

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067575.D
 Acq On : 10 Nov 2020 11:54
 Operator : VA/SY
 Sample : VD1110SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

Quant Time: Nov 11 00:03:50 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	313297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	447155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	412064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	207655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	126536	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
35) Dibromofluoromethane	7.91	113	134393	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	10.34	98	456317	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.64	95	164736	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64718	23.070	ug/l	93
3) Chloromethane	2.21	50	39894	20.448	ug/l	97
4) Vinyl Chloride	2.35	62	43923	20.193	ug/l	98
5) Bromomethane	2.76	94	35425	20.094	ug/l	91
6) Chloroethane	2.92	64	27769	20.707	ug/l	96
7) Trichlorofluoromethane	3.27	101	120247	21.351	ug/l	86
8) Diethyl Ether	3.70	74	22687	19.991	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61124	21.501	ug/l	97
10) Methyl Iodide	4.30	142	57861	18.990	ug/l	99
11) Tert butyl alcohol	5.19	59	9647	66.925	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	55473	21.214	ug/l	94
13) Acrolein	3.92	56	6655	76.878	ug/l	87
14) Allyl chloride	4.71	41	57015	20.372	ug/l	97
15) Acrylonitrile	5.41	53	43903	104.656	ug/l	95
16) Acetone	4.16	43	39164	95.536	ug/l	99
17) Carbon Disulfide	4.41	76	161133	20.109	ug/l	96
18) Methyl Acetate	4.71	43	17802	21.015	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	106240	20.597	ug/l	93
20) Methylene Chloride	4.96	84	64565	22.296	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	62368	20.477	ug/l	97
22) Diisopropyl ether	6.36	45	117071	21.466	ug/l	96
23) Vinyl Acetate	6.30	43	299913	105.057	ug/l	98
24) 1,1-Dichloroethane	6.26	63	93176	20.884	ug/l	99
25) 2-Butanone	7.21	43	47461	108.350	ug/l	99
26) 2,2-Dichloropropane	7.21	77	102383	21.743	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	65715	20.787	ug/l	95
28) Bromochloromethane	7.55	49	30997	19.531	ug/l	97
29) Tetrahydrofuran	7.56	42	28899	110.140	ug/l	98
30) Chloroform	7.71	83	114538	21.518	ug/l	99
31) Cyclohexane	7.98	56	83633	21.049	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	117868	21.462	ug/l	98
36) 1,1-Dichloropropene	8.11	75	83588	21.838	ug/l	99
37) Ethyl Acetate	7.29	43	21928	22.067	ug/l	94
38) Carbon Tetrachloride	8.10	117	115920	23.310	ug/l	97

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 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	98421	21.847	ug/l	100
40) Benzene	8.35	78	227898	21.981	ug/l	96
41) Methacrylonitrile	7.53	41	14455	24.336	ug/l #	66
42) 1,2-Dichloroethane	8.43	62	70296	21.944	ug/l	97
43) Isopropyl Acetate	8.46	43	41929	21.335	ug/l	94
44) Trichloroethene	9.11	130	74825	21.949	ug/l	90
45) 1,2-Dichloropropane	9.39	63	50447	22.505	ug/l	98
46) Dibromomethane	9.48	93	30299	21.258	ug/l	93
47) Bromodichloromethane	9.66	83	85186	21.989	ug/l	95
48) Methyl methacrylate	9.46	41	20990	20.686	ug/l	89
49) 1,4-Dioxane	9.47	88	6445	445.431	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	105500	112.248	ug/l	98
52) Toluene	10.41	92	155664	22.416	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	73684	22.208	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	86864	22.035	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	42198	22.376	ug/l	97
56) Ethyl methacrylate	10.67	69	43726	22.453	ug/l	96
57) 1,3-Dichloropropane	10.95	76	65884	21.711	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	93625	103.094	ug/l	97
59) 2-Hexanone	10.98	43	71829	109.301	ug/l	98
60) Dibromochloromethane	11.14	129	62611	22.444	ug/l	100
61) 1,2-Dibromoethane	11.25	107	42575	22.494	ug/l	99
64) Tetrachloroethene	10.88	164	68599	22.479	ug/l	95
65) Chlorobenzene	11.67	112	172592	21.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	68938	22.036	ug/l	98
67) Ethyl Benzene	11.75	91	300980	22.159	ug/l	99
68) m/p-Xylenes	11.86	106	234914	44.456	ug/l	100
69) o-Xylene	12.18	106	101961	21.612	ug/l	97
70) Styrene	12.20	104	181867	22.122	ug/l	98
71) Bromoform	12.36	173	36613	22.947	ug/l #	99
73) Isopropylbenzene	12.48	105	294654	21.956	ug/l	97
74) N-amyl acetate	12.29	43	39930	22.612	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	40631	22.202	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	57543	45.935	ug/l #	100
77) Bromobenzene	12.77	156	74155	22.499	ug/l	97
78) n-propylbenzene	12.83	91	347624	22.646	ug/l	99
79) 2-Chlorotoluene	12.91	91	195159	22.381	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	260722	22.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13499	21.878	ug/l	97
82) 4-Chlorotoluene	13.01	91	214370	22.922	ug/l	98
83) tert-Butylbenzene	13.23	119	221126	22.759	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	260320	22.812	ug/l	100
85) sec-Butylbenzene	13.41	105	300477	22.909	ug/l	100
86) p-Isopropyltoluene	13.52	119	284291	22.445	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	137407	21.849	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	140473	22.059	ug/l	98
89) n-Butylbenzene	13.85	91	244843	22.380	ug/l	99
90) Hexachloroethane	14.11	117	53209	22.308	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	121985	22.412	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7657	23.632	ug/l	94

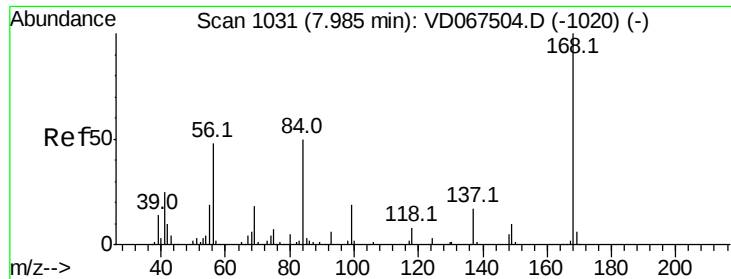
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
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 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	82154	22.239	ug/l	97
94) Hexachlorobutadiene	15.27	225	56103	22.692	ug/l	94
95) Naphthalene	15.41	128	124582	21.852	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68941	21.793	ug/l	100

(#) = 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: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

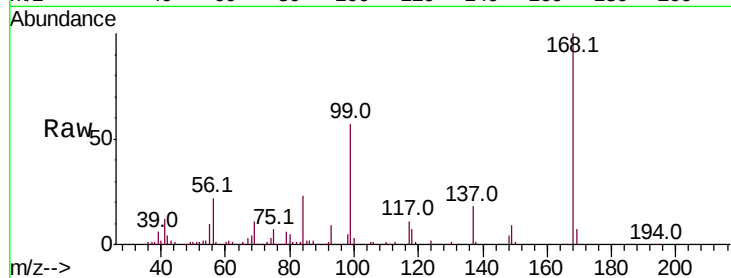
VD1110SBS01

Tot Ion:168 Resp: 313297

Ion Ratio Lower Upper

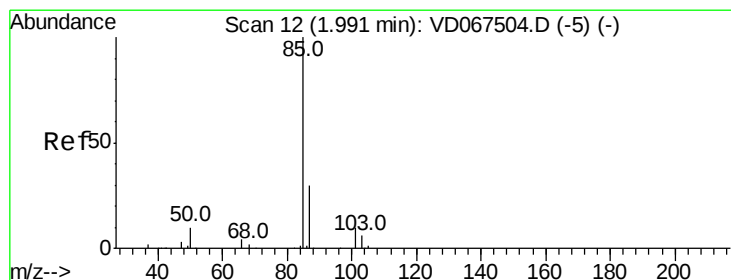
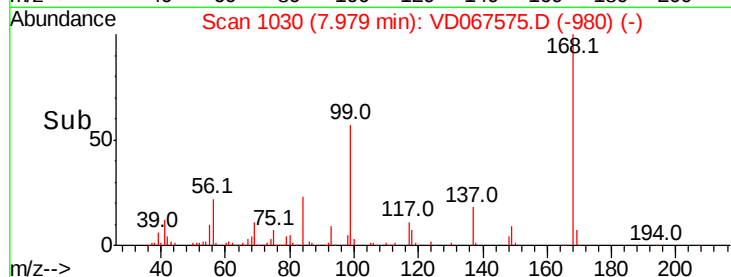
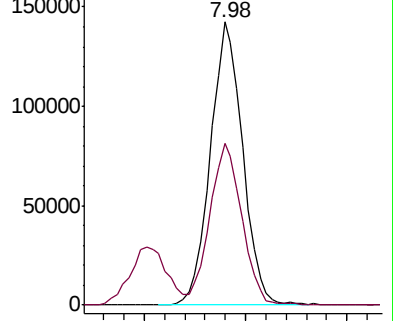
168 100

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: 23.070 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067575.D

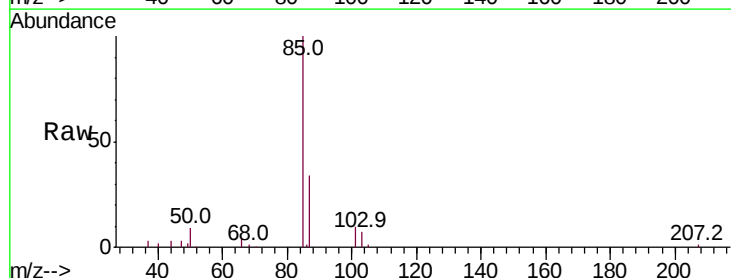
Acq: 10 Nov 2020 11:54

Tgt Ion: 85 Resp: 64718

Ion Ratio Lower Upper

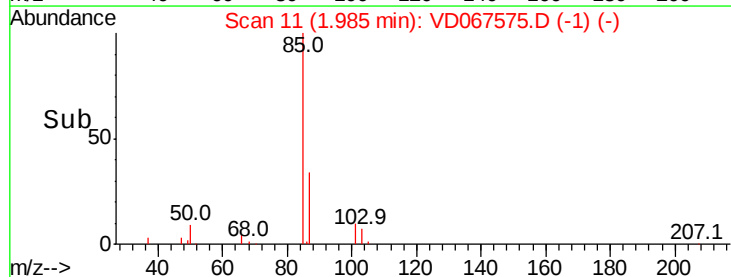
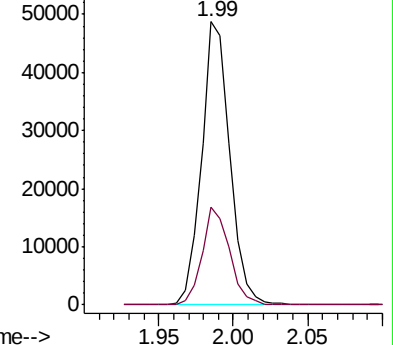
85 100

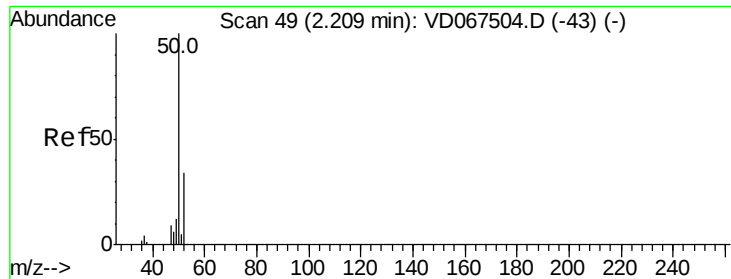
87 34.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.448 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

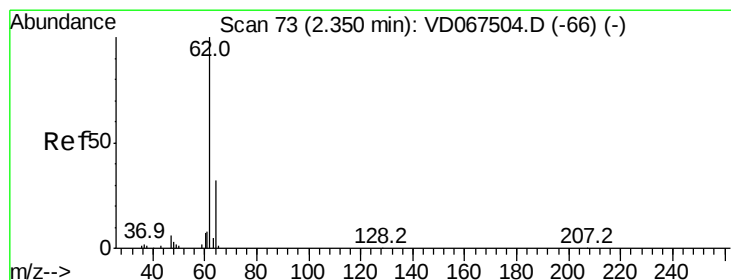
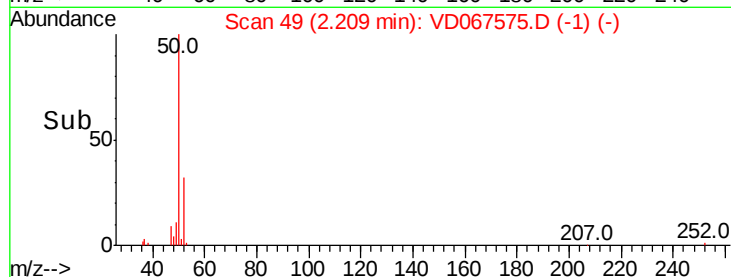
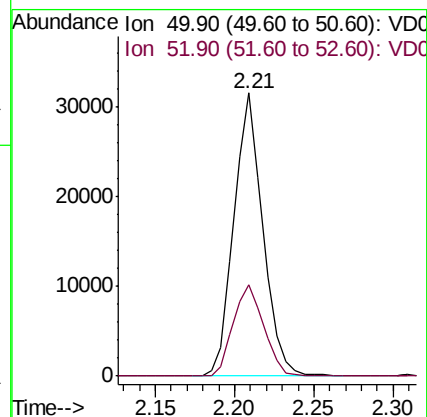
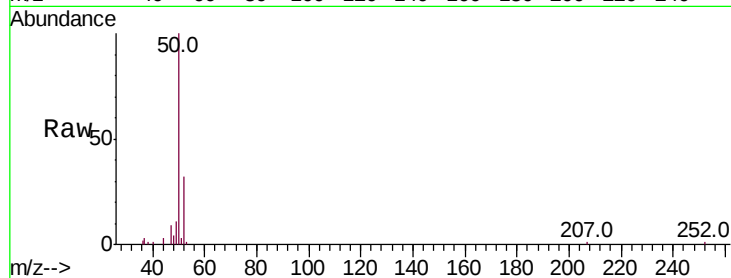
VD1110SBS01

Tot Ion: 50 Resp: 39894

Ion Ratio Lower Upper

50 100

52 32.2 27.3 40.9



#4

Vinyl Chloride

Concen: 20.193 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067575.D

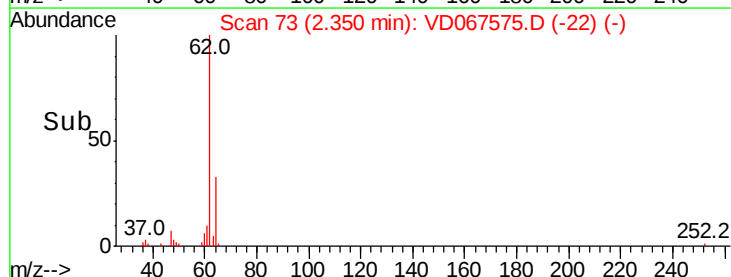
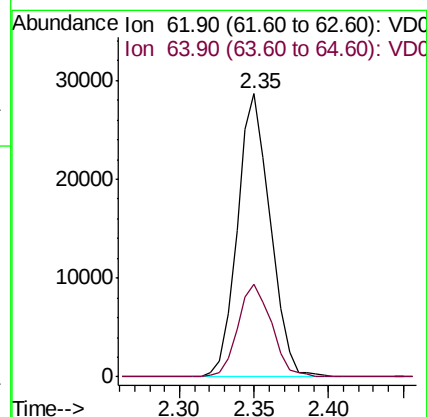
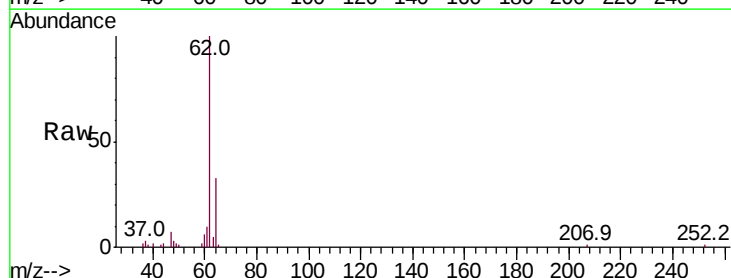
Acq: 10 Nov 2020 11:54

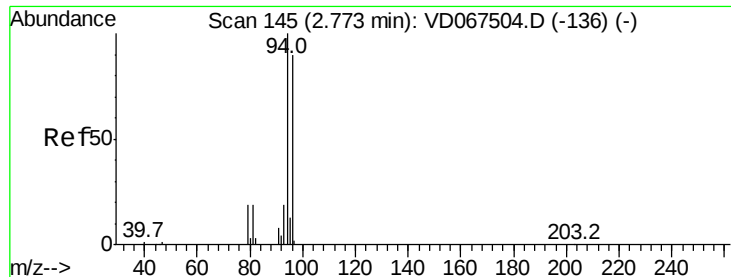
Tgt Ion: 62 Resp: 43923

Ion Ratio Lower Upper

62 100

64 32.9 25.6 38.4





#5

Bromomethane

Concen: 20.094 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

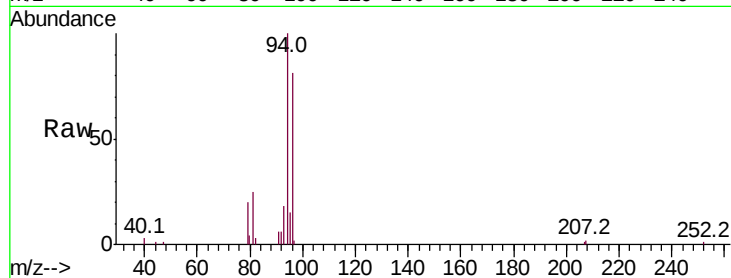
VD1110SBS01

Tot Ion: 94 Resp: 35425

Ion Ratio Lower Upper

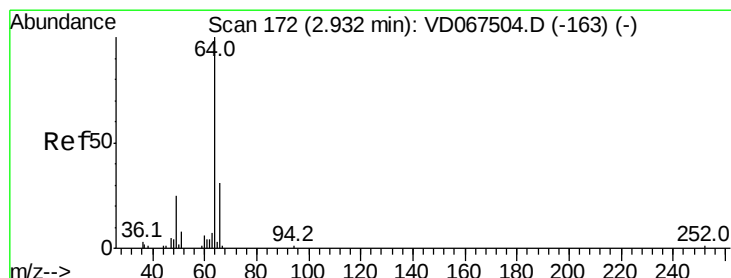
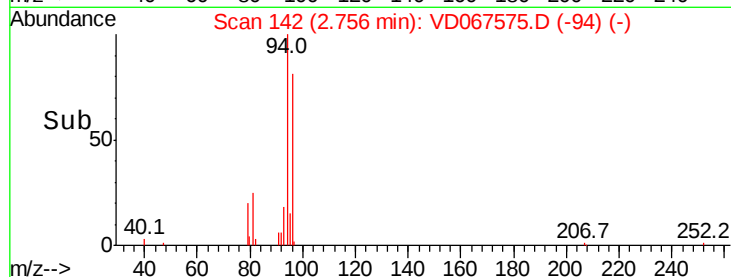
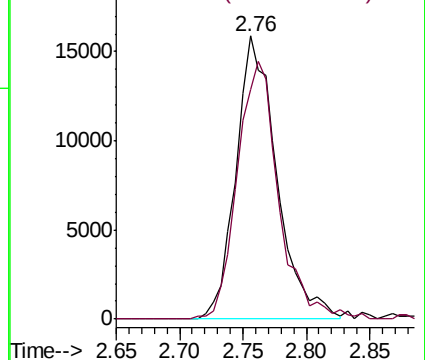
94 100

96 81.3 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: 20.707 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067575.D

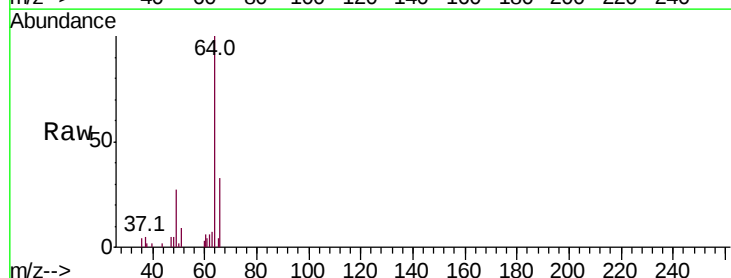
Acq: 10 Nov 2020 11:54

Tgt Ion: 64 Resp: 27769

Ion Ratio Lower Upper

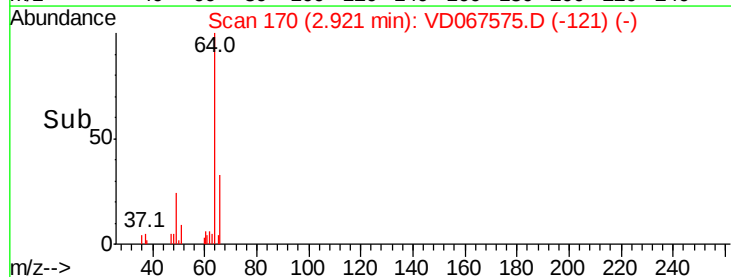
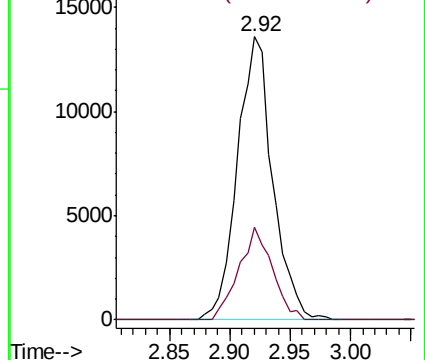
64 100

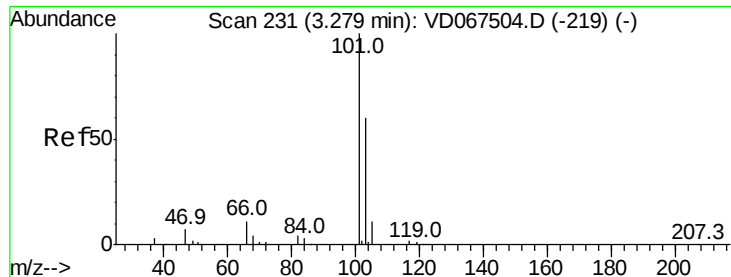
66 32.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



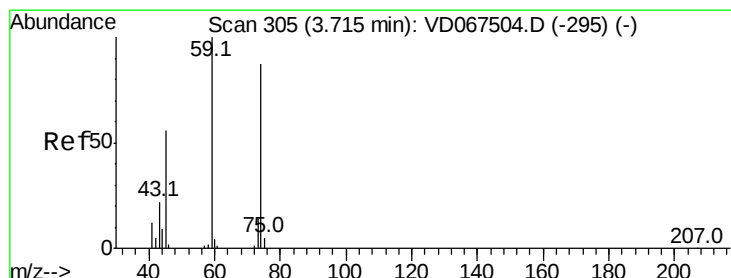
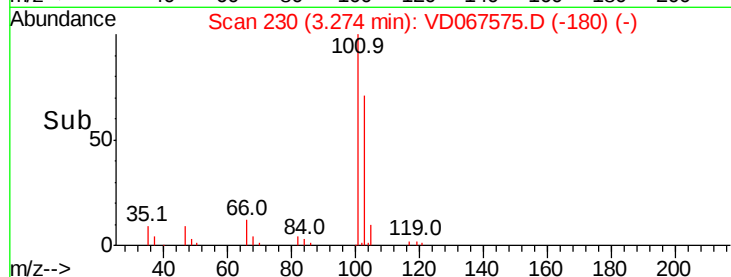
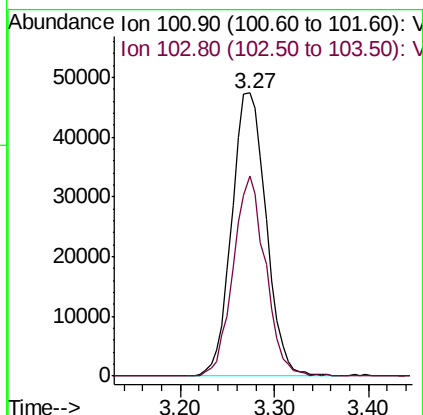
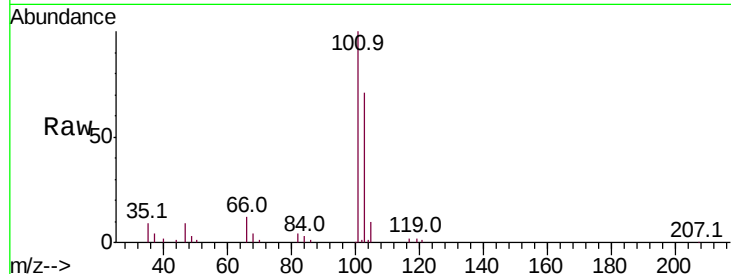


#7

Trichlorofluoromethane
 Concen: 21.351 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

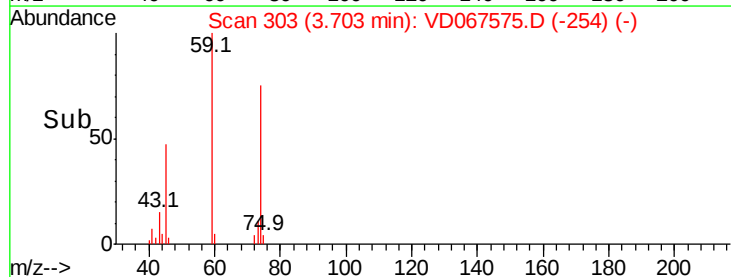
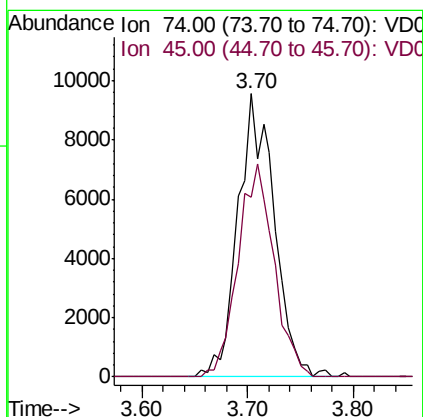
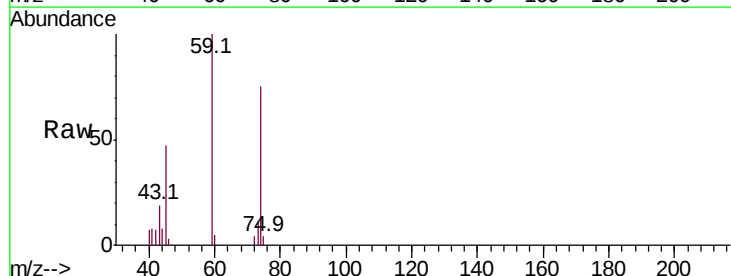
Tot Ion:101 Resp: 120247
 Ion Ratio Lower Upper
 101 100
 103 70.6 48.1 72.1

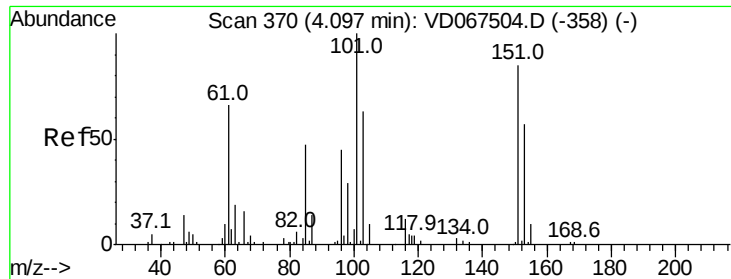


#8

Diethyl Ether
 Concen: 19.991 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Tgt Ion: 74 Resp: 22687
 Ion Ratio Lower Upper
 74 100
 45 74.5 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.501 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

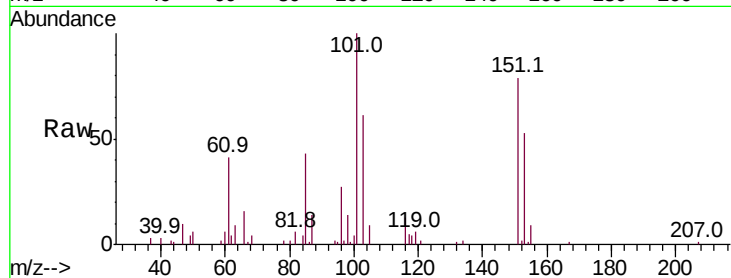
Tot Ion:101 Resp: 61124

Ion Ratio Lower Upper

101 100

85 45.5 34.4 51.6

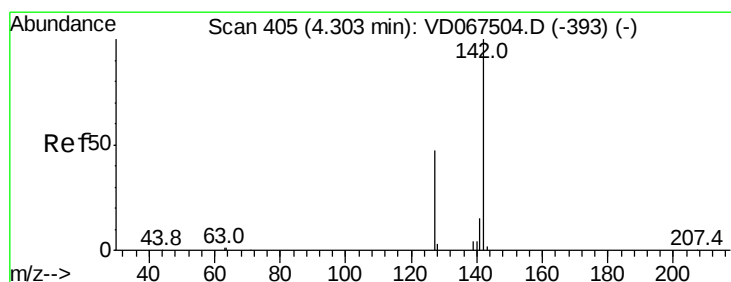
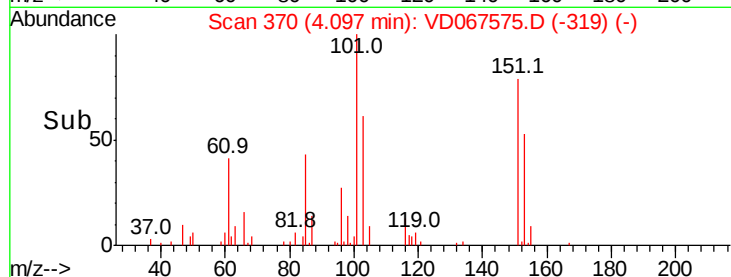
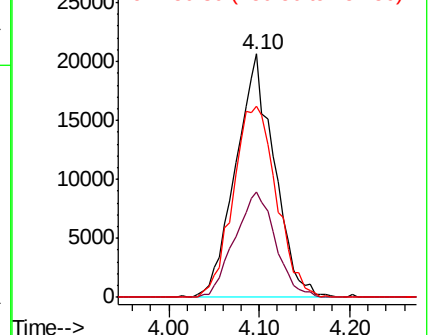
151 88.0 68.1 102.1



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: 18.990 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

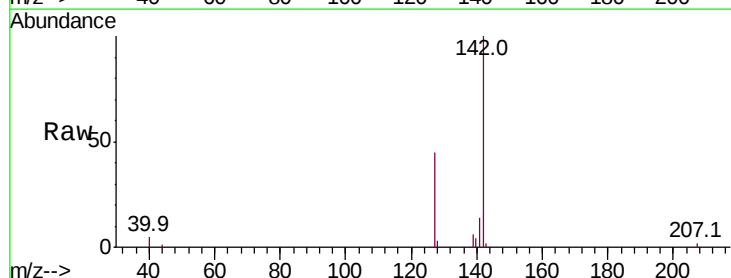
Tgt Ion:142 Resp: 57861

Ion Ratio Lower Upper

142 100

127 49.4 40.0 60.0

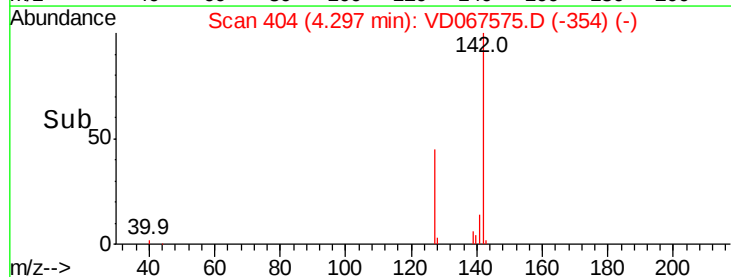
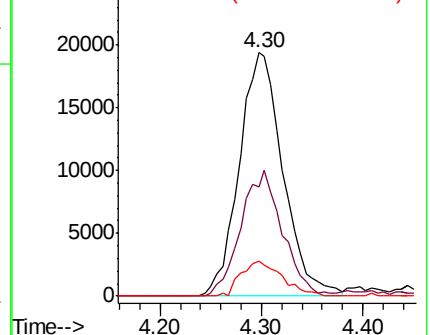
141 13.6 11.7 17.5

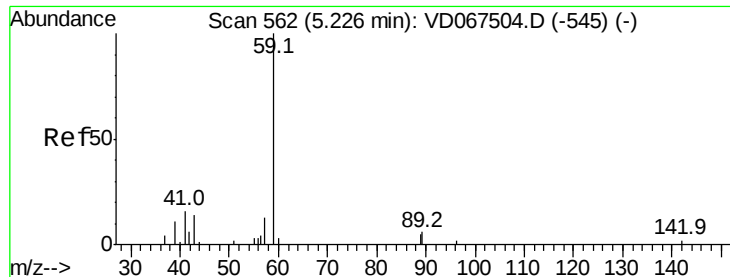


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

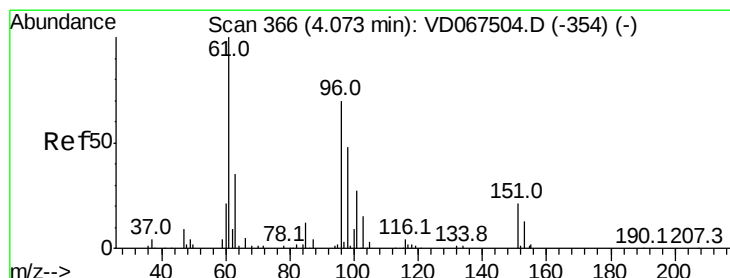
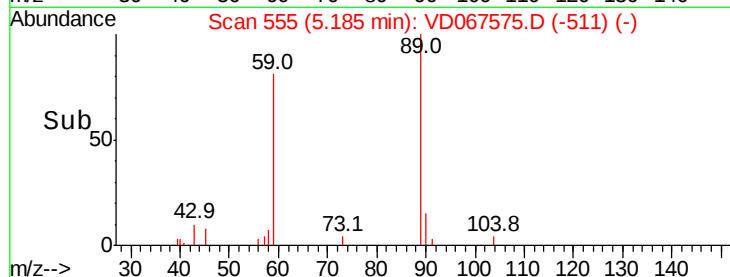
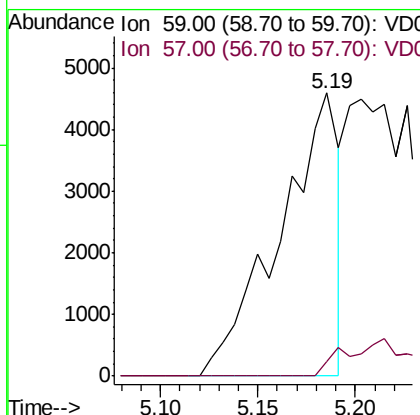
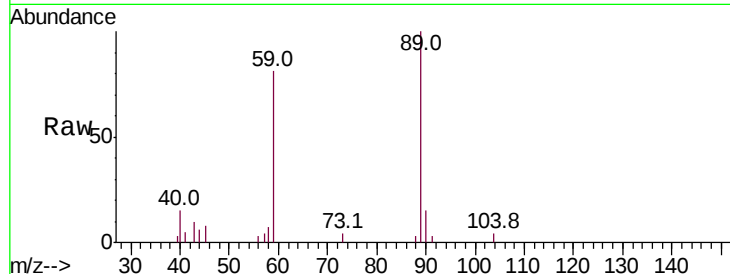




#11
Tert butyl alcohol
Concen: 66.925 ug/l
RT: 5.19 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

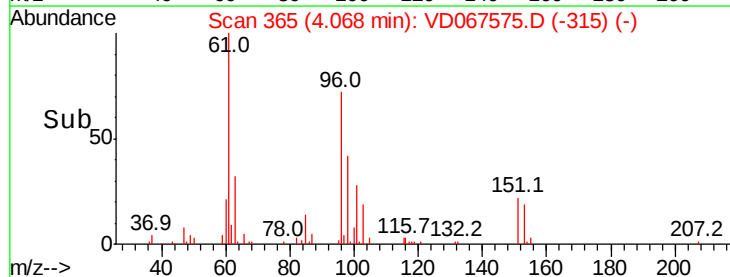
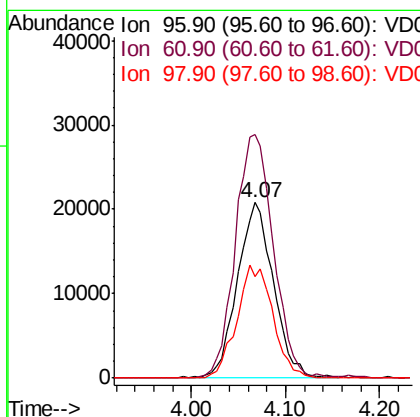
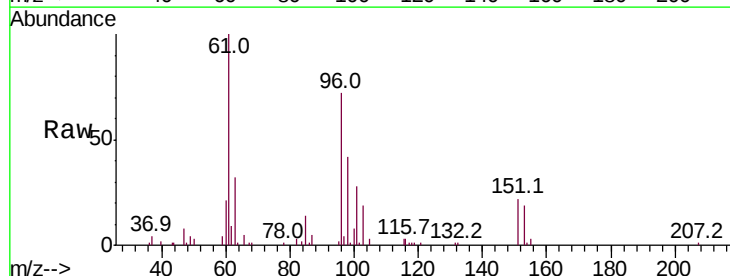
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

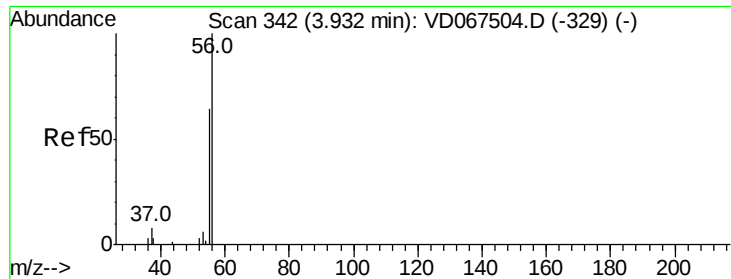
Tot Ion: 59 Resp: 9647
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



#12
1,1-Dichloroethene
Concen: 21.214 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion: 96 Resp: 55473
Ion Ratio Lower Upper
96 100
61 138.6 114.5 171.7
98 58.1 54.5 81.7





#13

Acrolein

Concen: 76.878 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

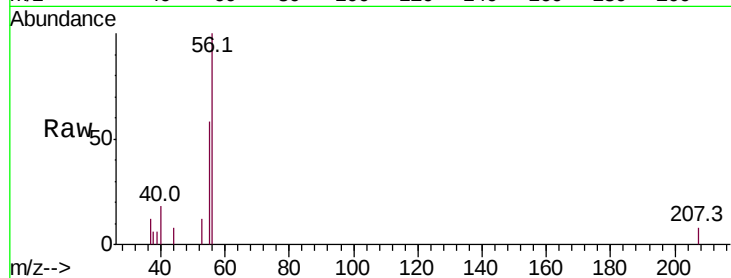
VD1110SBS01

Tot Ion: 56 Resp: 6655

Ion Ratio Lower Upper

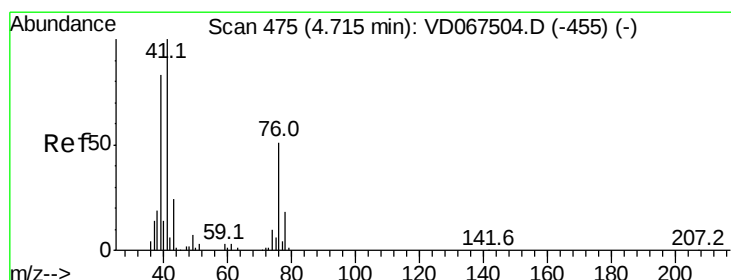
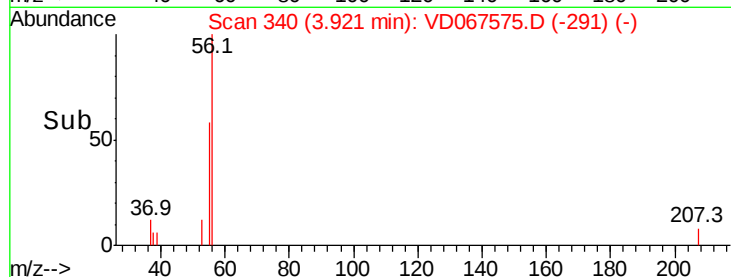
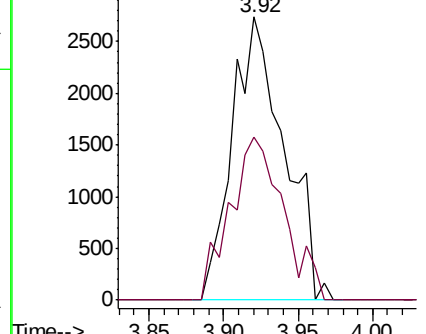
56 100

55 58.9 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: 20.372 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

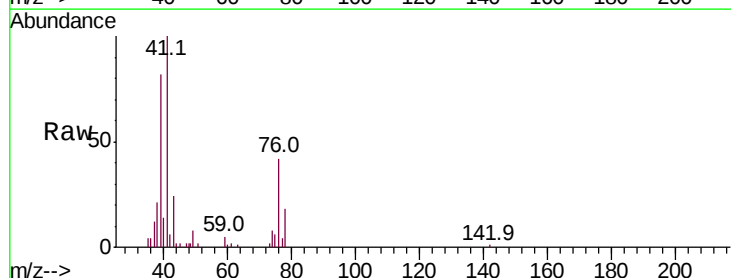
Tgt Ion: 41 Resp: 57015

Ion Ratio Lower Upper

41 100

39 82.3 67.4 101.0

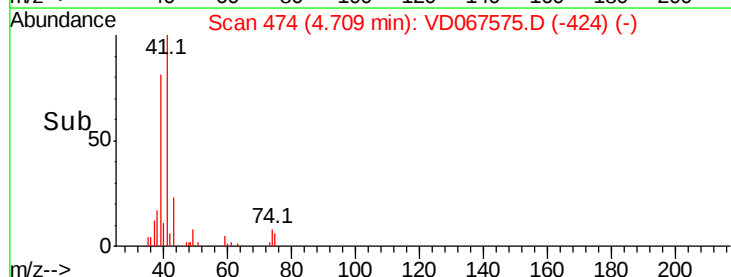
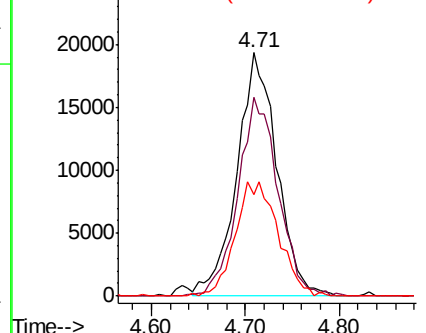
76 50.5 42.2 63.2



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: 104.656 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

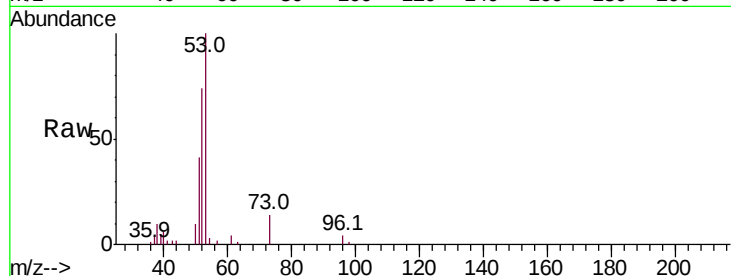
Tot Ion: 53 Resp: 43903

Ion Ratio Lower Upper

53 100

52 85.3 64.8 97.2

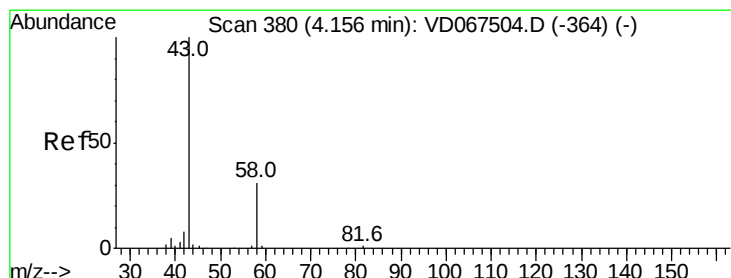
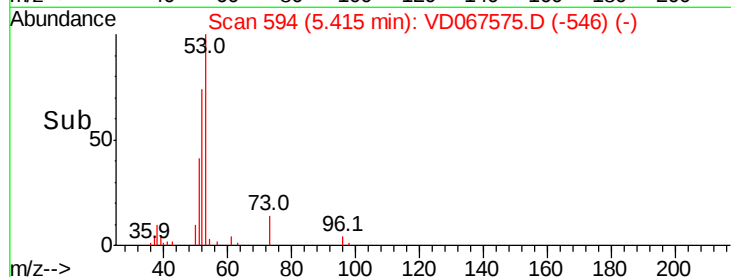
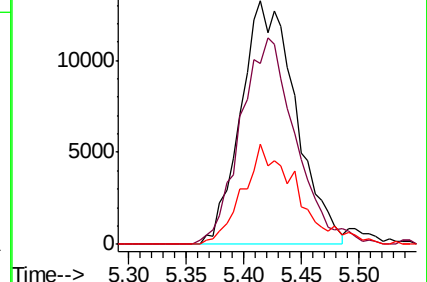
51 40.4 29.5 44.3



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: 95.536 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067575.D

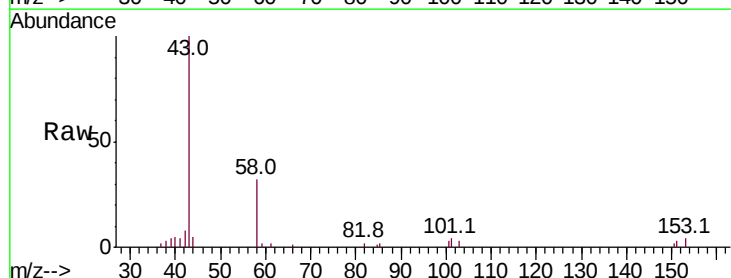
Acq: 10 Nov 2020 11:54

Tgt Ion: 43 Resp: 39164

Ion Ratio Lower Upper

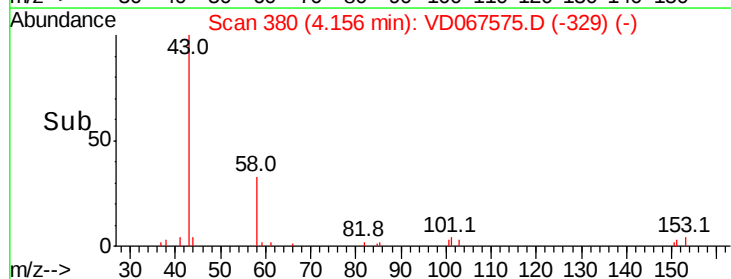
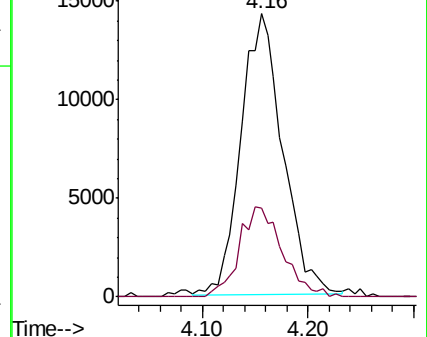
43 100

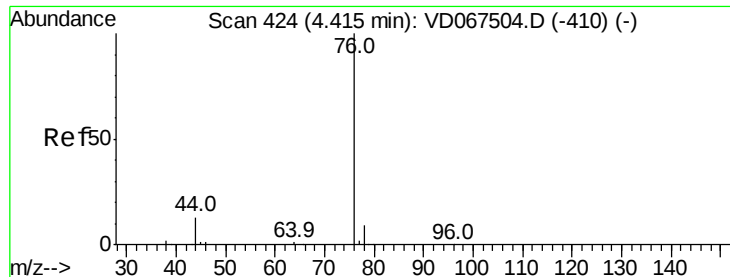
58 31.9 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

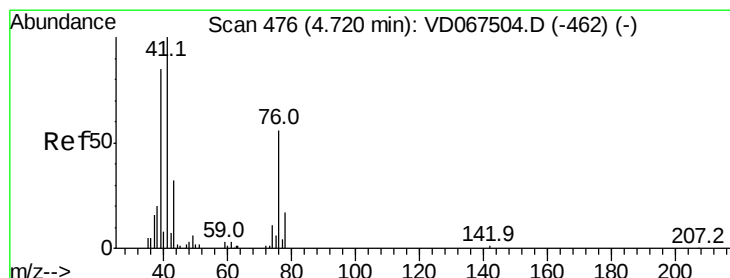
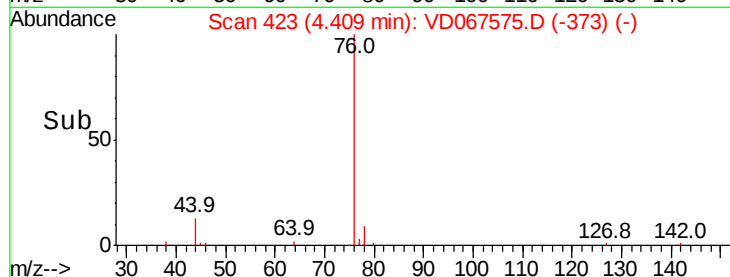
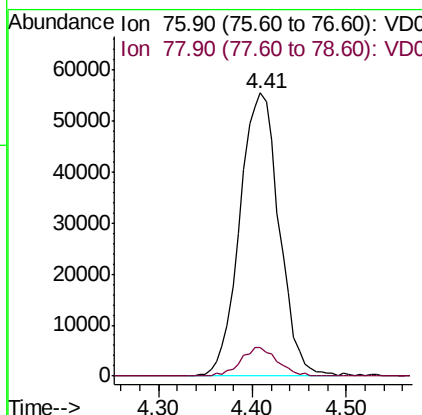
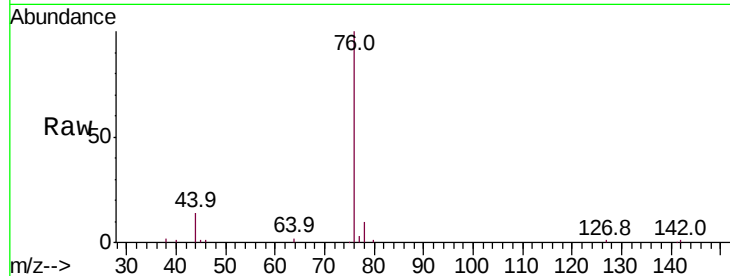




#17
Carbon Disulfide
Concen: 20.109 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

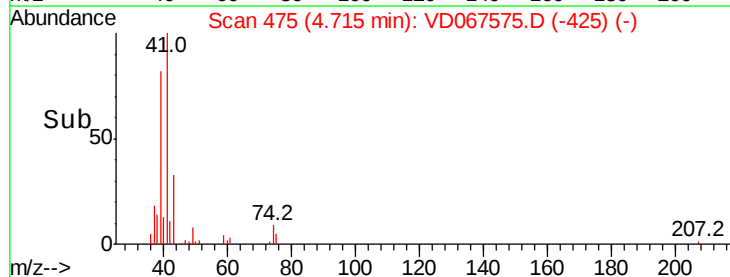
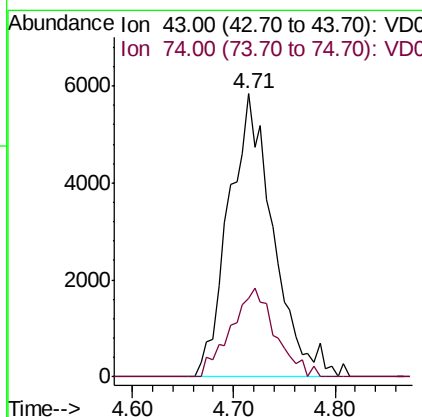
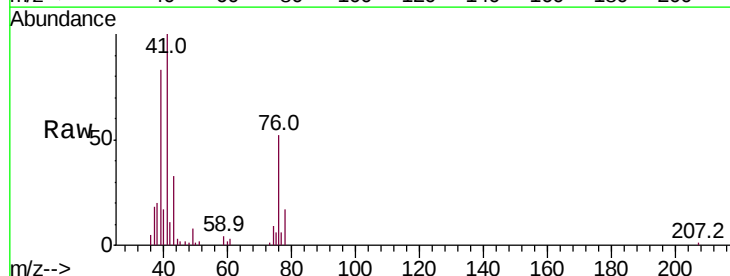
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

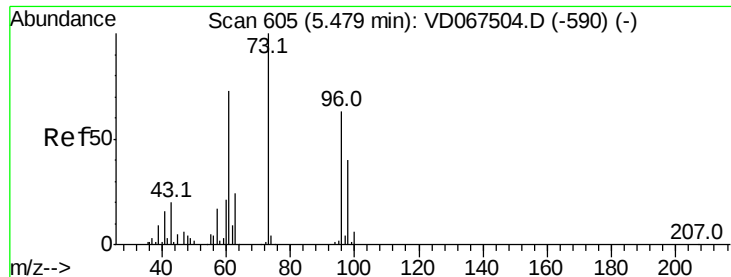
Tot Ion: 76 Resp: 161133
Ion Ratio Lower Upper
76 100
78 10.3 7.2 10.8



#18
Methyl Acetate
Concen: 21.015 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion: 43 Resp: 17802
Ion Ratio Lower Upper
43 100
74 31.4 27.2 40.8



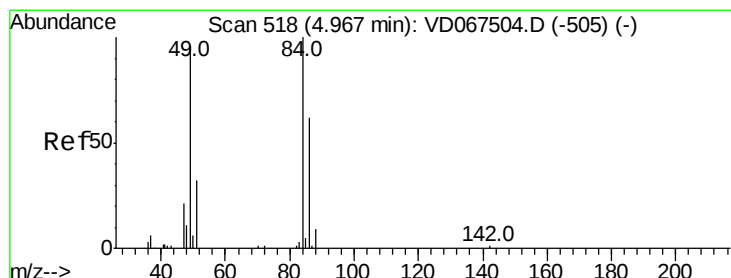
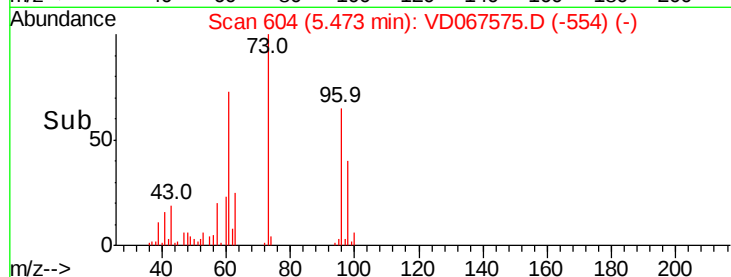
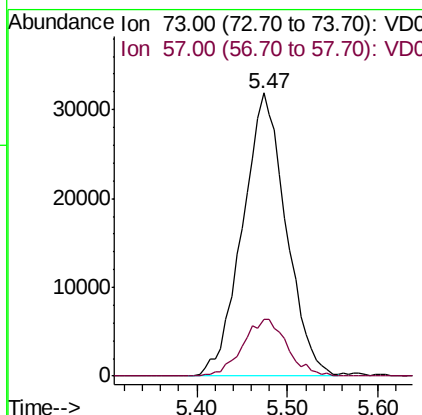
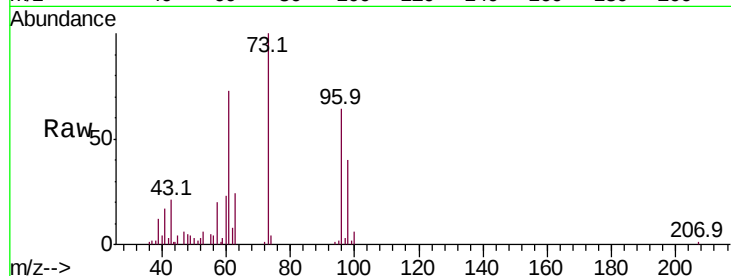


#19

Methyl tert-butyl Ether
 Concen: 20.597 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

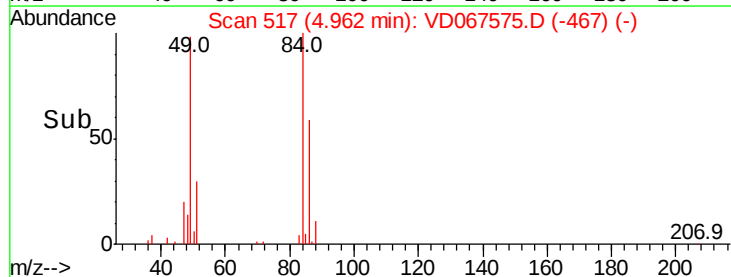
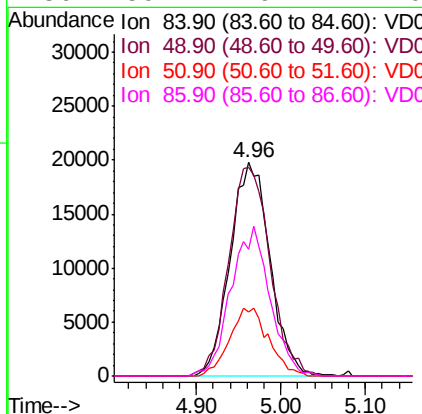
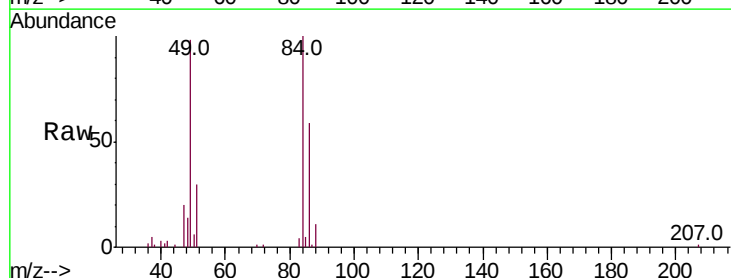
Tot Ion: 73 Resp: 106240
 Ion Ratio Lower Upper
 73 100
 57 19.9 13.4 20.0

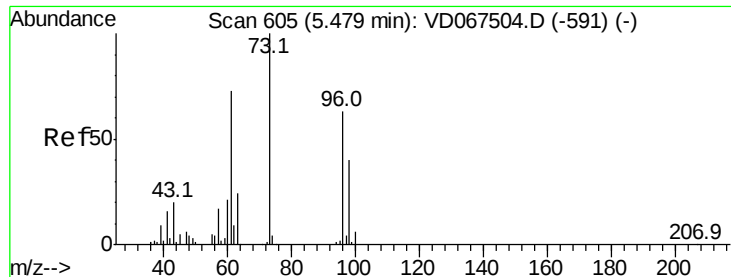


#20

Methylene Chloride
 Concen: 22.296 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Tgt Ion: 84 Resp: 64565
 Ion Ratio Lower Upper
 84 100
 49 97.7 77.0 115.4
 51 30.2 25.4 38.2
 86 59.4 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.477 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

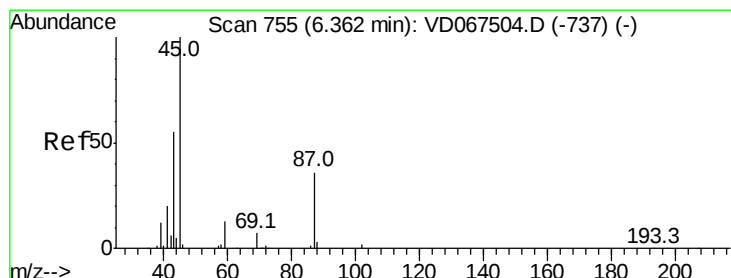
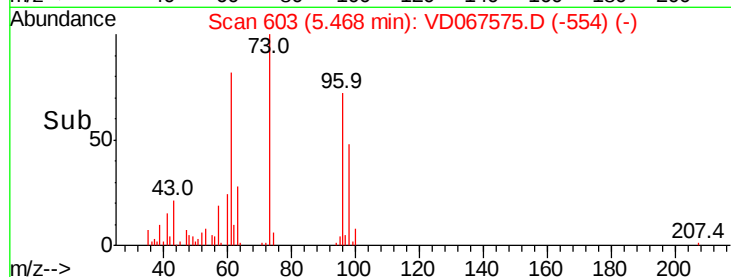
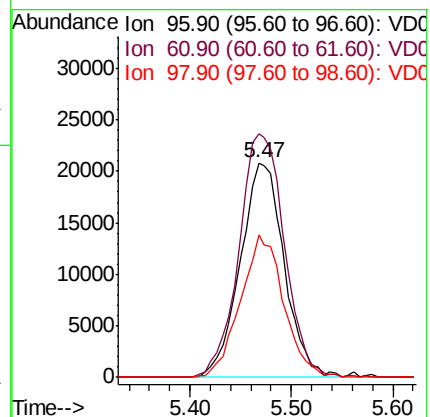
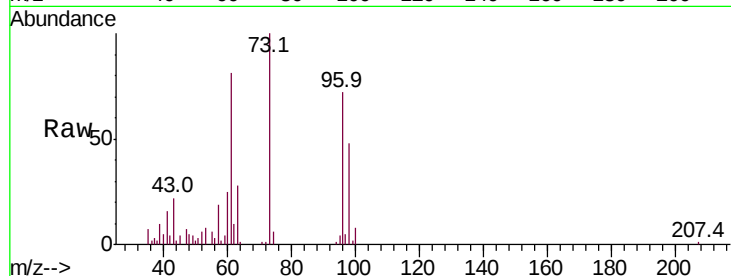
Tot Ion: 96 Resp: 62368

Ion Ratio Lower Upper

96 100

61 113.5 93.0 139.6

98 66.4 50.9 76.3



#22

Diisopropyl ether

Concen: 21.466 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Tgt Ion: 45 Resp: 117071

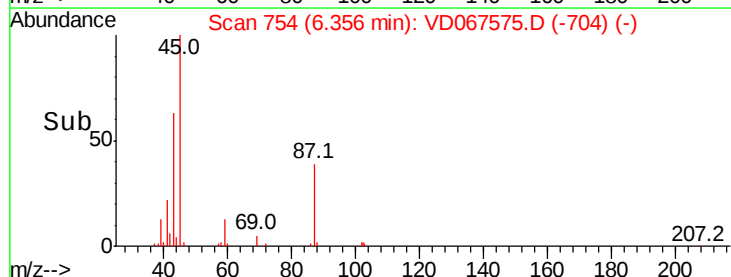
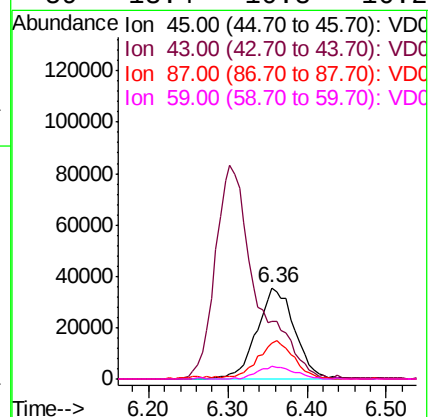
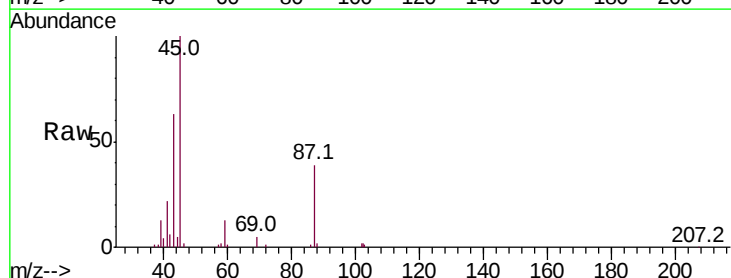
Ion Ratio Lower Upper

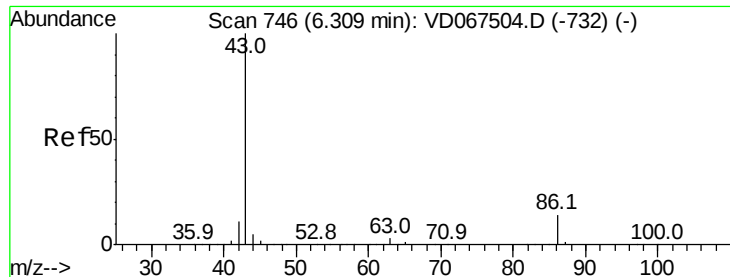
45 100

43 61.8 46.2 69.4

87 38.6 29.4 44.2

59 13.4 10.8 16.2





#23

Vinyl Acetate

Concen: 105.057 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

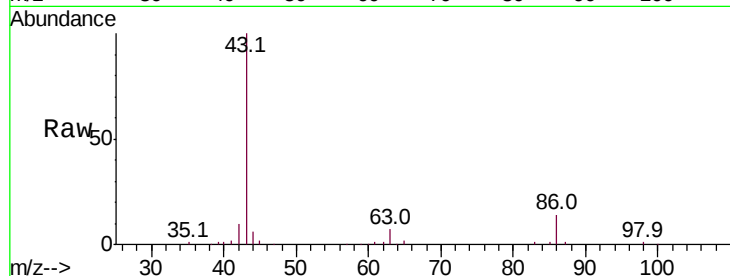
VD1110SBS01

Tot Ion: 43 Resp: 299913

Ion Ratio Lower Upper

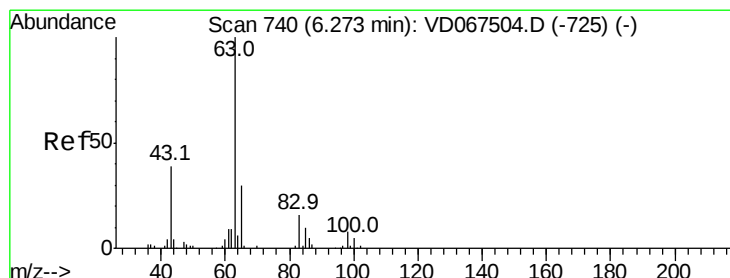
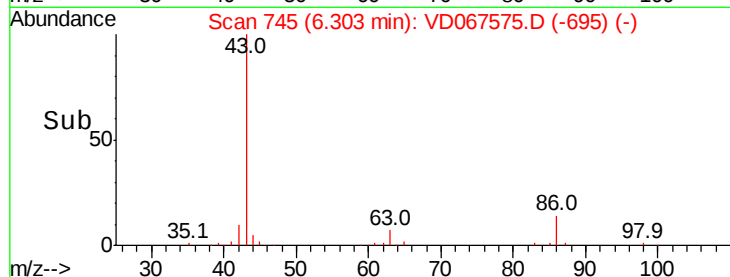
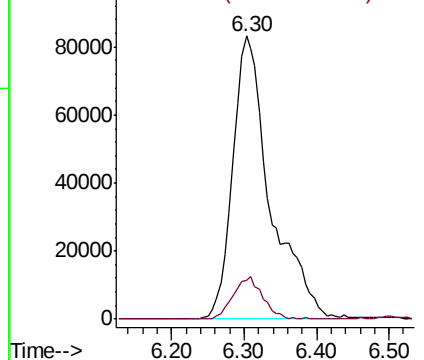
43 100

86 13.5 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: 20.884 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

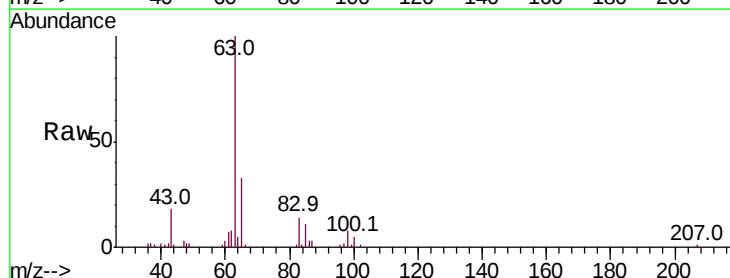
Tgt Ion: 63 Resp: 93176

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

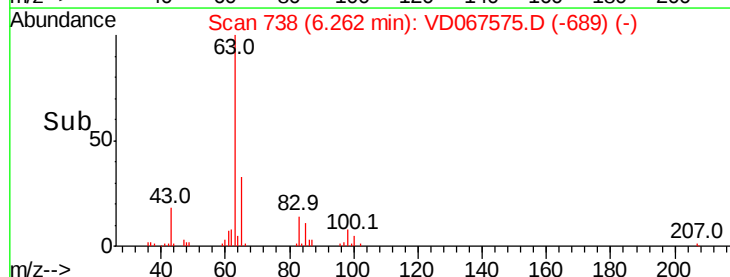
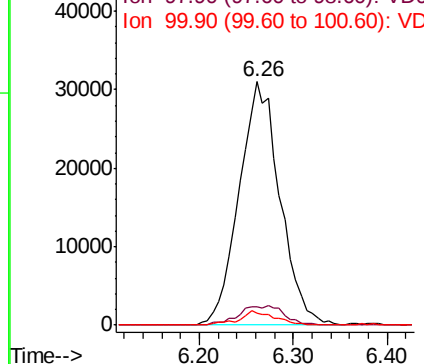
100 4.7 2.6 7.8

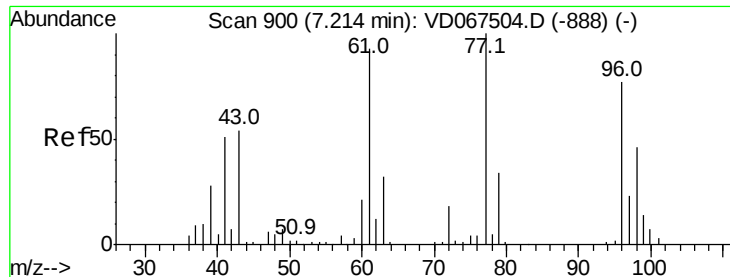


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 108.350 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

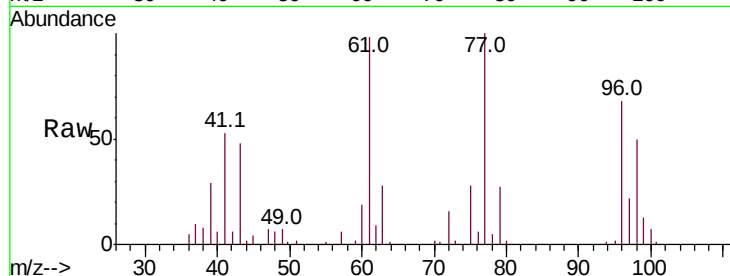
VD1110SBS01

Tot Ion: 43 Resp: 47461

Ion Ratio Lower Upper

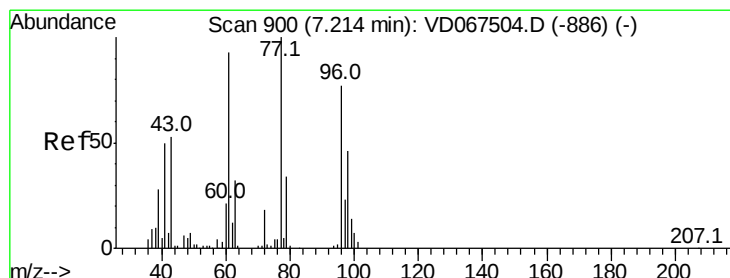
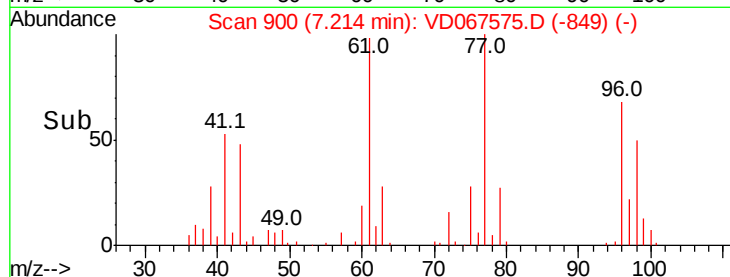
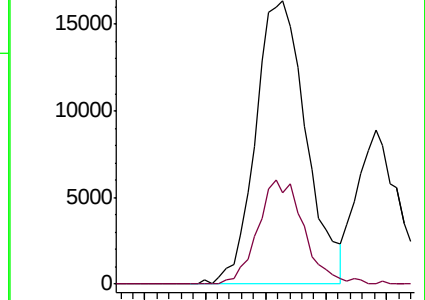
43 100

72 32.4 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.743 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067575.D

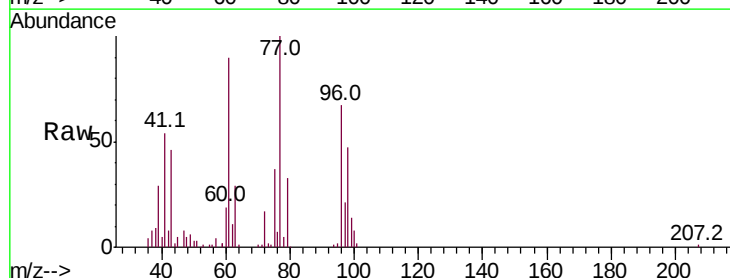
Acq: 10 Nov 2020 11:54

Tgt Ion: 77 Resp: 102383

Ion Ratio Lower Upper

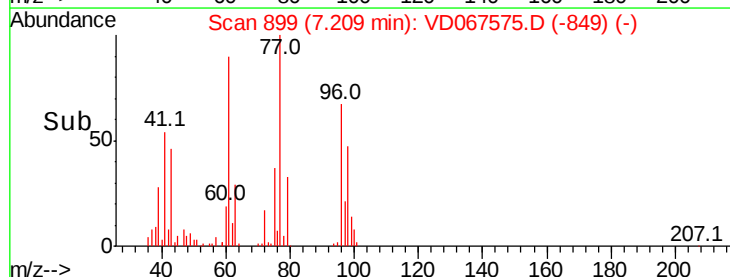
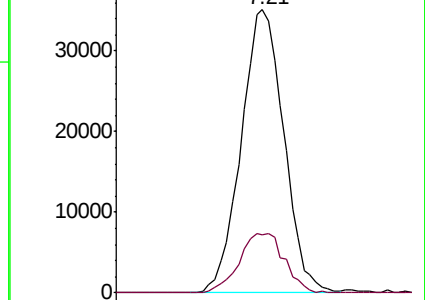
77 100

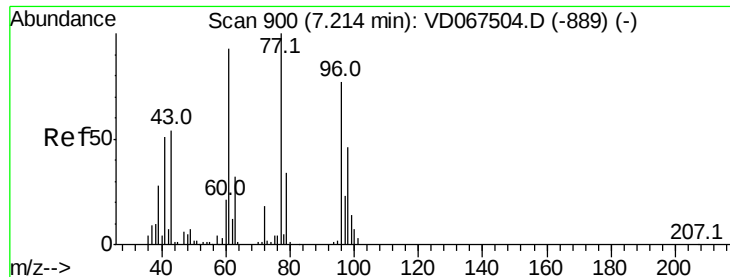
97 22.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.787 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

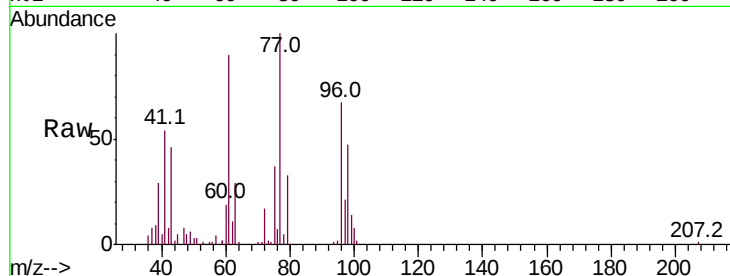
Tot Ion: 96 Resp: 65715

Ion Ratio Lower Upper

96 100

61 132.4 0.0 251.6

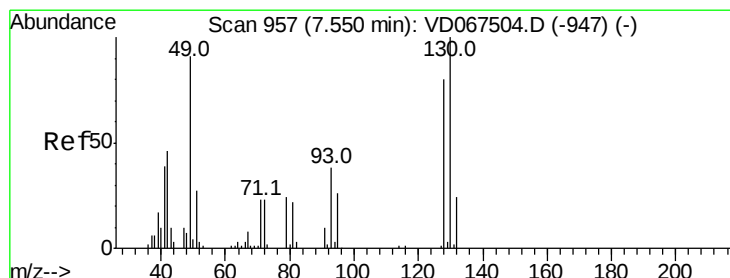
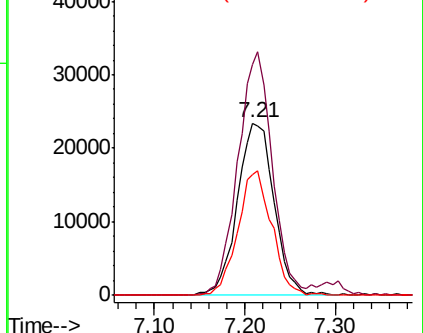
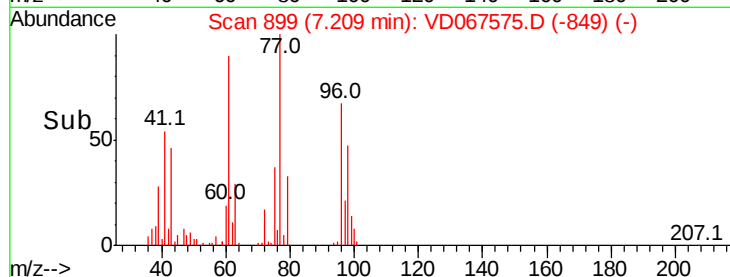
98 66.7 0.0 128.0



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



#28

Bromochloromethane

Concen: 19.531 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

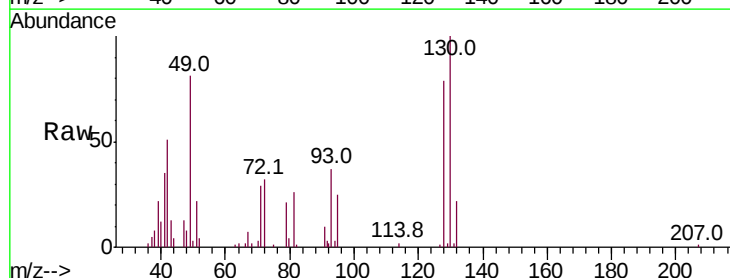
Tgt Ion: 49 Resp: 30997

Ion Ratio Lower Upper

49 100

129 1.1 0.0 6.4

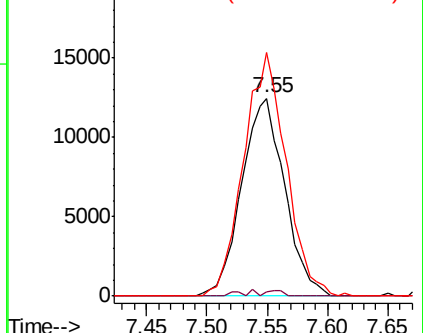
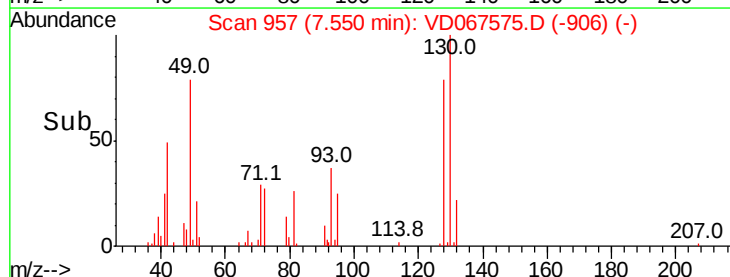
130 121.1 94.6 142.0

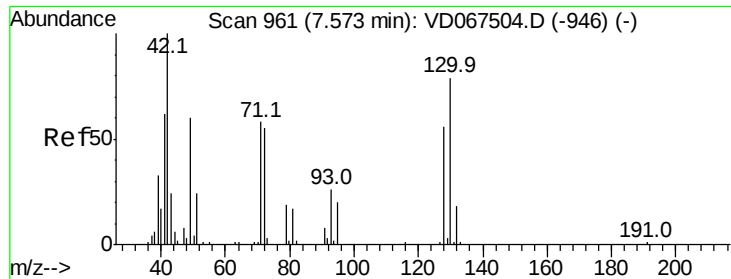


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

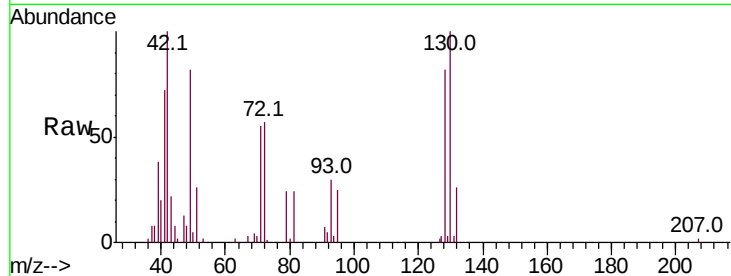




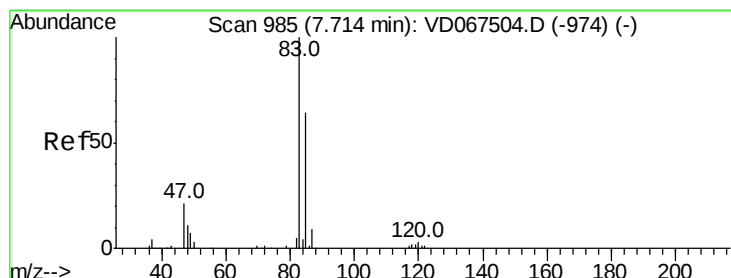
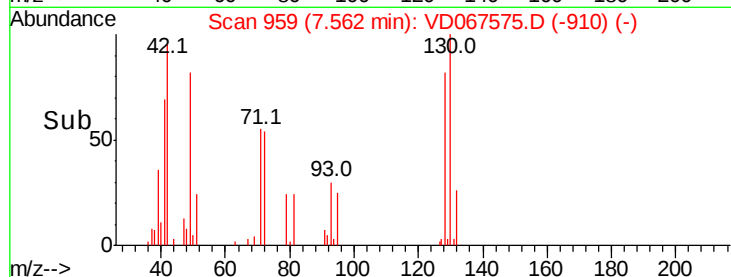
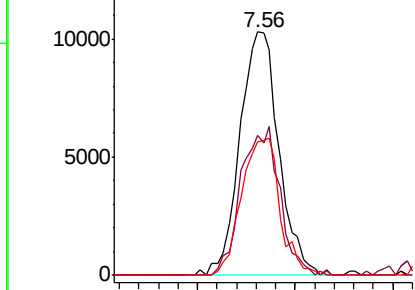
#29
Tetrahydrofuran
Concen: 110.140 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

Tot Ion: 42 Resp: 28899
Ion Ratio Lower Upper
42 100
72 60.0 46.3 69.5
71 55.6 44.0 66.0

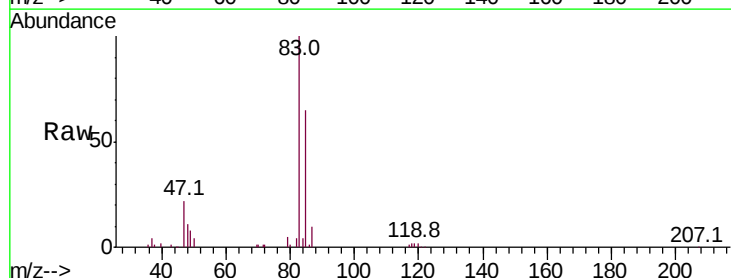


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

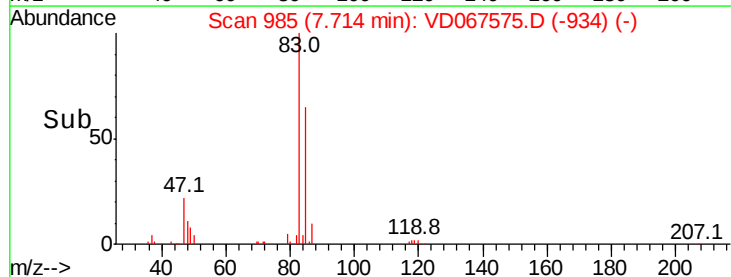
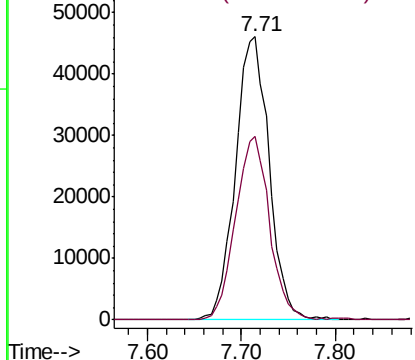


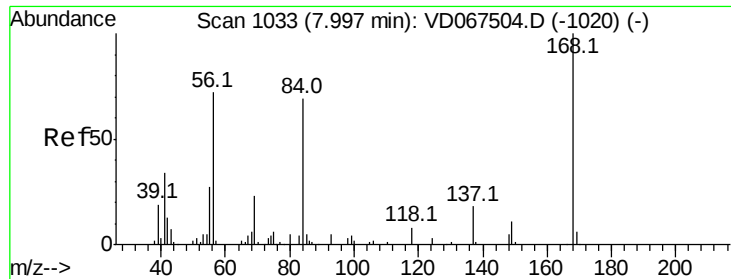
#30
Chloroform
Concen: 21.518 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion: 83 Resp: 114538
Ion Ratio Lower Upper
83 100
85 65.0 51.5 77.3



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

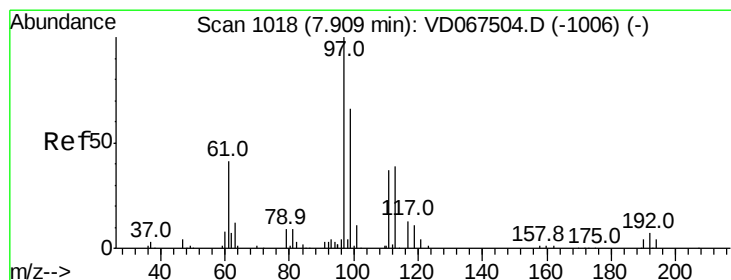
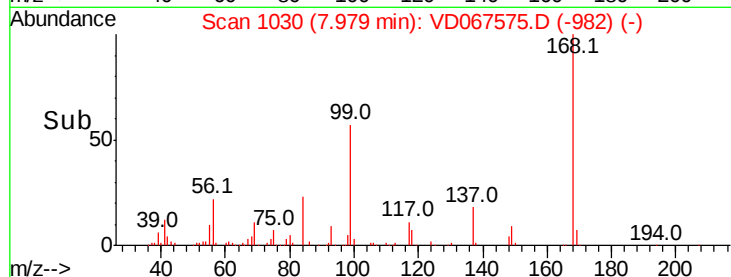
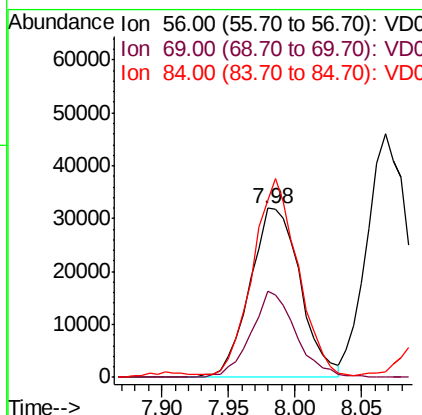
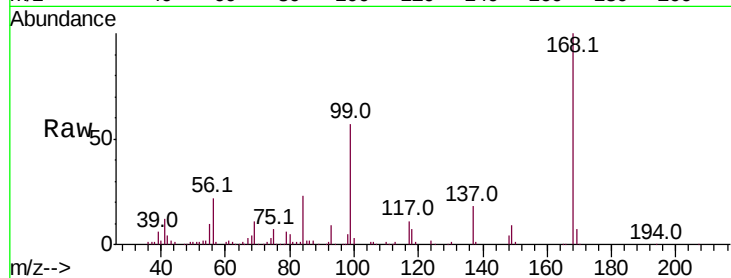




#31
Cyclohexane
Concen: 21.049 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

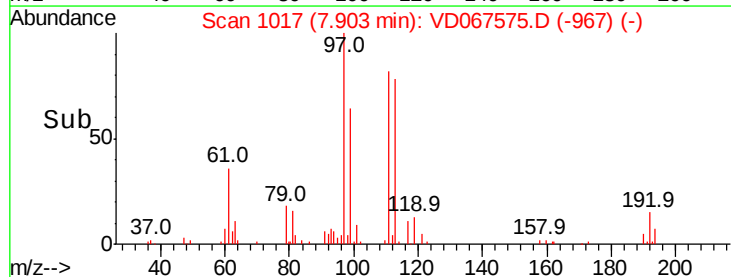
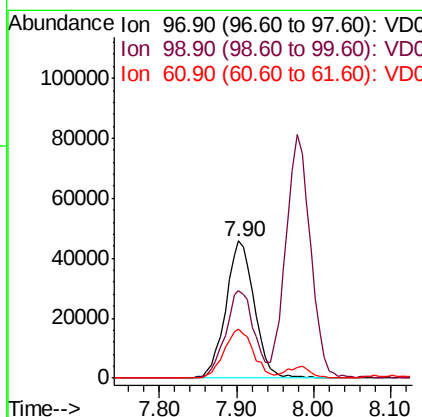
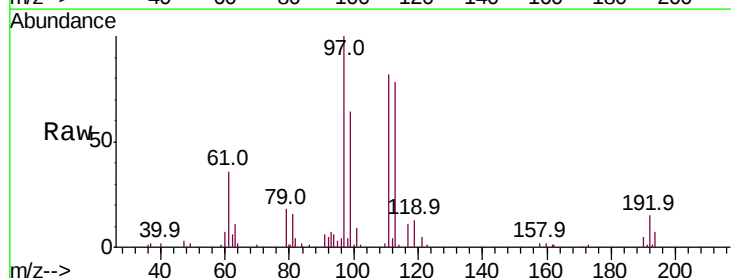
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

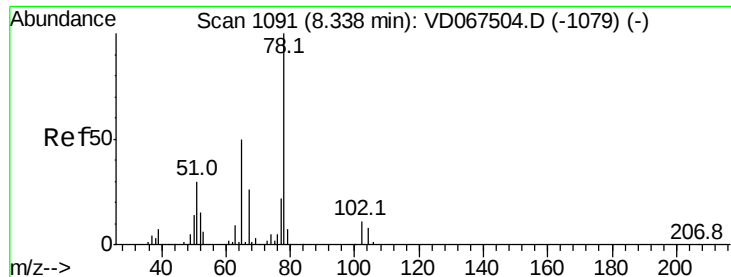
Tot Ion: 56 Resp: 83633
Ion Ratio Lower Upper
56 100
69 51.0 25.9 38.9#
84 102.9 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 21.462 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion: 97 Resp: 117868
Ion Ratio Lower Upper
97 100
99 63.0 51.8 77.6
61 36.3 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 46.191 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

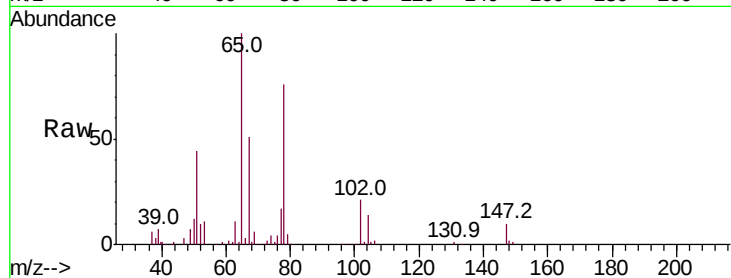
VD1110SBS01

Tot Ion: 65 Resp: 126536

Ion Ratio Lower Upper

65 100

67 51.8 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

50000

40000

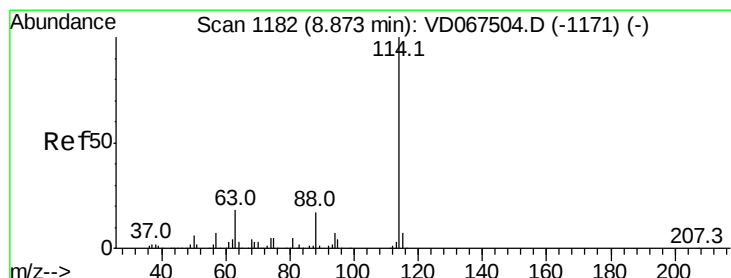
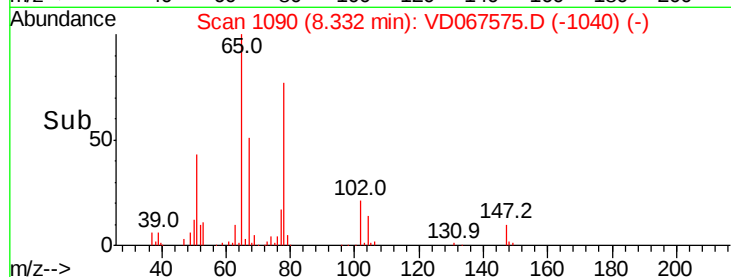
30000

20000

10000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

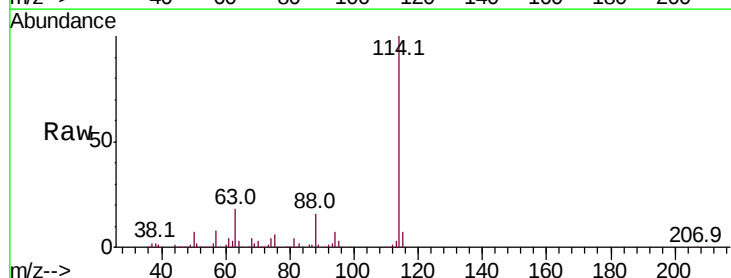
Tgt Ion:114 Resp: 447155

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 16.1 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

300000

250000

200000

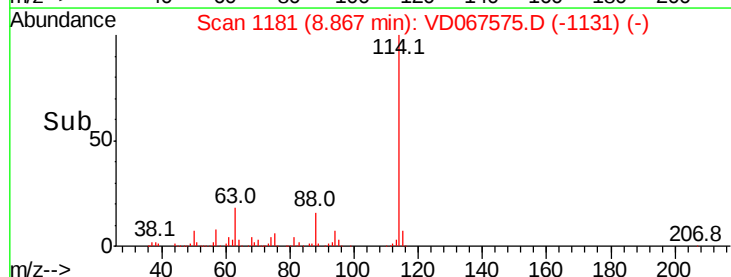
150000

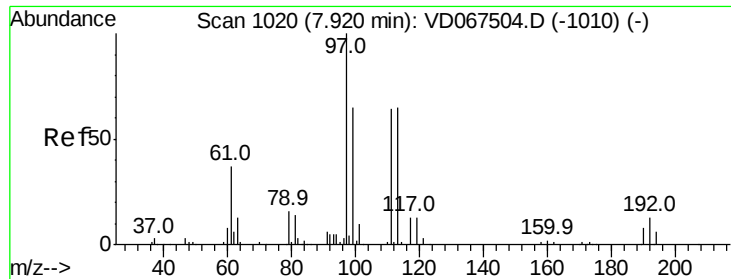
100000

50000

0

Time--> 8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 49.884 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

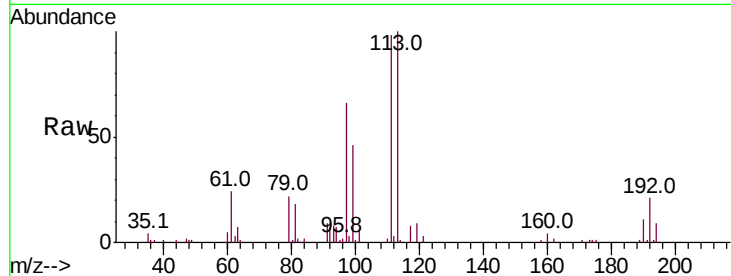
Tot Ion:113 Resp: 134393

Ion Ratio Lower Upper

113 100

111 99.5 80.0 120.0

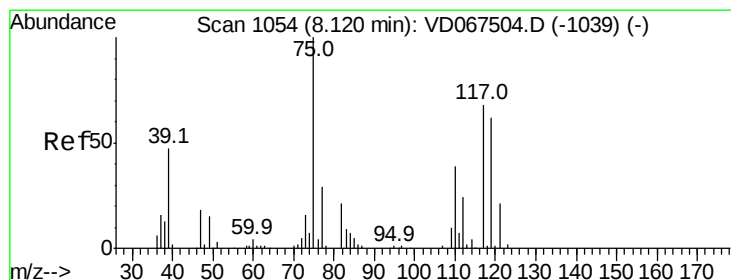
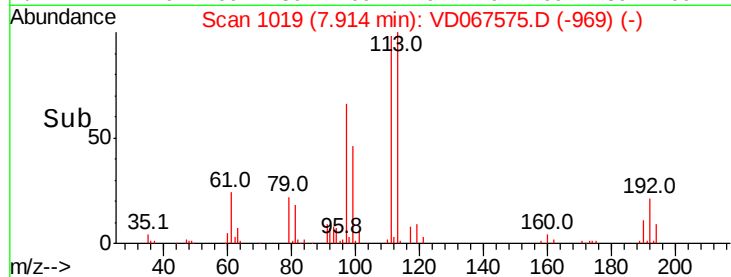
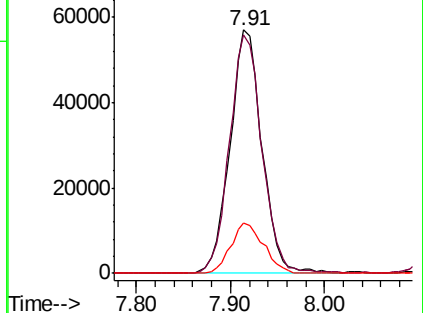
192 21.0 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.838 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

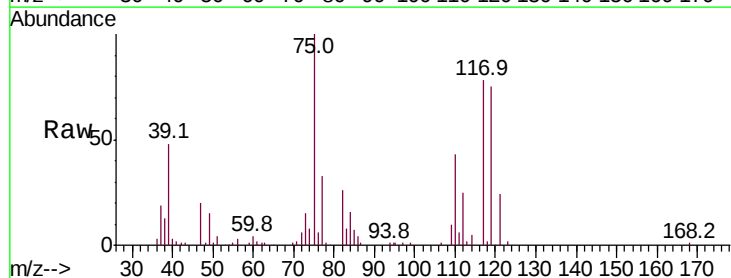
Tgt Ion: 75 Resp: 83588

Ion Ratio Lower Upper

75 100

110 39.9 19.9 59.7

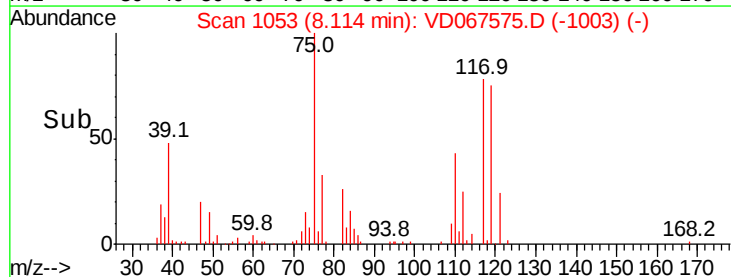
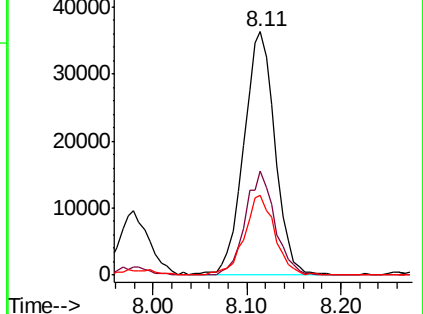
77 31.8 24.8 37.2

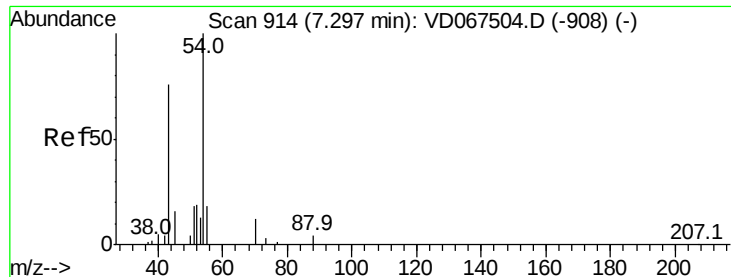


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

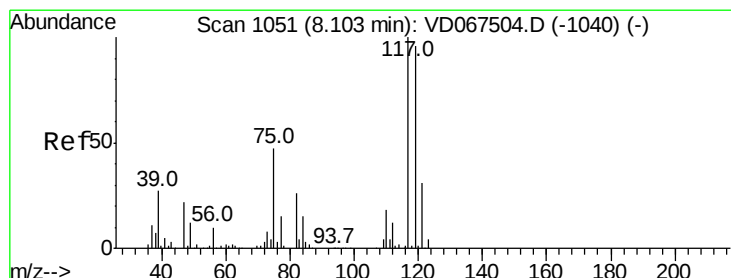
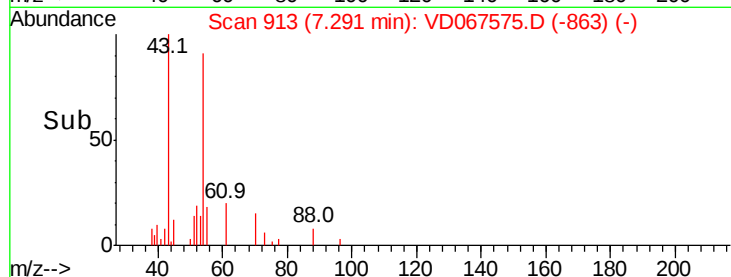
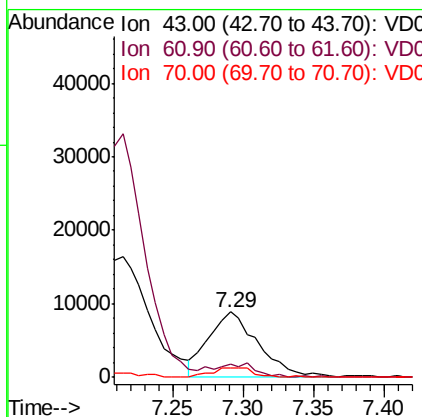
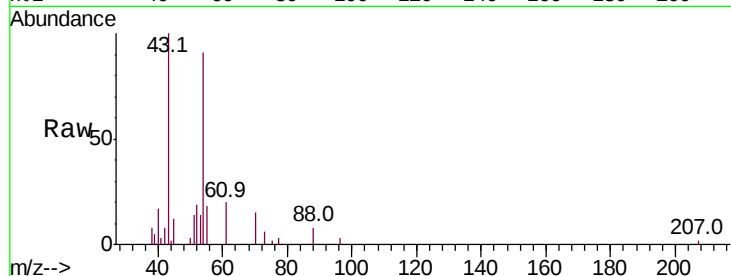




#37
Ethyl Acetate
Concen: 22.067 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

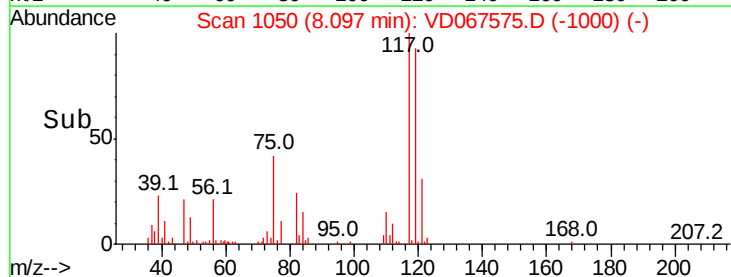
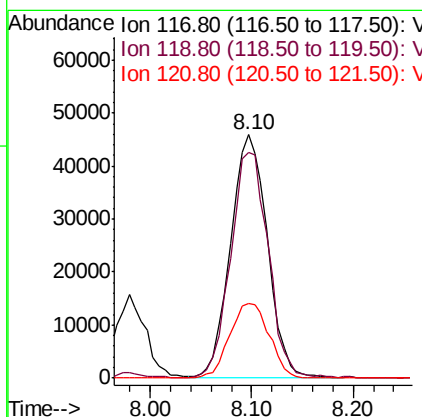
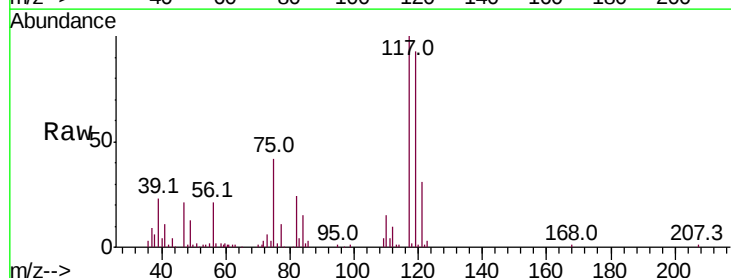
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

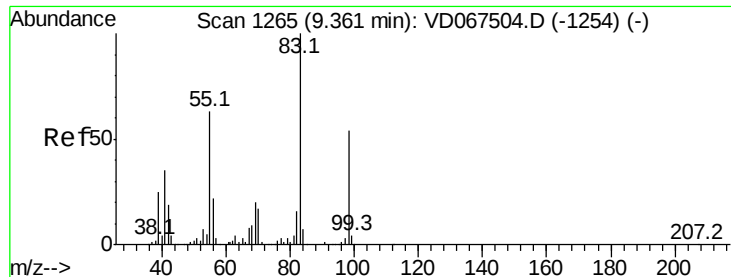
Tot Ion: 43 Resp: 21928
Ion Ratio Lower Upper
43 100
61 18.4 12.8 19.2
70 12.2 11.7 17.5



#38
Carbon Tetrachloride
Concen: 23.310 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion: 117 Resp: 115920
Ion Ratio Lower Upper
117 100
119 92.7 76.9 115.3
121 30.5 24.5 36.7

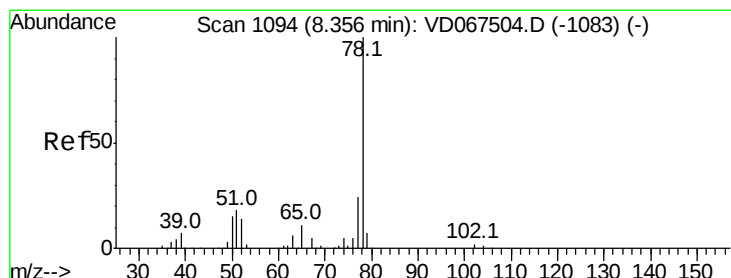
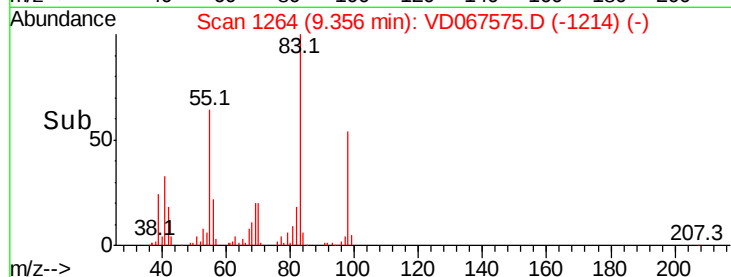
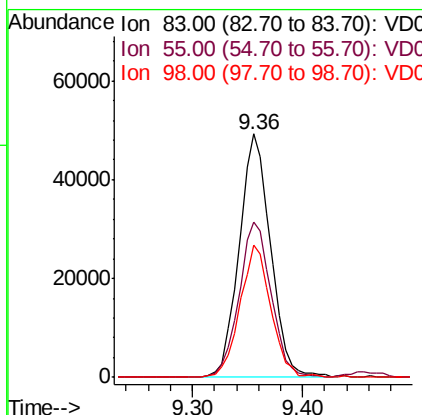
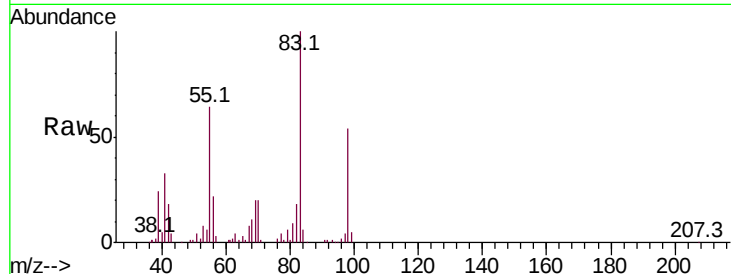




#39
Methvlcvclohexane
Concen: 21.847 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

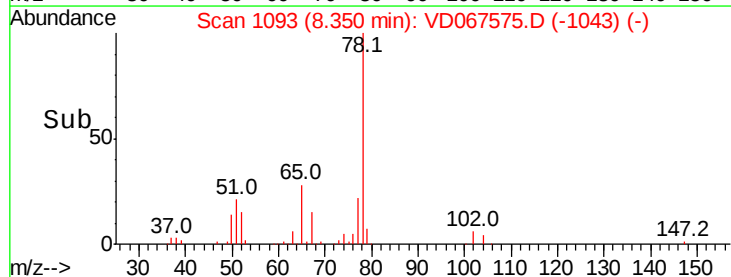
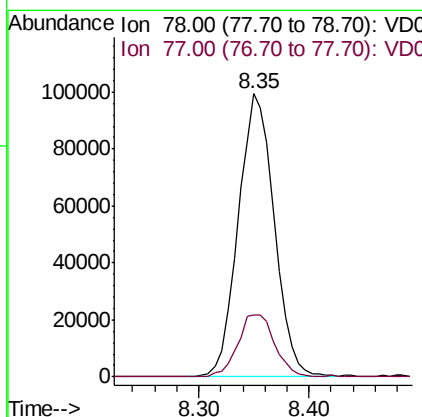
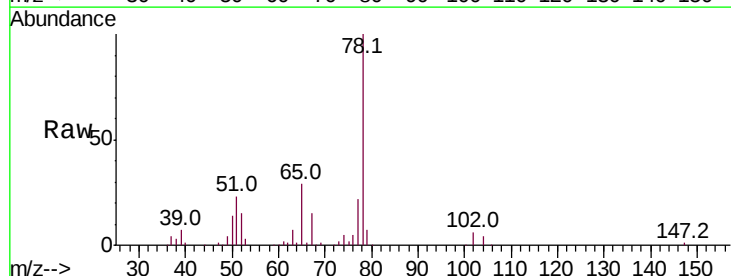
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

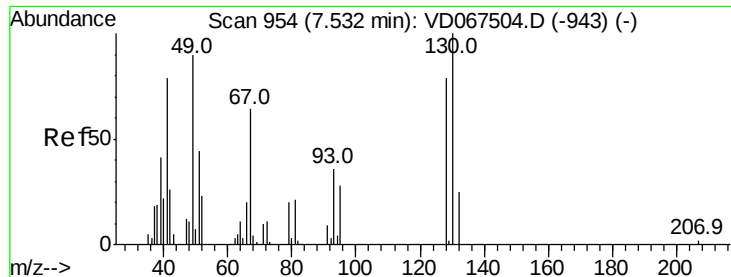
Tot Ion	83	Resp	98421
Ion Ratio	Lower	Upper	
83	100		
55	63.7	50.5	75.7
98	54.3	43.4	65.0



#40
Benzene
Concen: 21.981 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion	78	Resp	227898
Ion Ratio	Lower	Upper	
78	100		
77	21.7	19.1	28.7

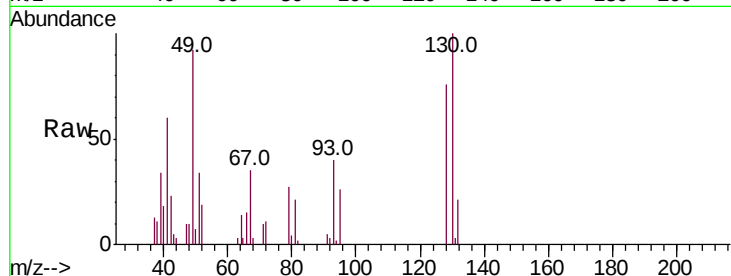




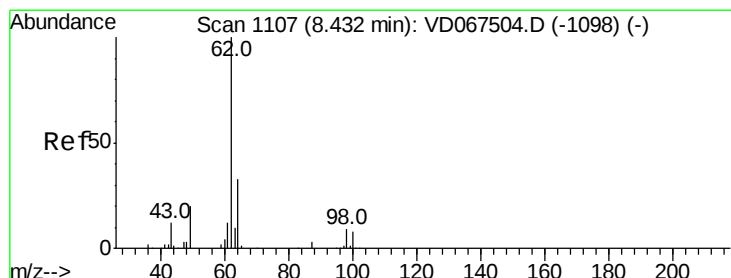
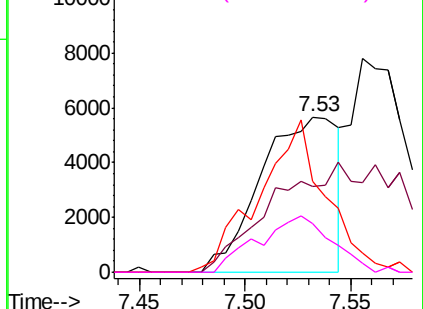
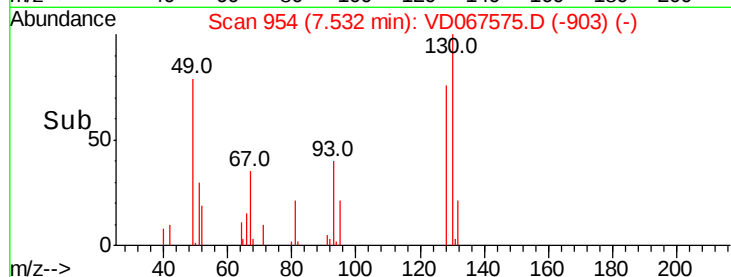
#41
Methacrylonitrile
Concen: 24.336 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

Tot Ion: 41 Resp: 14455
Ion Ratio Lower Upper
41 100
39 0.0 51.3 76.9#
67 84.8 78.9 118.3
52 34.7 31.4 47.2

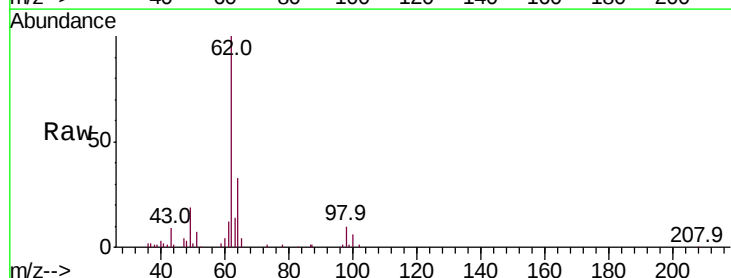


Abundance Ion 41.00 (40.70 to 41.70): VDC
12000 Ion 39.00 (38.70 to 39.70): VDC
10000 Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

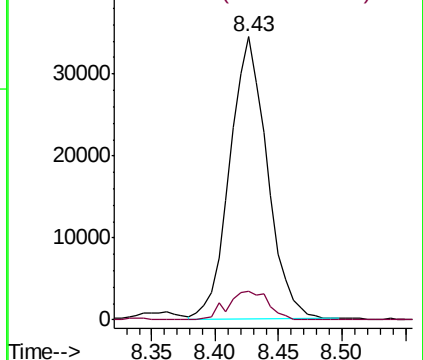
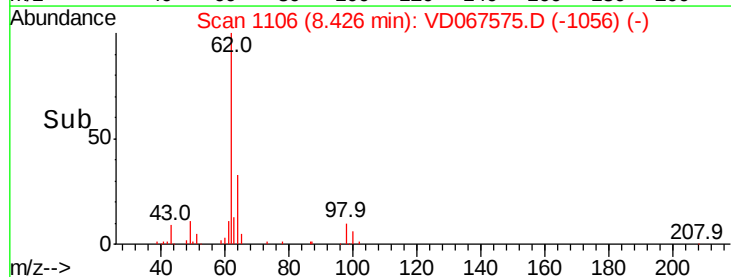


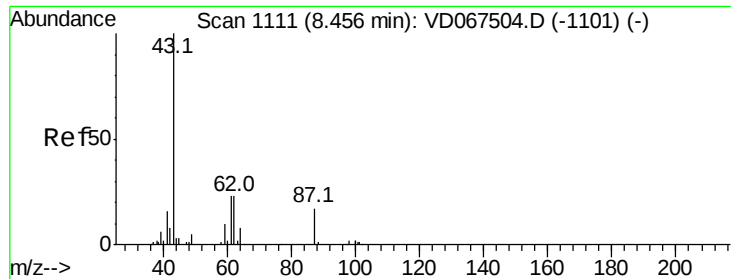
#42
1,2-Dichloroethane
Concen: 21.944 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion: 62 Resp: 70296
Ion Ratio Lower Upper
62 100
98 11.1 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
40000 Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.335 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

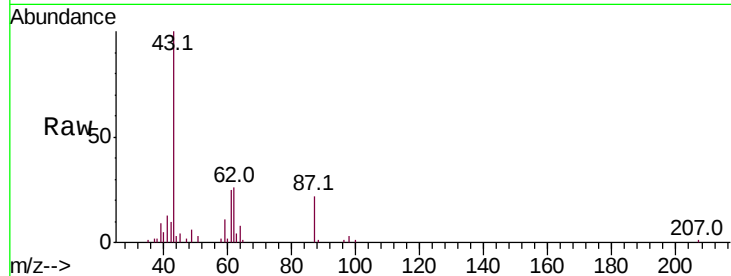
Tot Ion: 43 Resp: 41929

Ion Ratio Lower Upper

43 100

61 42.4 30.5 45.7

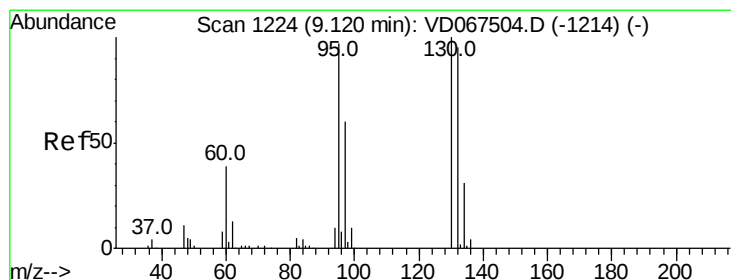
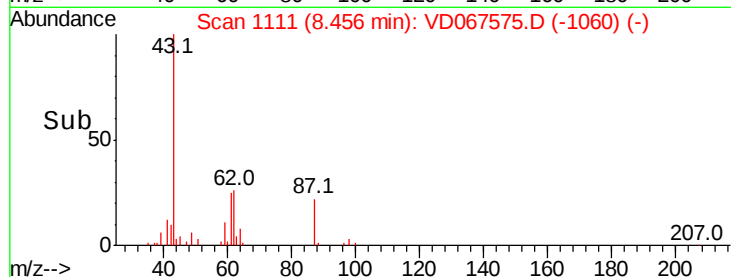
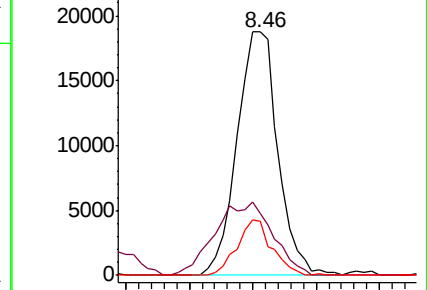
87 19.4 14.7 22.1



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: 21.949 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067575.D

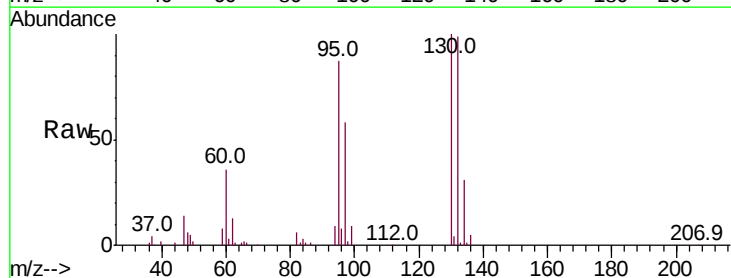
Acq: 10 Nov 2020 11:54

Tgt Ion:130 Resp: 74825

Ion Ratio Lower Upper

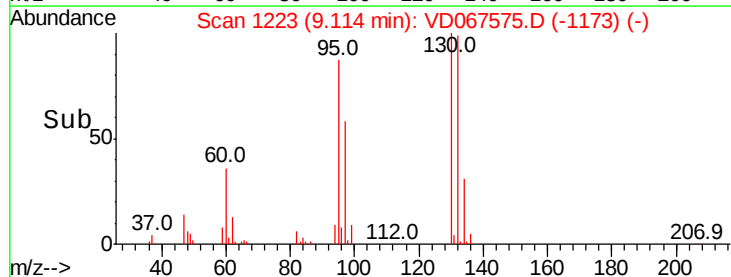
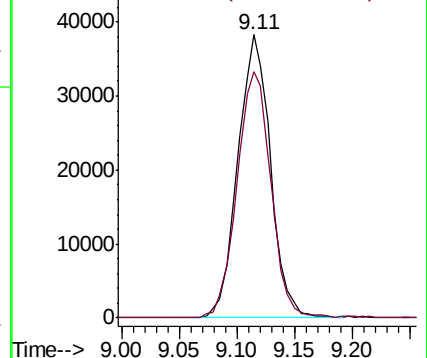
130 100

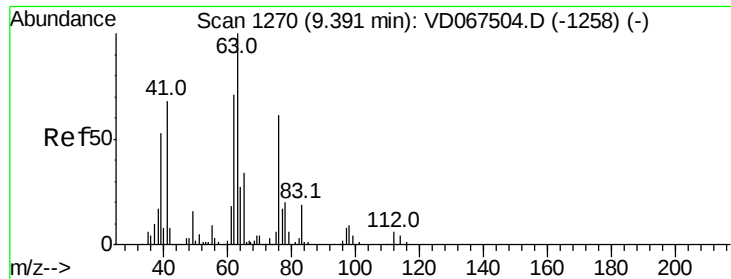
95 87.1 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.505 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

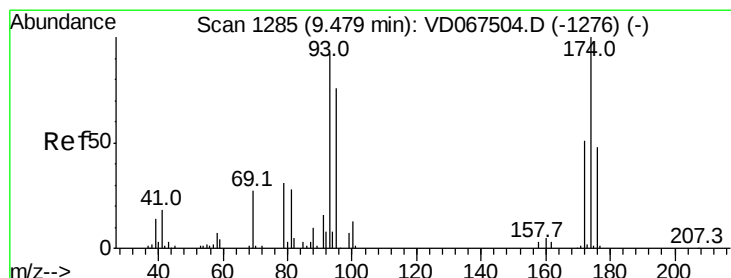
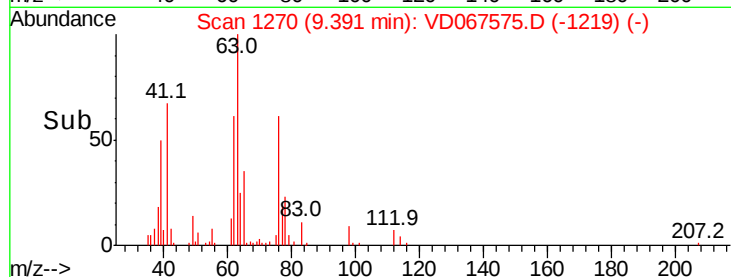
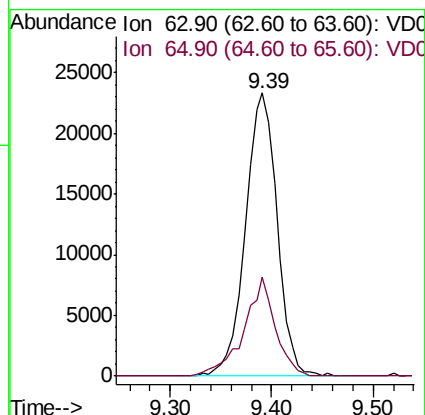
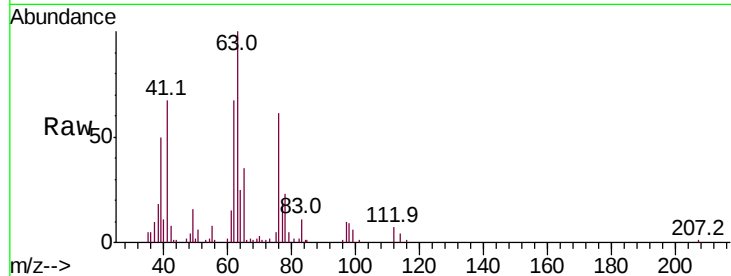
VD1110SBS01

Tot Ion: 63 Resp: 50447

Ion Ratio Lower Upper

63 100

65 34.8 26.9 40.3



#46

Dibromomethane

Concen: 21.258 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

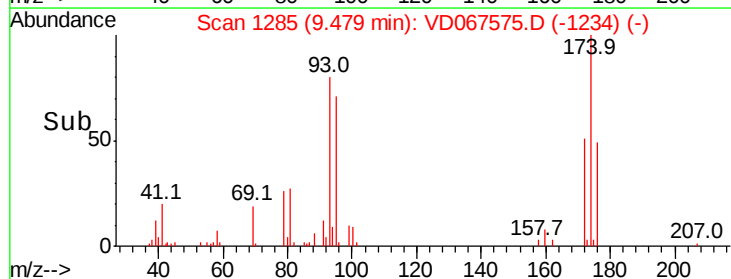
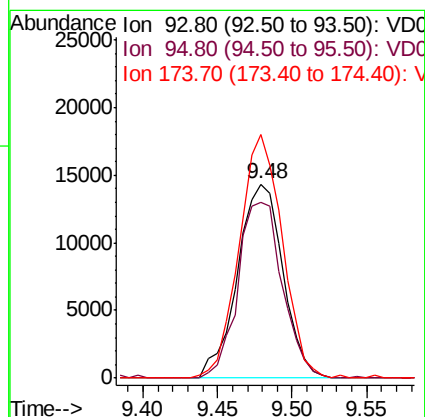
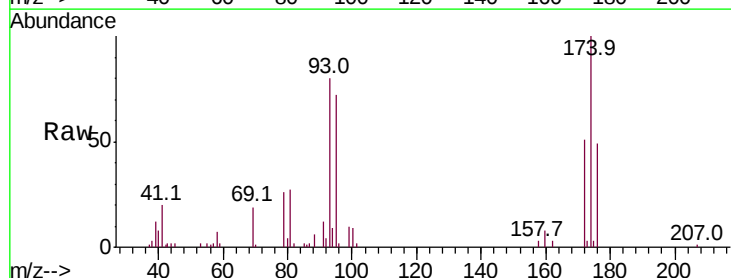
Tgt Ion: 93 Resp: 30299

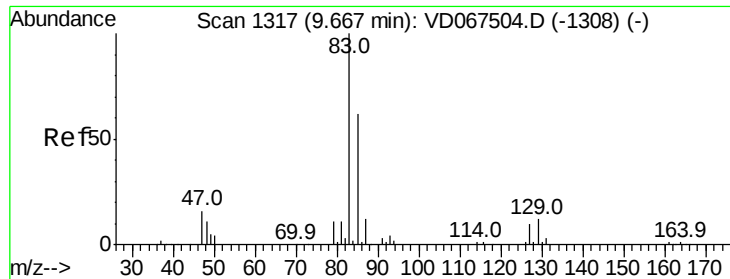
Ion Ratio Lower Upper

93 100

95 88.5 66.4 99.6

174 119.1 88.2 132.4





#47

Bromodichloromethane

Concen: 21.989 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

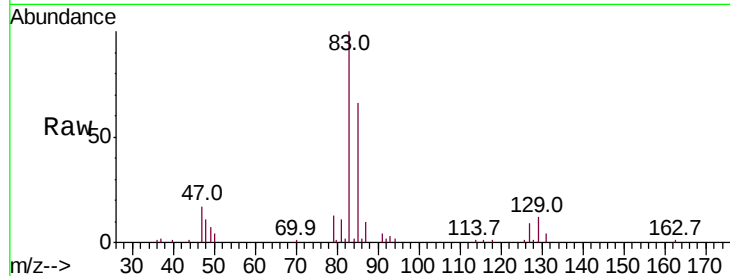
Tot Ion: 83 Resp: 85186

Ion Ratio Lower Upper

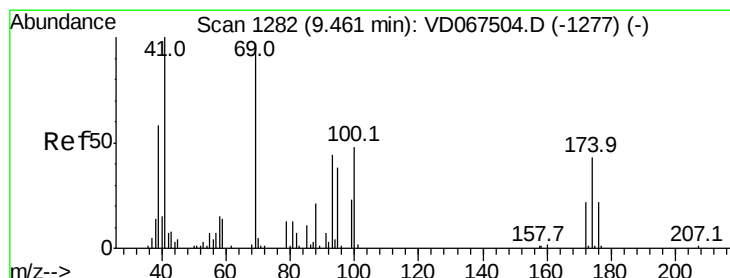
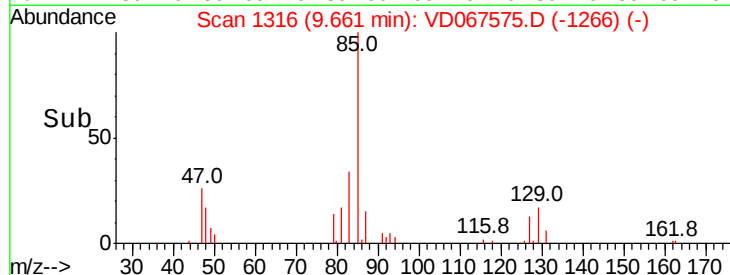
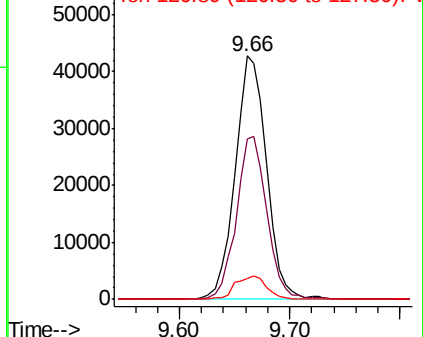
83 100

85 66.0 49.4 74.2

127 8.7 7.7 11.5



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



#48

Methyl methacrylate

Concen: 20.686 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

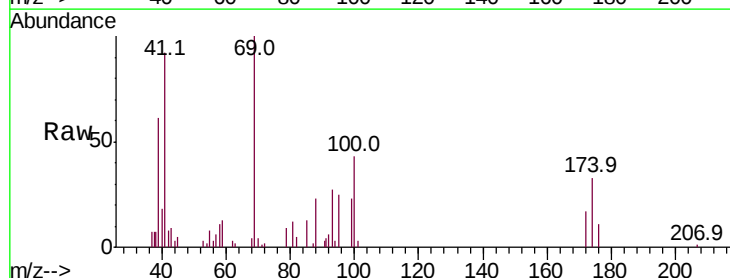
Tgt Ion: 41 Resp: 20990

Ion Ratio Lower Upper

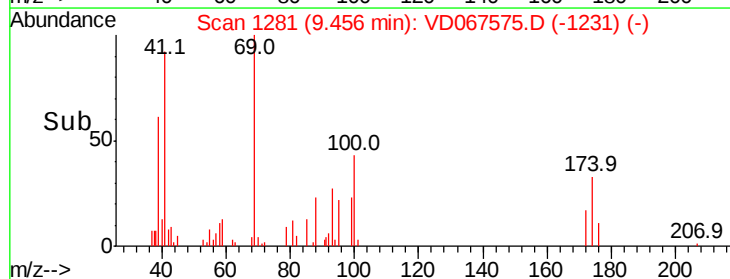
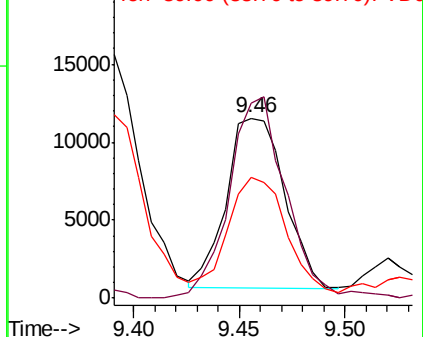
41 100

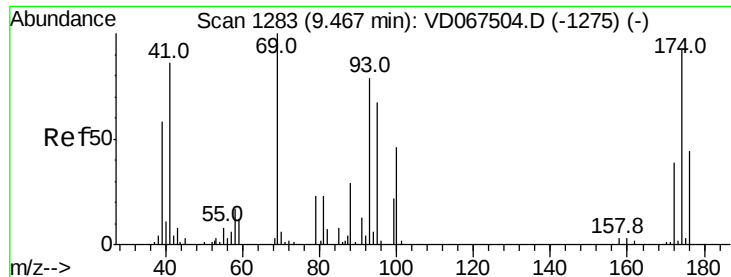
69 115.3 80.6 121.0

39 66.3 50.2 75.4



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





#49

1,4-Dioxane

Concen: 445.431 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

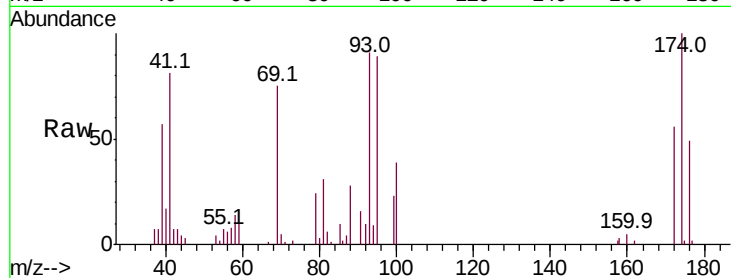
Tot Ion: 88 Resp: 6445

Ion Ratio Lower Upper

88 100

43 29.2 23.6 35.4

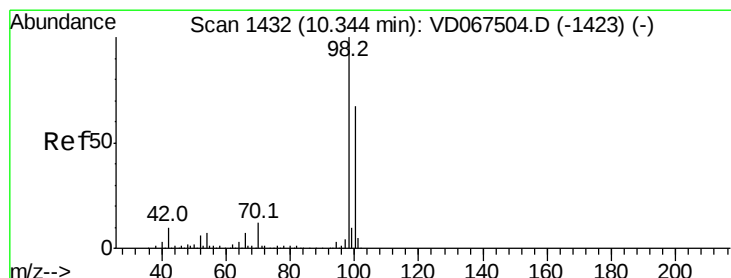
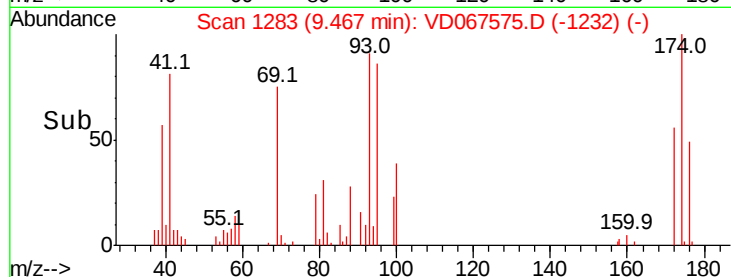
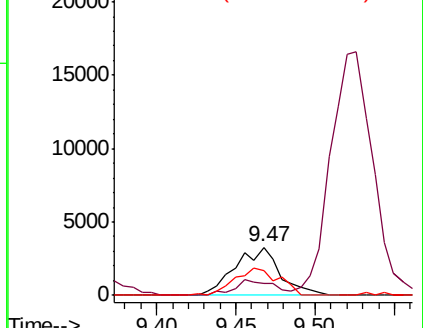
58 55.6 44.7 67.1



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: 48.197 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067575.D

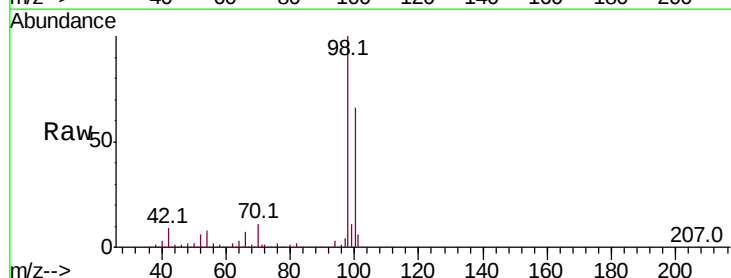
Acq: 10 Nov 2020 11:54

Tgt Ion: 98 Resp: 456317

Ion Ratio Lower Upper

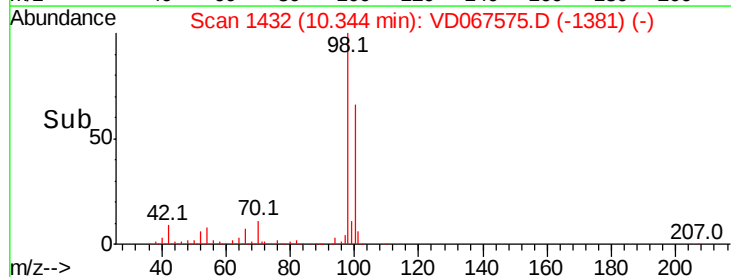
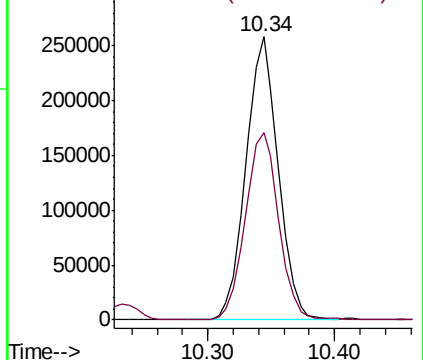
98 100

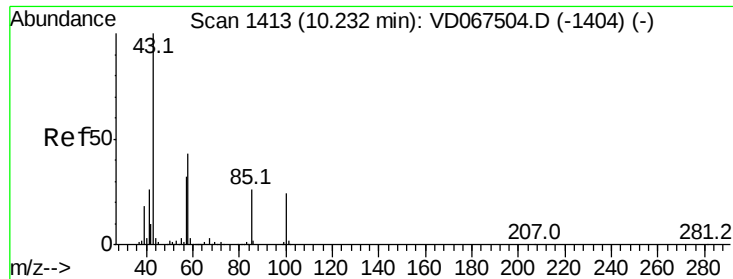
100 68.4 53.0 79.6



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: 112.248 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

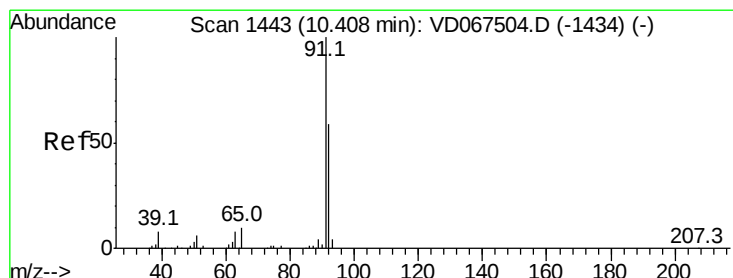
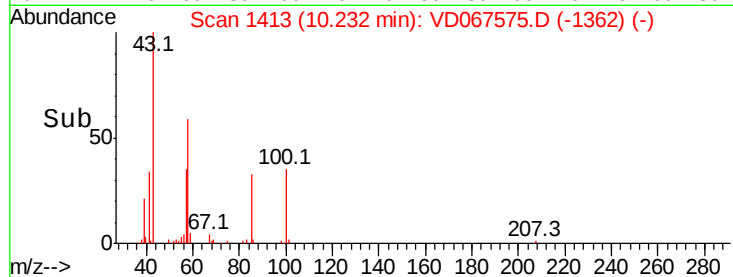
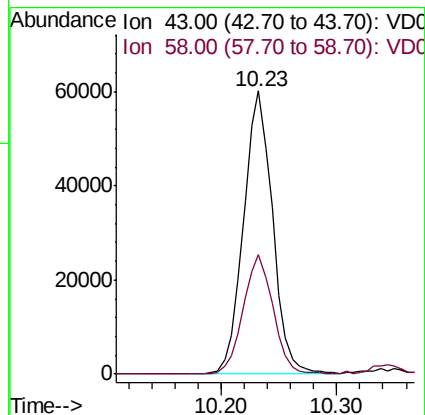
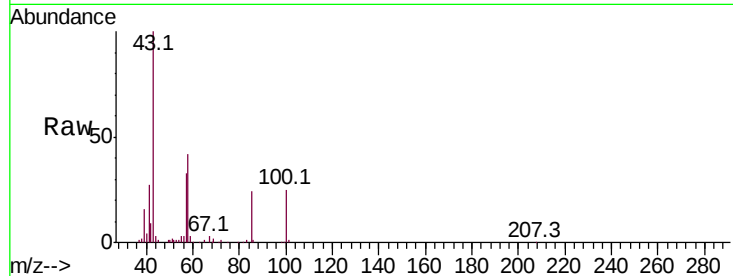
VD1110SBS01

Tot Ion: 43 Resp: 105500

Ion Ratio Lower Upper

43 100

58 43.4 35.6 53.4



#52

Toluene

Concen: 22.416 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067575.D

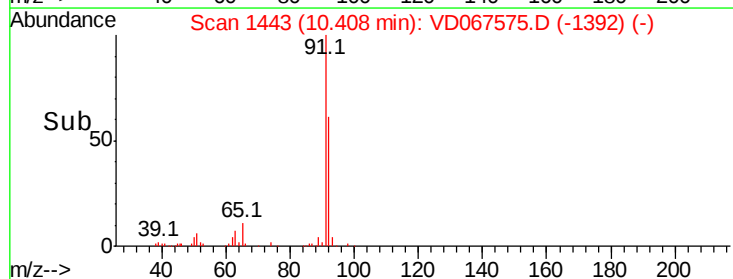
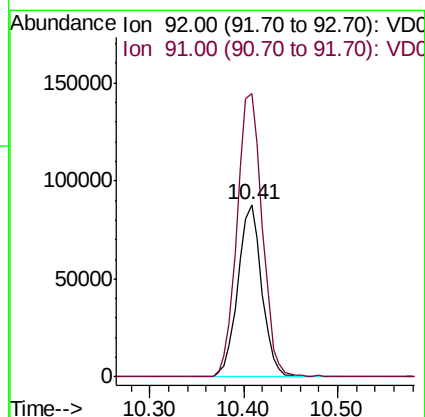
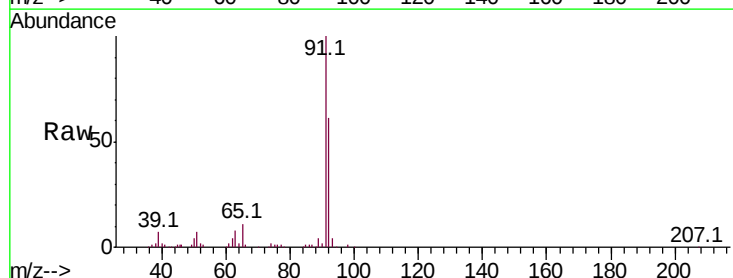
Acq: 10 Nov 2020 11:54

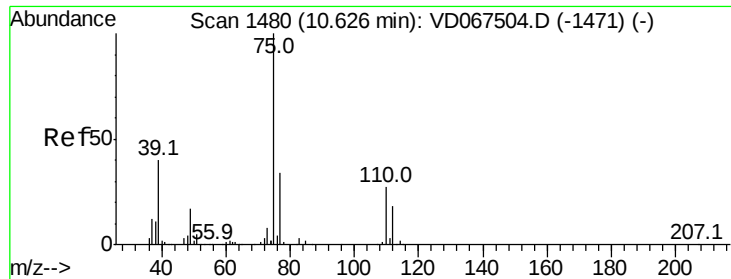
Tgt Ion: 92 Resp: 155664

Ion Ratio Lower Upper

92 100

91 172.9 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 22.208 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

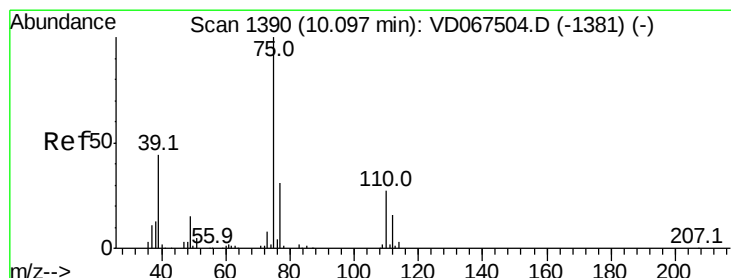
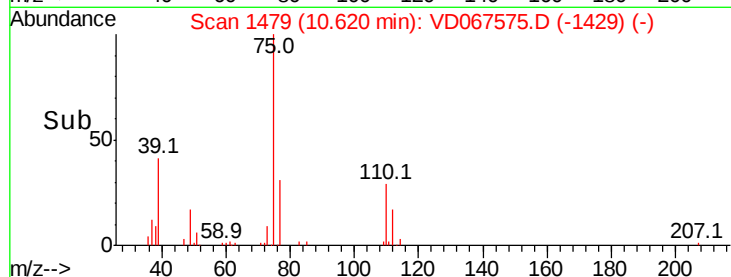
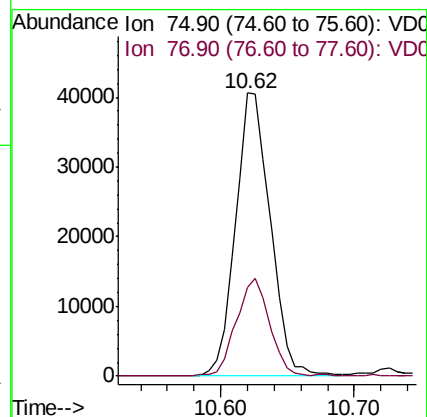
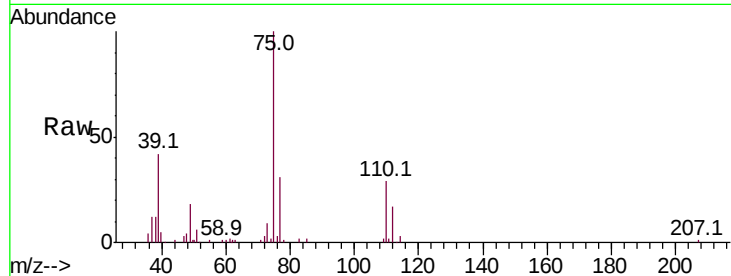
VD1110SBS01

Tot Ion: 75 Resp: 73684

Ion Ratio Lower Upper

75 100

77 31.4 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 22.035 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

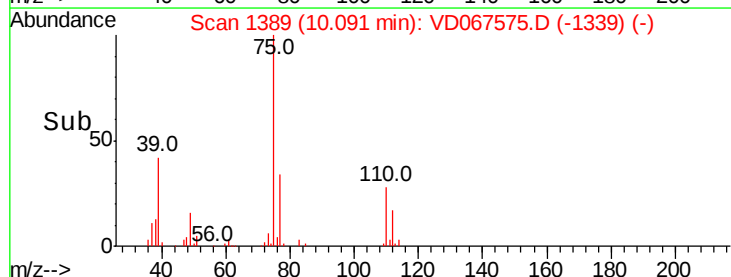
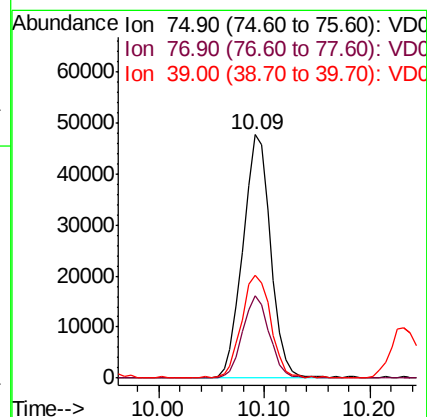
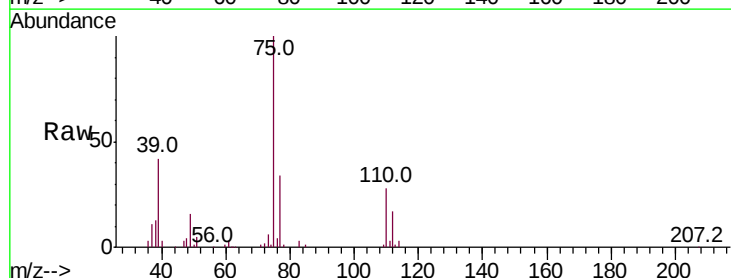
Tgt Ion: 75 Resp: 86864

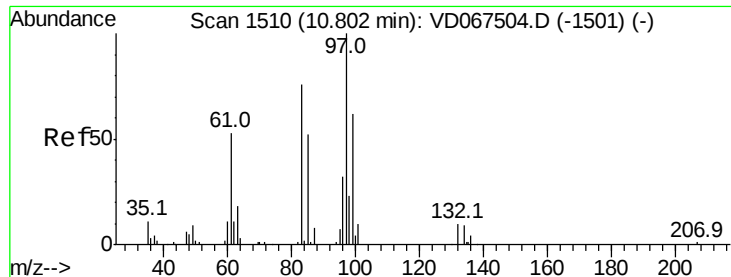
Ion Ratio Lower Upper

75 100

77 33.9 24.4 36.6

39 41.9 35.6 53.4

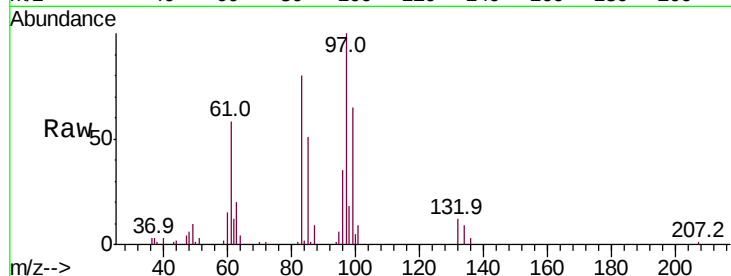




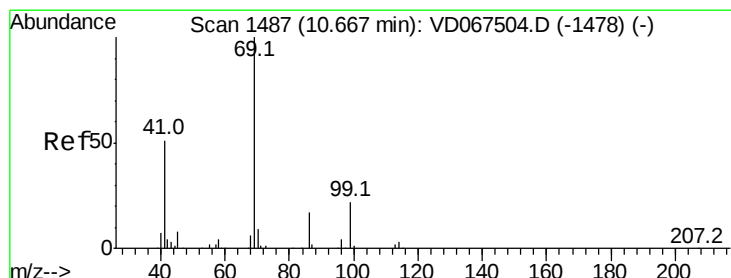
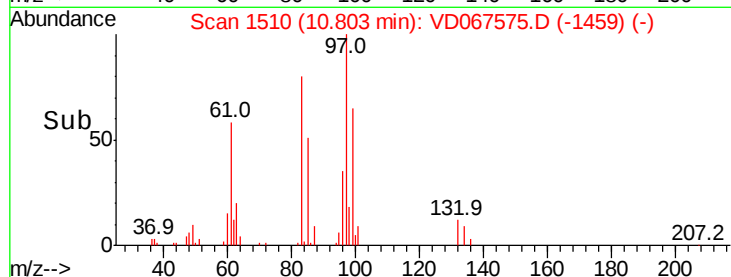
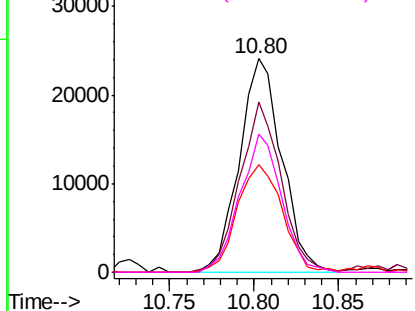
#55
 1,1,2-Trichloroethane
 Concen: 22.376 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

Tot Ion:	97	Resp:	42198
Ion	Ratio	Lower	Upper
97	100		
83	79.9	61.0	91.6
85	50.6	41.5	62.3
99	64.7	49.4	74.2

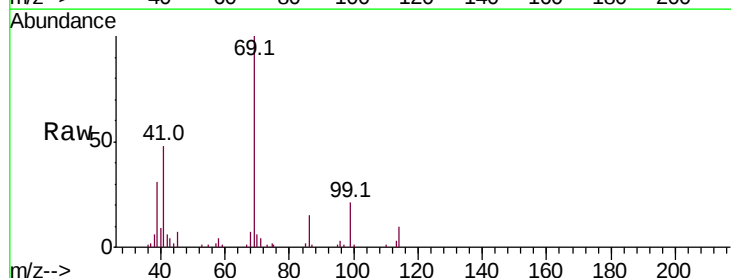


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

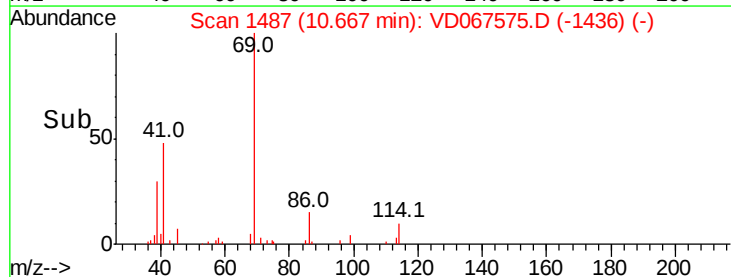
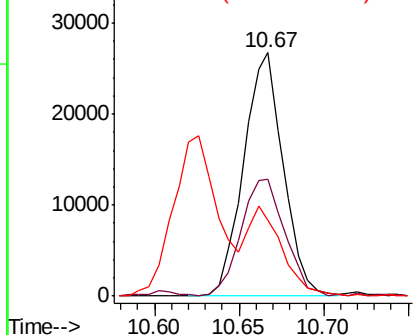


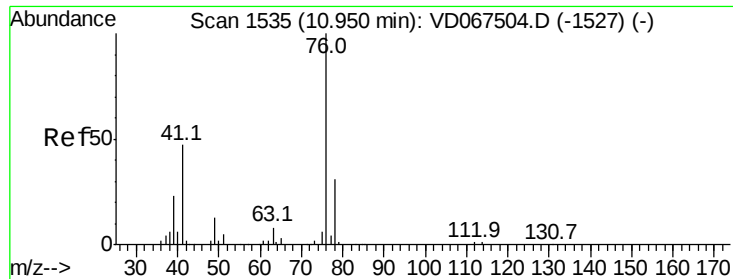
#56
 Ethyl methacrylate
 Concen: 22.453 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Tgt Ion:	69	Resp:	43726
Ion	Ratio	Lower	Upper
69	100		
41	53.5	45.4	68.0
39	32.2	27.4	41.0



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





#57

1,3-Dichloropropane

Concen: 21.711 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

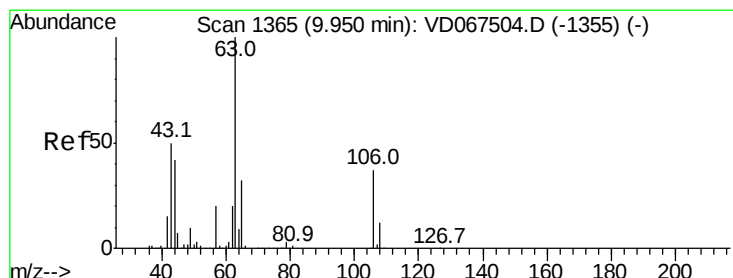
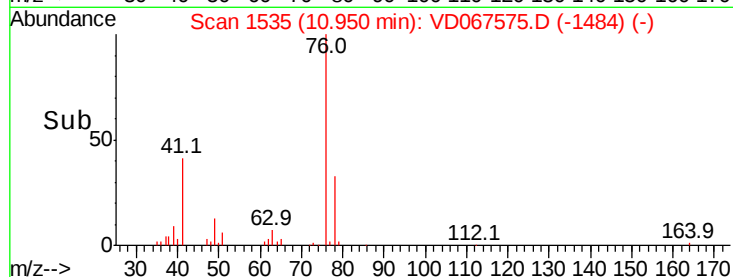
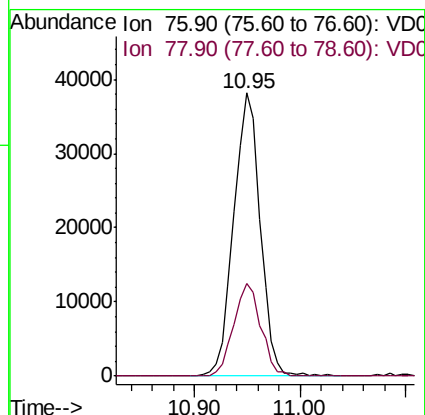
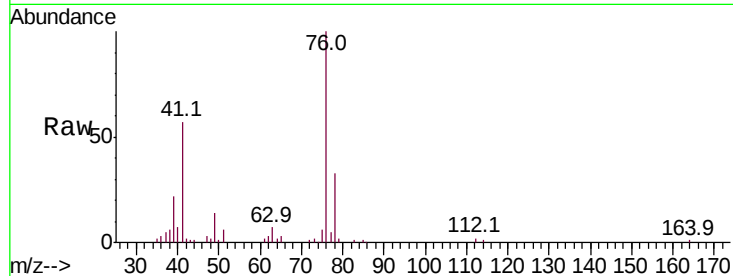
VD1110SBS01

Tot Ion: 76 Resp: 65884

Ion Ratio Lower Upper

76 100

78 33.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 103.094 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067575.D

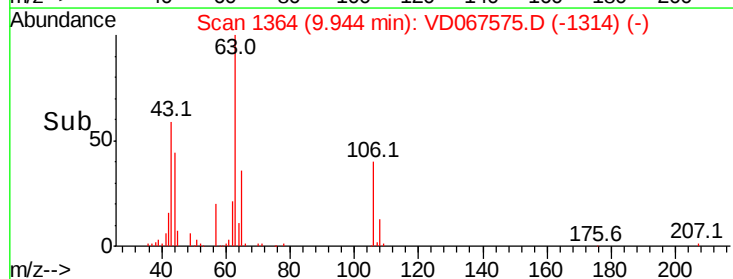
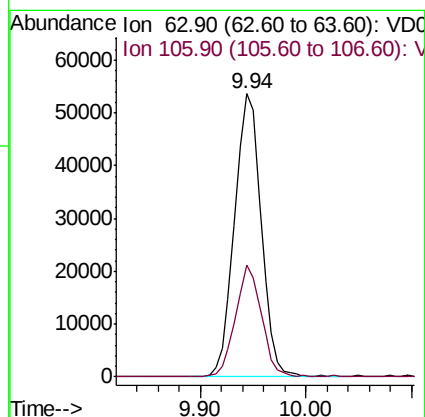
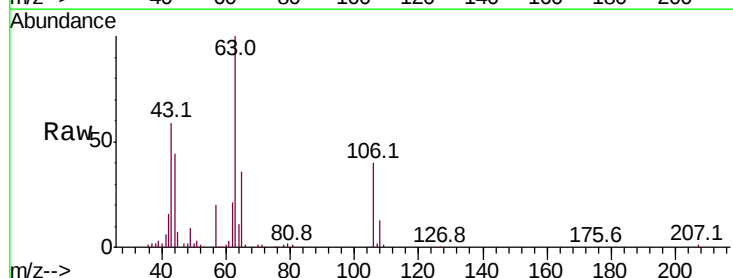
Acq: 10 Nov 2020 11:54

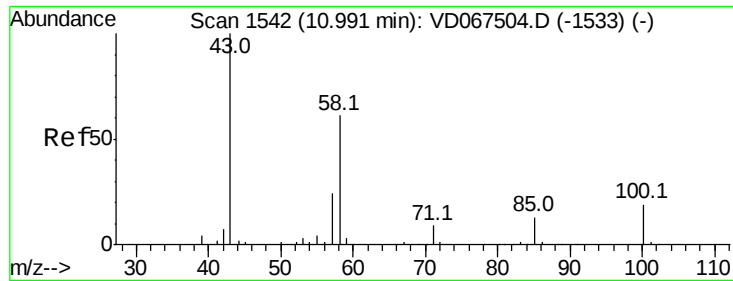
Tgt Ion: 63 Resp: 93625

Ion Ratio Lower Upper

63 100

106 38.2 29.2 43.8

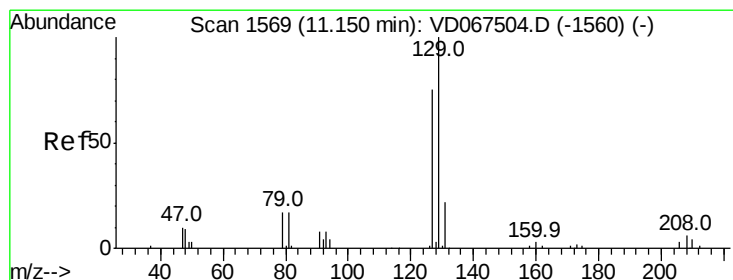
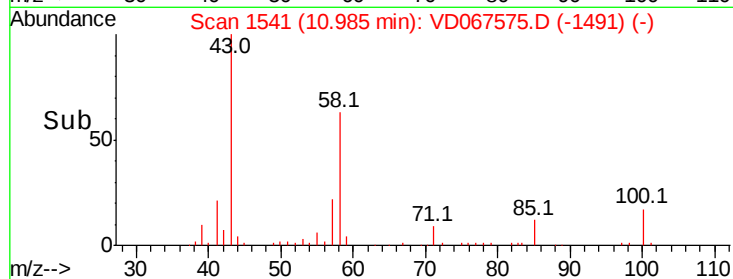
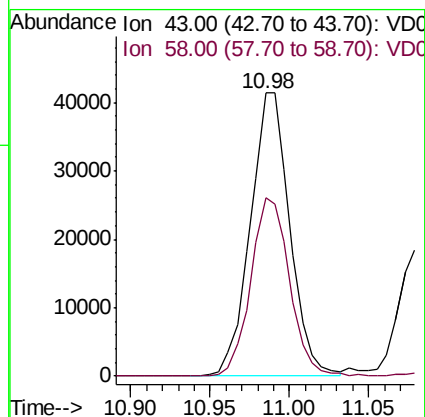
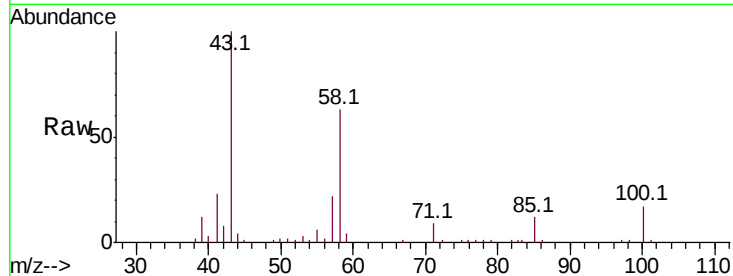




#59
2-Hexanone
Concen: 109.301 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

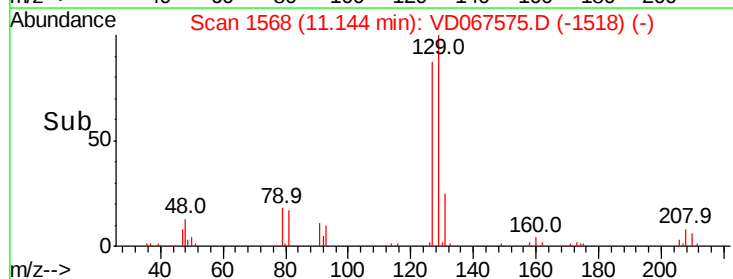
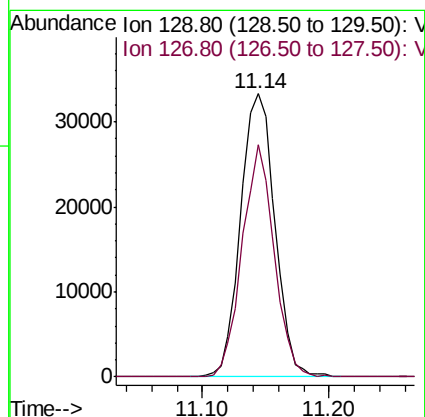
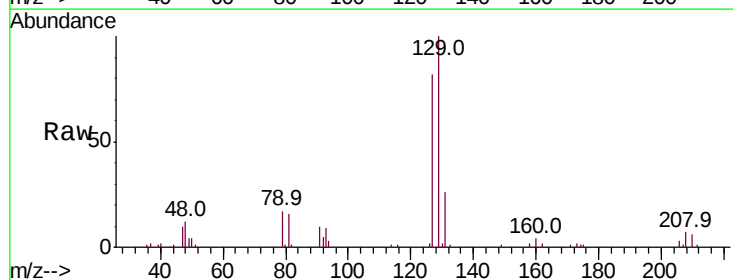
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

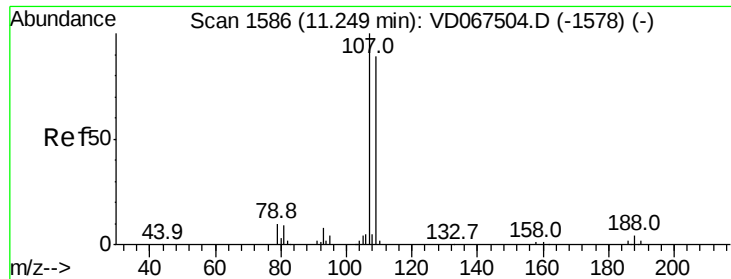
Tot Ion: 43 Resp: 71829
Ion Ratio Lower Upper
43 100
58 61.8 30.3 90.9



#60
Dibromochloromethane
Concen: 22.444 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion: 129 Resp: 62611
Ion Ratio Lower Upper
129 100
127 76.4 38.0 114.1

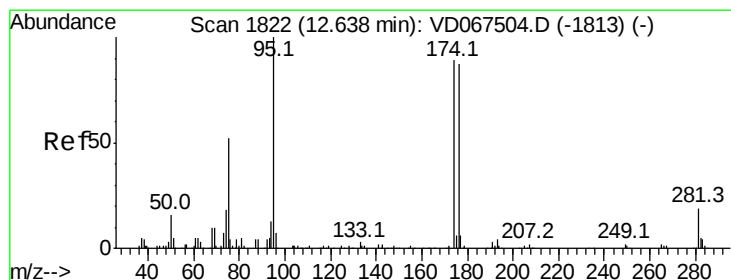
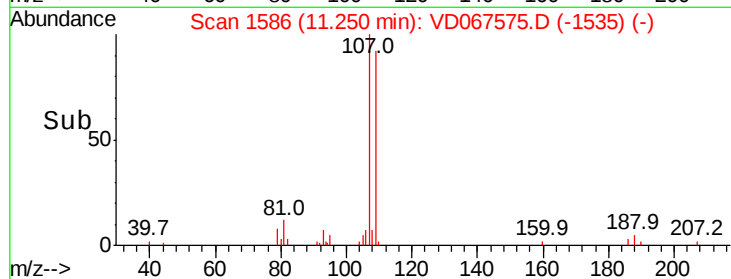
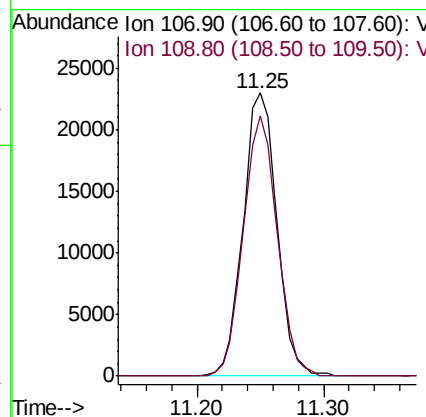
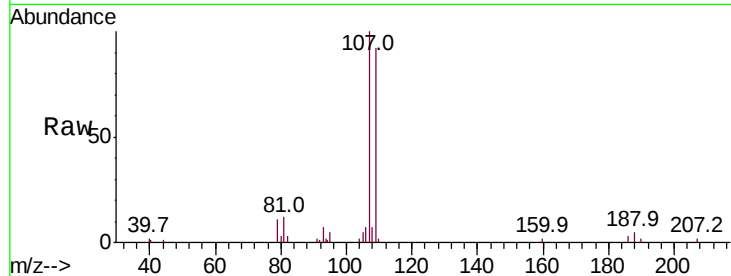




#61
 1,2-Dibromoethane
 Concen: 22.494 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

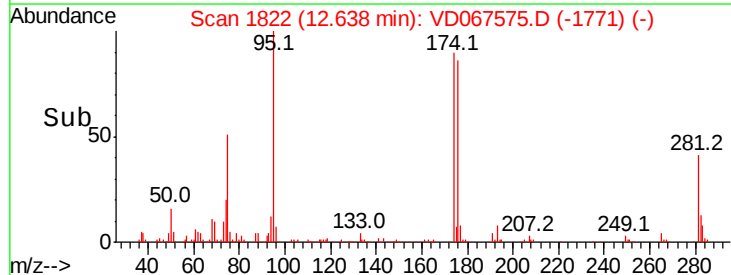
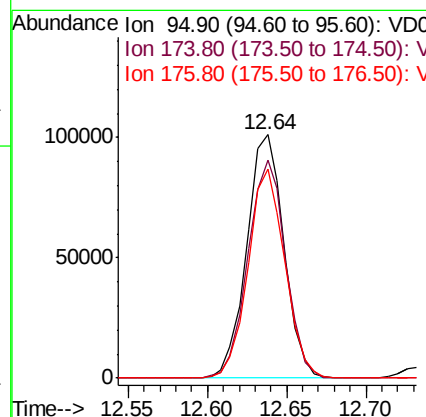
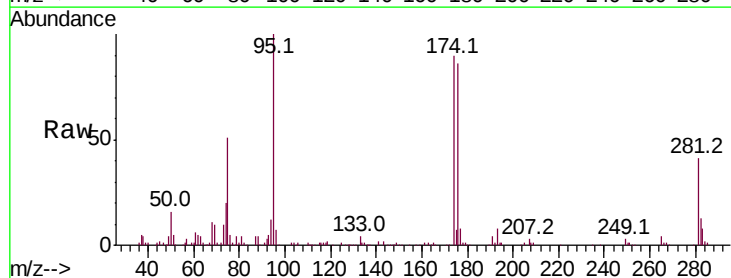
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

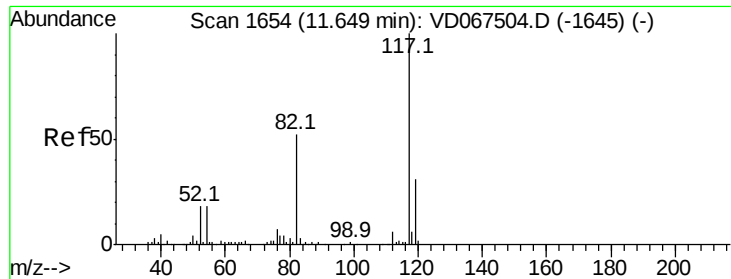
Tot Ion:107 Resp: 42575
 Ion Ratio Lower Upper
 107 100
 109 92.3 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 50.398 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Tgt Ion: 95 Resp: 164736
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 177.8
 176 84.8 0.0 172.0

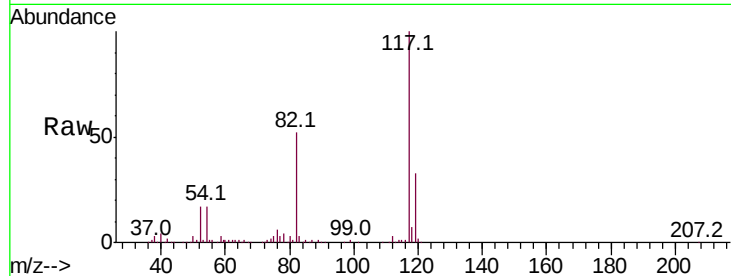




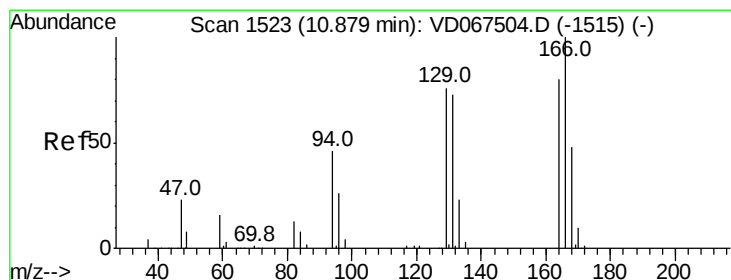
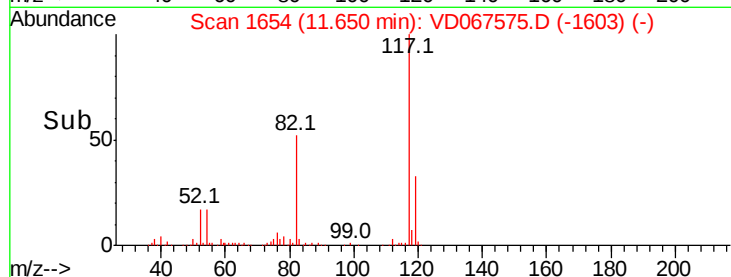
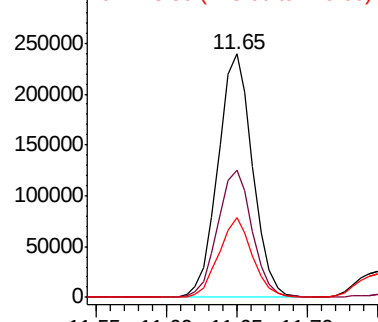
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

Tot Ion:117 Resp: 412064
Ion Ratio Lower Upper
117 100
82 52.0 41.6 62.4
119 33.0 25.1 37.7

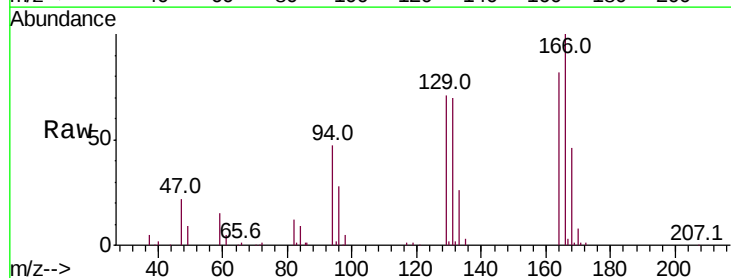


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

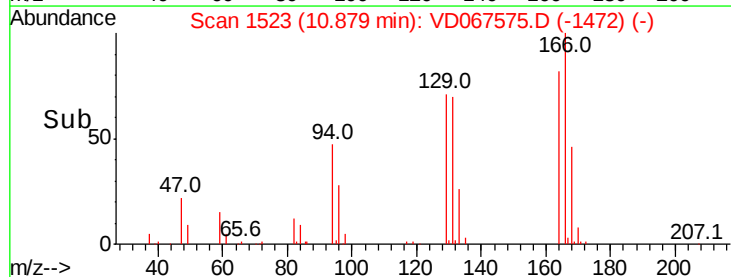
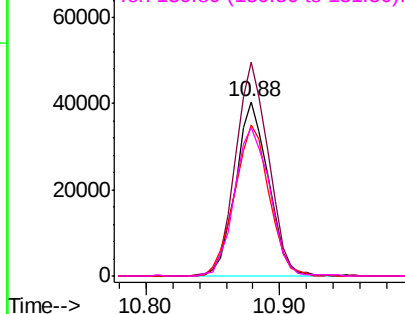


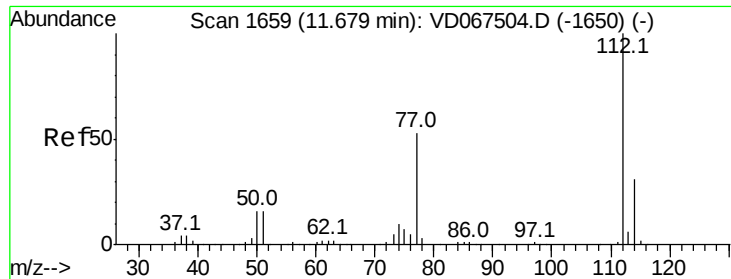
#64
Tetrachloroethene
Concen: 22.479 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion:164 Resp: 68599
Ion Ratio Lower Upper
164 100
166 122.5 99.9 149.9
129 86.9 75.5 113.3
131 85.4 73.4 110.0



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

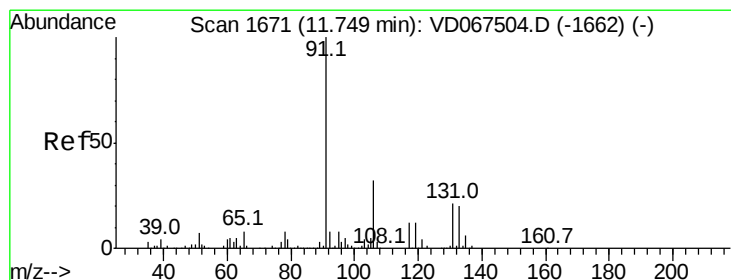
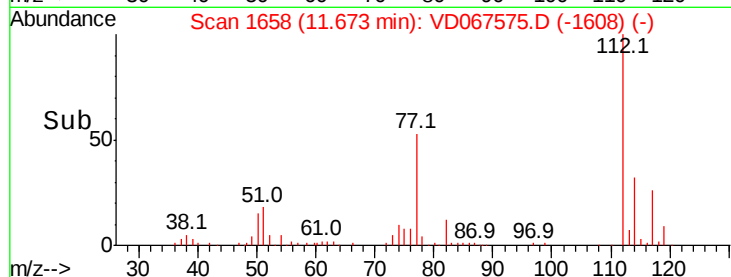
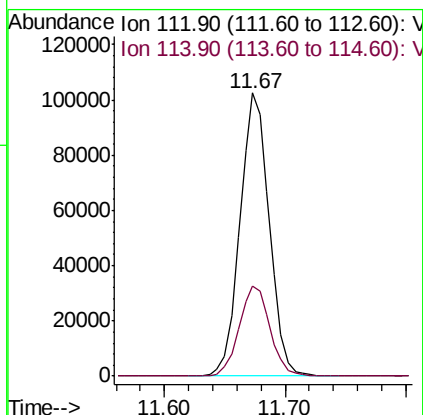
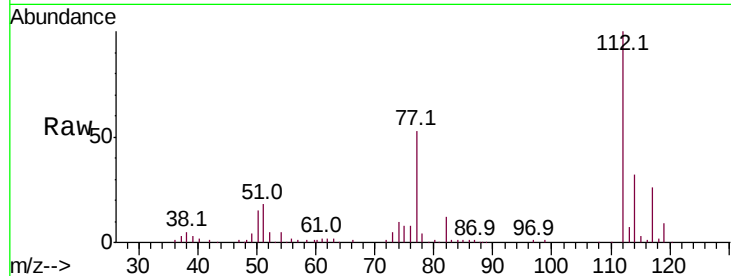




#65
Chlorobenzene
Concen: 21.744 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

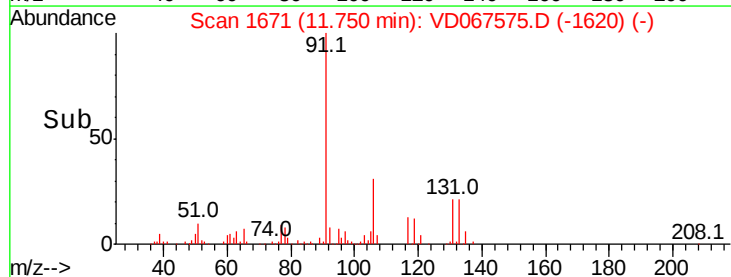
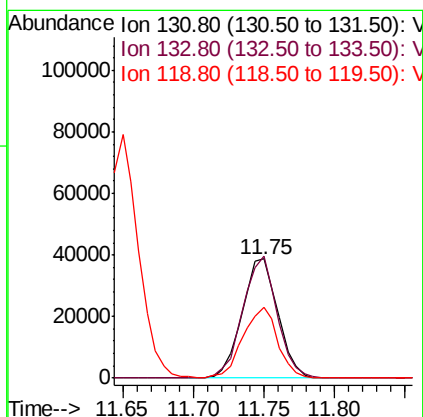
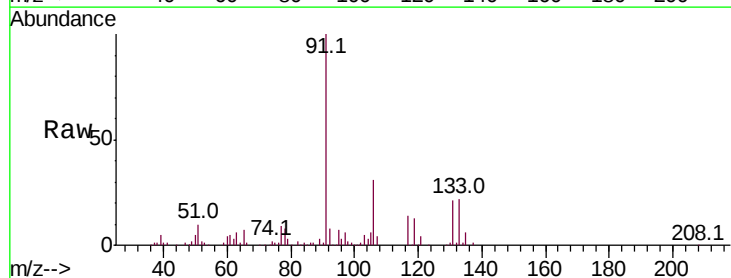
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

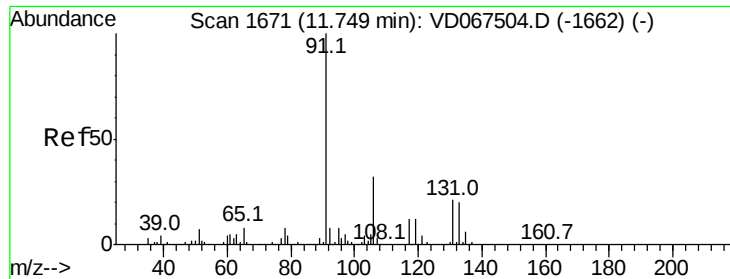
Tot Ion:112 Resp: 172592
Ion Ratio Lower Upper
112 100
114 31.8 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 22.036 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion:131 Resp: 68938
Ion Ratio Lower Upper
131 100
133 97.5 48.0 144.0
119 58.2 30.1 90.5





#67

Ethyl Benzene

Concen: 22.159 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

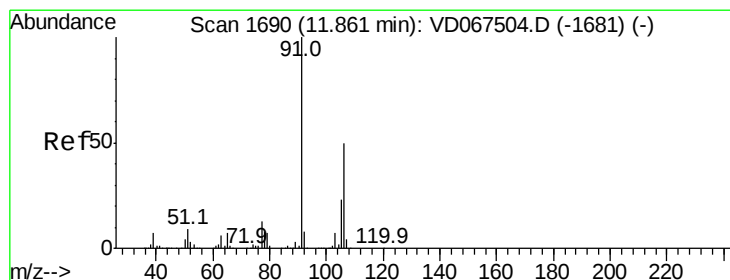
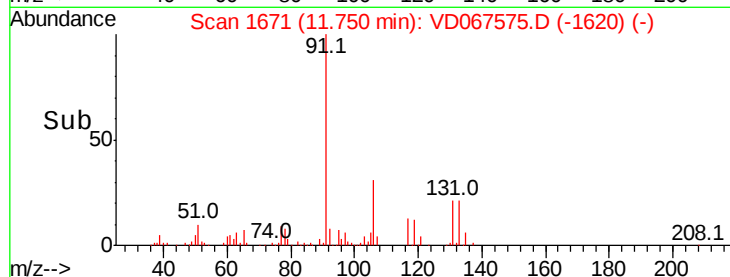
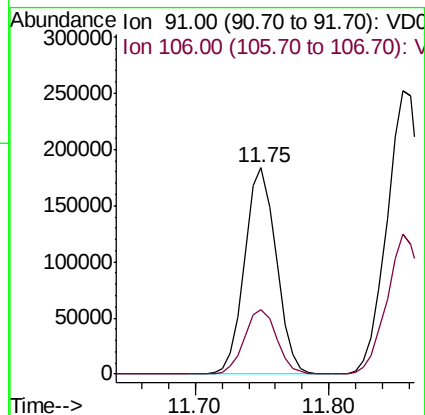
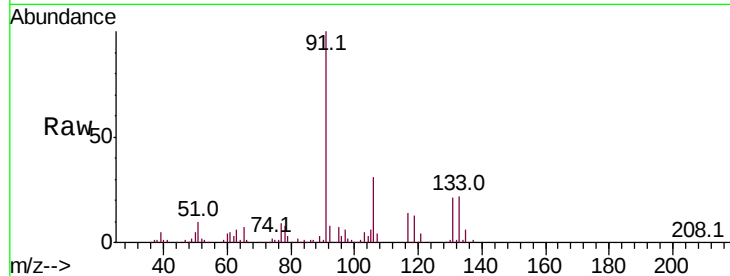
VD1110SBS01

Tot Ion: 91 Resp: 300980

Ion Ratio Lower Upper

91 100

106 31.5 25.7 38.5



#68

m/p-Xylenes

Concen: 44.456 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067575.D

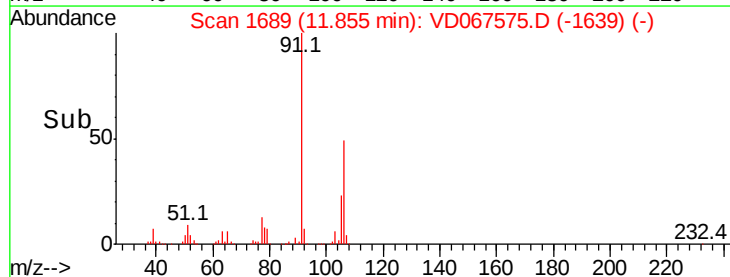
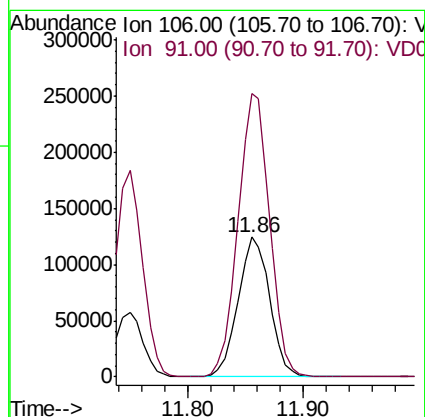
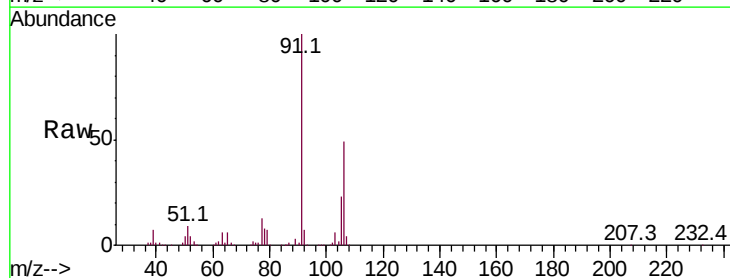
Acq: 10 Nov 2020 11:54

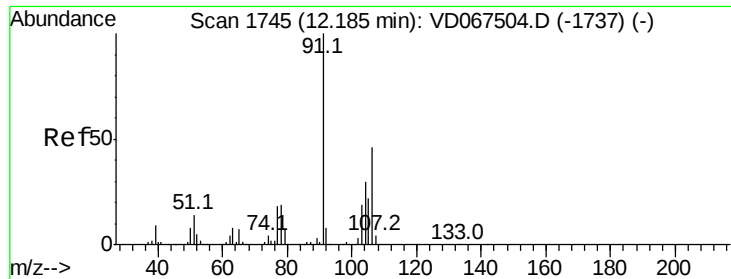
Tgt Ion: 106 Resp: 234914

Ion Ratio Lower Upper

106 100

91 203.5 162.6 244.0

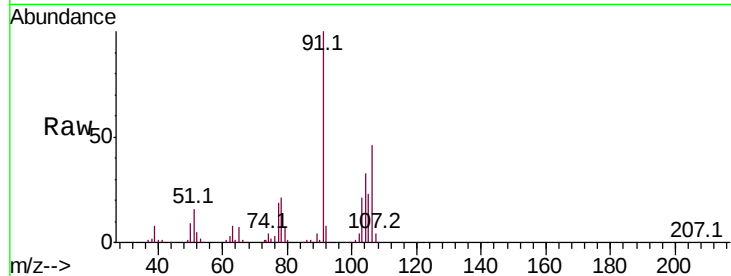




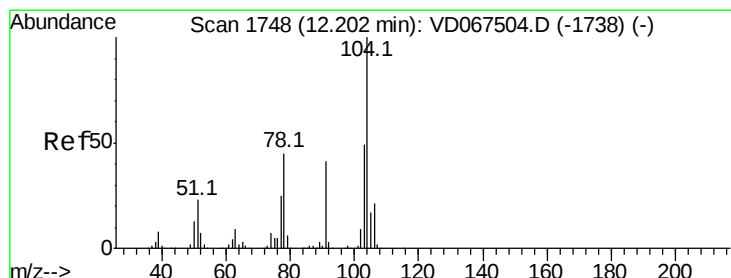
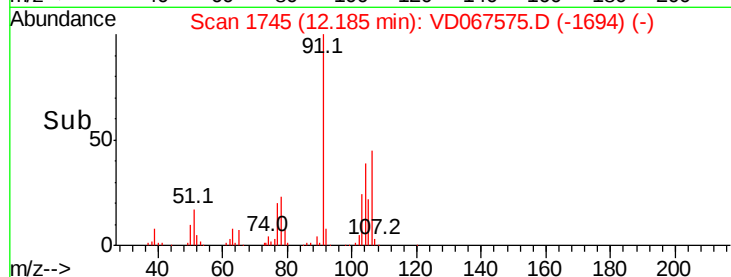
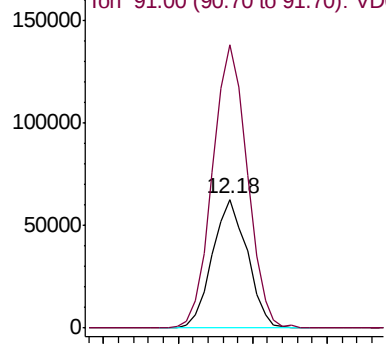
#69
o-Xylene
Concen: 21.612 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

Tot Ion:106 Resp: 101961
Ion Ratio Lower Upper
106 100
91 218.6 107.1 321.1

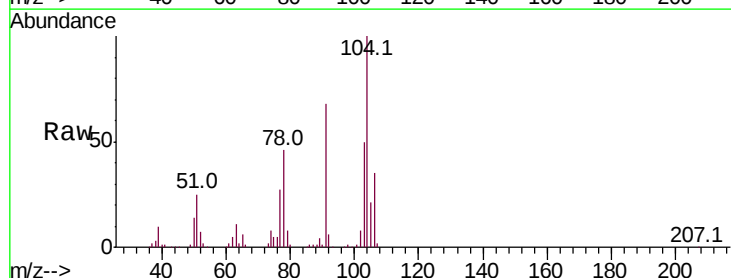


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

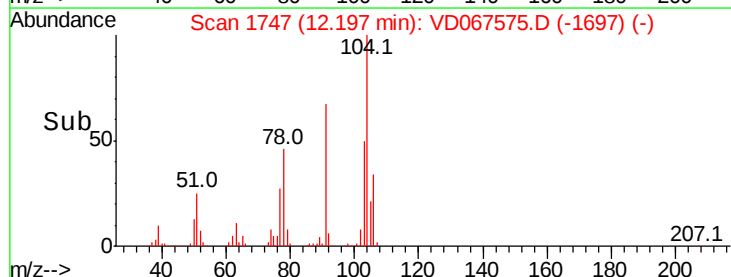
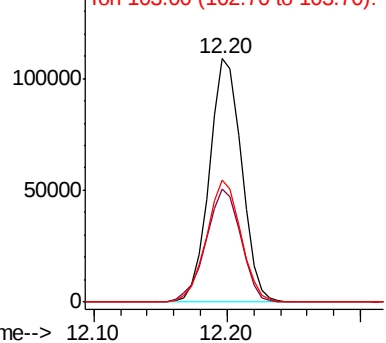


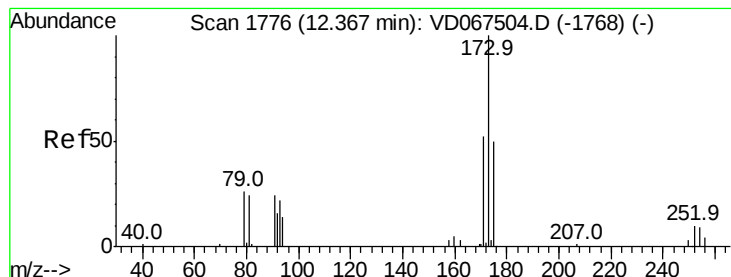
#70
Styrene
Concen: 22.122 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion:104 Resp: 181867
Ion Ratio Lower Upper
104 100
78 50.4 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): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.947 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

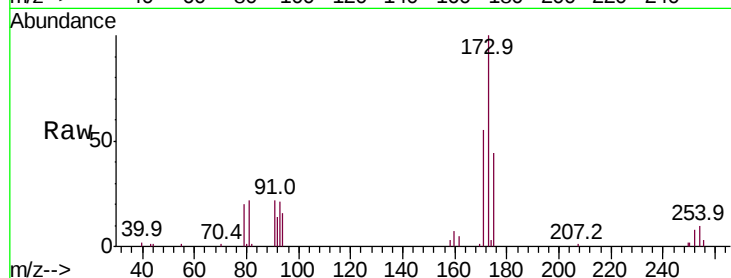
Tot Ion:173 Resp: 36613

Ion Ratio Lower Upper

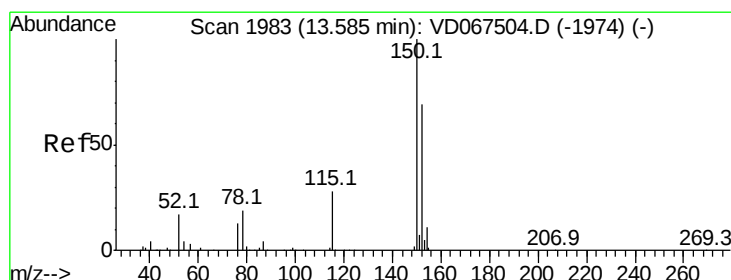
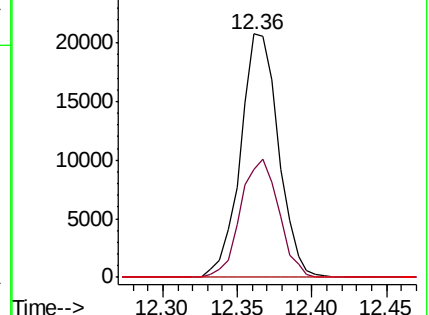
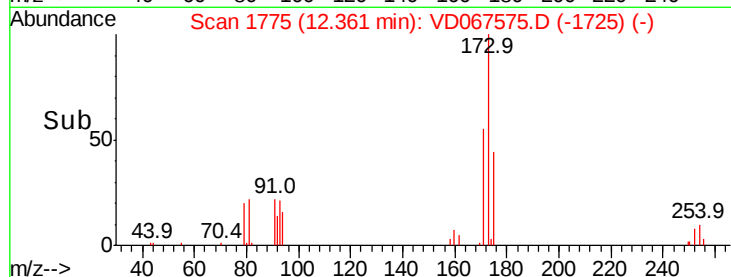
173 100

175 48.8 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: VD067575.D

Acq: 10 Nov 2020 11:54

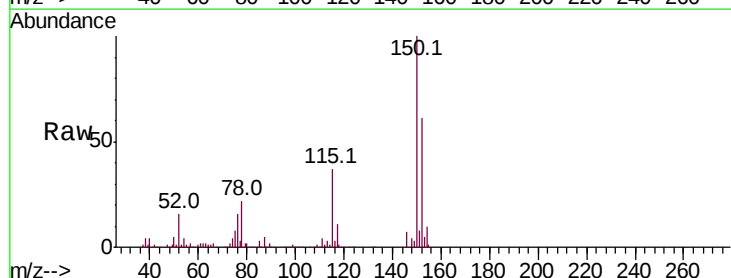
Tgt Ion:152 Resp: 207655

Ion Ratio Lower Upper

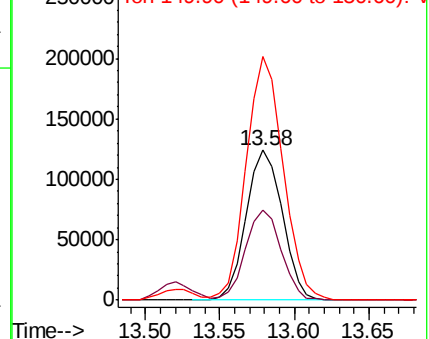
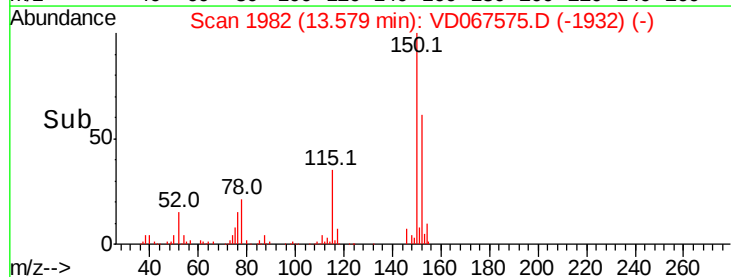
152 100

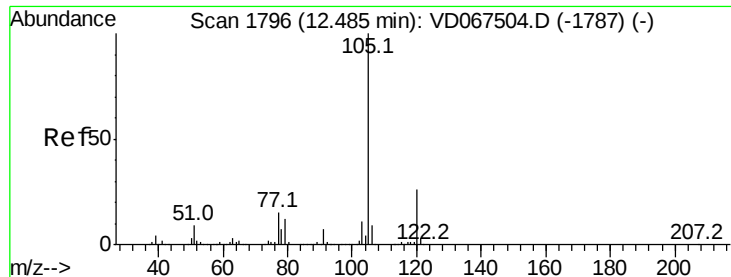
115 59.6 29.3 88.0

150 166.1 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: 21.956 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

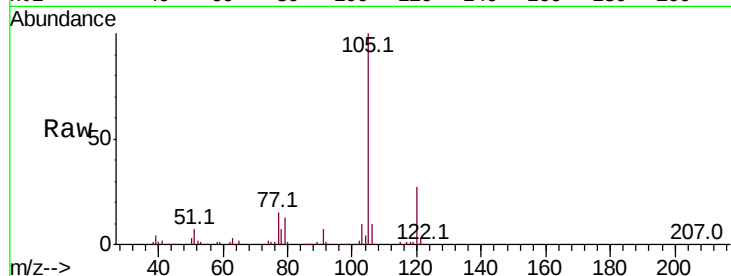
VD1110SBS01

Tot Ion:105 Resp: 294654

Ion Ratio Lower Upper

105 100

120 28.0 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

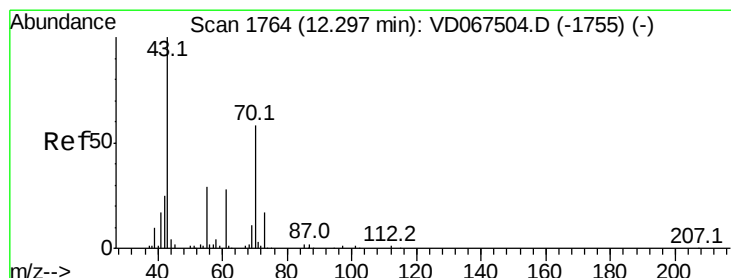
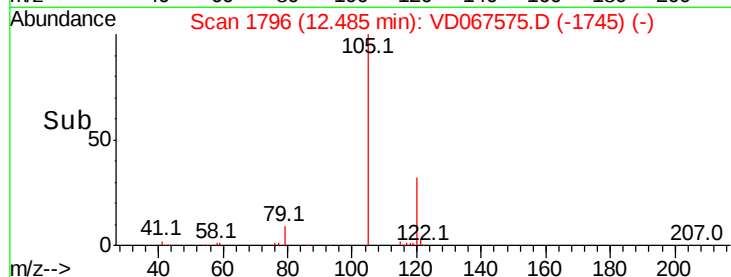
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 22.612 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Tgt Ion: 43 Resp: 39930

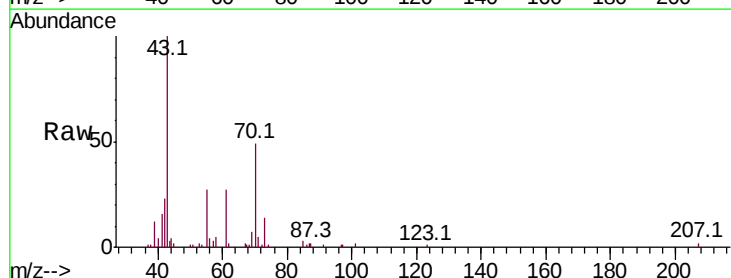
Ion Ratio Lower Upper

43 100

70 52.1 42.6 64.0

55 30.4 23.7 35.5

61 27.0 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

30000

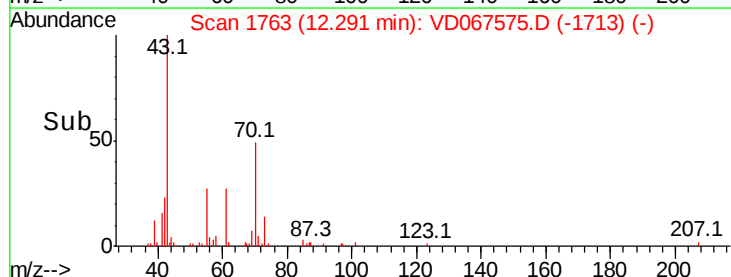
20000

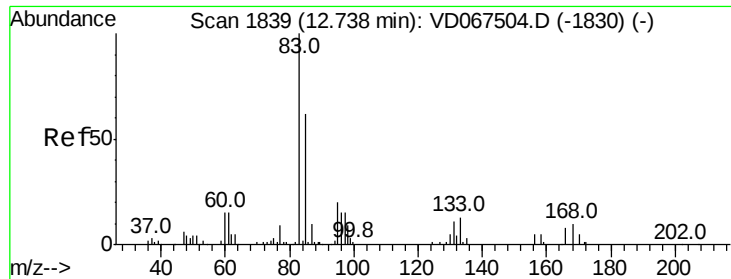
10000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.202 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

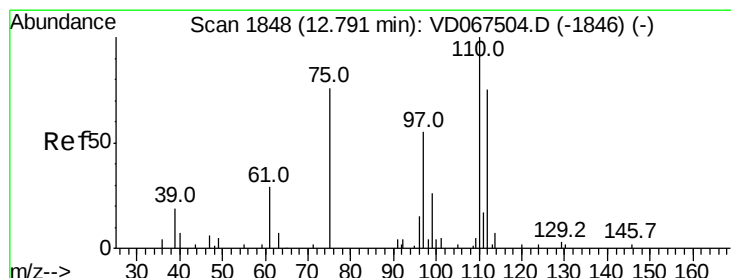
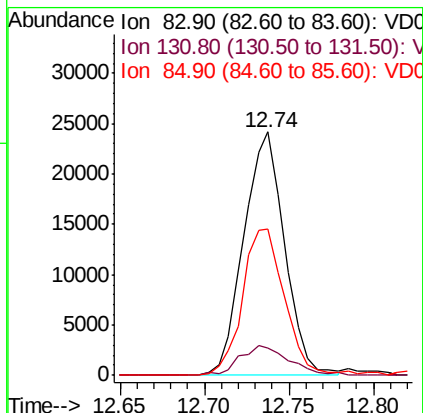
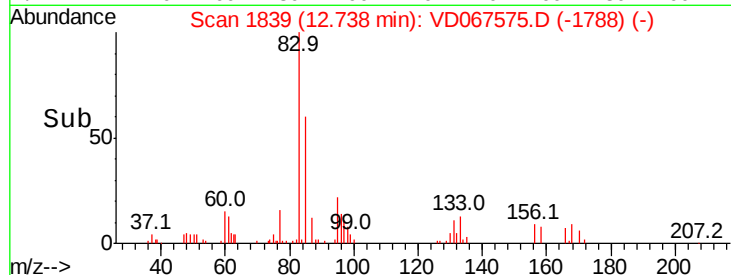
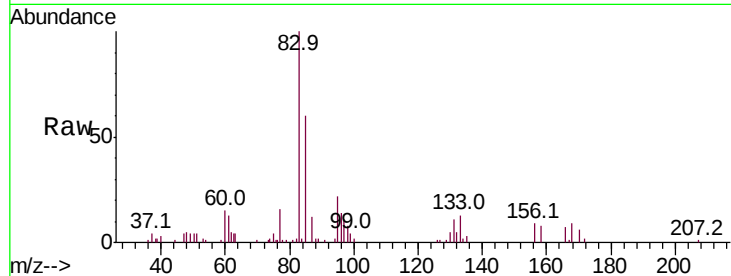
Tot Ion: 83 Resp: 40631

Ion Ratio Lower Upper

83 100

131 14.9 7.1 21.3

85 61.8 32.9 98.7



#76

1,2,3-Trichloropropane

Concen: 45.935 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067575.D

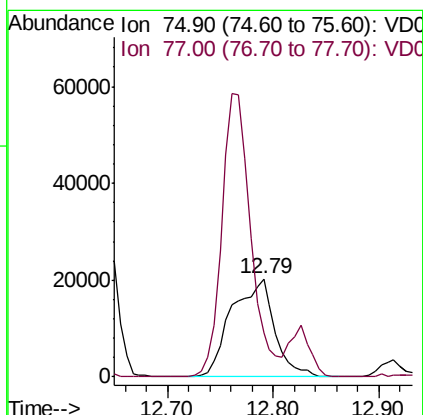
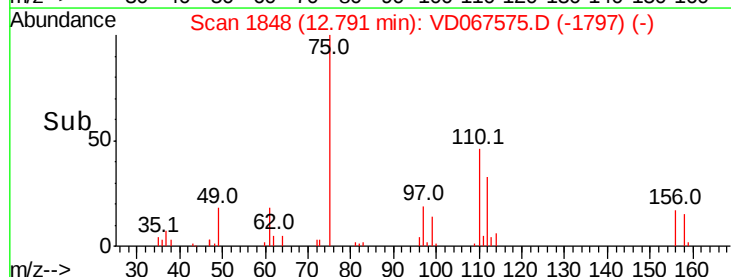
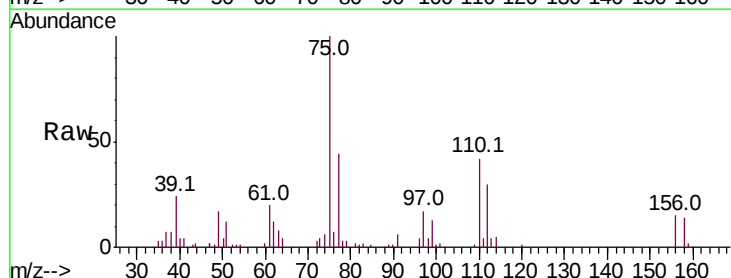
Acq: 10 Nov 2020 11:54

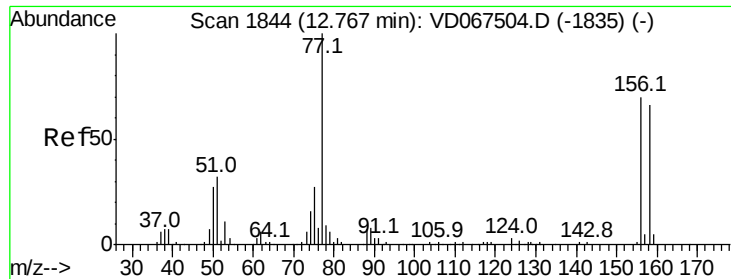
Tgt Ion: 75 Resp: 57543

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 22.499 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

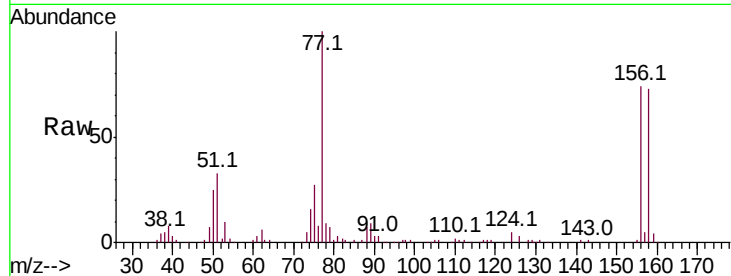
Tot Ion:156 Resp: 74155

Ion Ratio Lower Upper

156 100

77 150.9 77.8 233.5

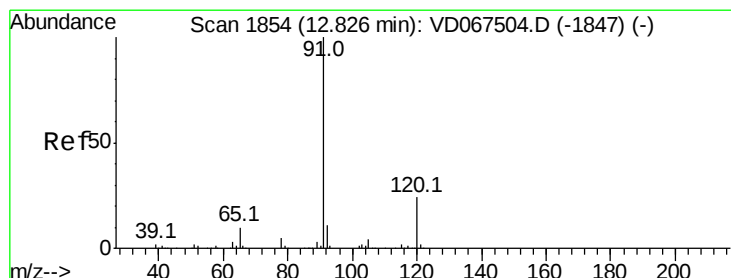
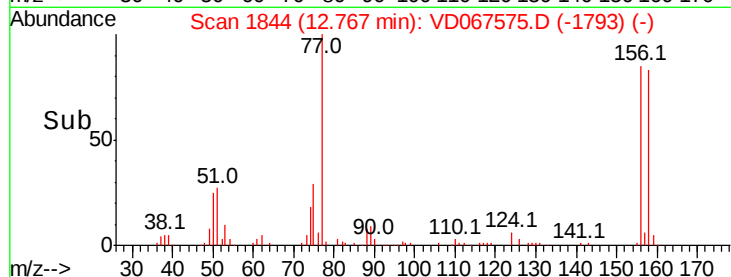
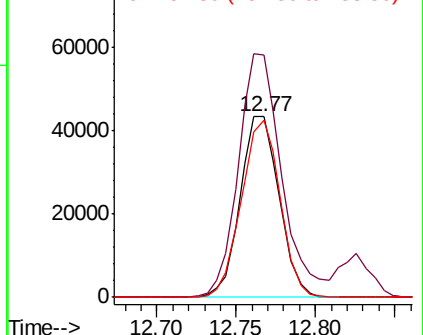
158 97.6 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.646 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067575.D

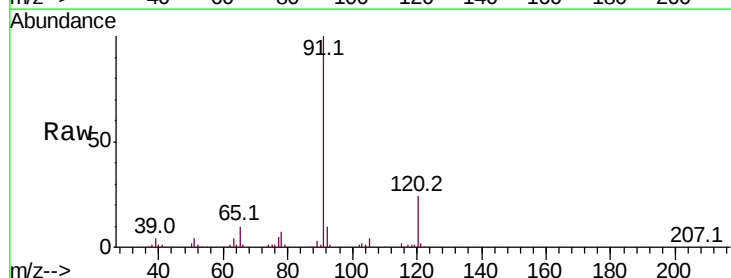
Acq: 10 Nov 2020 11:54

Tgt Ion: 91 Resp: 347624

Ion Ratio Lower Upper

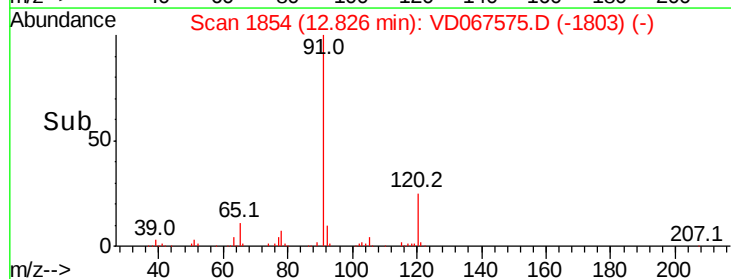
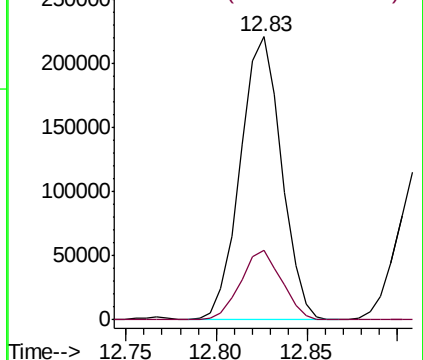
91 100

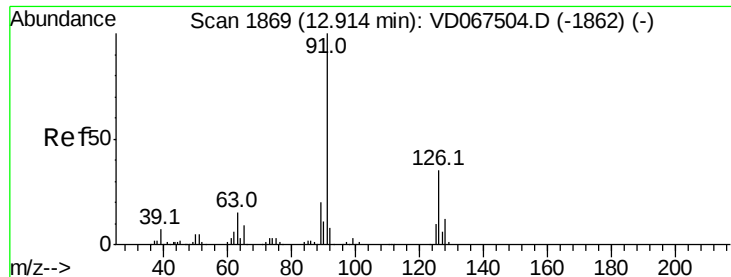
120 24.7 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.381 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

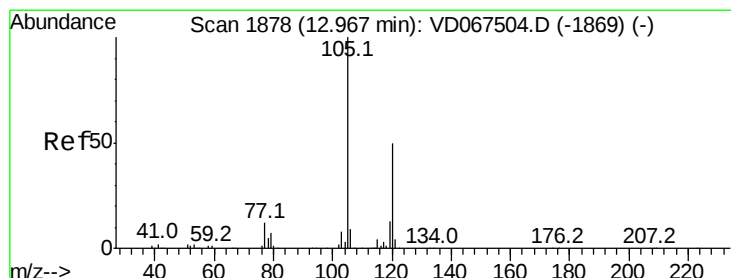
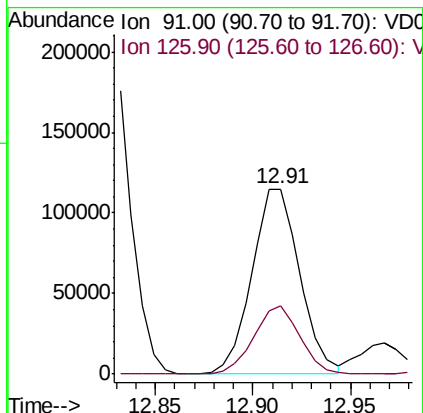
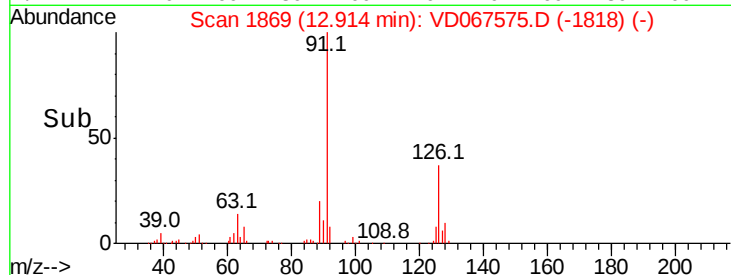
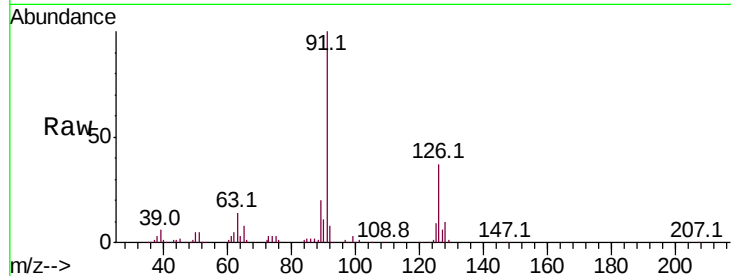
VD1110SBS01

Tot Ion: 91 Resp: 195159

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 22.742 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067575.D

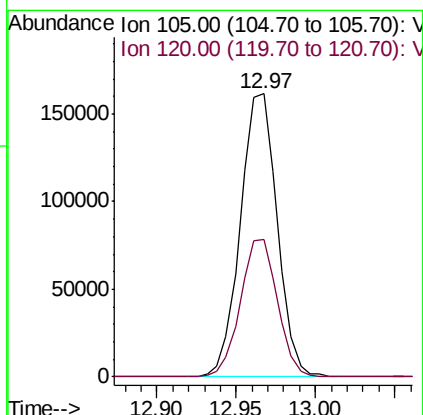
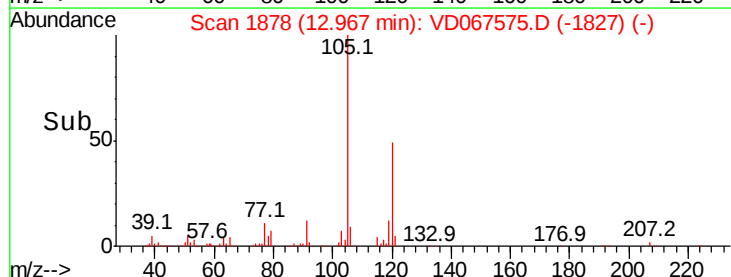
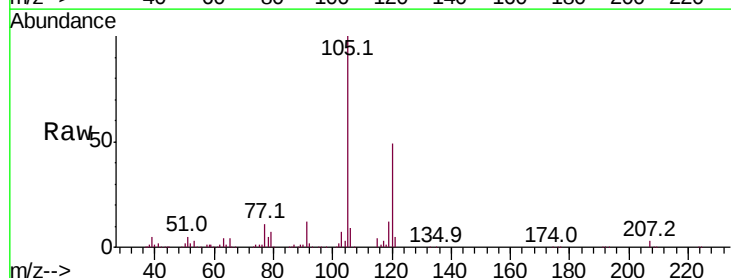
Acq: 10 Nov 2020 11:54

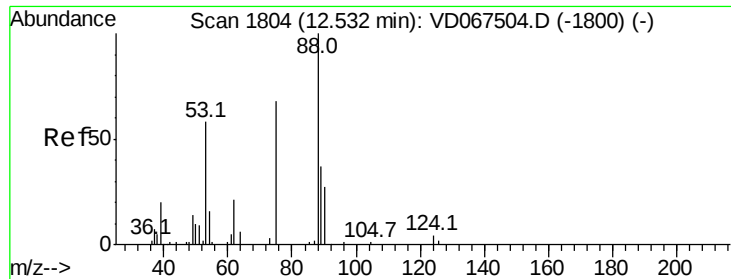
Tgt Ion:105 Resp: 260722

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8

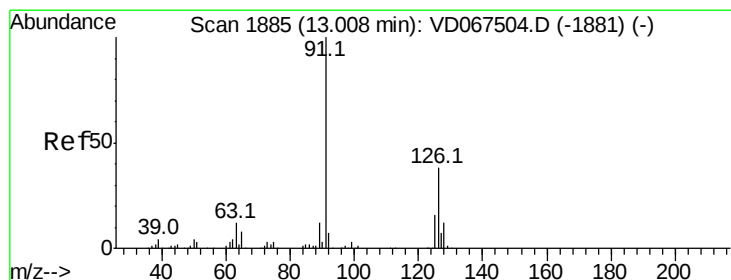
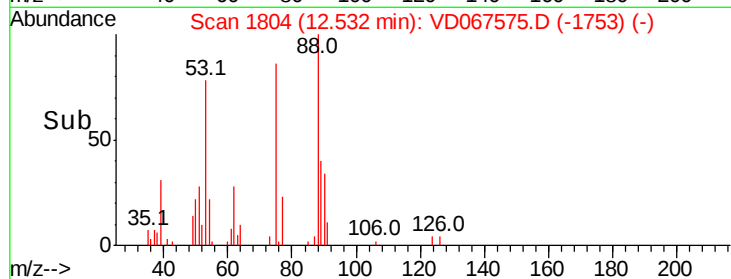
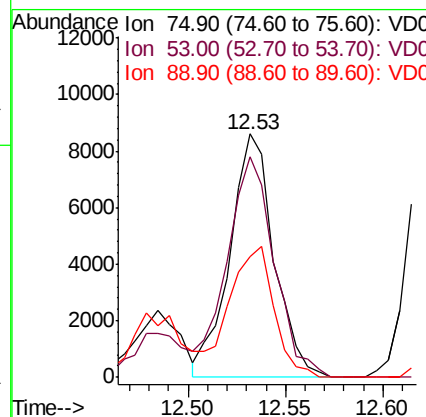
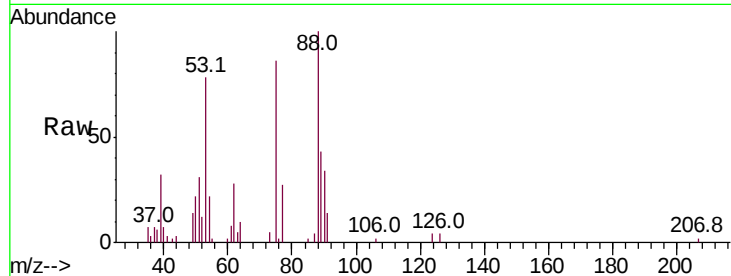




#81
trans-1,4-Dichloro-2-butene
Concen: 21.878 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

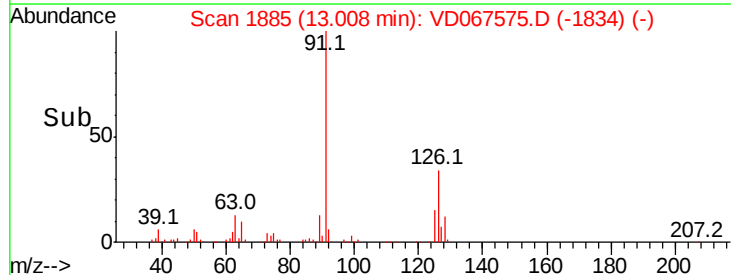
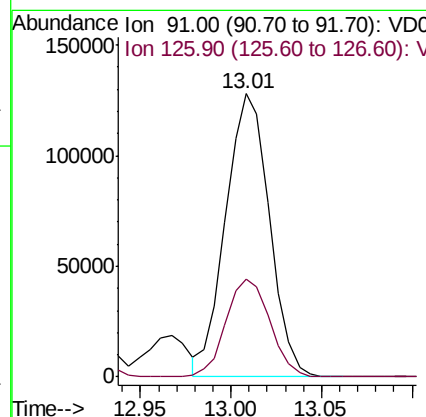
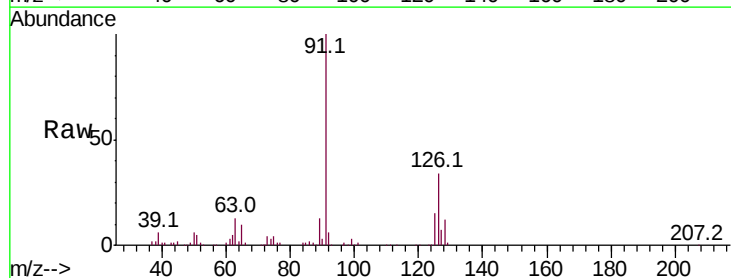
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

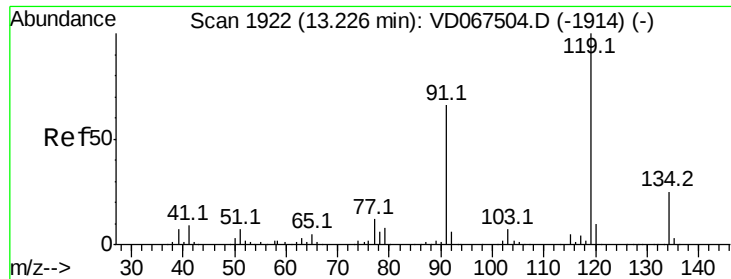
Tot Ion: 75 Resp: 13499
Ion Ratio Lower Upper
75 100
53 97.2 75.9 113.9
89 53.2 44.6 67.0



#82
4-Chlorotoluene
Concen: 22.922 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion: 91 Resp: 214370
Ion Ratio Lower Upper
91 100
126 34.8 17.9 53.7

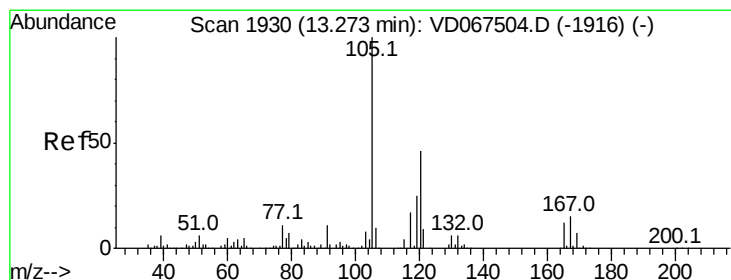
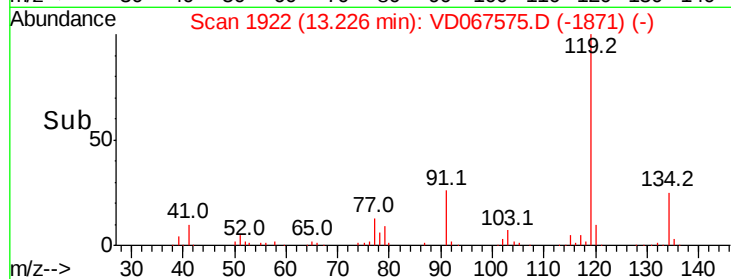
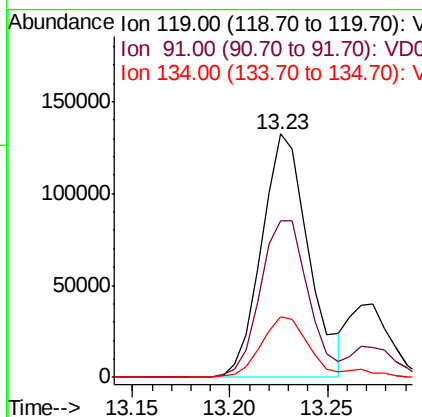
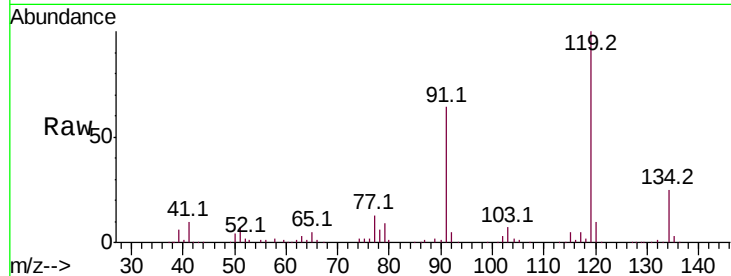




#83
 tert-Butylbenzene
 Concen: 22.759 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

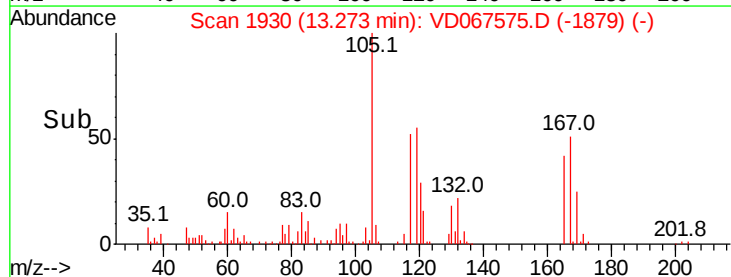
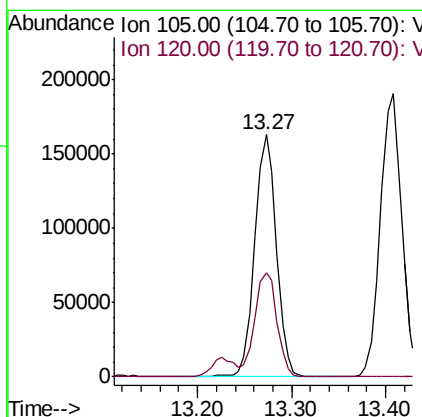
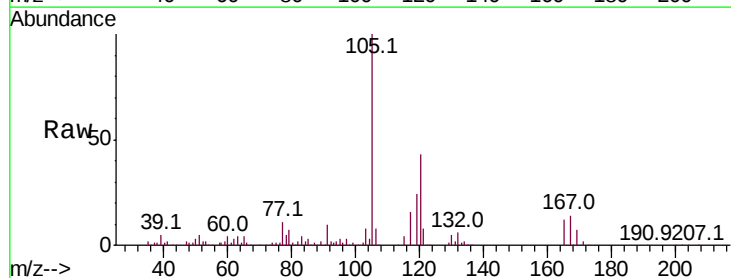
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

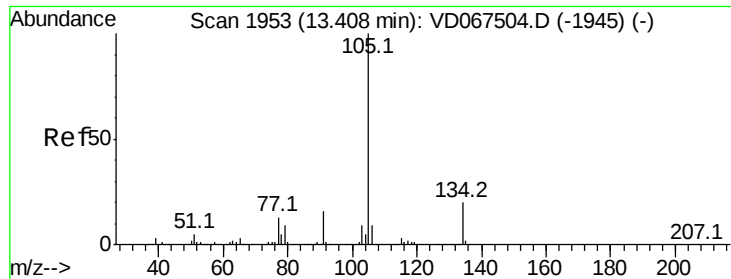
Tot Ion:119 Resp: 221126
 Ion Ratio Lower Upper
 119 100
 91 65.9 32.7 98.1
 134 24.6 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 22.812 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Tgt Ion:105 Resp: 260320
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.1

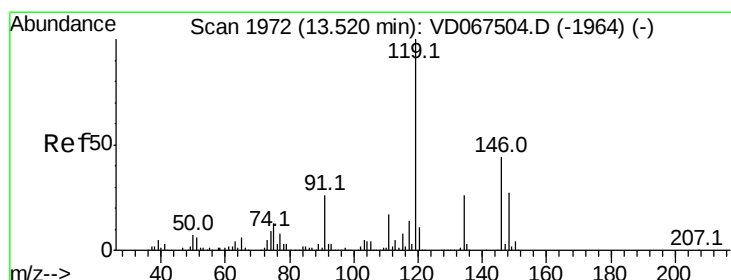
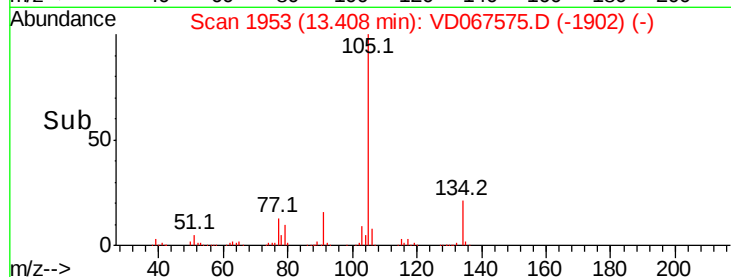
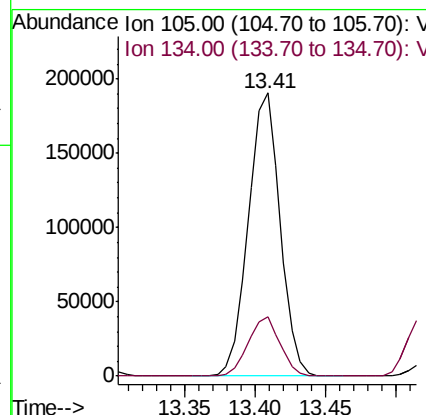
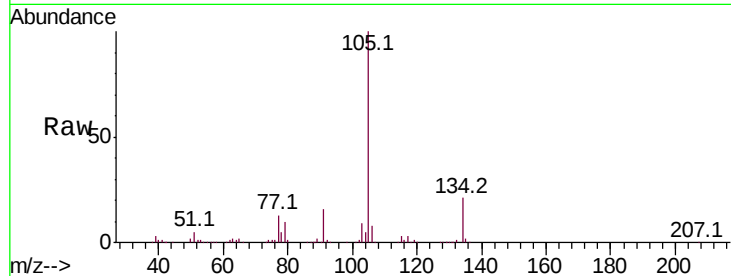




#85
 sec-Butylbenzene
 Concen: 22.909 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

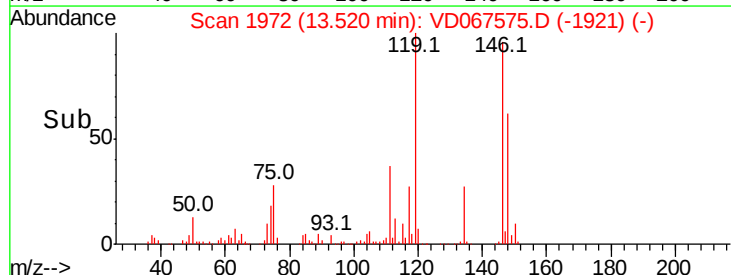
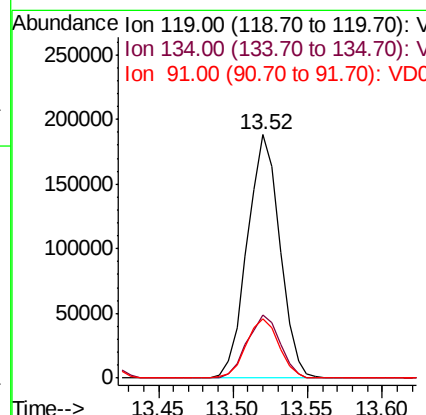
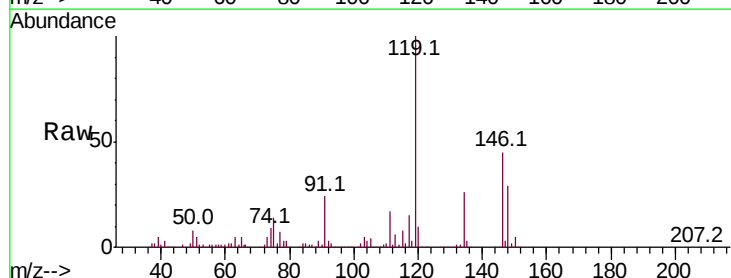
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

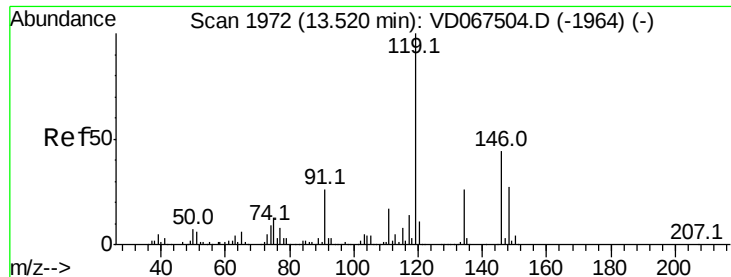
Tot Ion:105 Resp: 300477
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 22.445 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Tgt Ion:119 Resp: 284291
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.3
 91 24.1 12.2 36.4

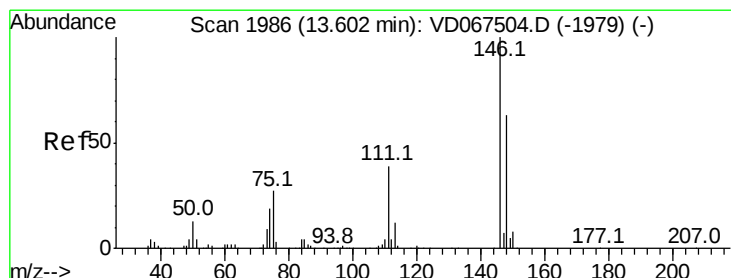
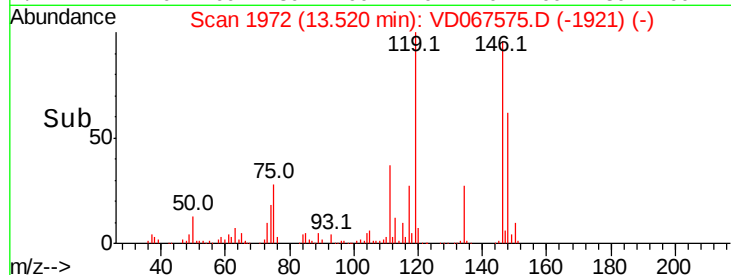
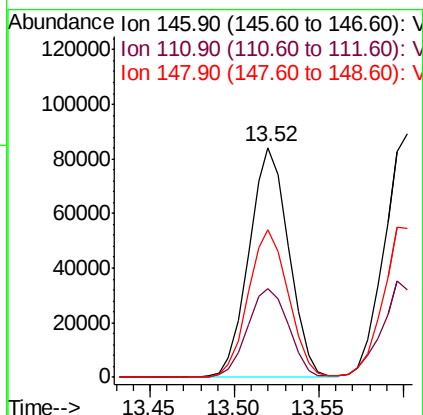
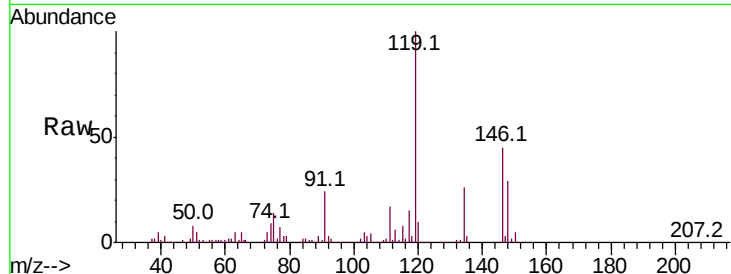




#87
 1,3-Dichlorobenzene
 Concen: 21.849 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

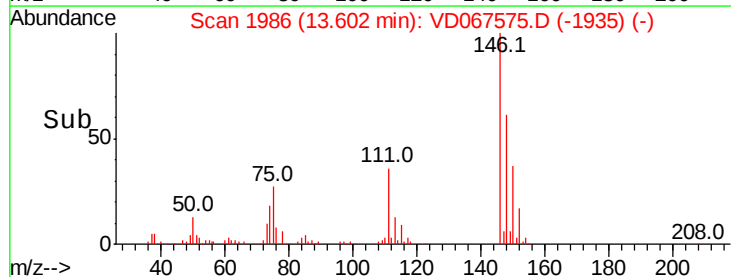
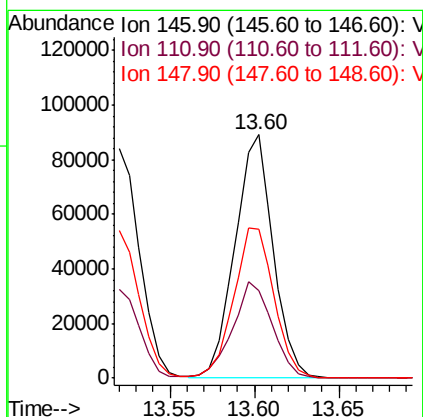
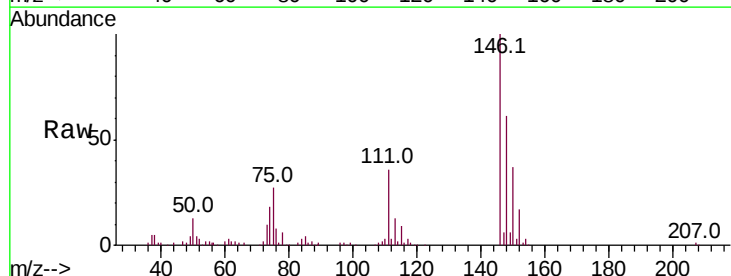
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

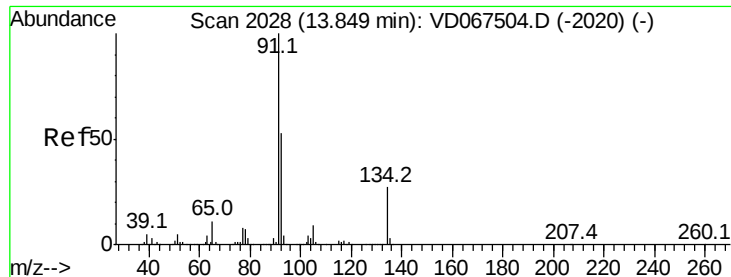
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	65.0	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 22.059 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.6	58.7
148	64.9	31.8	95.4

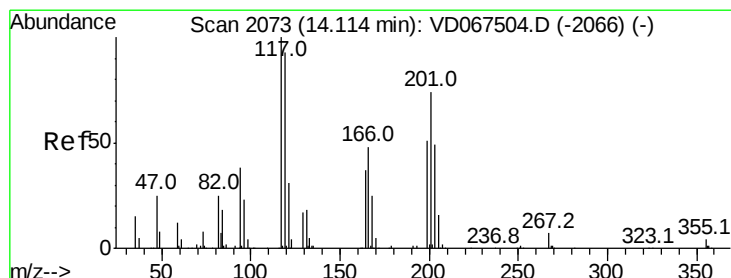
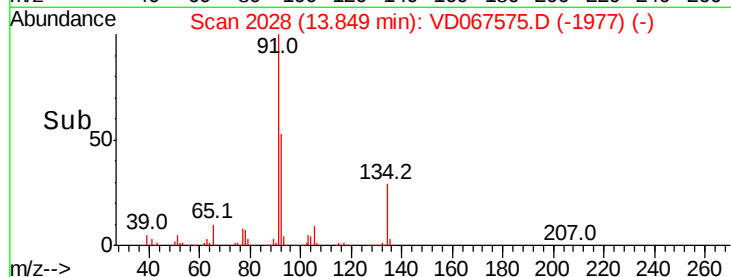
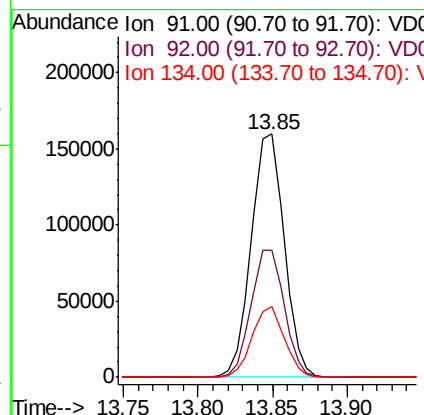
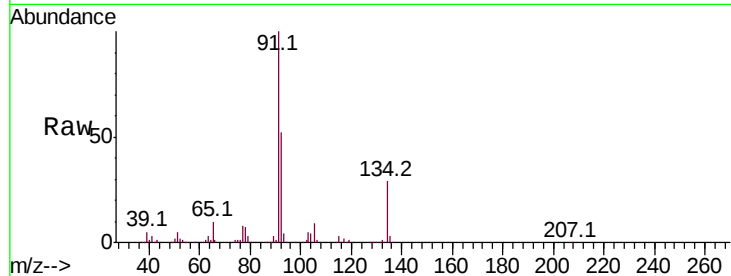




#89
n-Butylbenzene
Concen: 22.380 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

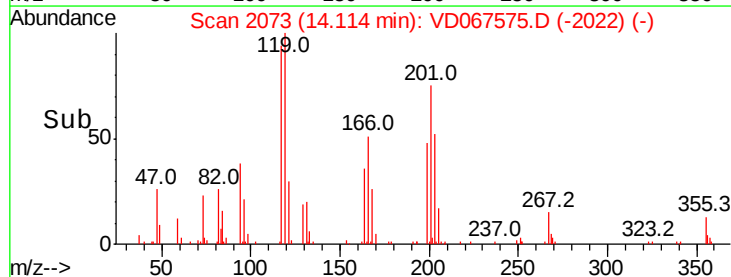
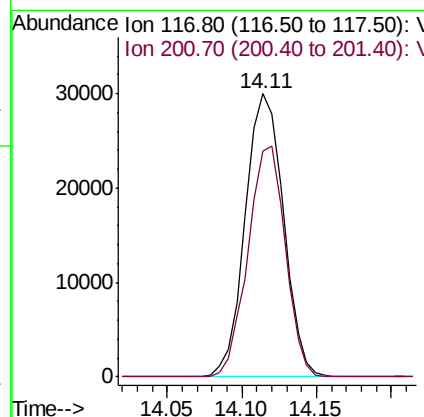
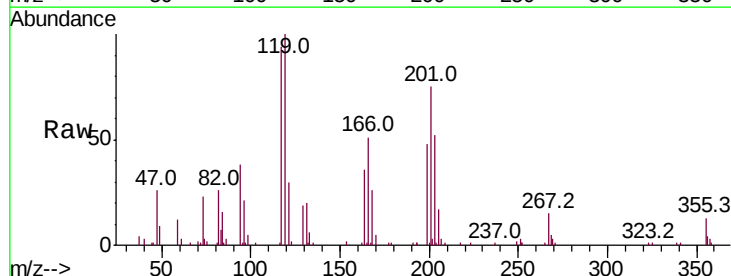
Instrument :
MSVOA_D
ClientSampleId :
VD1110SBS01

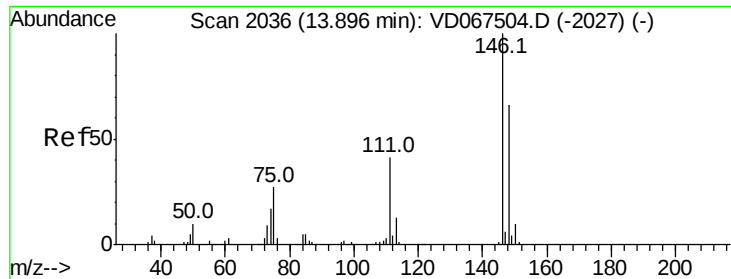
Tot Ion: 91 Resp: 244843
Ion Ratio Lower Upper
91 100
92 52.7 26.6 79.8
134 28.4 14.1 42.2



#90
Hexachloroethane
Concen: 22.308 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067575.D
Acq: 10 Nov 2020 11:54

Tgt Ion: 117 Resp: 53209
Ion Ratio Lower Upper
117 100
201 79.5 40.7 122.1

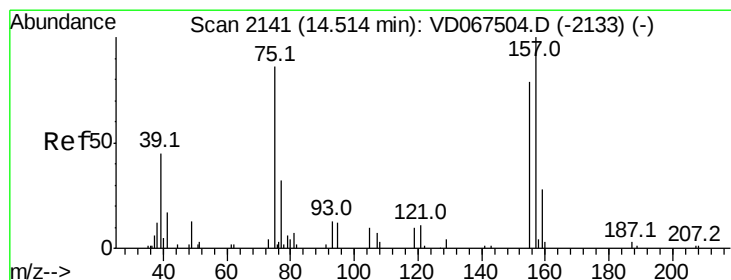
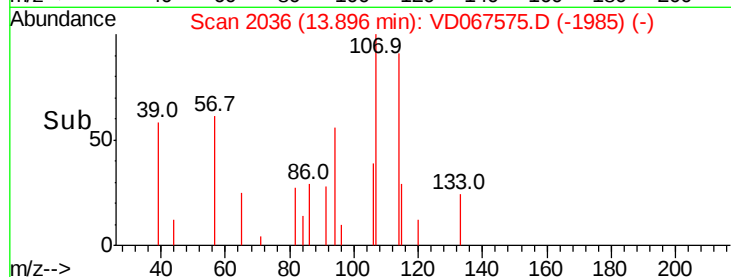
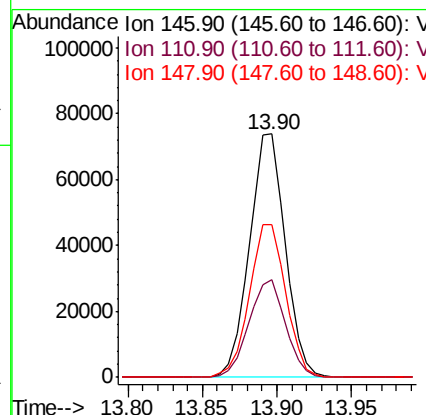
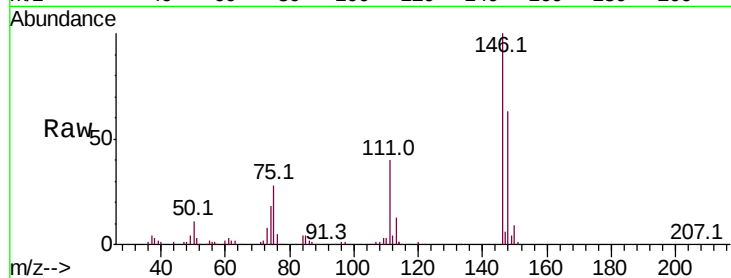




#91
 1,2-Dichlorobenzene
 Concen: 22.412 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

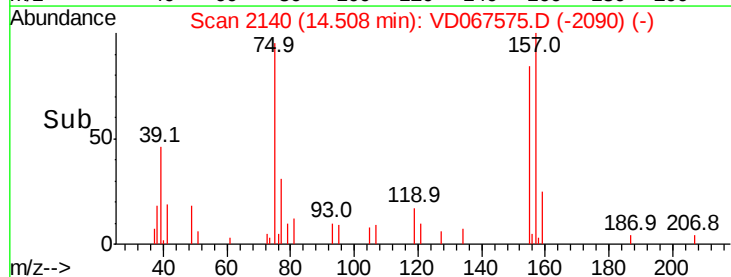
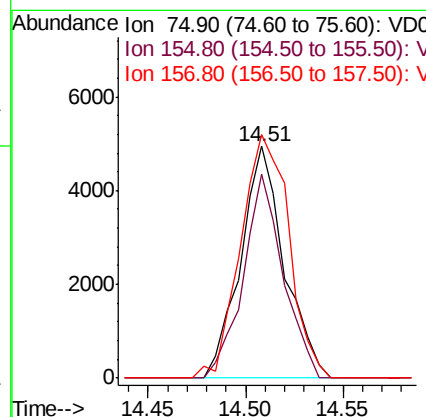
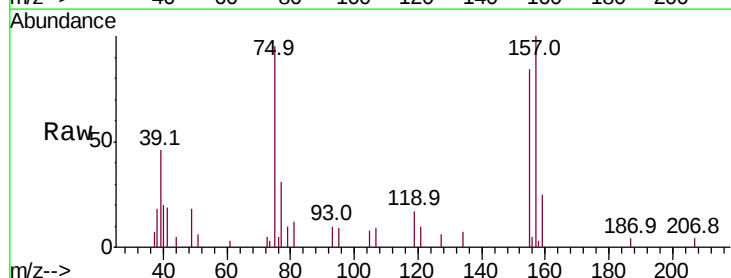
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

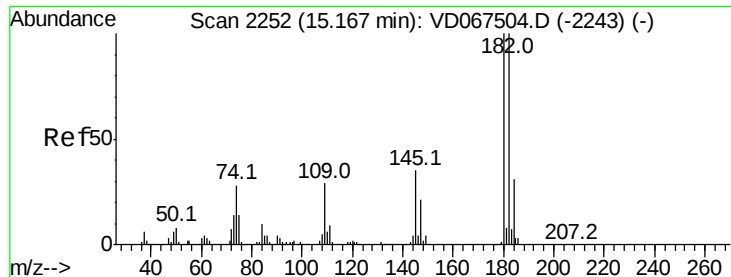
Tot Ion:146 Resp: 121985
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.7 62.1
 148 63.9 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.632 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Tgt Ion: 75 Resp: 7657
 Ion Ratio Lower Upper
 75 100
 155 79.9 46.6 139.8
 157 116.2 58.1 174.2

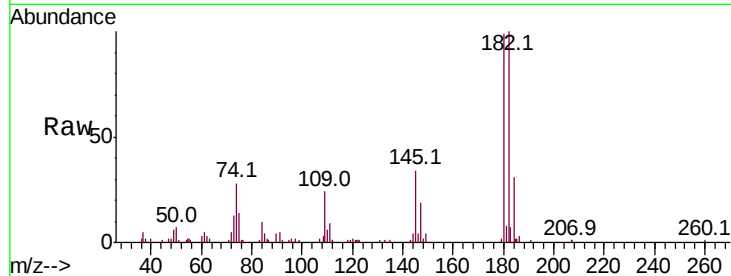




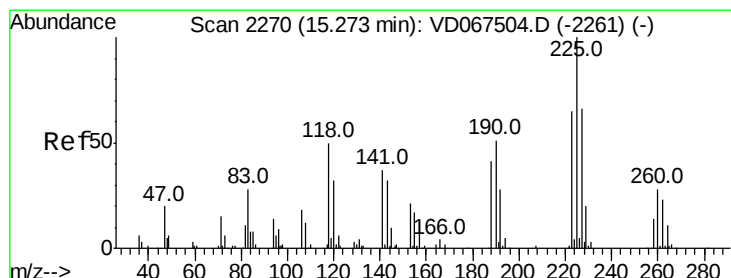
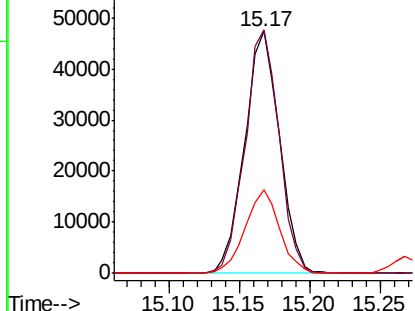
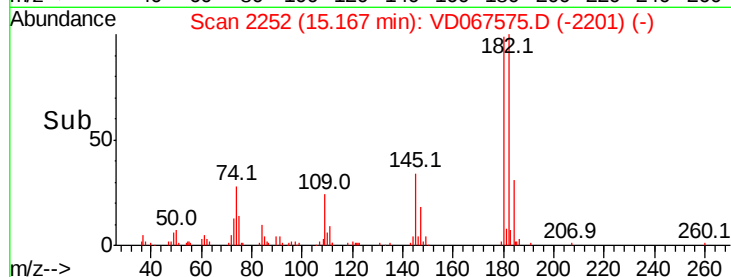
#93
 1,2,4-Trichlorobenzene
 Concen: 22.239 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1110SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.4	142.3
145	33.9	16.2	48.6

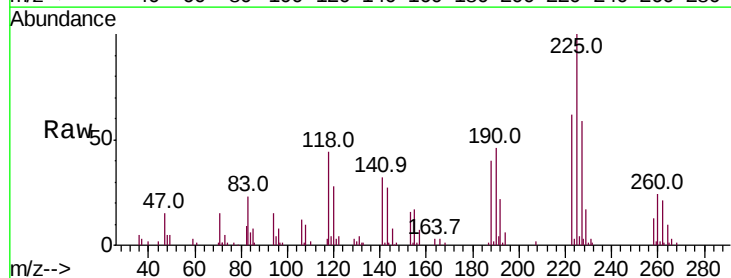


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

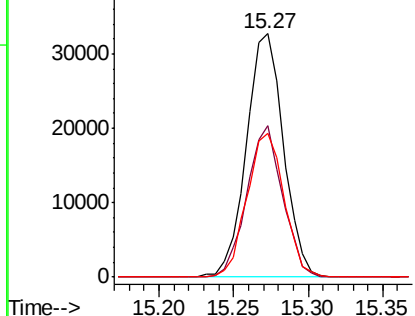
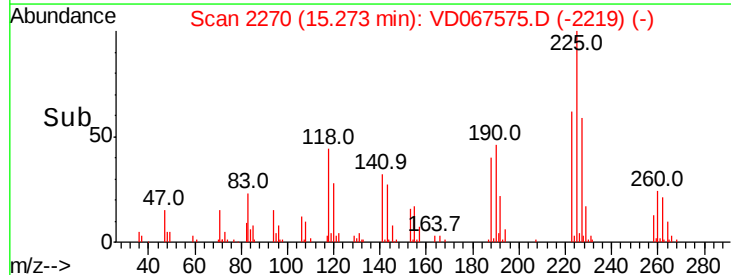


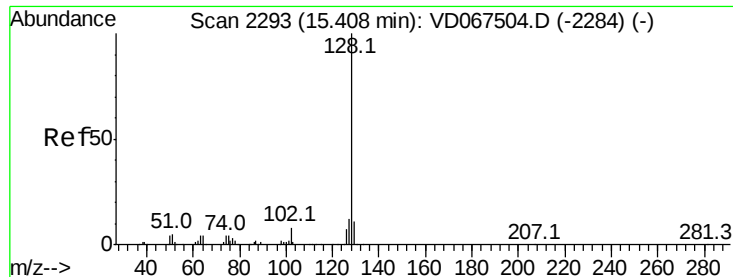
#94
 Hexachlorobutadiene
 Concen: 22.692 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067575.D
 Acq: 10 Nov 2020 11:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.9	95.5
227	59.1	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: 21.852 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

VD1110SBS01

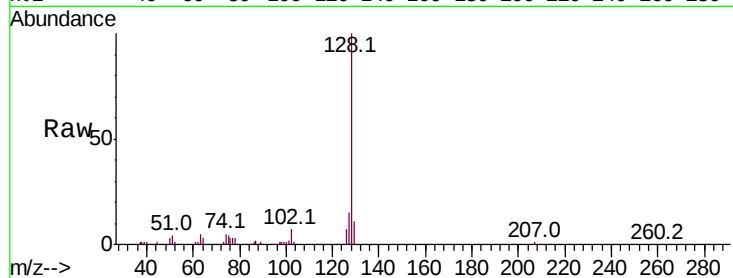
Tot Ion:128 Resp: 124582

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

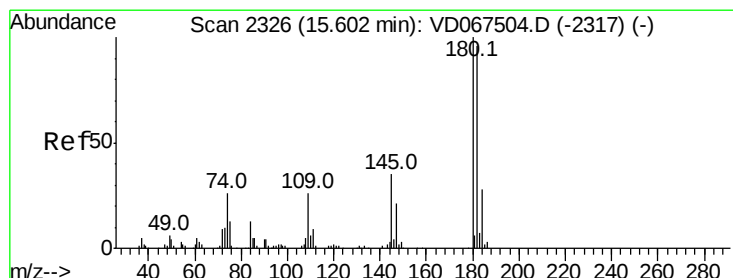
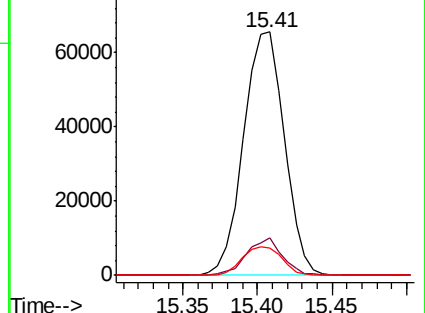
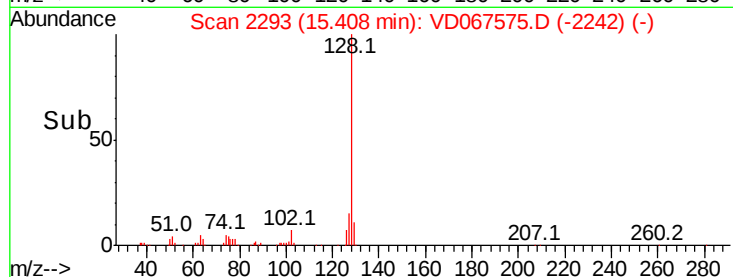
129 11.5 8.9 13.3



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: 21.793 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067575.D

Acq: 10 Nov 2020 11:54

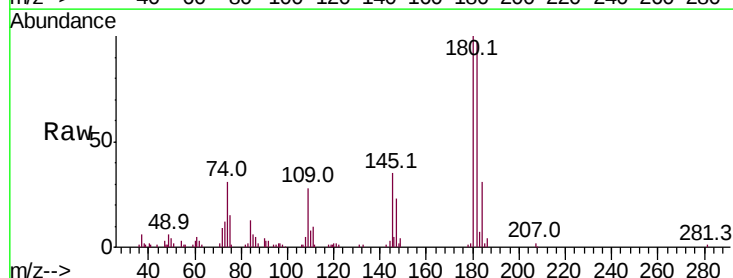
Tgt Ion:180 Resp: 68941

Ion Ratio Lower Upper

180 100

182 94.2 46.9 140.8

145 34.1 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

