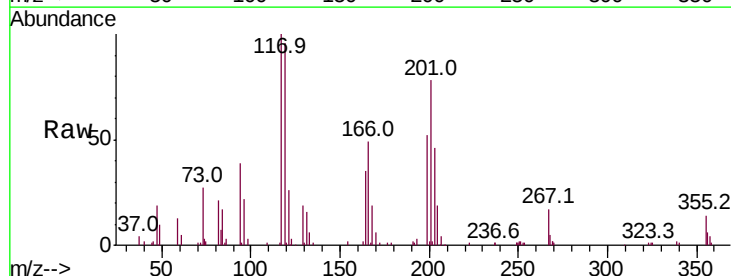
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

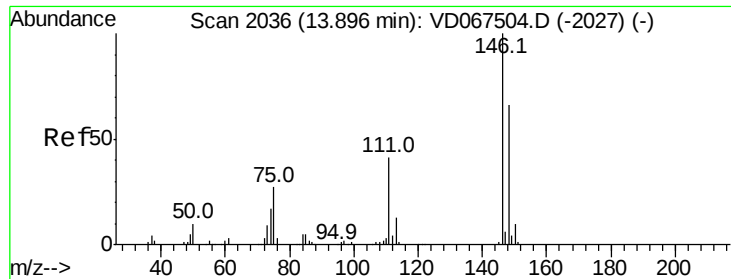
Tot Ion: 91 Resp: 260828
Ion Ratio Lower Upper
91 100
92 53.8 26.6 79.8
134 28.8 14.1 42.2



#90
Hexachloroethane
Concen: 21.617 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 117 Resp: 57948
Ion Ratio Lower Upper
117 100
201 81.6 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 21.717 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

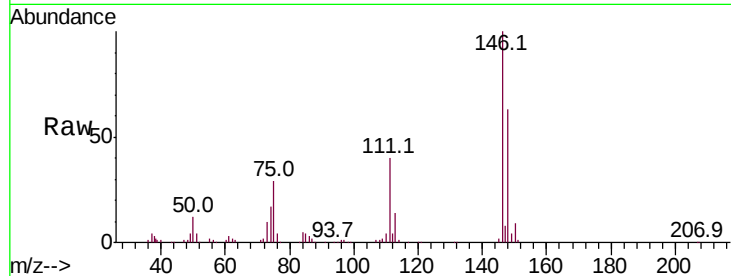
Tot Ion:146 Resp: 132842

Ion Ratio Lower Upper

146 100

111 42.3 20.7 62.1

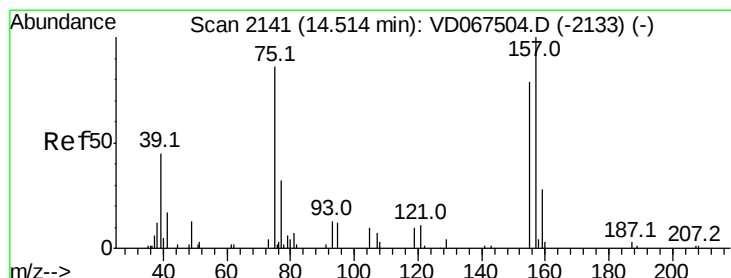
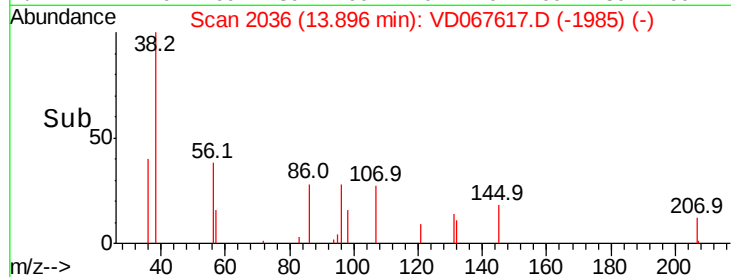
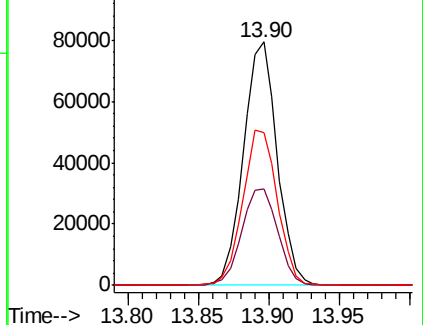
148 65.5 31.5 94.5



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: 21.645 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

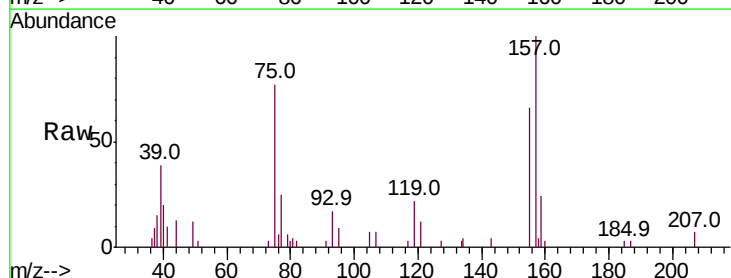
Tgt Ion: 75 Resp: 7882

Ion Ratio Lower Upper

75 100

155 91.9 46.6 139.8

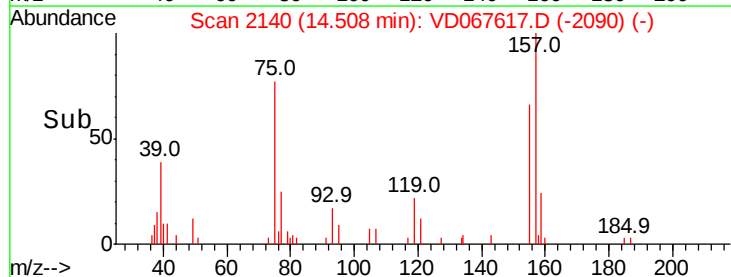
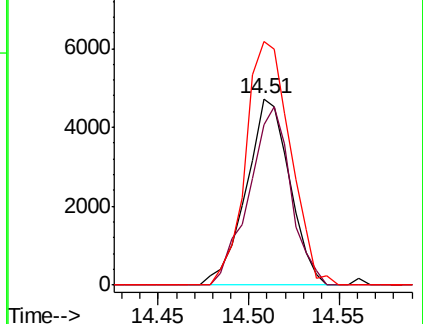
157 134.0 58.1 174.2

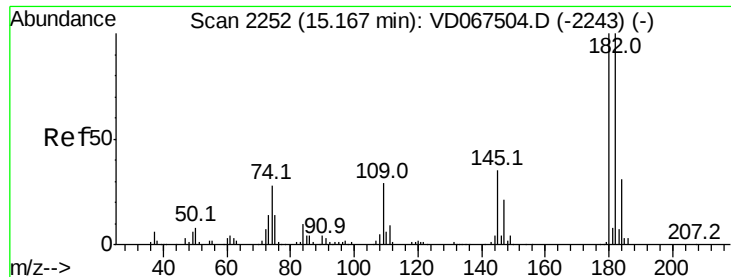


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

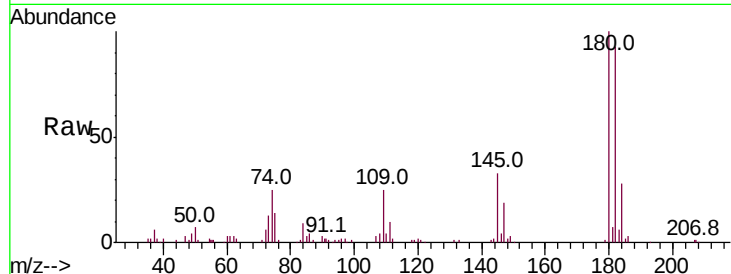




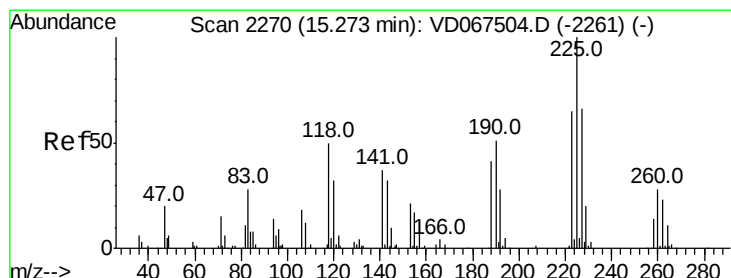
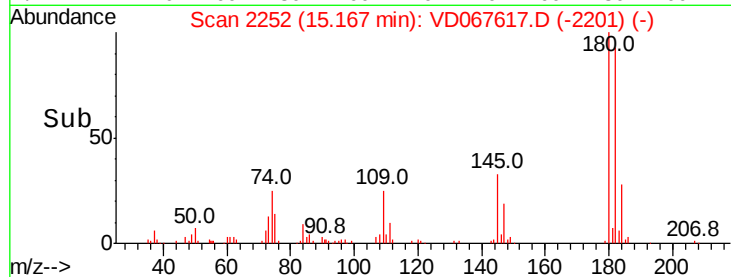
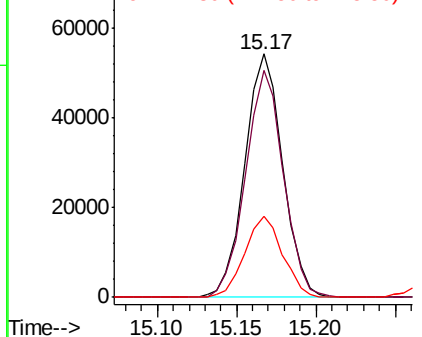
#93
 1,2,4-Trichlorobenzene
 Concen: 21.723 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.4	142.3
145	33.1	16.2	48.6

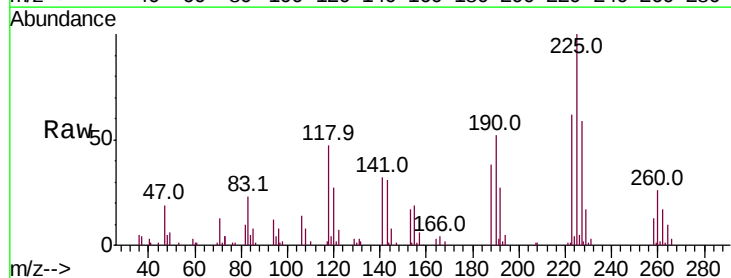


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

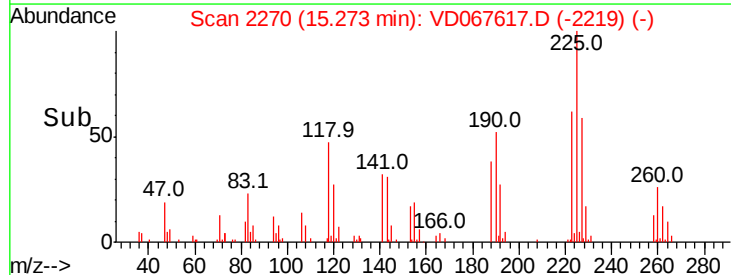
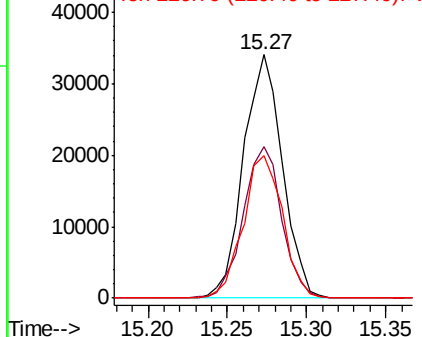


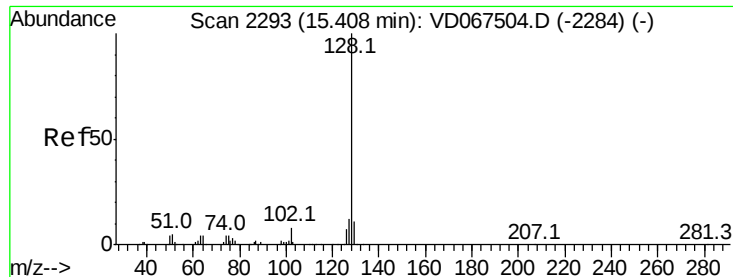
#94
 Hexachlorobutadiene
 Concen: 20.945 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.9	95.5
227	59.3	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: 21.293 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

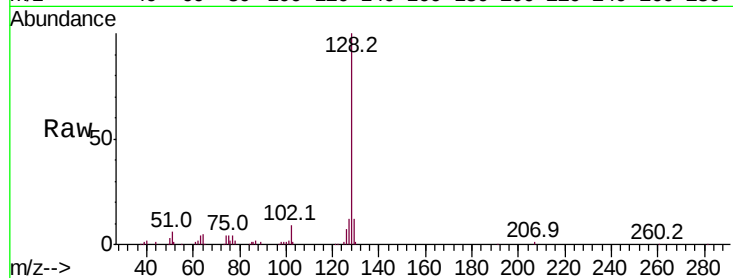
Tot Ion:128 Resp: 136429

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

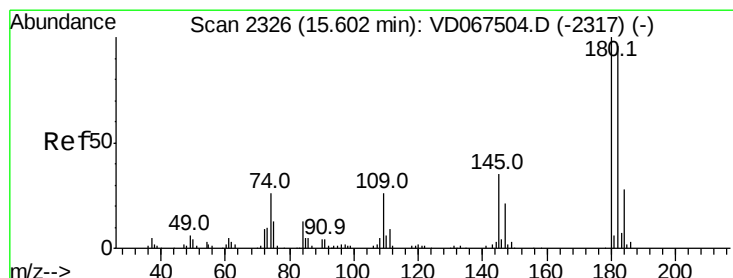
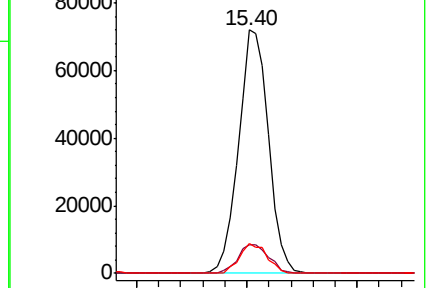
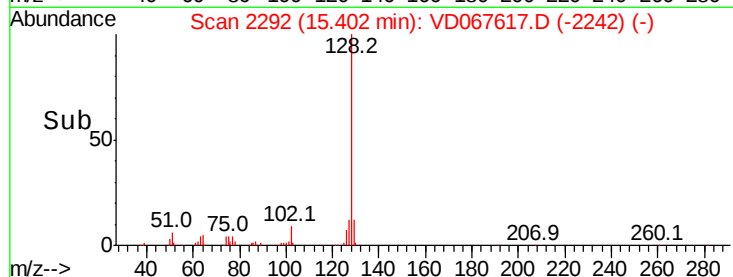
129 11.3 8.9 13.3



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: 21.262 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

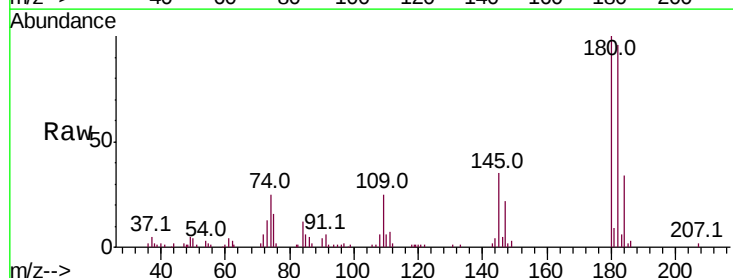
Tgt Ion:180 Resp: 75592

Ion Ratio Lower Upper

180 100

182 96.1 46.9 140.8

145 32.1 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

