

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067622.D
 Acq On : 12 Nov 2020 14:46
 Operator : VA/SY
 Sample : L4725-01
 Misc : 5.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

Quant Time: Nov 13 00:30:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	366986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	542380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	490306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	141068	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	
35) Dibromofluoromethane	7.92	113	151878	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	10.34	98	527830	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
62) 4-Bromofluorobenzene	12.64	95	195094	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	65171	19.130	ug/l	100
3) Chloromethane	2.21	50	56087	24.543	ug/l	97
4) Vinyl Chloride	2.35	62	50687	19.894	ug/l	92
5) Bromomethane	2.76	94	38640	18.711	ug/l	99
6) Chloroethane	2.92	64	30763	19.584	ug/l	98
7) Trichlorofluoromethane	3.27	101	130763	19.821	ug/l	91
8) Diethyl Ether	3.70	74	27979	21.048	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	70268	21.101	ug/l	100
10) Methyl Iodide	4.30	142	66119	18.525	ug/l	97
11) Tert butyl alcohol	5.22	59	15716	101.665	ug/l #	79
12) 1,1-Dichloroethene	4.06	96	63510	20.734	ug/l	96
13) Acrolein	3.91	56	6066	66.113	ug/l	87
14) Allyl chloride	4.71	41	70428	21.484	ug/l	95
15) Acrylonitrile	5.42	53	52018	105.859	ug/l	97
16) Acetone	4.16	43	42278	88.044	ug/l #	87
17) Carbon Disulfide	4.41	76	186290	19.848	ug/l	98
18) Methyl Acetate	4.73	43	22517	22.692	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	131883	21.828	ug/l #	92
20) Methylene Chloride	4.96	84	88389	26.058	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	74021	20.748	ug/l	96
22) Diisopropyl ether	6.37	45	145947	22.846	ug/l	94
23) Vinyl Acetate	6.31	43	364324	108.949	ug/l	96
24) 1,1-Dichloroethane	6.27	63	110180	21.082	ug/l	94
25) 2-Butanone	7.21	43	58936	114.863	ug/l	94
26) 2,2-Dichloropropane	7.21	77	115923	21.017	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	77592	20.953	ug/l	94
28) Bromochloromethane	7.56	49	39197	21.085	ug/l	93
29) Tetrahydrofuran	7.57	42	34923	113.627	ug/l	98
30) Chloroform	7.71	83	132108	21.188	ug/l	97
31) Cyclohexane	7.99	56	114202	24.538	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	131847	20.495	ug/l	98
36) 1,1-Dichloropropene	8.11	75	98320	21.177	ug/l	99
37) Ethyl Acetate	7.29	43	27922	23.165	ug/l	98
38) Carbon Tetrachloride	8.10	117	123419	20.460	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	122741	22.462	ug/l	90
40) Benzene	8.36	78	270690	21.524	ug/l	98
41) Methacrylonitrile	7.53	41	14517	20.149	ug/l	98
42) 1,2-Dichloroethane	8.43	62	76403	19.663	ug/l	96
43) Isopropyl Acetate	8.46	43	60820	25.514	ug/l	93
44) Trichloroethene	9.11	130	88192	21.328	ug/l	91
45) 1,2-Dichloropropane	9.39	63	63157	23.228	ug/l	92
46) Dibromomethane	9.48	93	34742	20.096	ug/l	92
47) Bromodichloromethane	9.66	83	98815	21.029	ug/l #	94
48) Methyl methacrylate	9.46	41	28591	23.230	ug/l	95
49) 1,4-Dioxane	9.46	88	8631	491.782	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	135101	118.505	ug/l	100
52) Toluene	10.41	92	691927	82.144	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	88129	21.898	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	102115	21.356	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	50348	22.011	ug/l	96
56) Ethyl methacrylate	10.67	69	53478	22.640	ug/l	98
57) 1,3-Dichloropropane	10.95	76	81657	22.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	123253	111.891	ug/l	100
59) 2-Hexanone	10.99	43	90482	113.511	ug/l	97
60) Dibromochloromethane	11.14	129	71751	21.205	ug/l	99
61) 1,2-Dibromoethane	11.25	107	48450	21.104	ug/l	94
64) Tetrachloroethene	10.88	164	78857	21.717	ug/l	96
65) Chlorobenzene	11.67	112	203845	21.583	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	80522	21.631	ug/l	98
67) Ethyl Benzene	11.75	91	374047	23.144	ug/l	97
68) m/p-Xylenes	11.86	106	307796	48.953	ug/l	98
69) o-Xylene	12.18	106	131868	23.490	ug/l	100
70) Styrene	12.20	104	222727	22.769	ug/l	98
71) Bromoform	12.37	173	42126	22.189	ug/l #	99
73) Isopropylbenzene	12.48	105	351899	22.470	ug/l	99
74) N-amyl acetate	12.30	43	48821	23.691	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	48652	22.782	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	66756	45.667	ug/l #	100
77) Bromobenzene	12.76	156	84726	22.029	ug/l	98
78) n-propylbenzene	12.83	91	405716	22.649	ug/l	99
79) 2-Chlorotoluene	12.91	91	236405	23.233	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	307698	23.000	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	16075	22.326	ug/l	92
82) 4-Chlorotoluene	13.01	91	246591	22.595	ug/l	100
83) tert-Butylbenzene	13.23	119	262415	23.145	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	320693	24.082	ug/l	99
85) sec-Butylbenzene	13.41	105	348897	22.795	ug/l	99
86) p-Isopropyltoluene	13.52	119	326991	22.123	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	163349	22.258	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	163961	22.064	ug/l	99
89) n-Butylbenzene	13.84	91	285473	22.361	ug/l	99
90) Hexachloroethane	14.11	117	57495	20.656	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	138981	21.882	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9164	24.237	ug/l	89

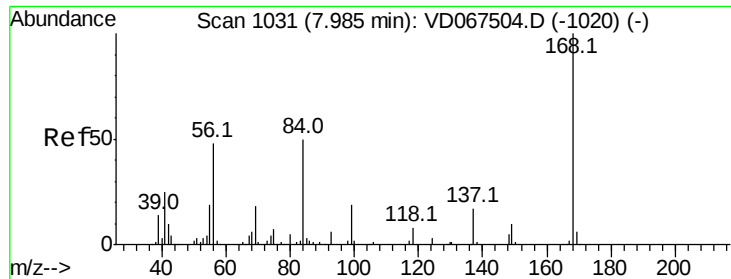
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111220\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	93991	21.803	ug/l	99
94) Hexachlorobutadiene	15.27	225	63668	22.067	ug/l	97
95) Naphthalene	15.40	128	148484	22.319	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	78275	21.204	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

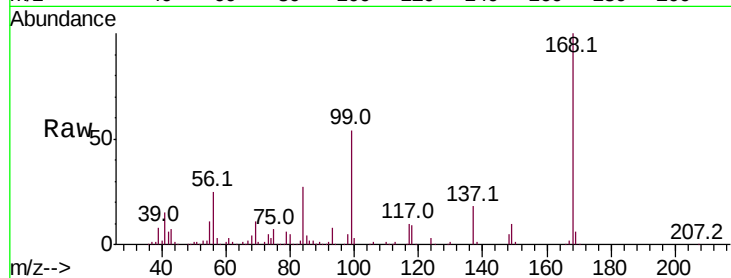
VD1112SBS02

Tot Ion:168 Resp: 366986

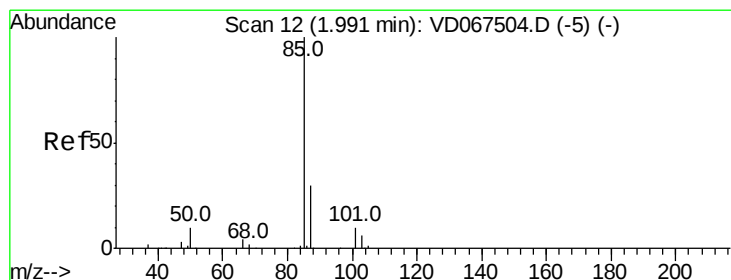
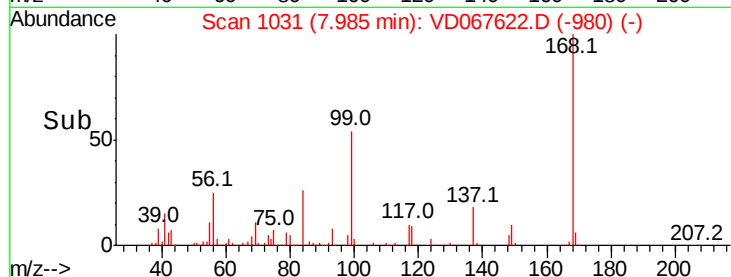
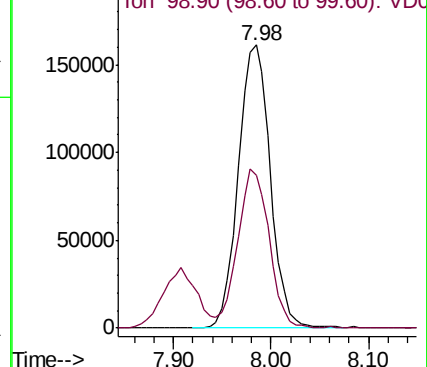
Ion Ratio Lower Upper

168 100

99 53.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 19.130 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067622.D

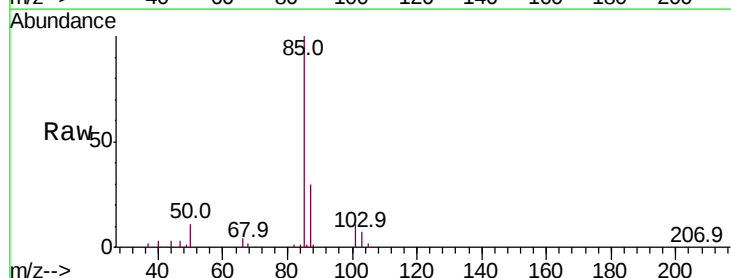
Acq: 12 Nov 2020 14:46

Tgt Ion: 85 Resp: 65171

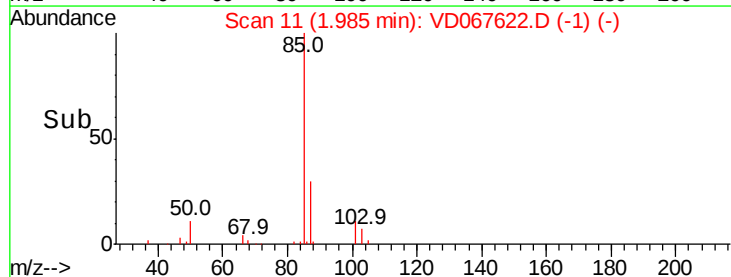
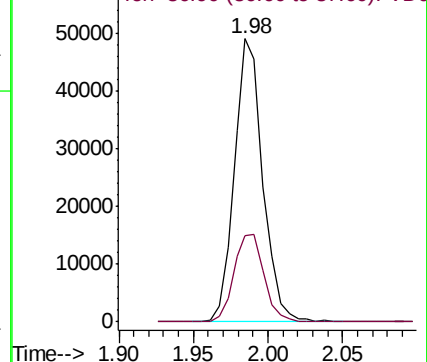
Ion Ratio Lower Upper

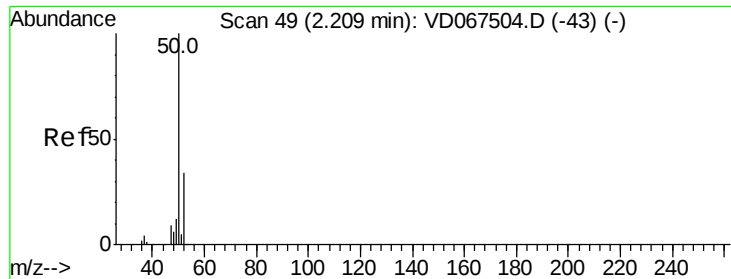
85 100

87 30.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC





#3

Chloromethane

Concen: 24.543 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

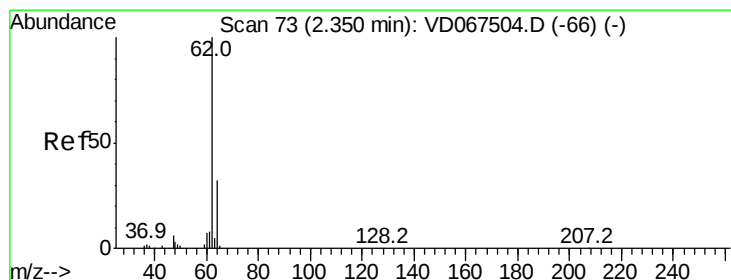
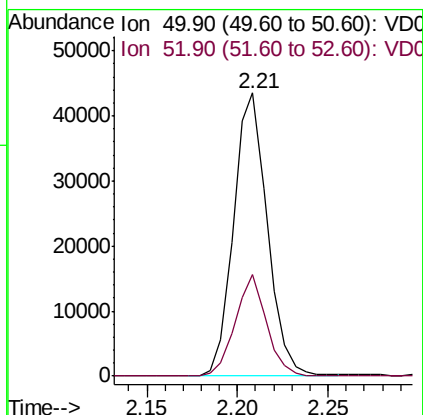
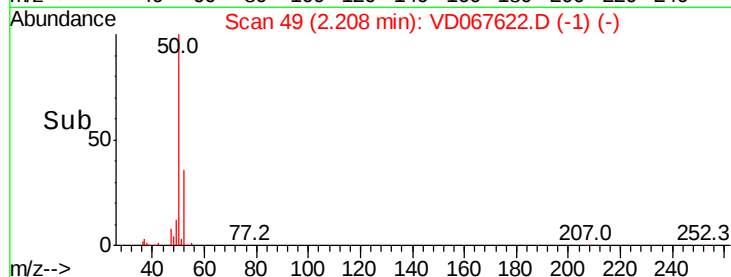
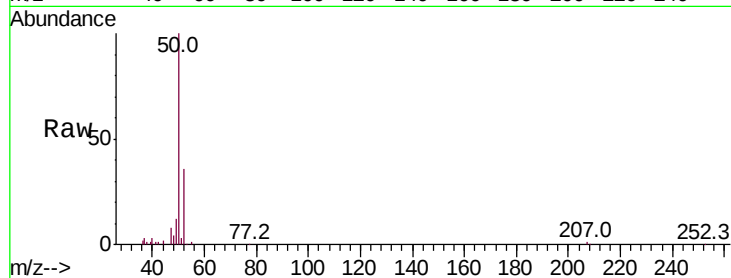
VD1112SBS02

Tot Ion: 50 Resp: 56087

Ion Ratio Lower Upper

50 100

52 36.0 27.3 40.9



#4

Vinyl Chloride

Concen: 19.894 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067622.D

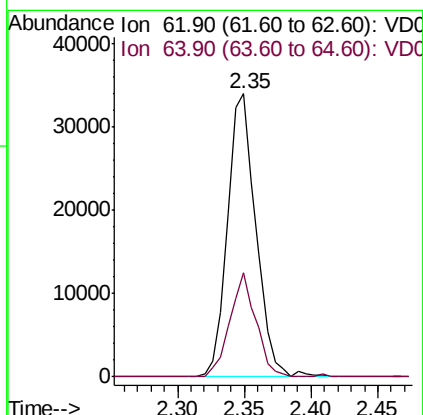
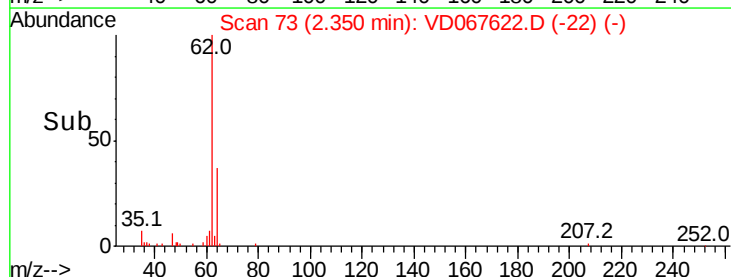
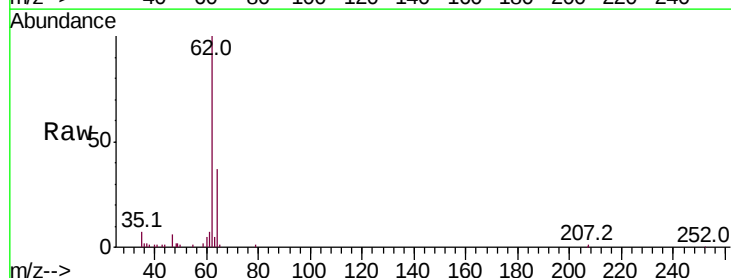
Acq: 12 Nov 2020 14:46

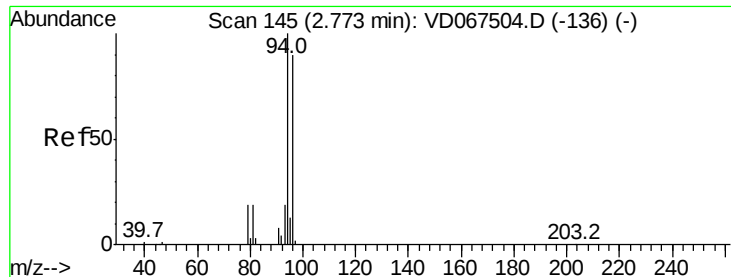
Tgt Ion: 62 Resp: 50687

Ion Ratio Lower Upper

62 100

64 36.7 25.6 38.4





#5

Bromomethane

Concen: 18.711 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

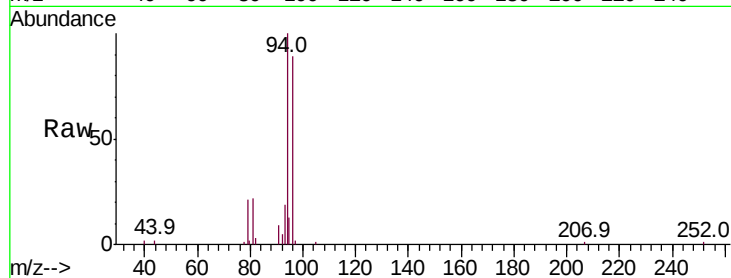
VD1112SBS02

Tot Ion: 94 Resp: 38640

Ion Ratio Lower Upper

94 100

96 88.9 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

20000

15000

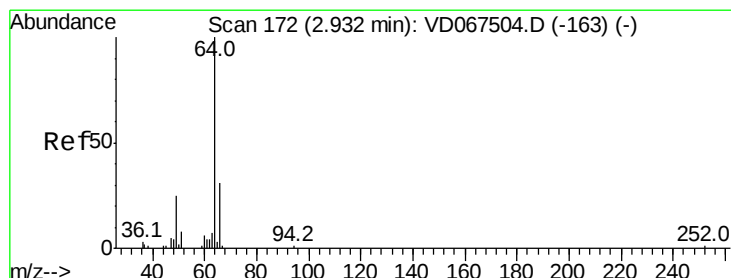
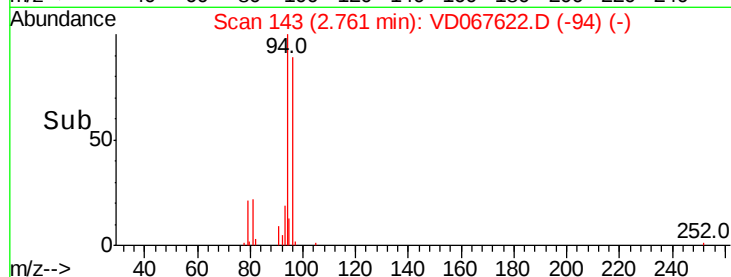
10000

5000

0

2.65 2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 19.584 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067622.D

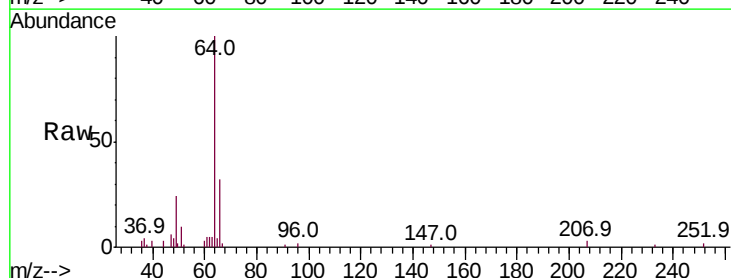
Acq: 12 Nov 2020 14:46

Tgt Ion: 64 Resp: 30763

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

15000

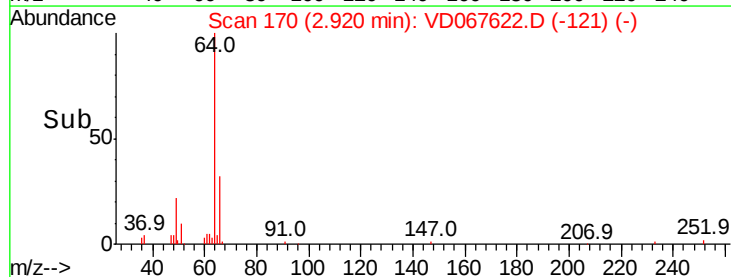
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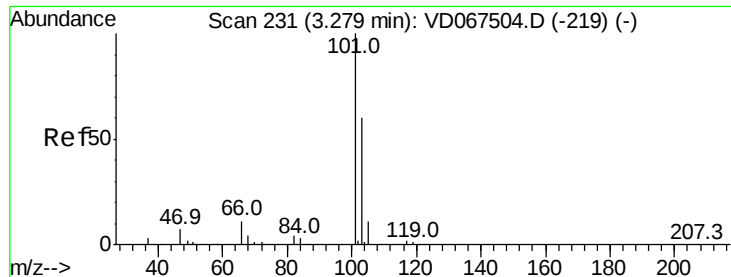
5000

0

2.85 2.90 2.95 3.00

Time-->



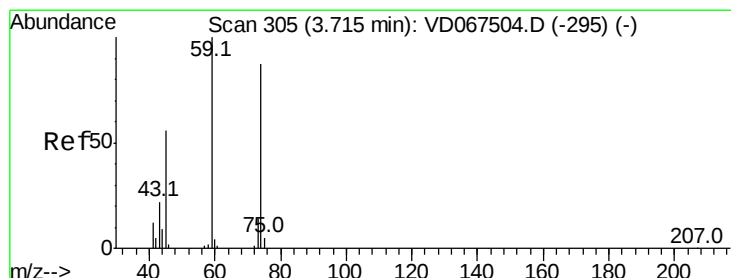
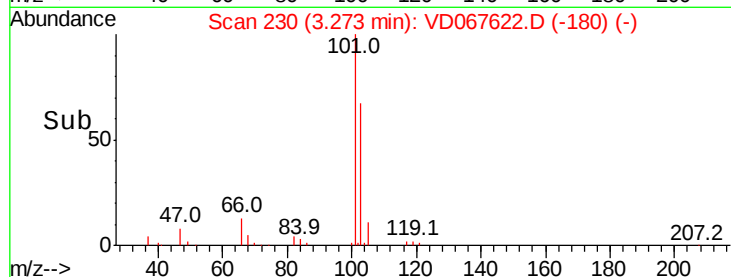
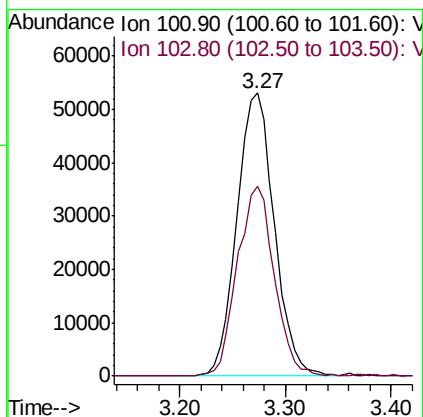
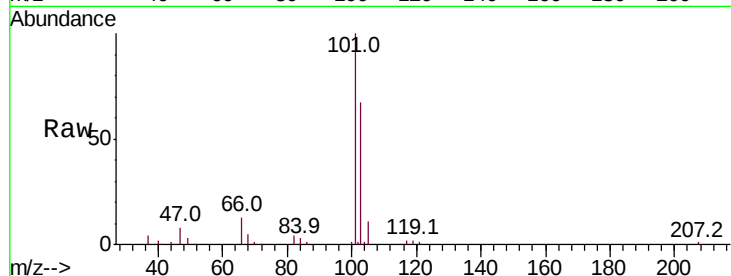


#7

Trichlorofluoromethane
 Concen: 19.821 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

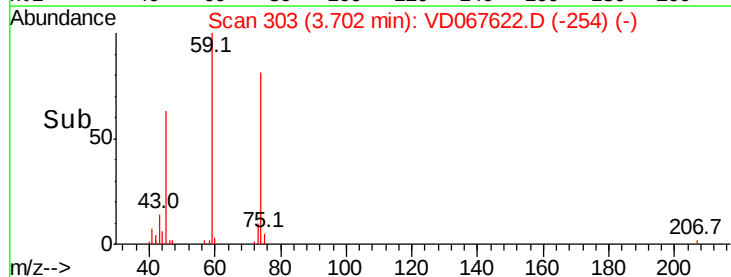
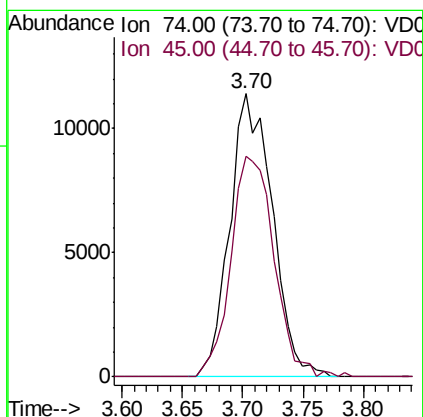
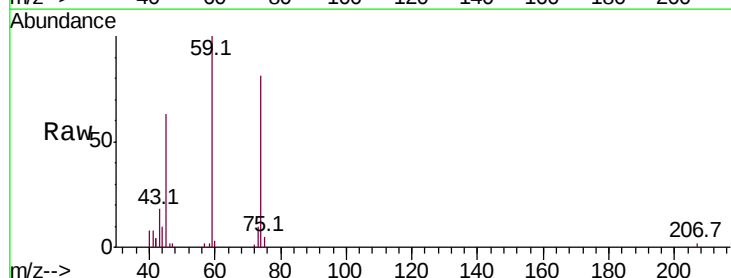
Tot Ion:101 Resp: 130763
 Ion Ratio Lower Upper
 101 100
 103 67.1 48.1 72.1

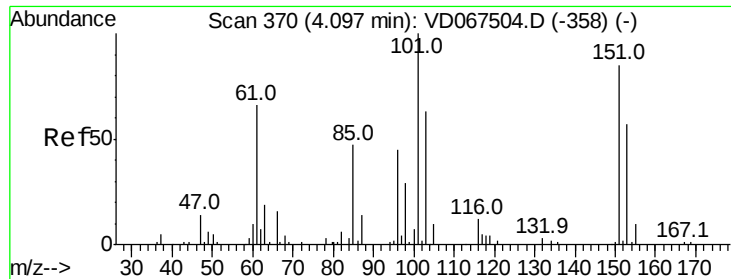


#8

Diethyl Ether
 Concen: 21.048 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion: 74 Resp: 27979
 Ion Ratio Lower Upper
 74 100
 45 79.2 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.101 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

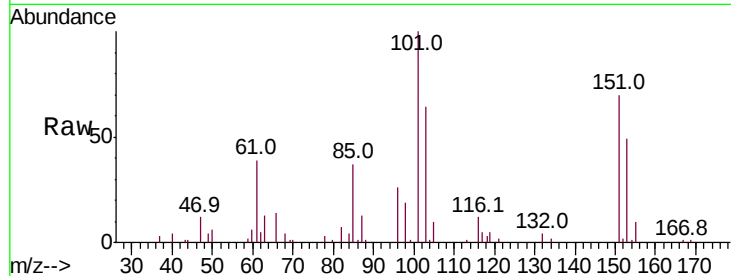
Tot Ion:101 Resp: 70268

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

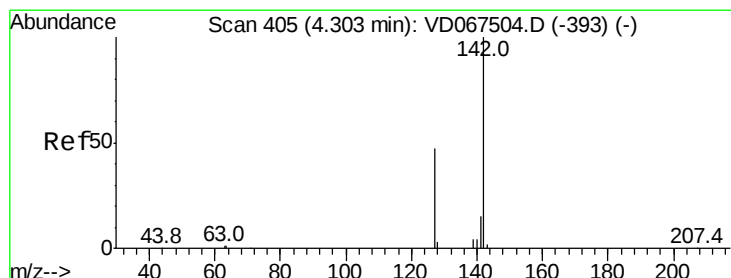
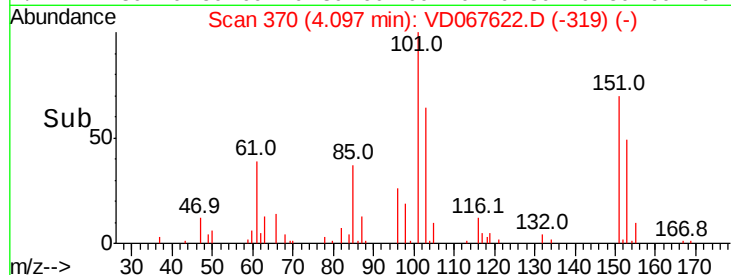
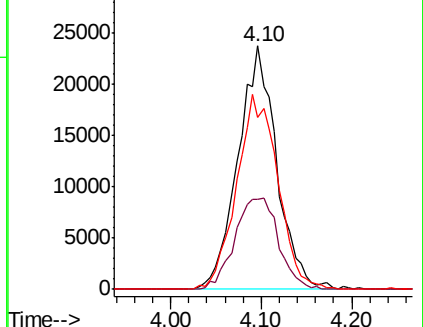
151 85.1 68.1 102.1



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: 18.525 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

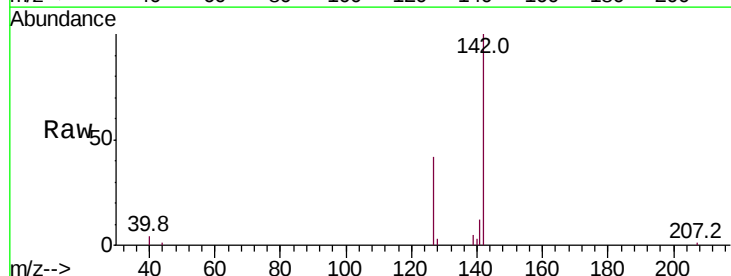
Tgt Ion:142 Resp: 66119

Ion Ratio Lower Upper

142 100

127 47.7 40.0 60.0

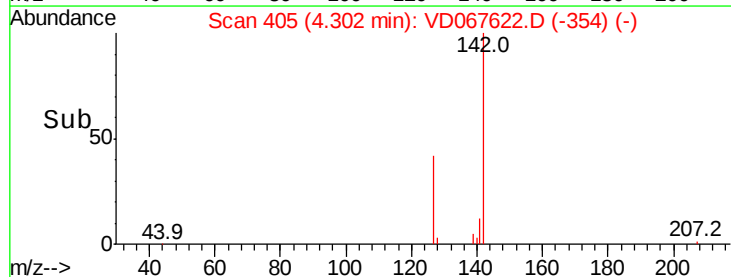
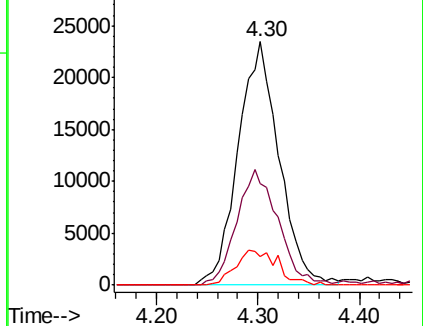
141 14.7 11.7 17.5

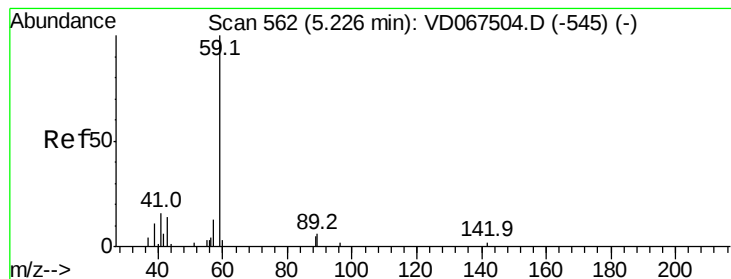


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 101.665 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

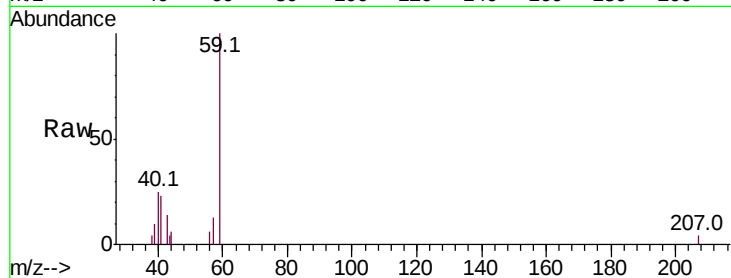
VD1112SBS02

Tot Ion: 59 Resp: 15716

Ion Ratio Lower Upper

59 100

57 0.0 5.9 8.9#

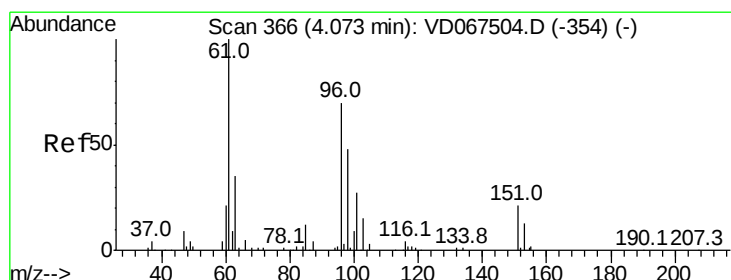
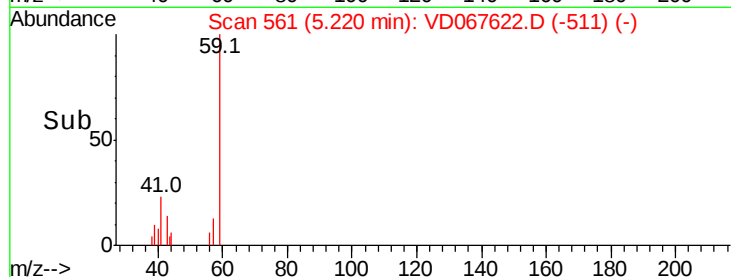


Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.22

Time-->



#12

1,1-Dichloroethene

Concen: 20.734 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

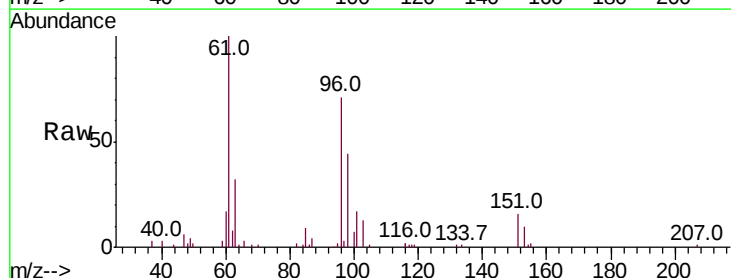
Tgt Ion: 96 Resp: 63510

Ion Ratio Lower Upper

96 100

61 140.2 114.5 171.7

98 61.8 54.5 81.7



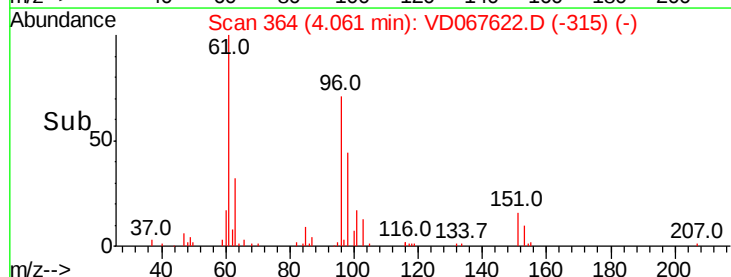
Abundance Ion 95.90 (95.60 to 96.60): VDC

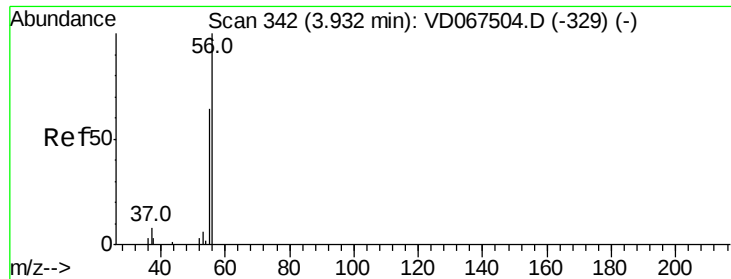
Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

4.06

Time-->





#13

Acrolein

Concen: 66.113 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.02 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

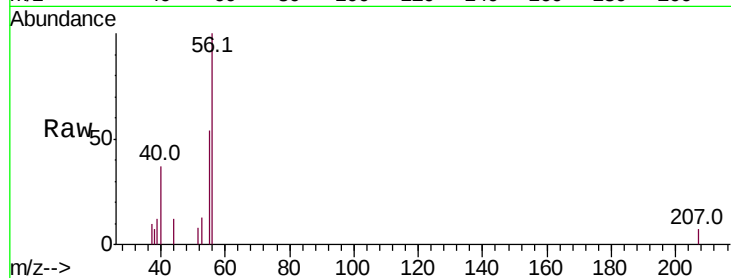
VD1112SBS02

Tot Ion: 56 Resp: 6066

Ion Ratio Lower Upper

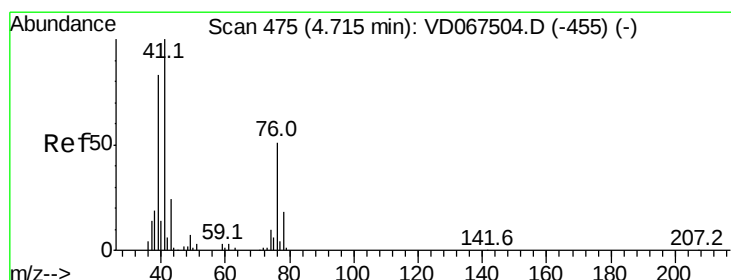
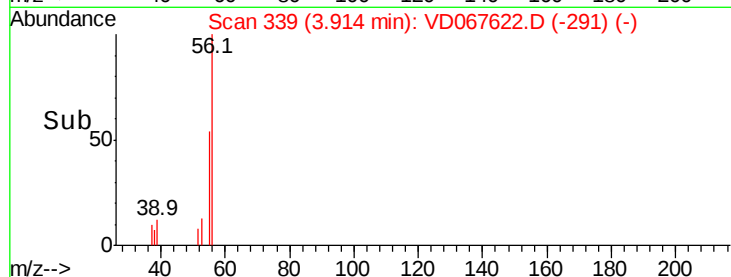
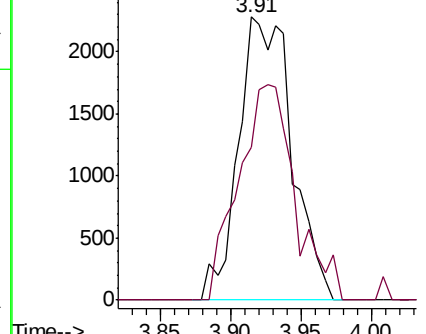
56 100

55 80.3 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.484 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

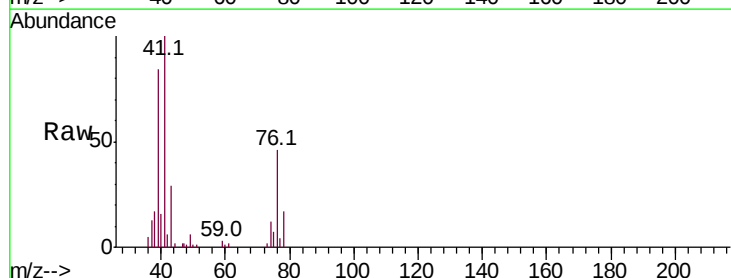
Tgt Ion: 41 Resp: 70428

Ion Ratio Lower Upper

41 100

39 79.2 67.4 101.0

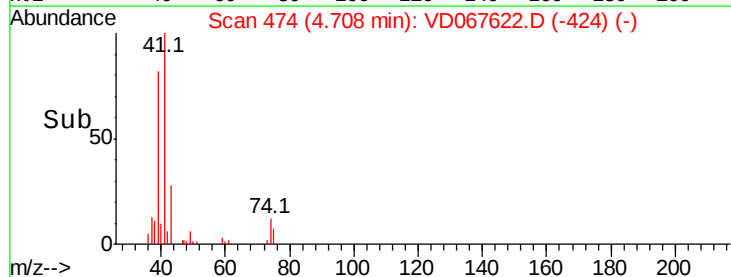
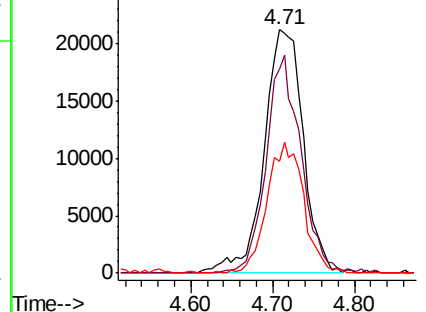
76 50.0 42.2 63.2

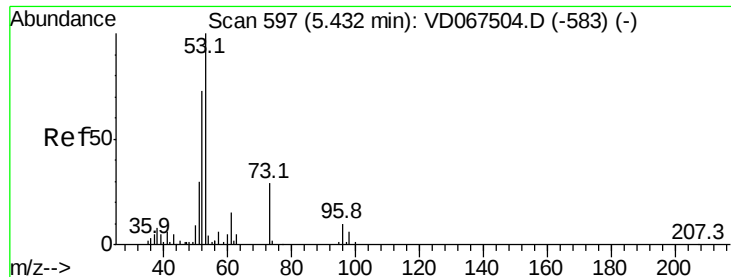


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 105.859 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

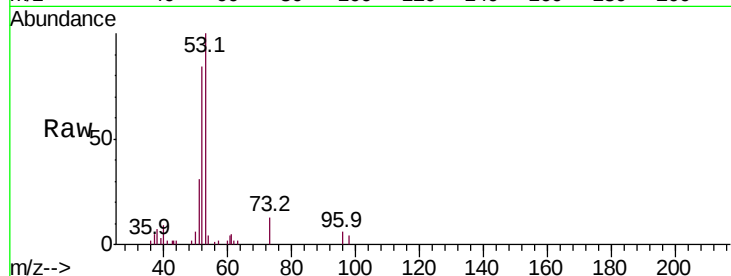
Tot Ion: 53 Resp: 52018

Ion Ratio Lower Upper

53 100

52 82.8 64.8 97.2

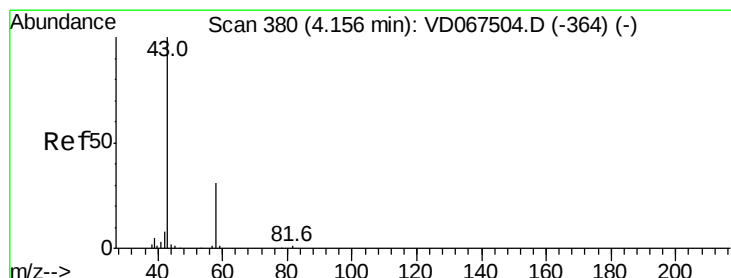
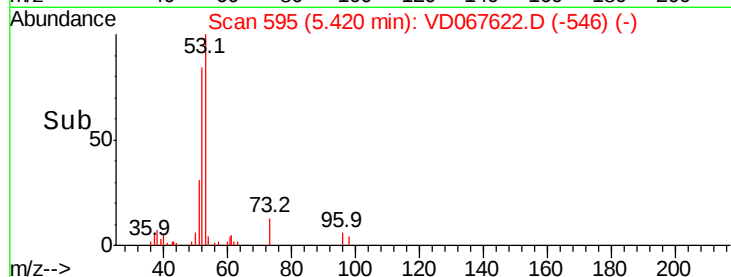
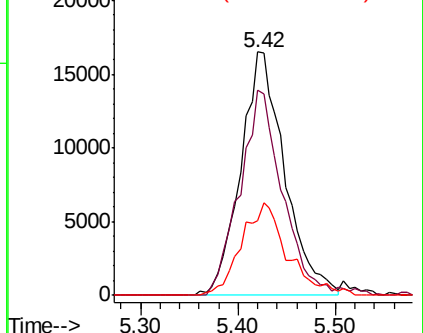
51 39.9 29.5 44.3



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: 88.044 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067622.D

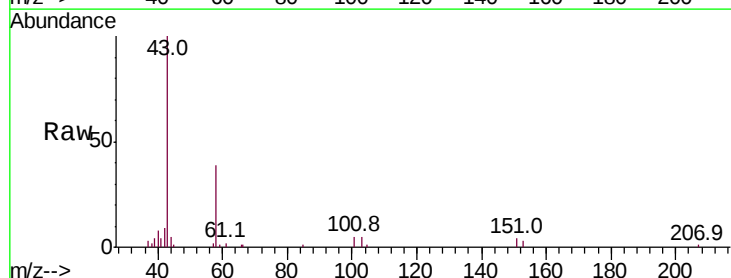
Acq: 12 Nov 2020 14:46

Tgt Ion: 43 Resp: 42278

Ion Ratio Lower Upper

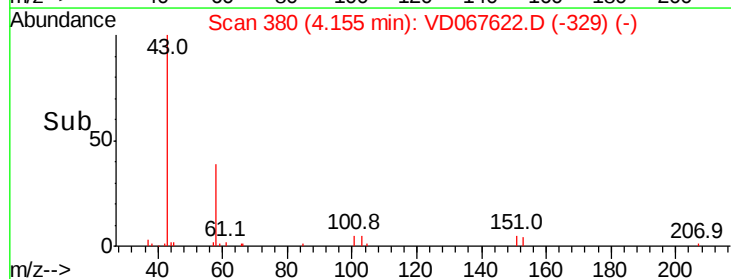
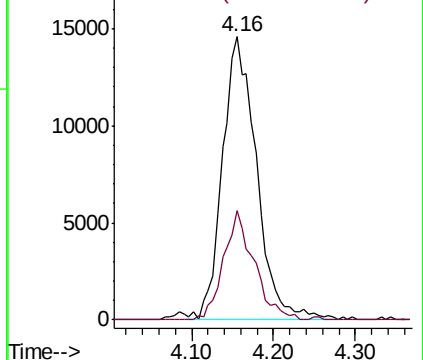
43 100

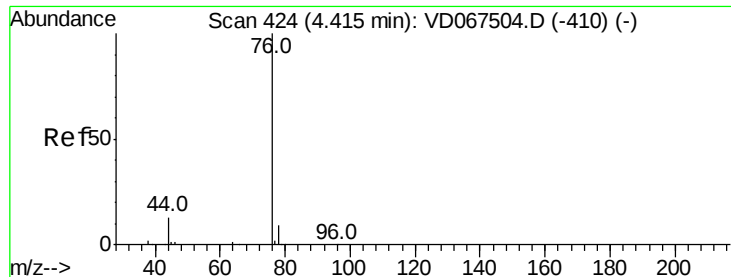
58 38.5 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

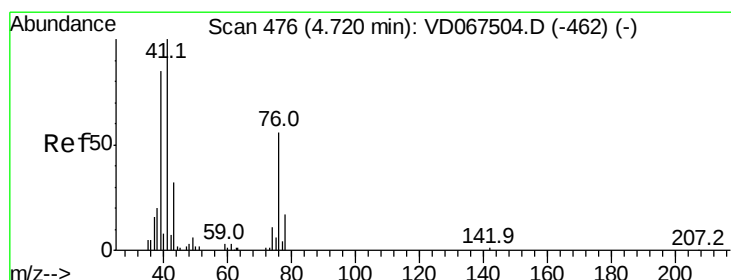
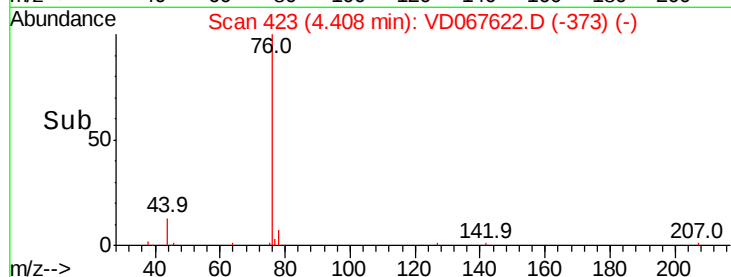
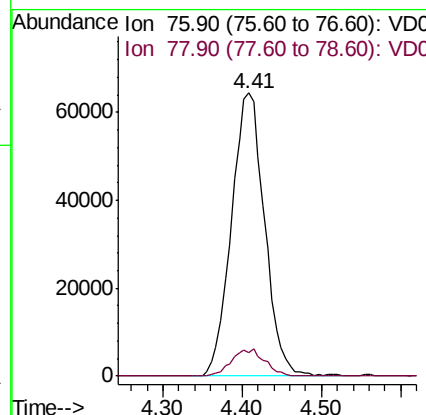
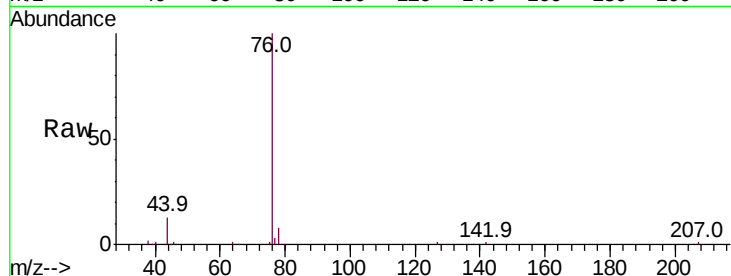




#17
Carbon Disulfide
Concen: 19.848 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

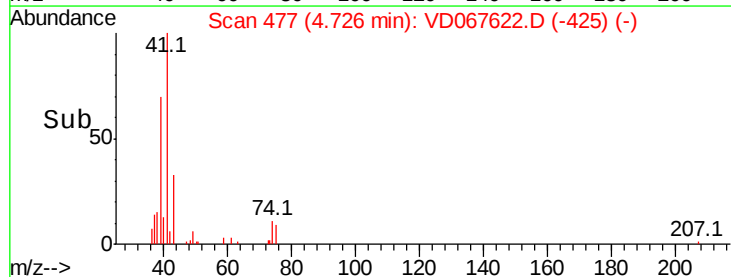
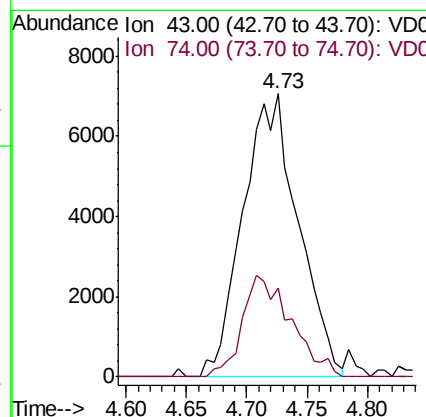
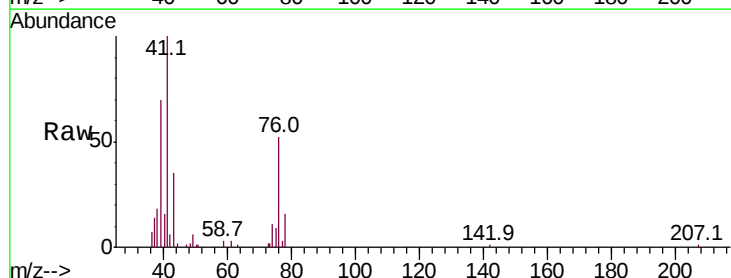
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

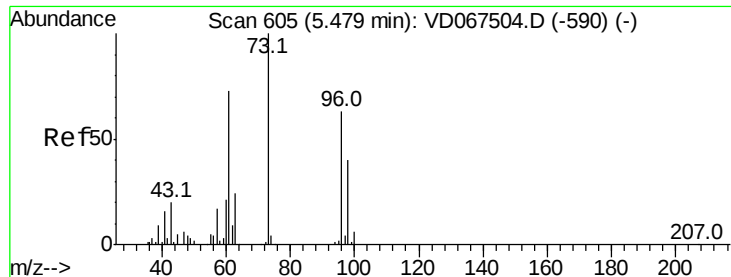
Tot Ion: 76 Resp: 186290
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8



#18
Methyl Acetate
Concen: 22.692 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 43 Resp: 22517
Ion Ratio Lower Upper
43 100
74 31.7 27.2 40.8

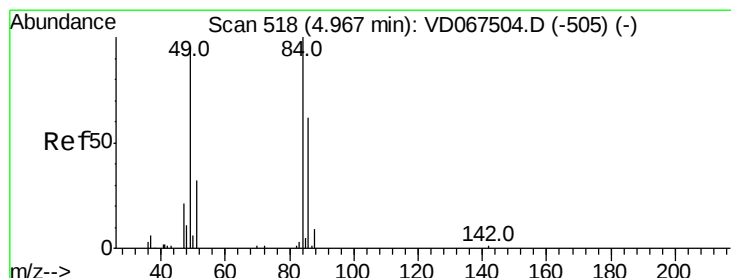
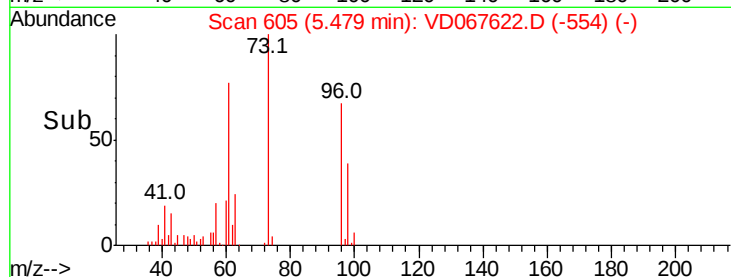
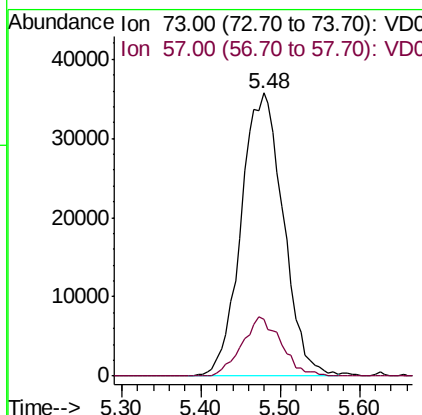
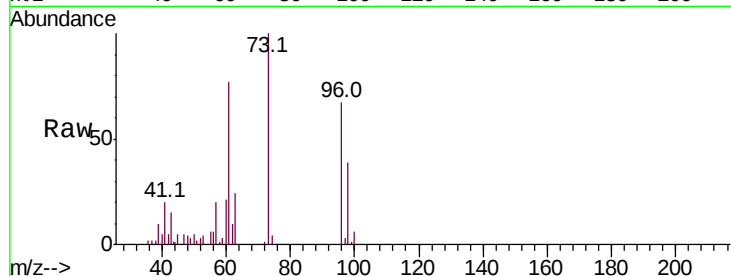




#19
Methvl tert-butvl Ether
Concen: 21.828 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

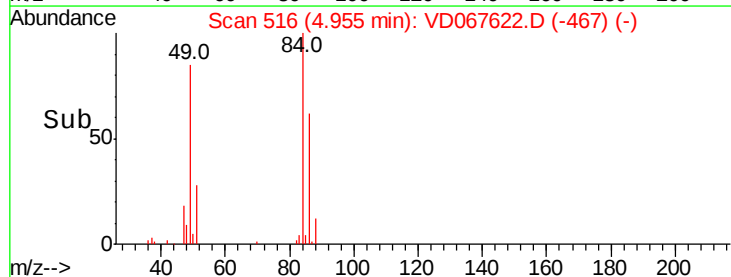
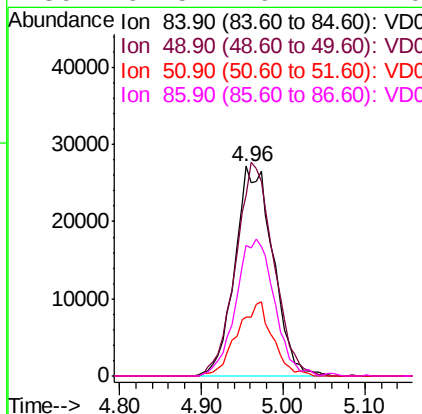
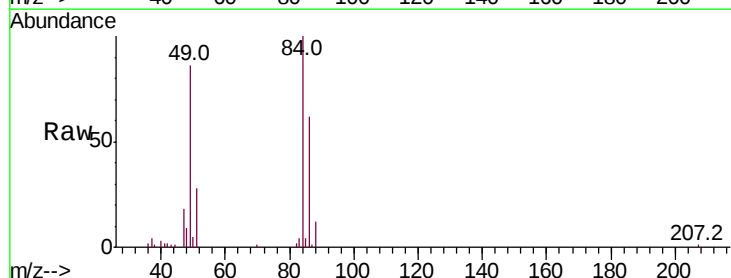
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

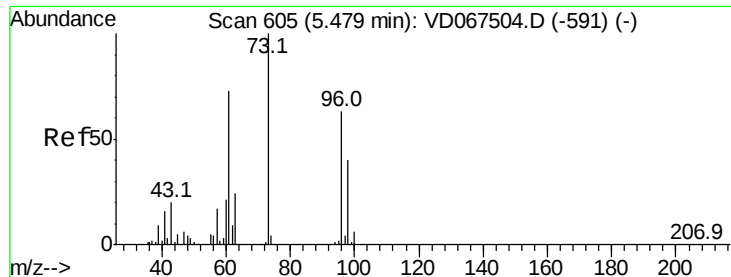
Tot Ion: 73 Resp: 131883
Ion Ratio Lower Upper
73 100
57 20.2 13.4 20.0#



#20
Methylene Chloride
Concen: 26.058 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 84 Resp: 88389
Ion Ratio Lower Upper
84 100
49 86.0 77.0 115.4
51 28.0 25.4 38.2
86 62.5 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.748 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

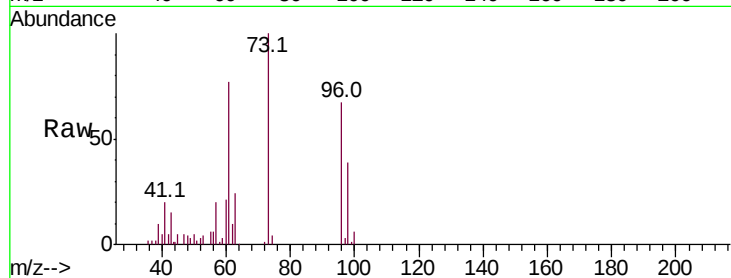
Tot Ion: 96 Resp: 74021

Ion Ratio Lower Upper

96 100

61 114.2 93.0 139.6

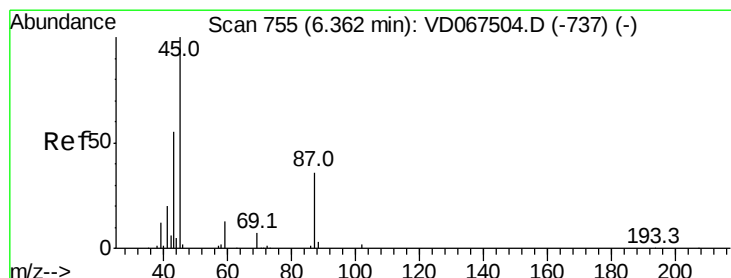
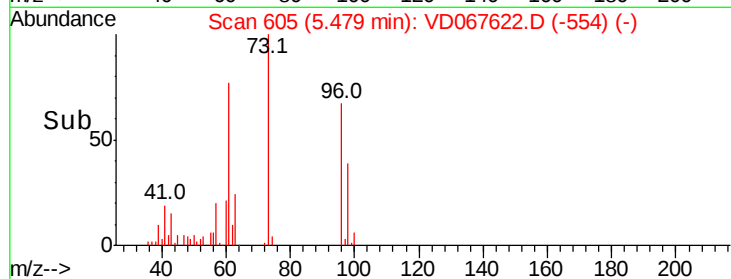
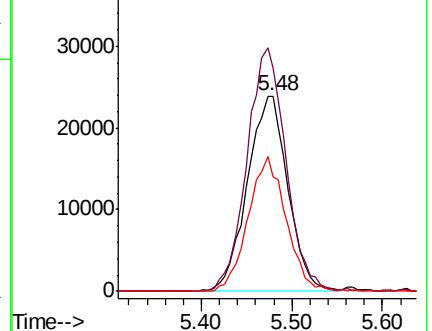
98 58.5 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 22.846 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Tgt Ion: 45 Resp: 145947

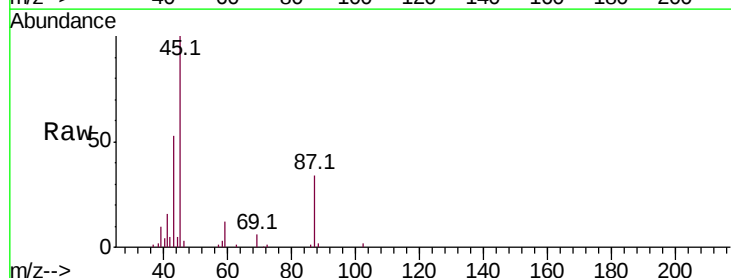
Ion Ratio Lower Upper

45 100

43 52.0 46.2 69.4

87 33.6 29.4 44.2

59 11.9 10.8 16.2

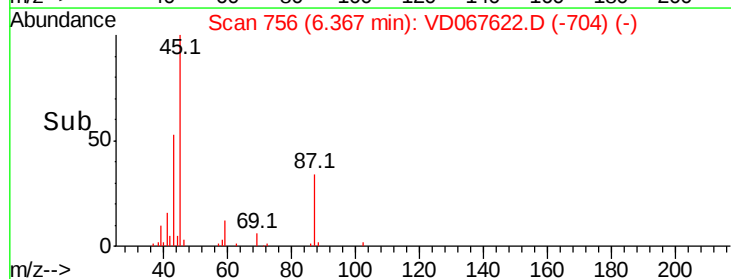
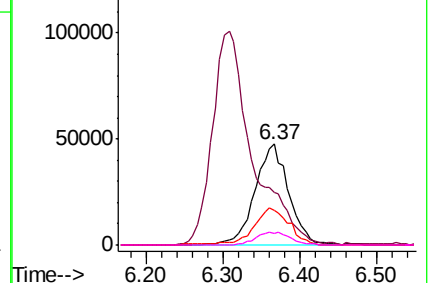


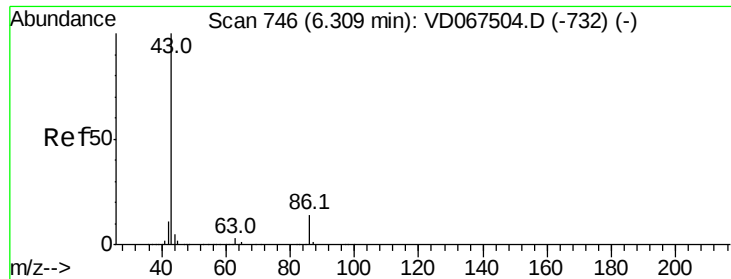
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

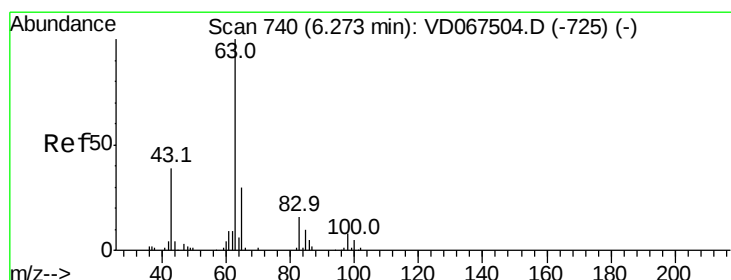
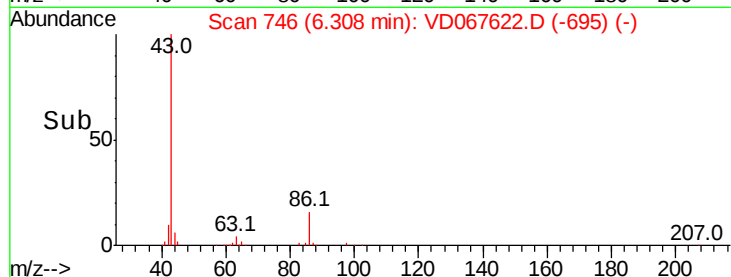
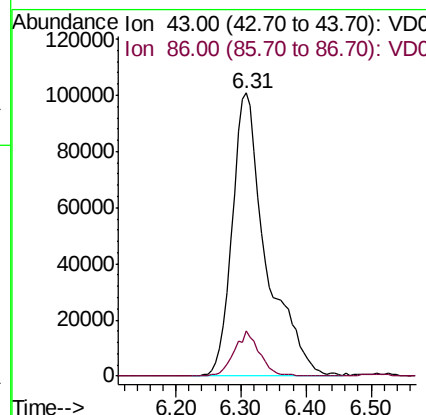
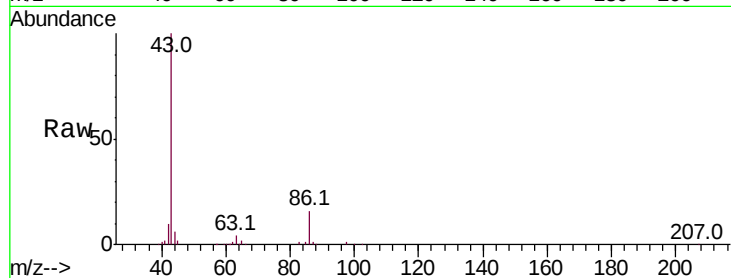




#23
 Vinyl Acetate
 Concen: 108.949 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

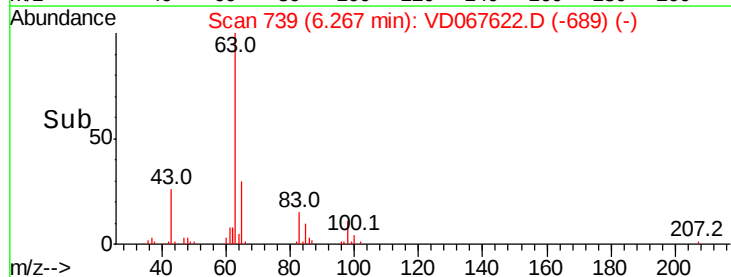
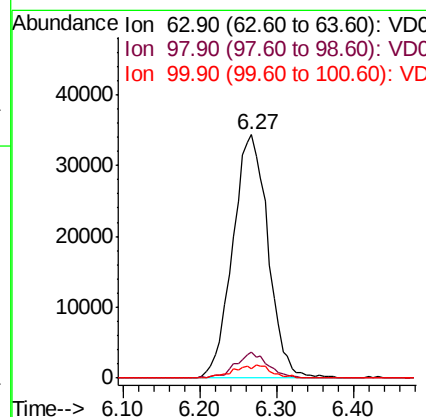
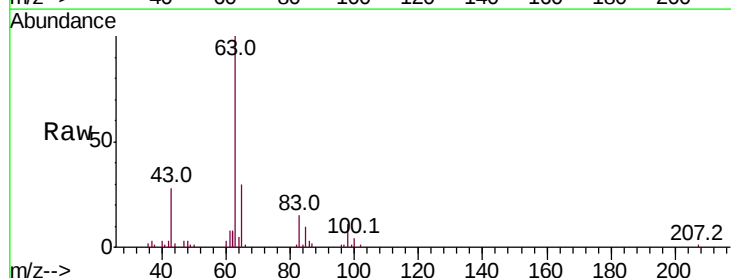
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

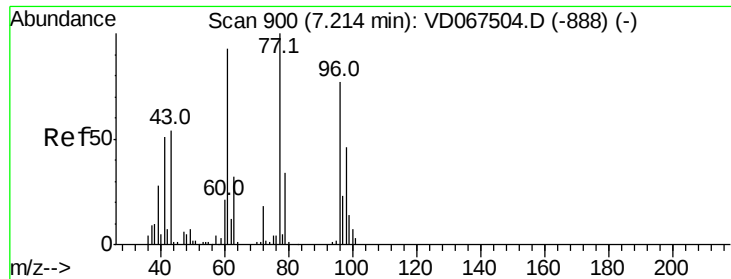
Tot Ion: 43 Resp: 364324
 Ion Ratio Lower Upper
 43 100
 86 16.1 11.6 17.4



#24
 1,1-Dichloroethane
 Concen: 21.082 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion: 63 Resp: 110180
 Ion Ratio Lower Upper
 63 100
 98 10.6 3.9 11.5
 100 4.0 2.6 7.8





#25

2-Butanone

Concen: 114.863 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

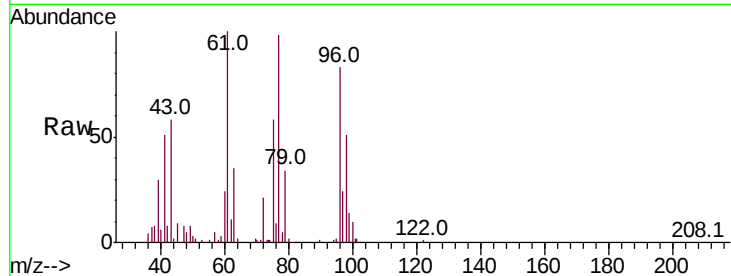
VD1112SBS02

Tot Ion: 43 Resp: 58936

Ion Ratio Lower Upper

43 100

72 36.4 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

25000

20000

15000

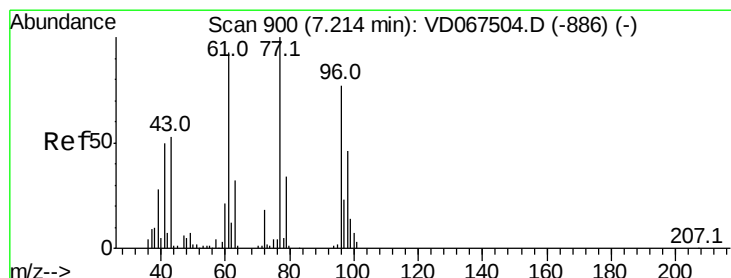
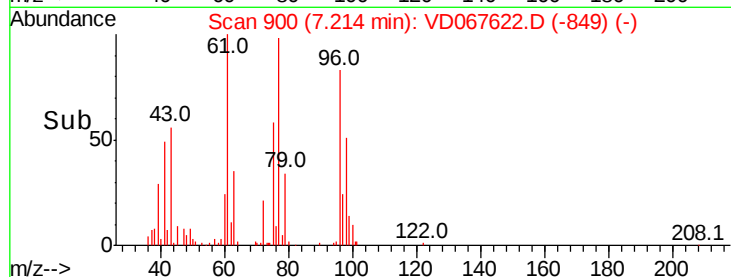
10000

5000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#26

2,2-Dichloropropane

Concen: 21.017 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067622.D

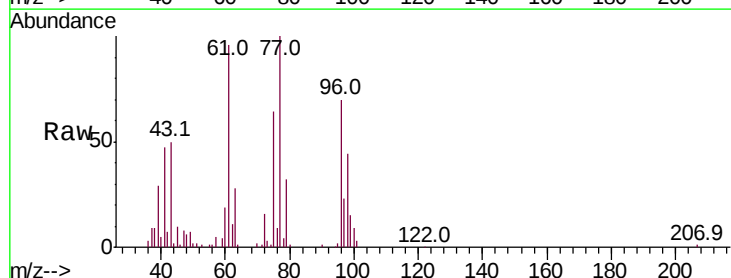
Acq: 12 Nov 2020 14:46

Tgt Ion: 77 Resp: 115923

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

40000

30000

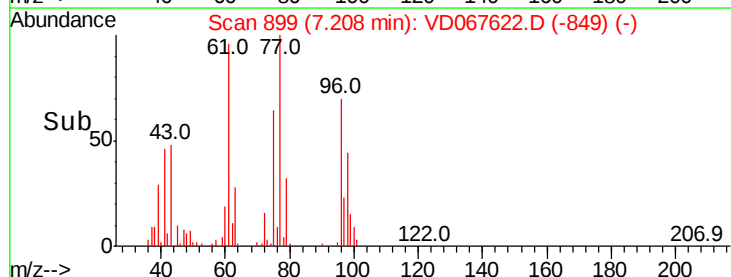
20000

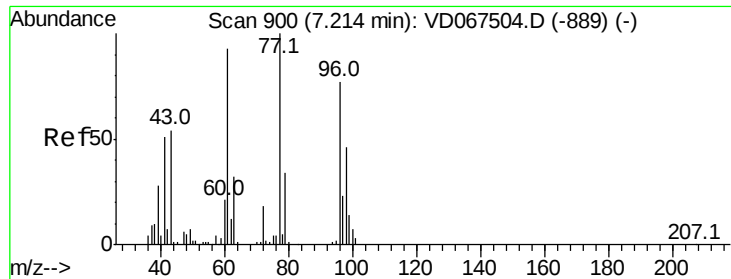
10000

0

7.10 7.20 7.30

Time-->



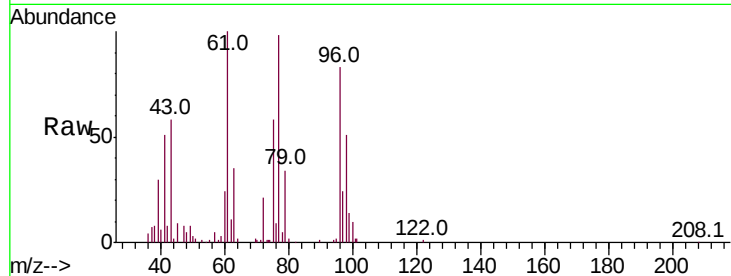


#27

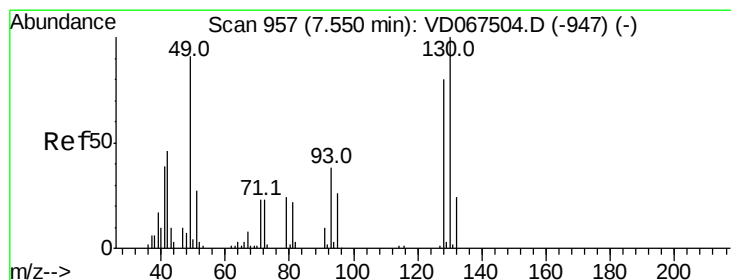
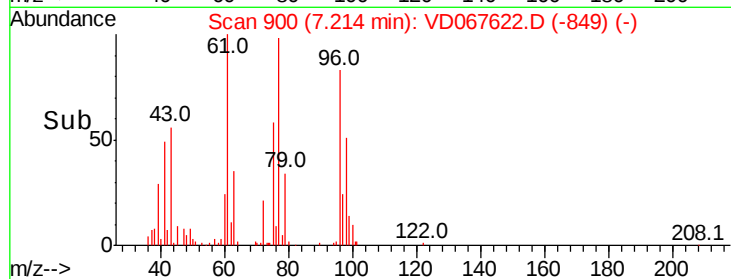
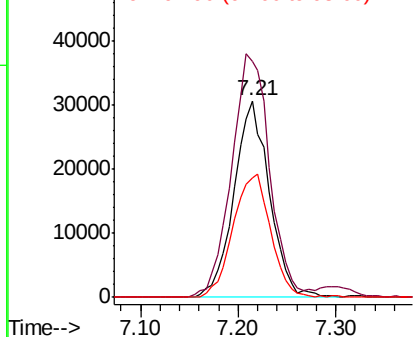
cis-1,2-Dichloroethene
Concen: 20.953 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion: 96 Resp: 77592
Ion Ratio Lower Upper
96 100
61 133.7 0.0 251.6
98 66.4 0.0 128.0



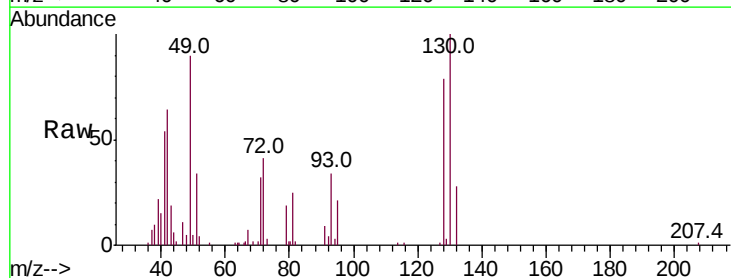
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



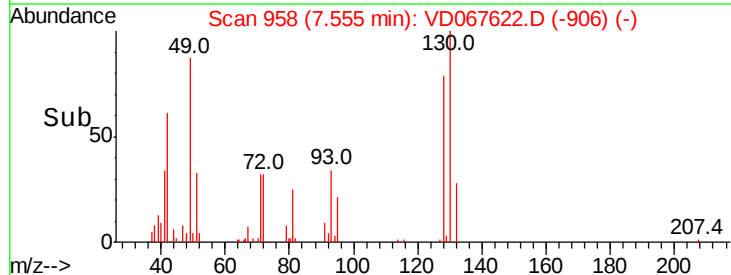
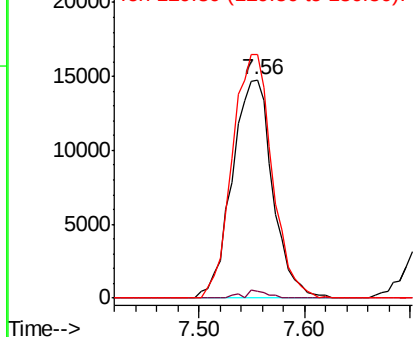
#28

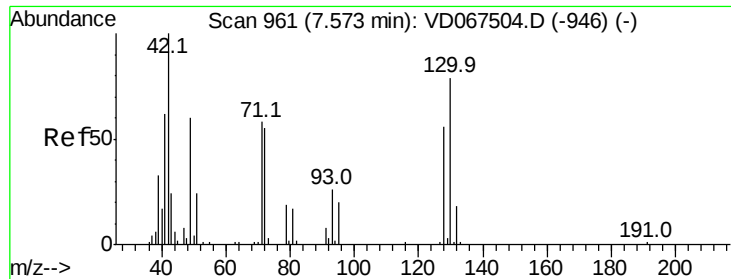
Bromochloromethane
Concen: 21.085 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 49 Resp: 39197
Ion Ratio Lower Upper
49 100
129 2.1 0.0 6.4
130 110.0 94.6 142.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

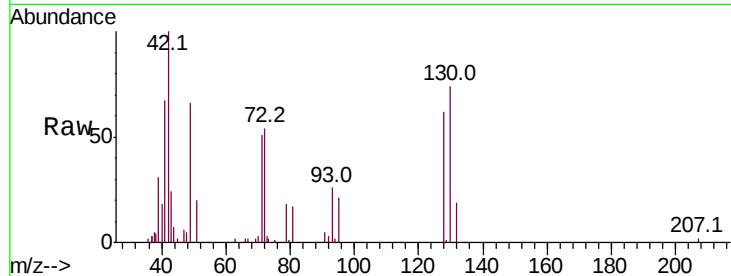




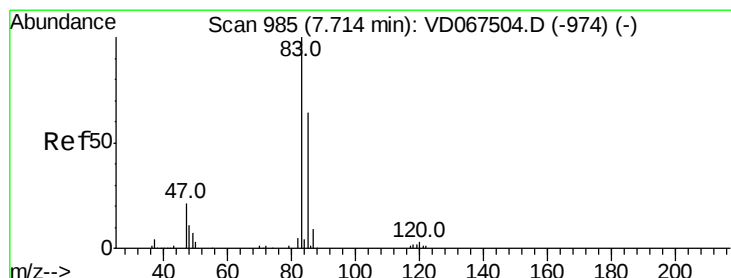
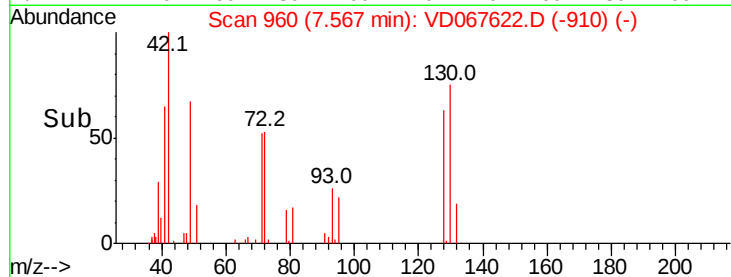
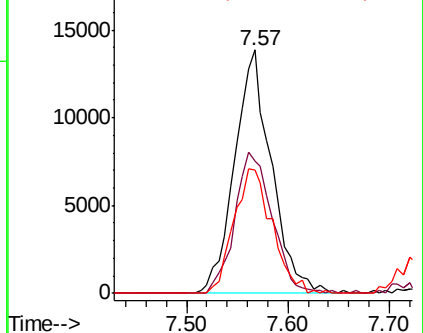
#29
Tetrahydrofuran
Concen: 113.627 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion: 42 Resp: 34923
Ion Ratio Lower Upper
42 100
72 58.8 46.3 69.5
71 53.0 44.0 66.0

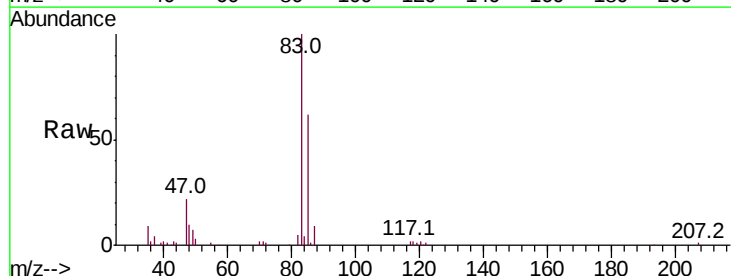


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

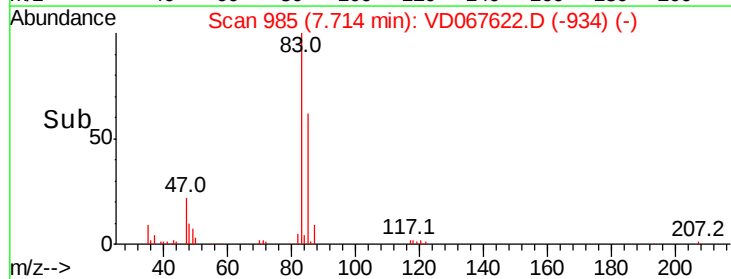
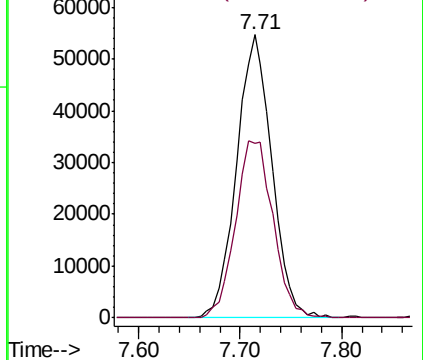


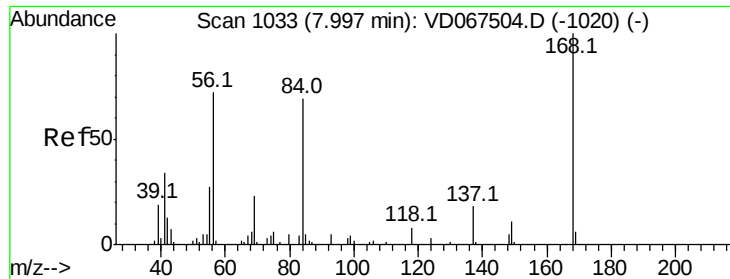
#30
Chloroform
Concen: 21.188 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 83 Resp: 132108
Ion Ratio Lower Upper
83 100
85 61.7 51.5 77.3



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

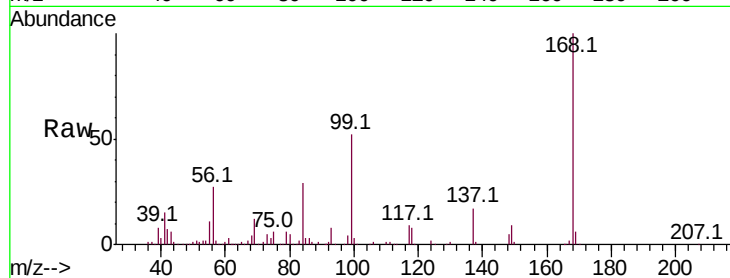




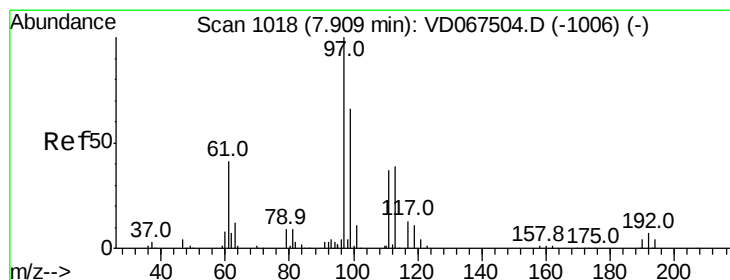
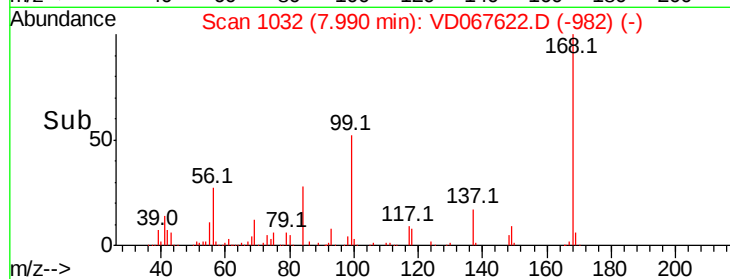
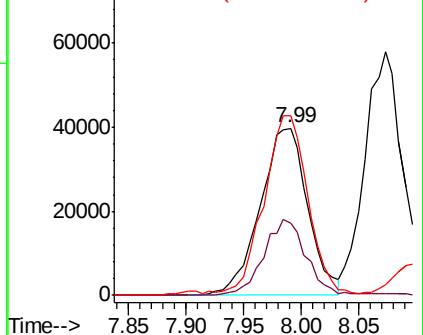
#31
Cyclohexane
Concen: 24.538 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion: 56 Resp: 114202
Ion Ratio Lower Upper
56 100
69 42.8 25.9 38.9#
84 104.5 76.2 114.4

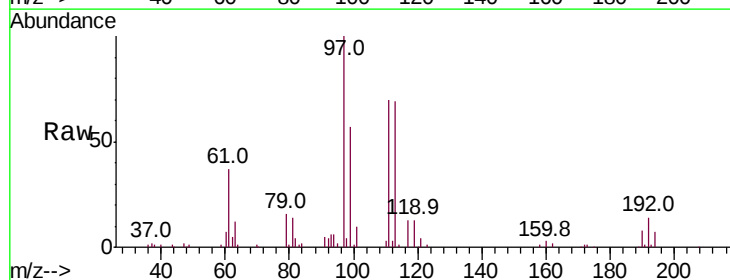


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

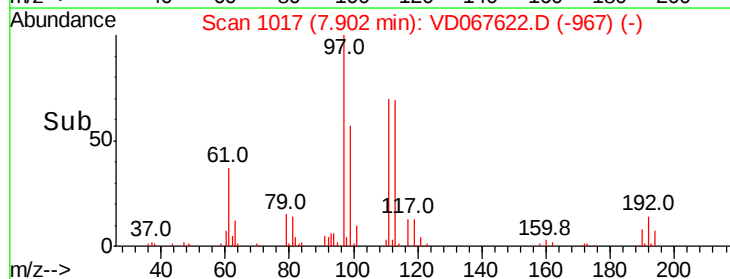
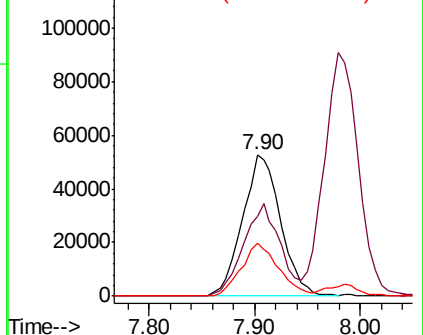


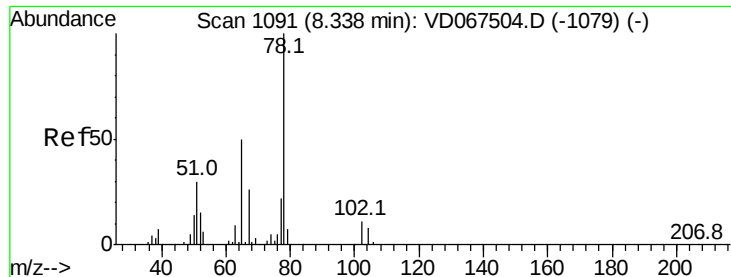
#32
1,1,1-Trichloroethane
Concen: 20.495 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 97 Resp: 131847
Ion Ratio Lower Upper
97 100
99 63.6 51.8 77.6
61 37.0 30.5 45.7



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

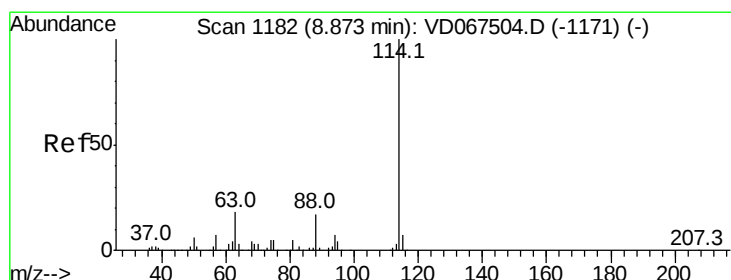
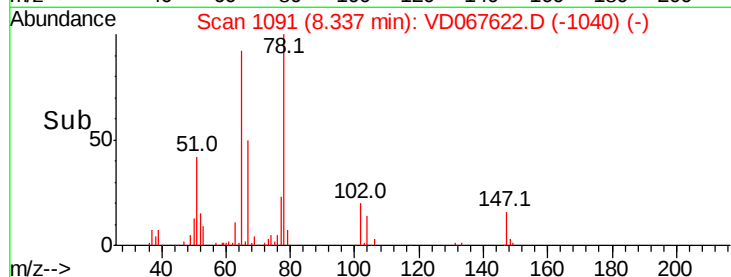
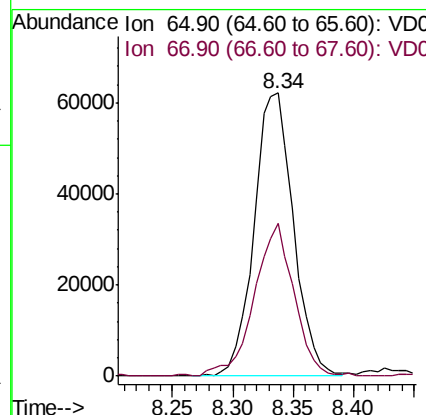
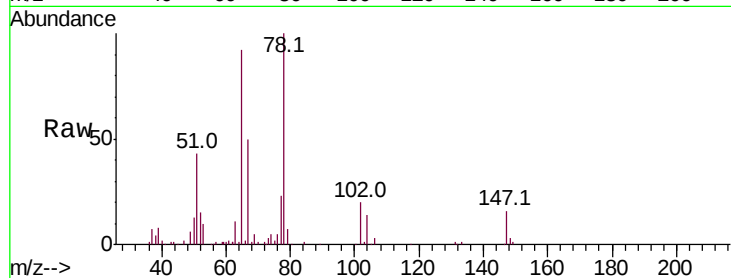




#33
 1,2-Dichloroethane-d4
 Concen: 43.962 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

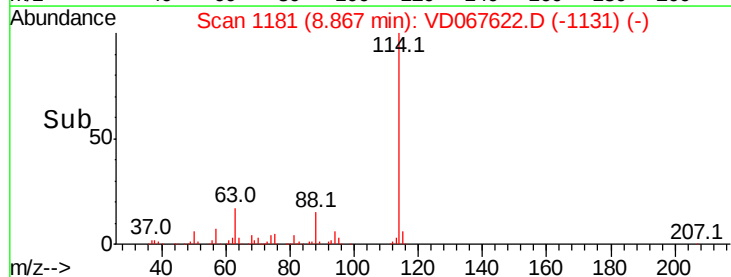
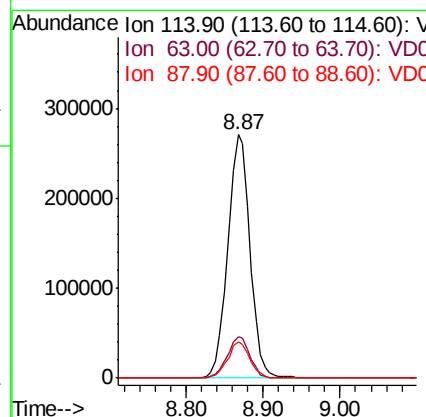
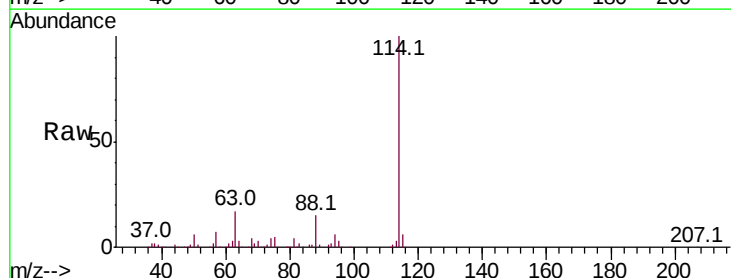
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

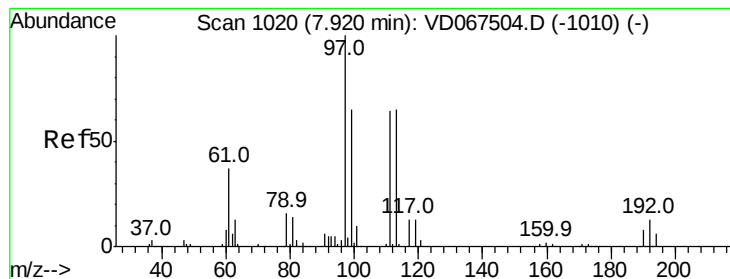
Tot Ion: 65 Resp: 141068
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion: 114 Resp: 542380
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 35.0
 88 14.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 46.477 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

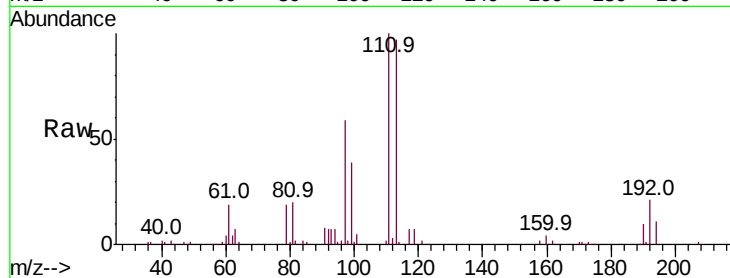
Tot Ion:113 Resp: 151878

Ion Ratio Lower Upper

113 100

111 102.8 80.0 120.0

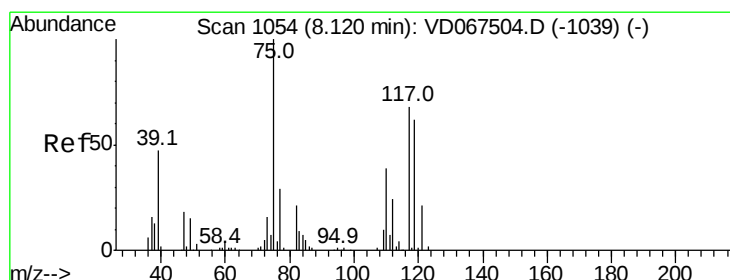
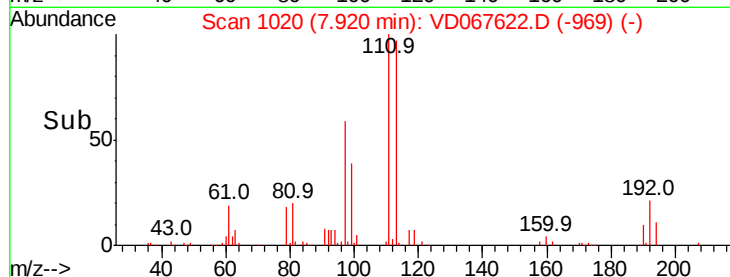
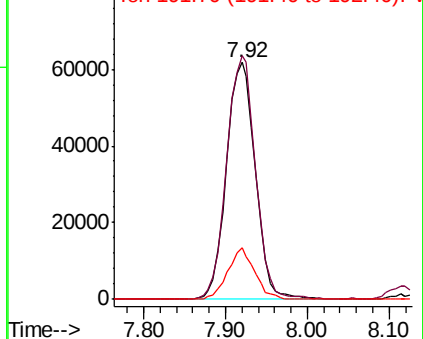
192 20.1 16.3 24.5



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: 21.177 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

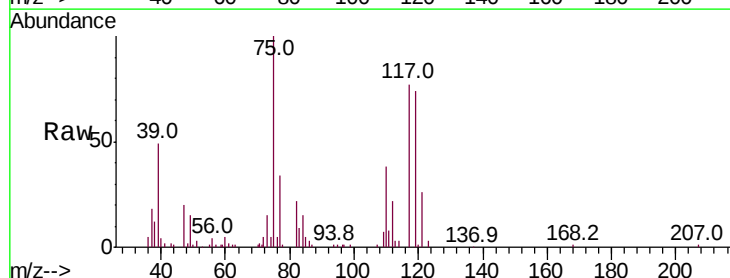
Tgt Ion: 75 Resp: 98320

Ion Ratio Lower Upper

75 100

110 38.2 19.9 59.7

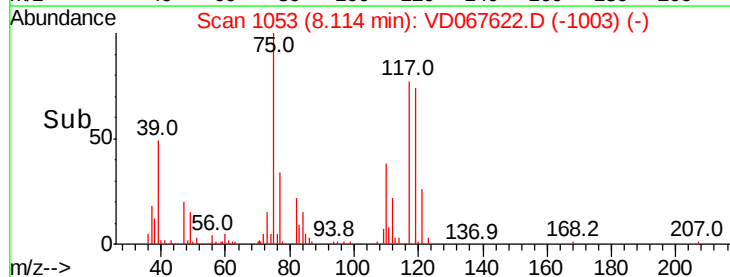
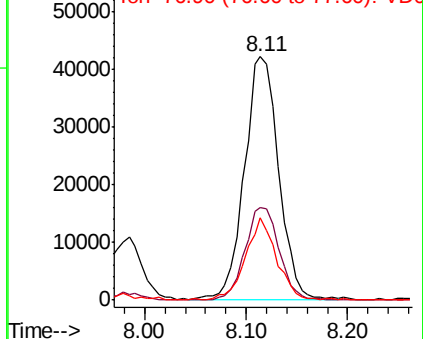
77 31.0 24.8 37.2

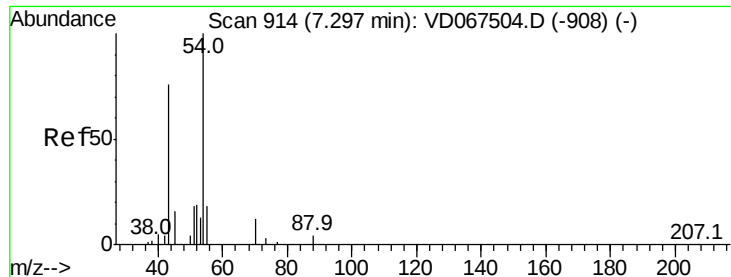


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

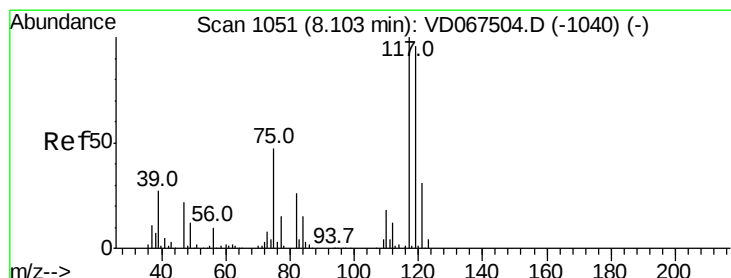
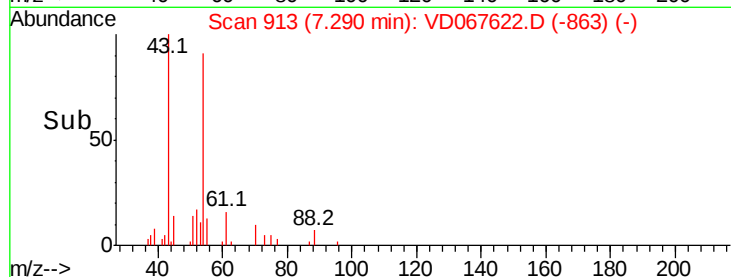
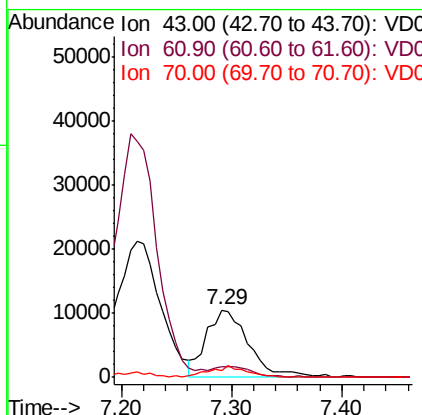
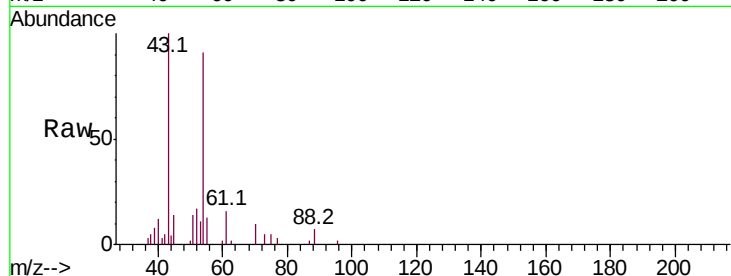




#37
Ethyl Acetate
Concen: 23.165 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

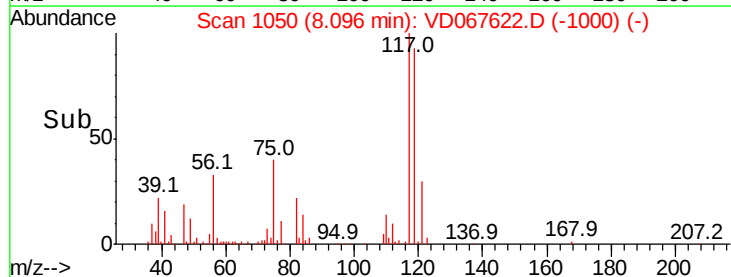
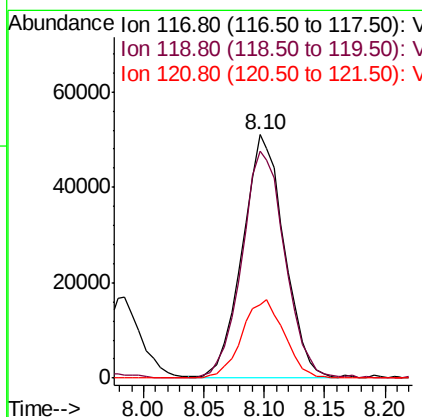
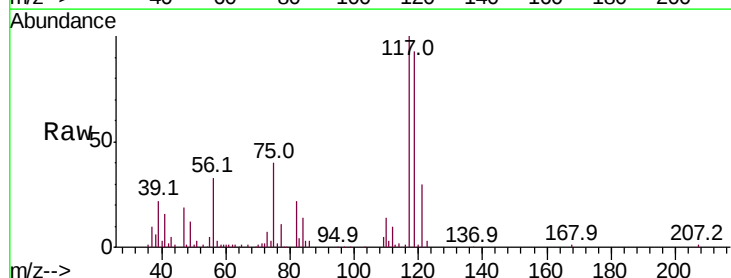
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

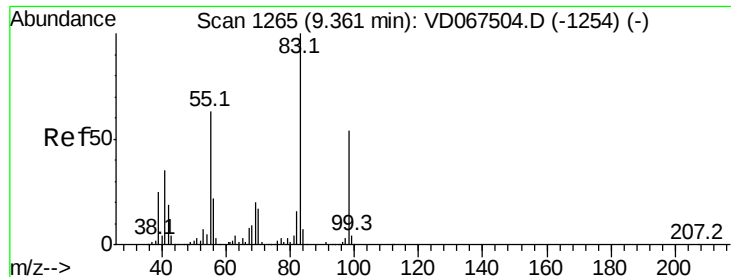
Tot Ion: 43 Resp: 27922
Ion Ratio Lower Upper
43 100
61 14.3 12.8 19.2
70 14.5 11.7 17.5



#38
Carbon Tetrachloride
Concen: 20.460 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 117 Resp: 123419
Ion Ratio Lower Upper
117 100
119 93.1 76.9 115.3
121 30.0 24.5 36.7

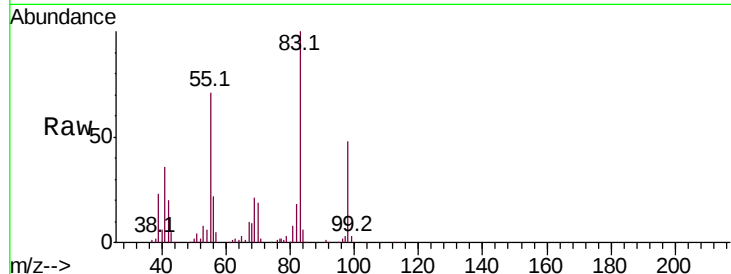




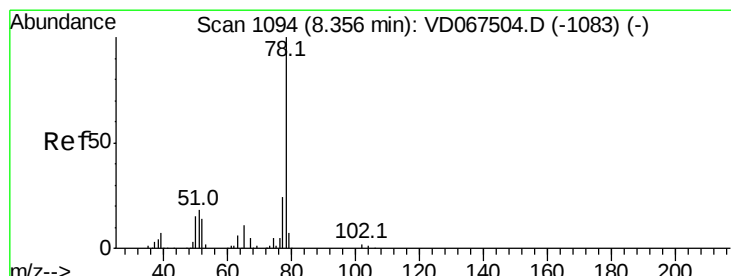
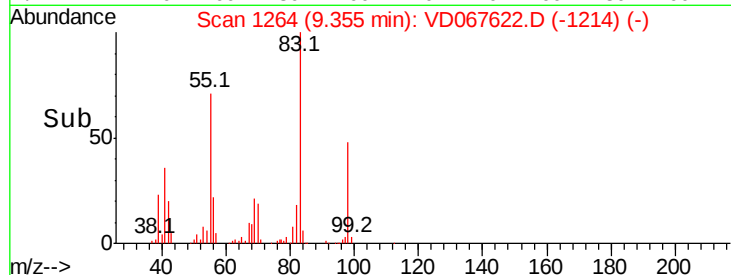
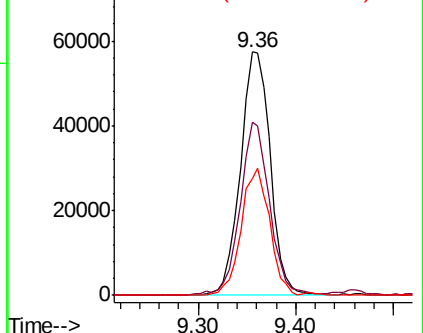
#39
Methvlcvclohexane
Concen: 22.462 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion: 83 Resp: 122741
Ion Ratio Lower Upper
83 100
55 71.4 50.5 75.7
98 48.0 43.4 65.0

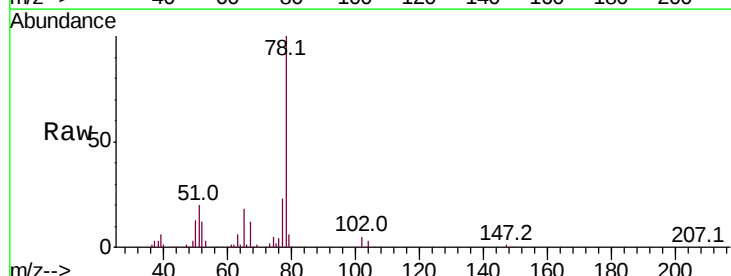


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

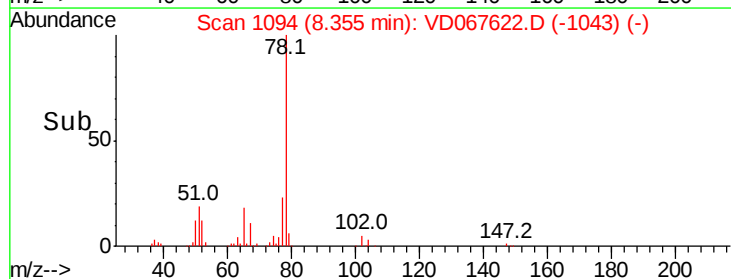
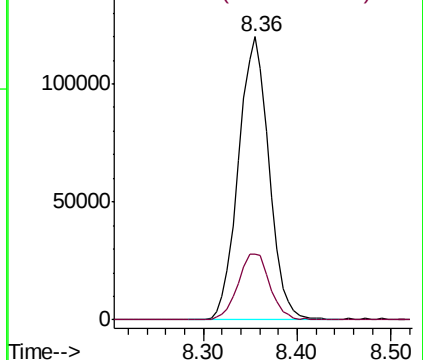


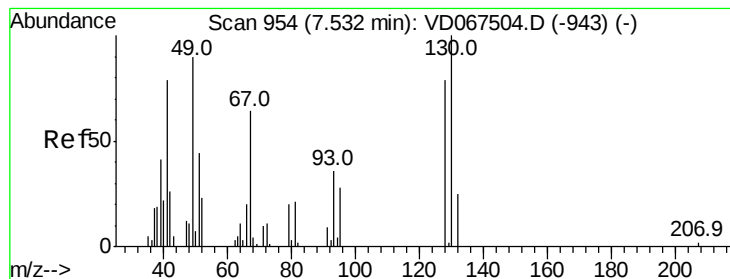
#40
Benzene
Concen: 21.524 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 78 Resp: 270690
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7



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





#41

Methacrylonitrile

Concen: 20.149 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion: 41 Resp: 14517

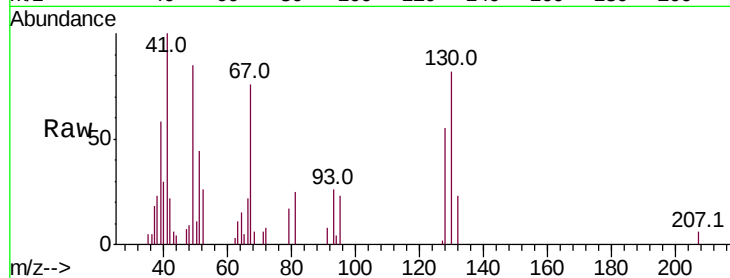
Ion Ratio Lower Upper

41 100

39 62.4 51.3 76.9

67 97.0 78.9 118.3

52 41.2 31.4 47.2

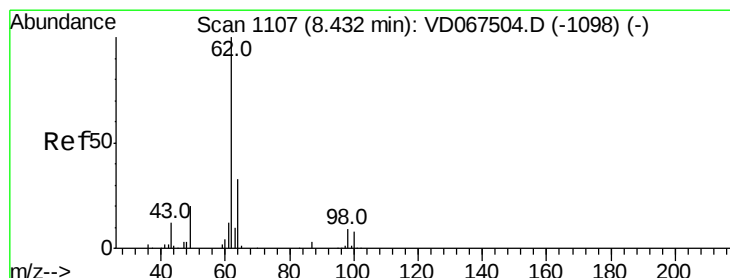
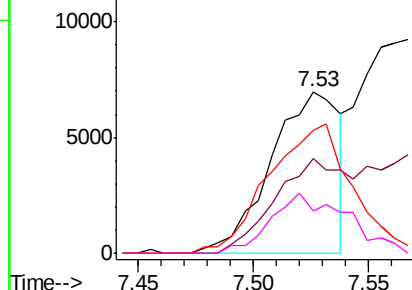
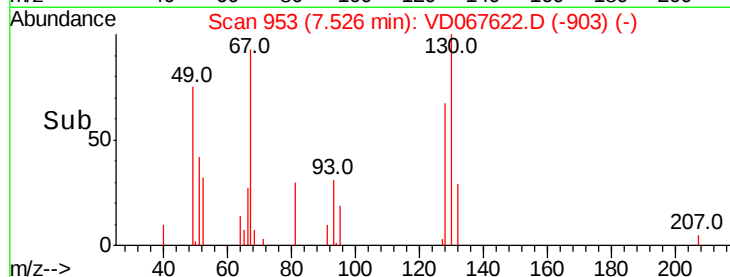


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.663 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067622.D

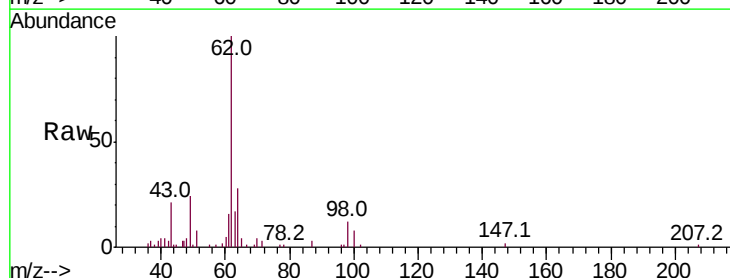
Acq: 12 Nov 2020 14:46

Tgt Ion: 62 Resp: 76403

Ion Ratio Lower Upper

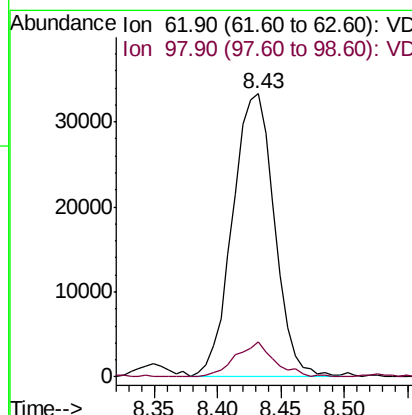
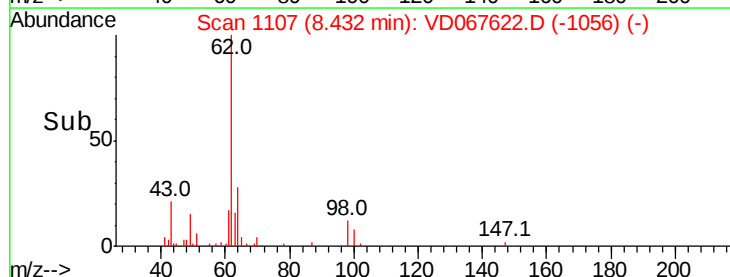
62 100

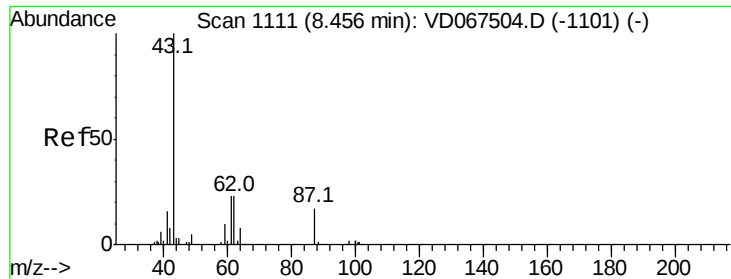
98 11.5 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 25.514 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

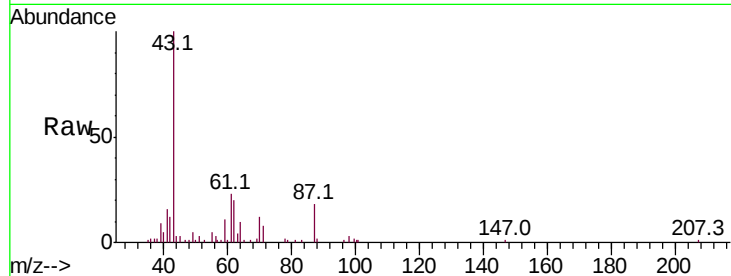
Tot Ion: 43 Resp: 60820

Ion Ratio Lower Upper

43 100

61 33.8 30.5 45.7

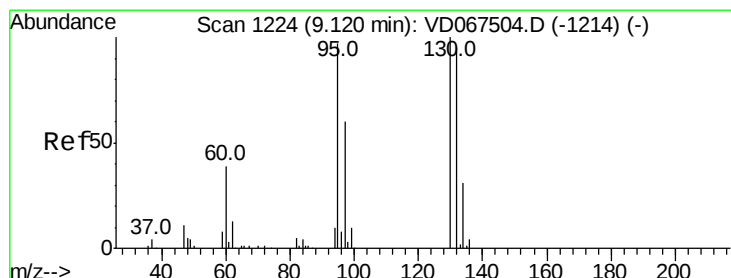
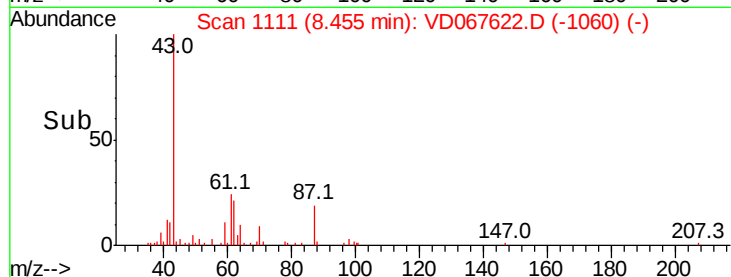
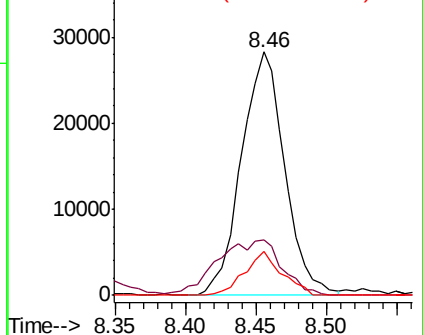
87 15.6 14.7 22.1



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: 21.328 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067622.D

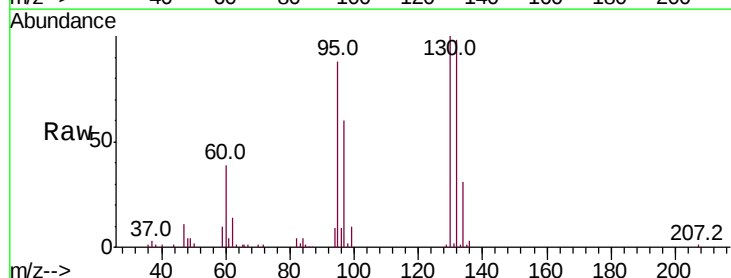
Acq: 12 Nov 2020 14:46

Tgt Ion:130 Resp: 88192

Ion Ratio Lower Upper

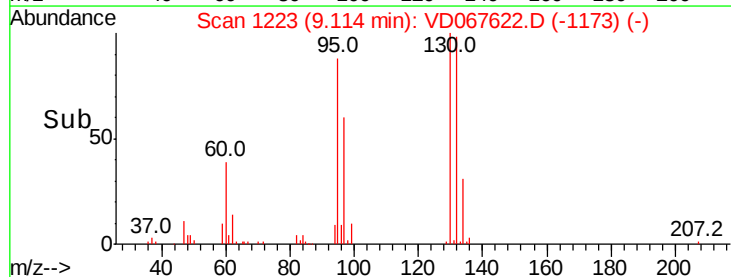
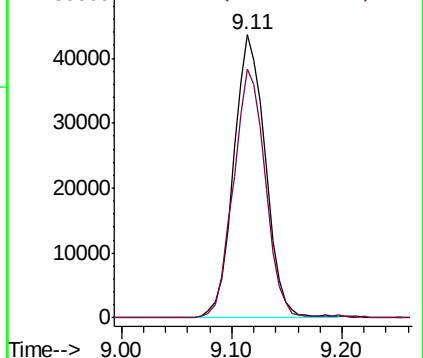
130 100

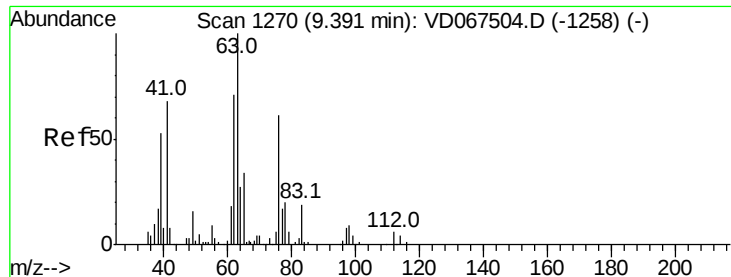
95 87.9 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

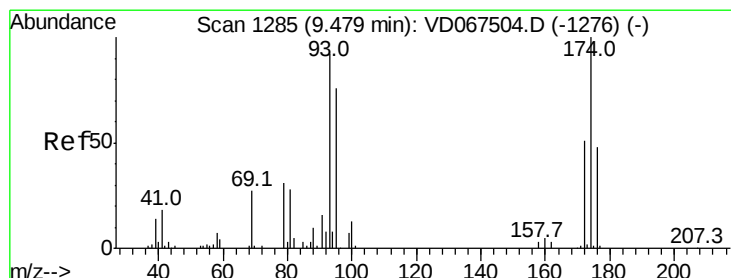
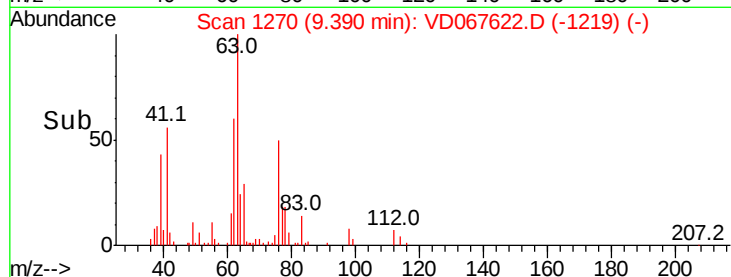
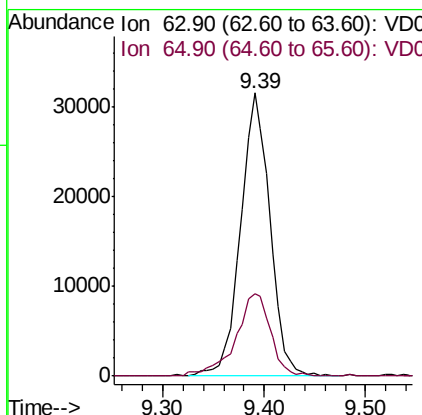
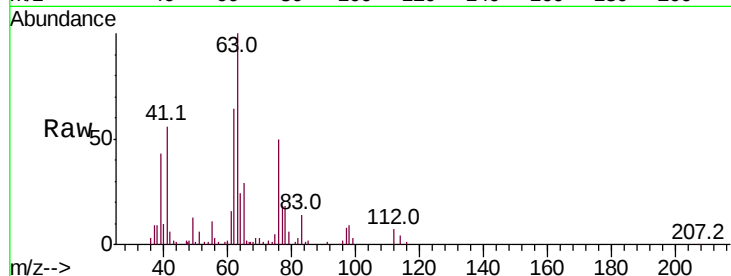




#45
 1,2-Dichloropropane
 Concen: 23.228 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

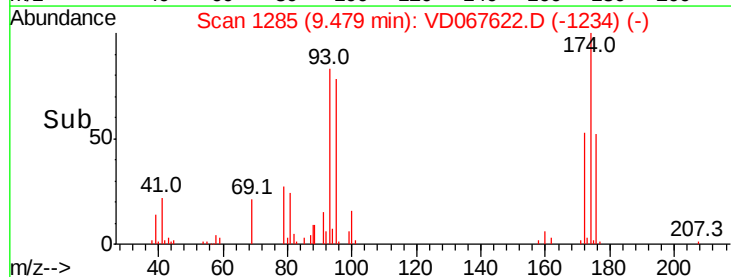
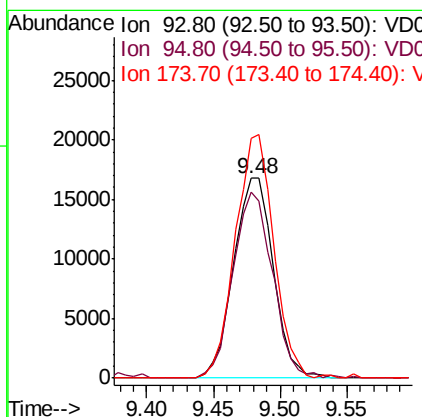
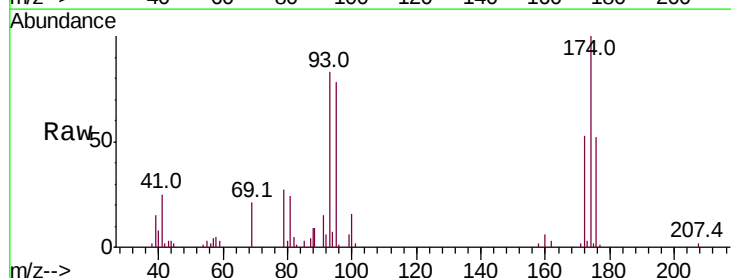
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

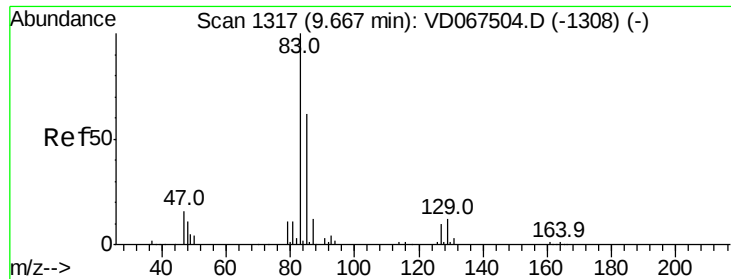
Tot Ion: 63 Resp: 63157
 Ion Ratio Lower Upper
 63 100
 65 29.1 26.9 40.3



#46
 Dibromomethane
 Concen: 20.096 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion: 93 Resp: 34742
 Ion Ratio Lower Upper
 93 100
 95 92.7 66.4 99.6
 174 116.9 88.2 132.4





#47

Bromodichloromethane

Concen: 21.029 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

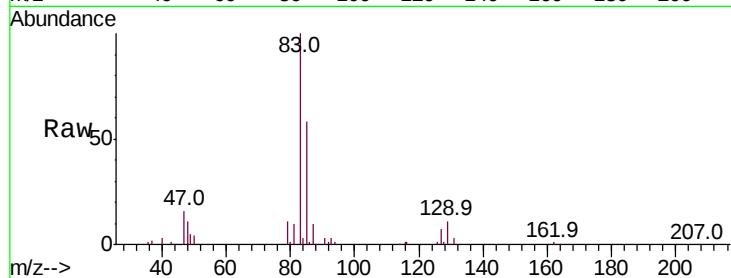
Tot Ion: 83 Resp: 98815

Ion Ratio Lower Upper

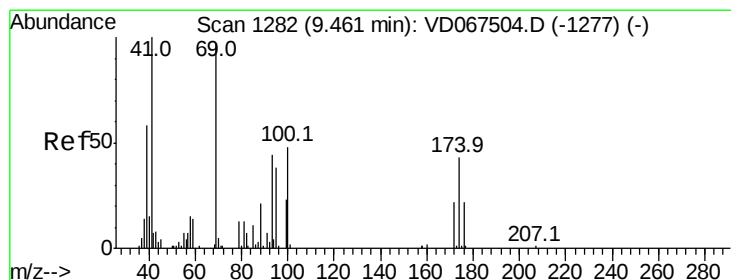
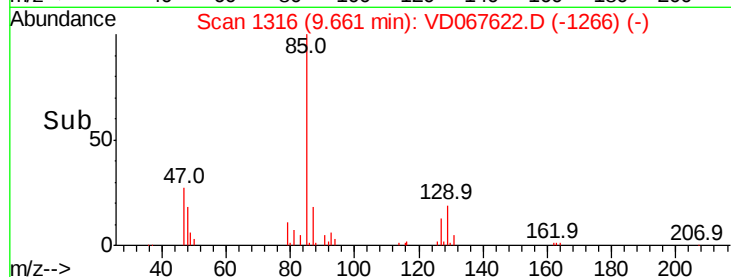
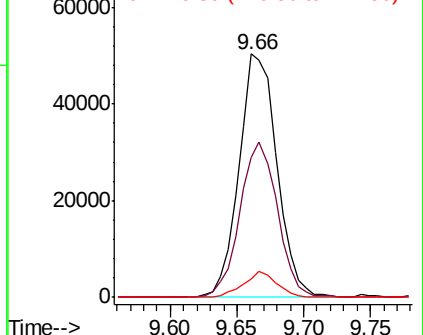
83 100

85 57.2 49.4 74.2

127 7.3 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: 23.230 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

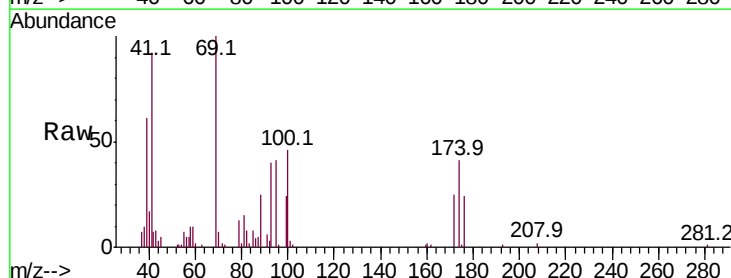
Tgt Ion: 41 Resp: 28591

Ion Ratio Lower Upper

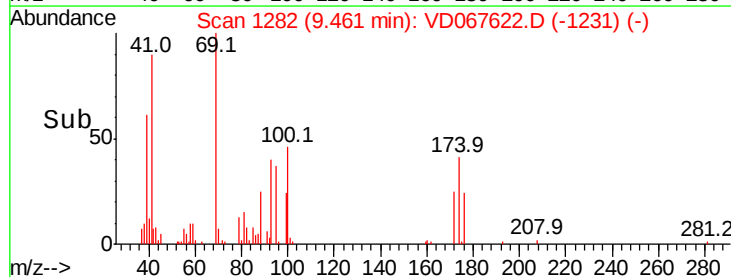
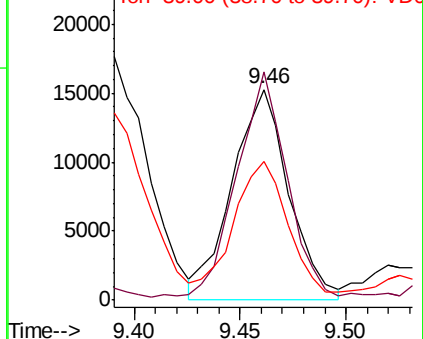
41 100

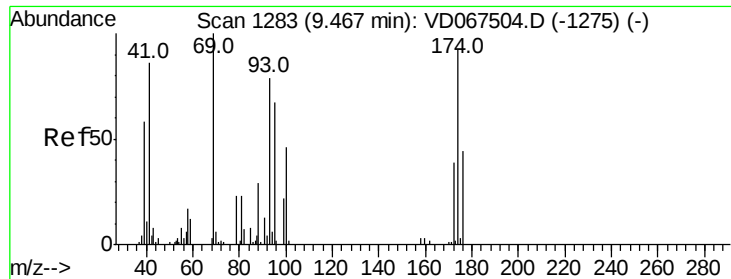
69 97.8 80.6 121.0

39 57.2 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: 491.782 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

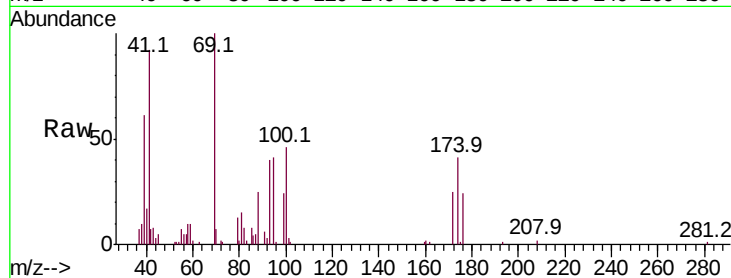
Tot Ion: 88 Resp: 8631

Ion Ratio Lower Upper

88 100

43 32.3 23.6 35.4

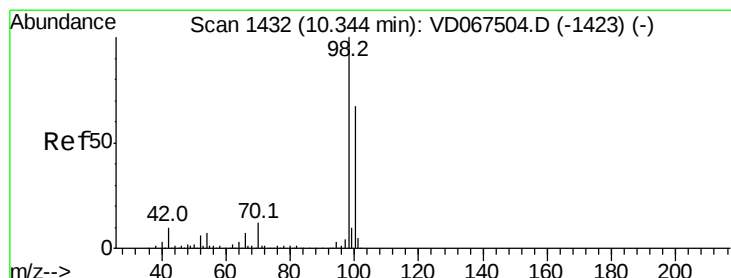
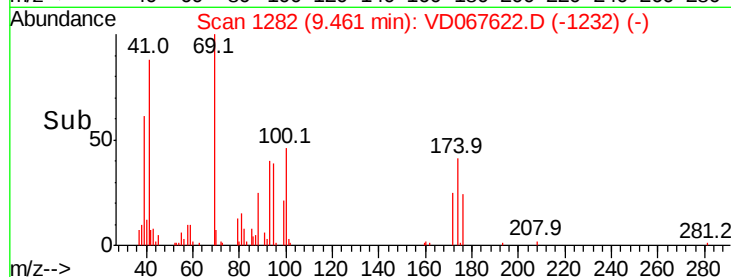
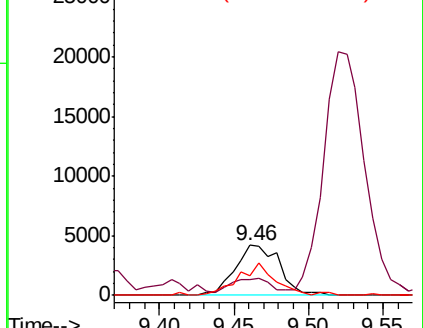
58 52.7 44.7 67.1



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: 45.963 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067622.D

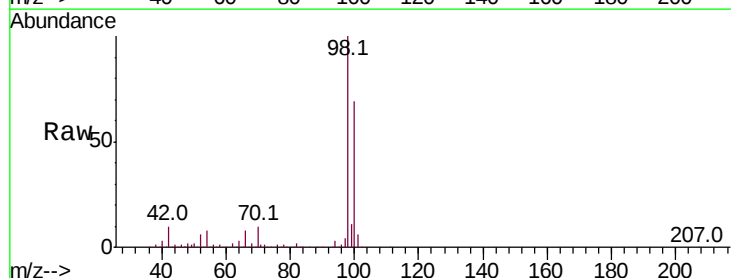
Acq: 12 Nov 2020 14:46

Tgt Ion: 98 Resp: 527830

Ion Ratio Lower Upper

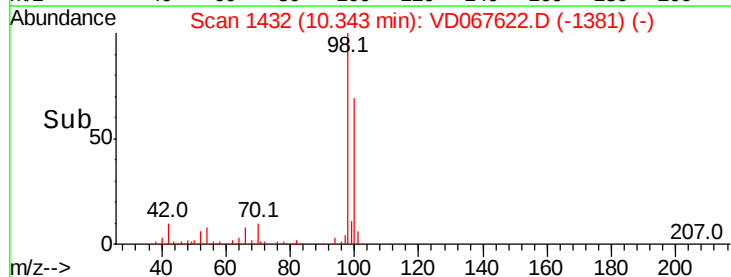
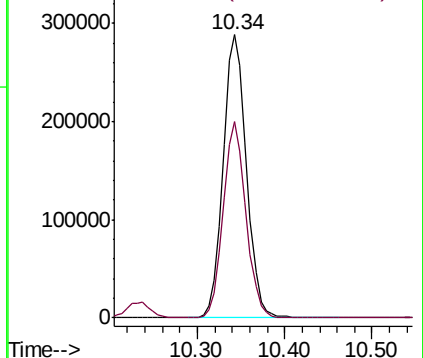
98 100

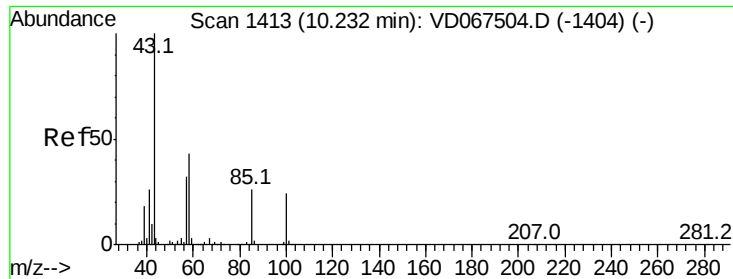
100 67.9 53.0 79.6



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: 118.505 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

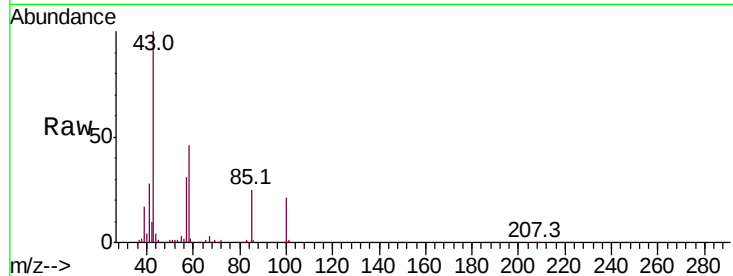
VD1112SBS02

Tot Ion: 43 Resp: 135101

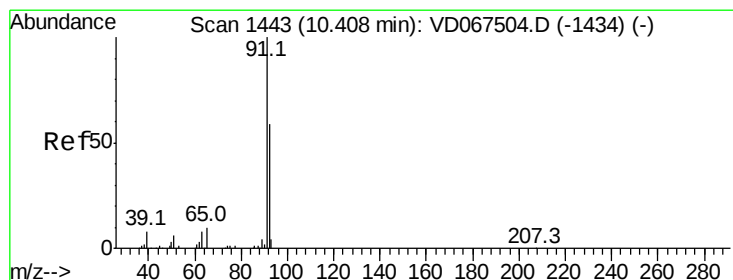
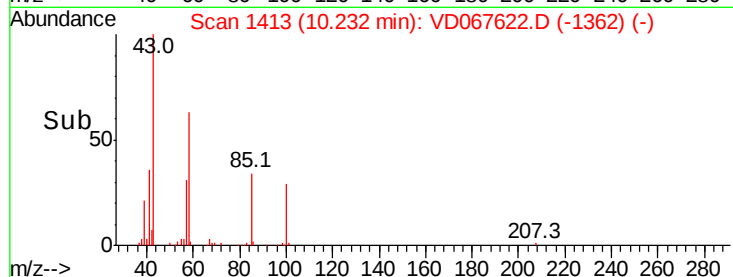
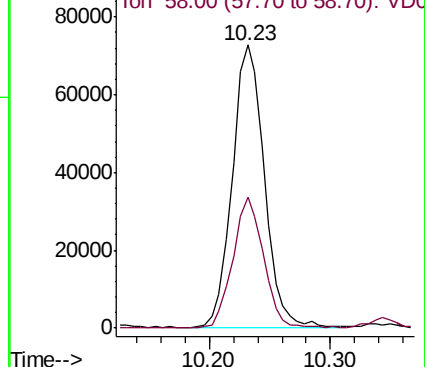
Ion Ratio Lower Upper

43 100

58 44.2 35.6 53.4



Abundance Ion 43.00 (42.70 to 43.70): VDC



#52

Toluene

Concen: 82.144 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067622.D

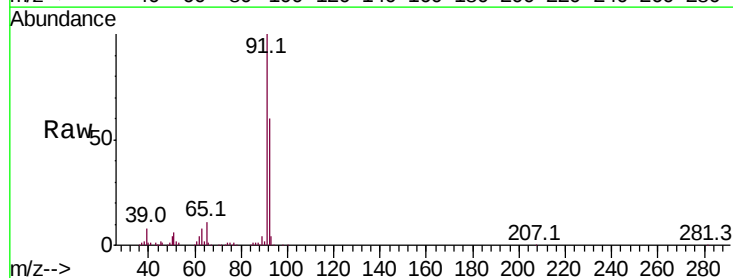
Acq: 12 Nov 2020 14:46

Tgt Ion: 92 Resp: 691927

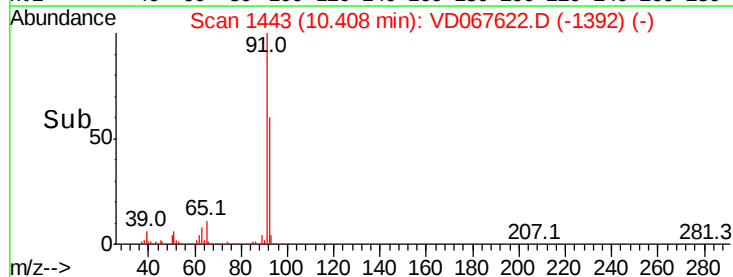
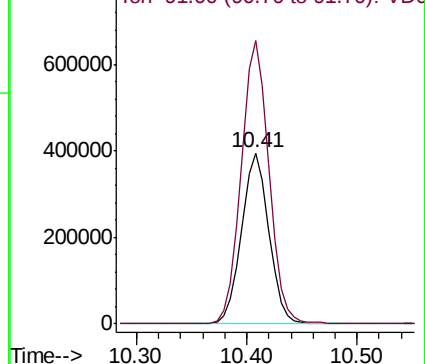
Ion Ratio Lower Upper

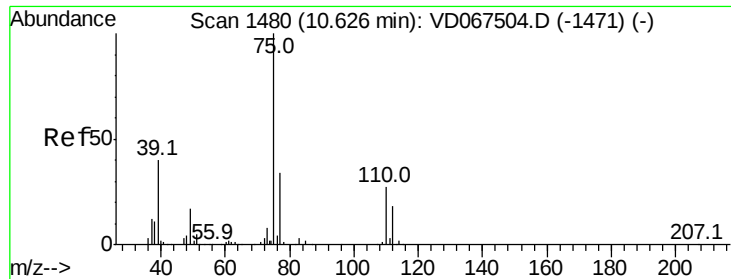
92 100

91 168.4 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

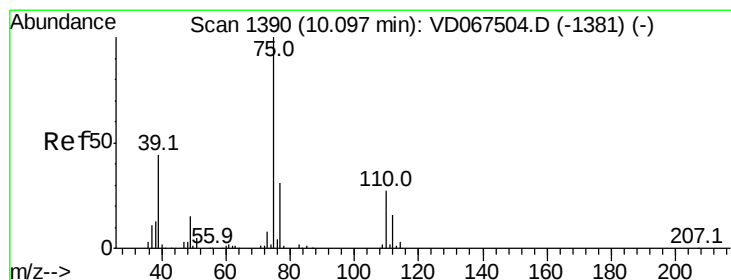
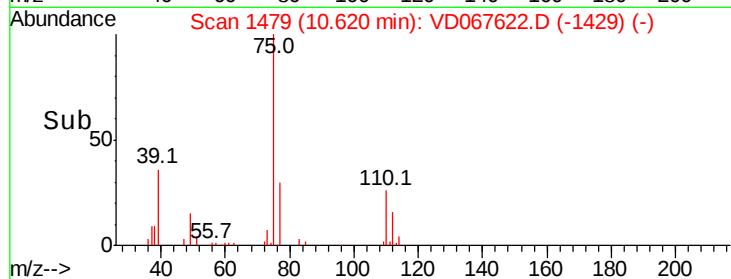
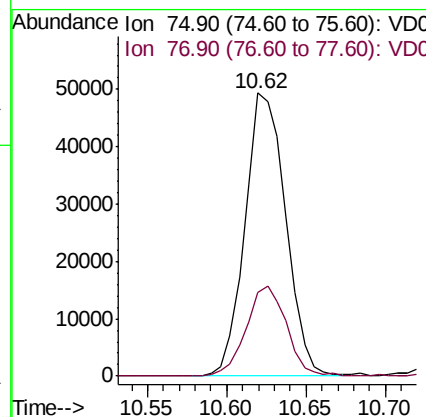
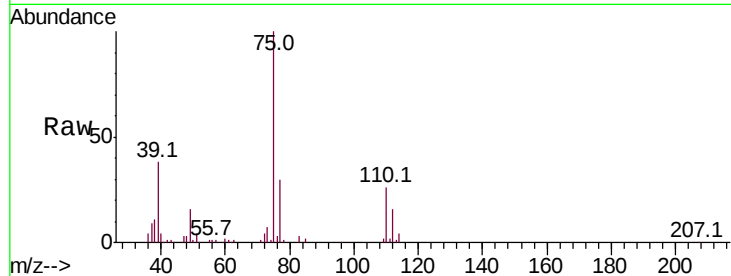




#53
t-1,3-Dichloropropene
Concen: 21.898 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

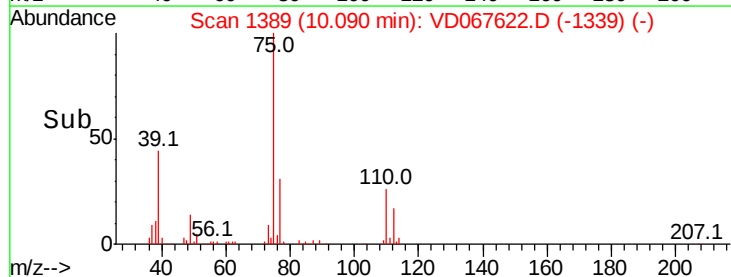
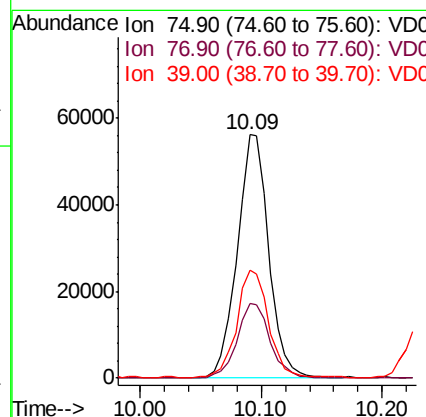
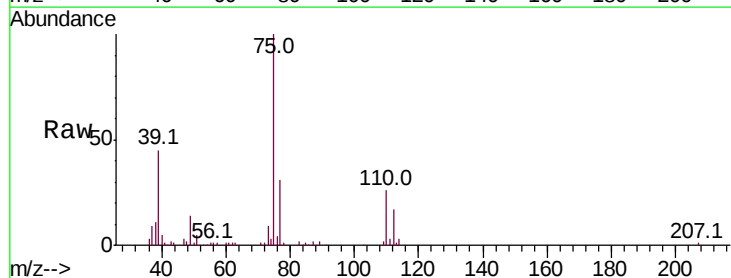
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

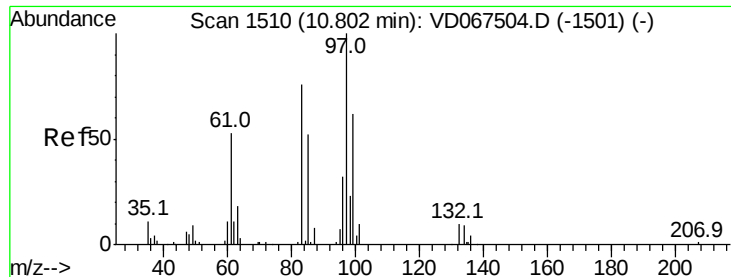
Tot Ion: 75 Resp: 88129
Ion Ratio Lower Upper
75 100
77 29.5 27.0 40.6



#54
cis-1,3-Dichloropropene
Concen: 21.356 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 75 Resp: 102115
Ion Ratio Lower Upper
75 100
77 30.6 24.4 36.6
39 44.1 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 22.011 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

Tot Ion: 97 Resp: 50348

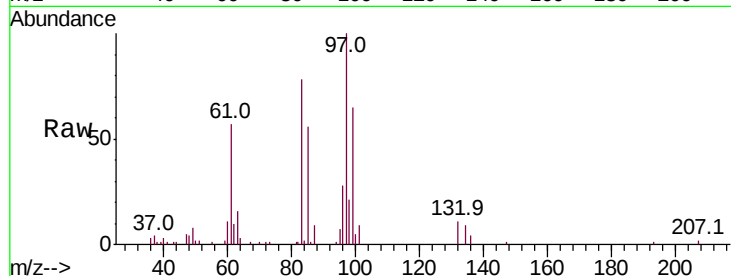
Ion Ratio Lower Upper

97 100

83 77.9 61.0 91.6

85 55.7 41.5 62.3

99 65.1 49.4 74.2

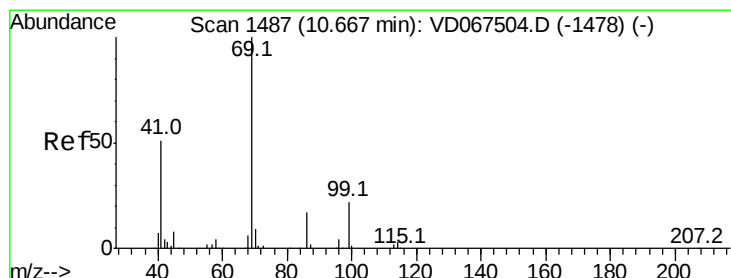
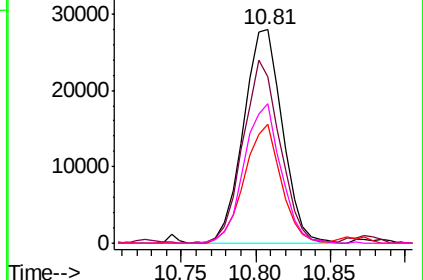
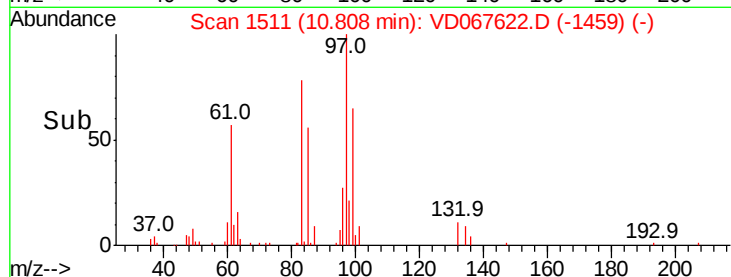


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 22.640 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

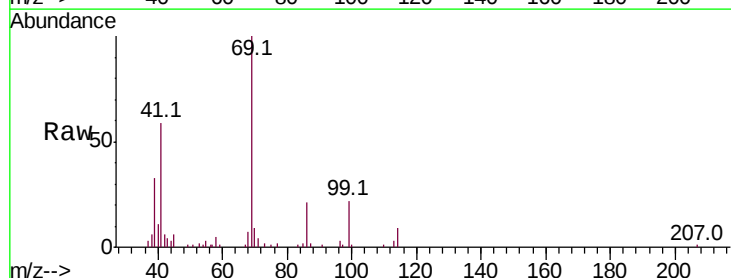
Tgt Ion: 69 Resp: 53478

Ion Ratio Lower Upper

69 100

41 56.7 45.4 68.0

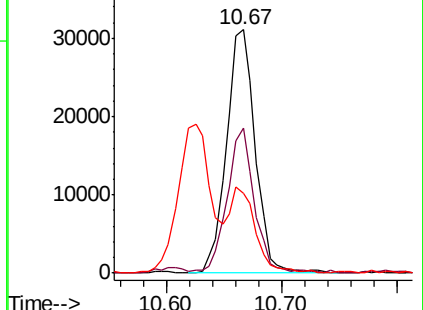
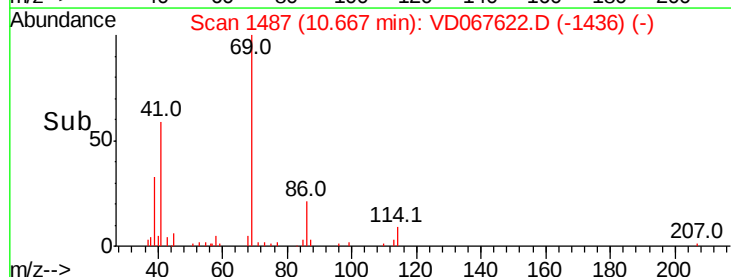
39 31.9 27.4 41.0

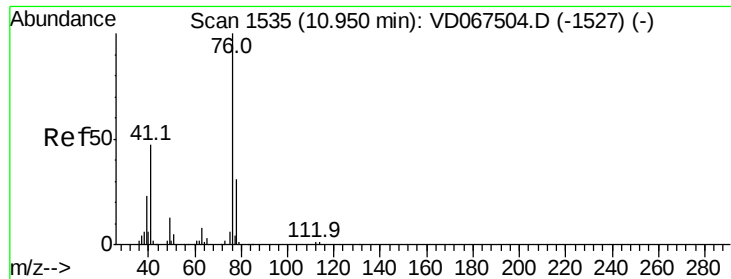


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 22.184 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

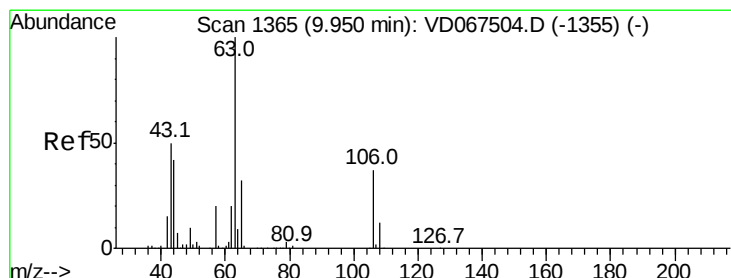
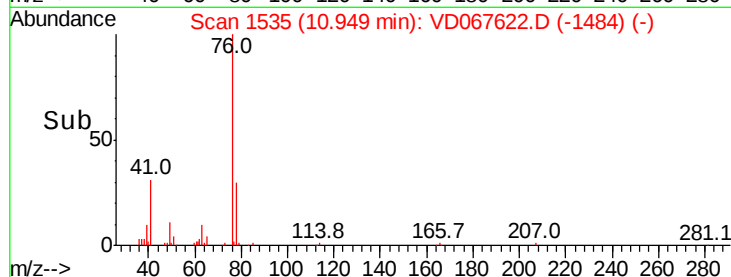
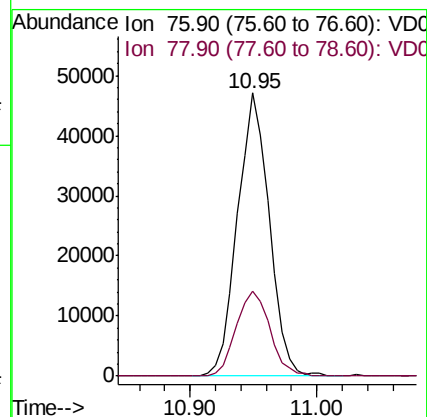
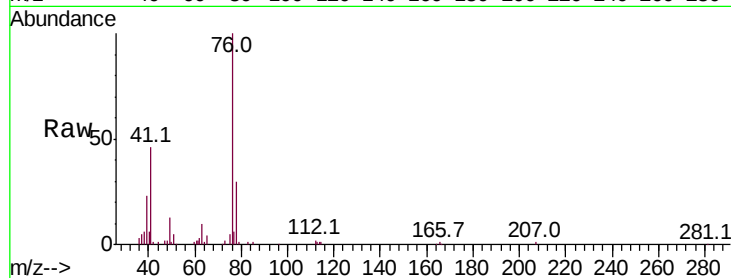
VD1112SBS02

Tot Ion: 76 Resp: 81657

Ion Ratio Lower Upper

76 100

78 32.1 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 111.891 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067622.D

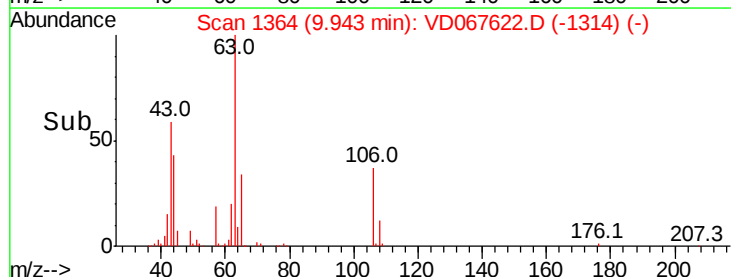
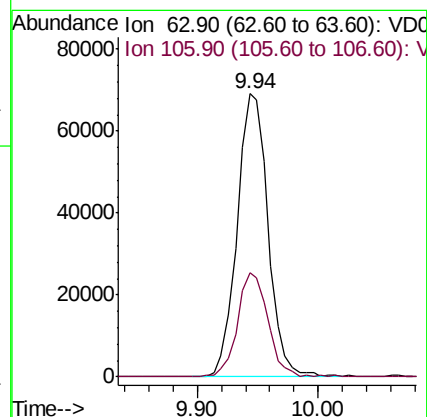
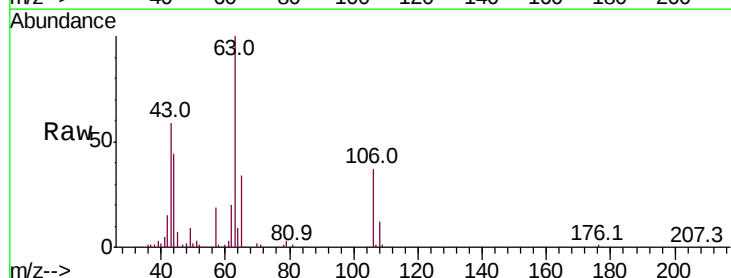
Acq: 12 Nov 2020 14:46

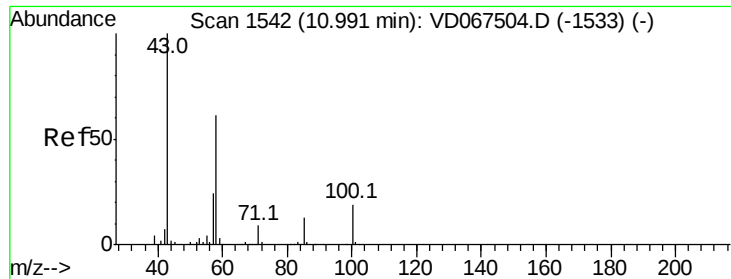
Tgt Ion: 63 Resp: 123253

Ion Ratio Lower Upper

63 100

106 36.4 29.2 43.8

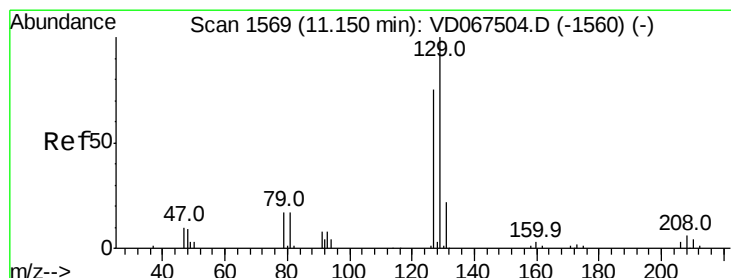
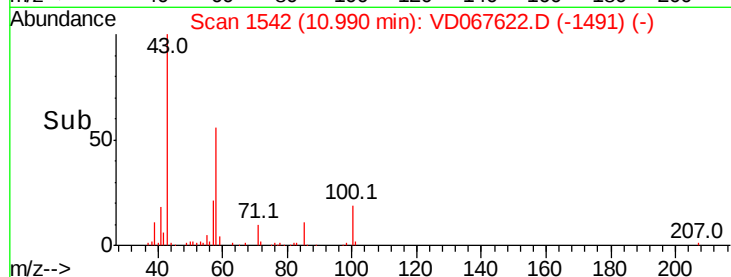
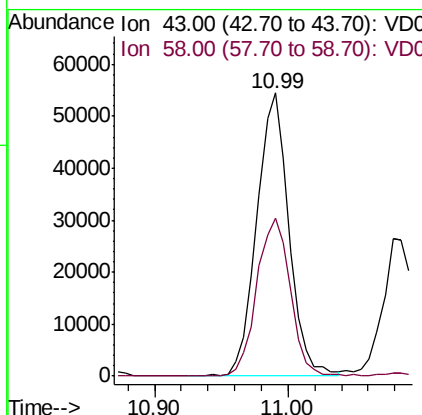
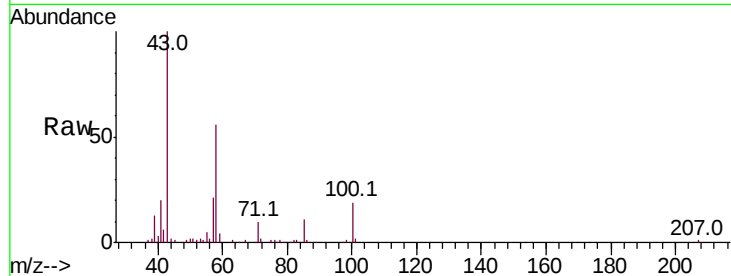




#59
2-Hexanone
Concen: 113.511 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

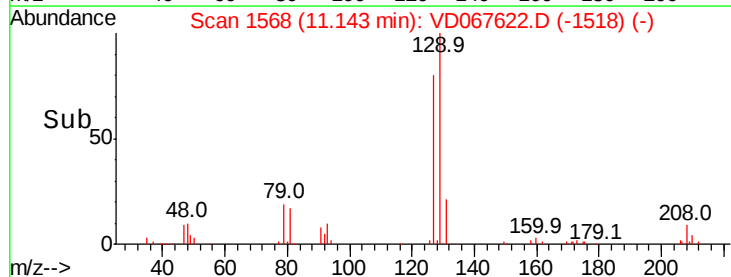
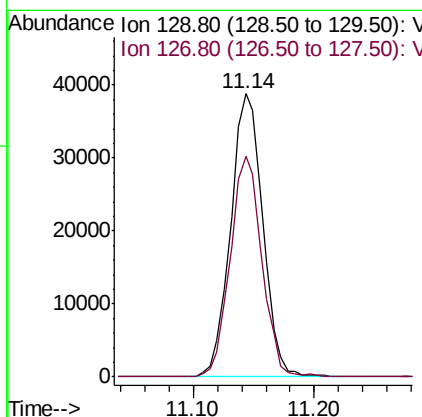
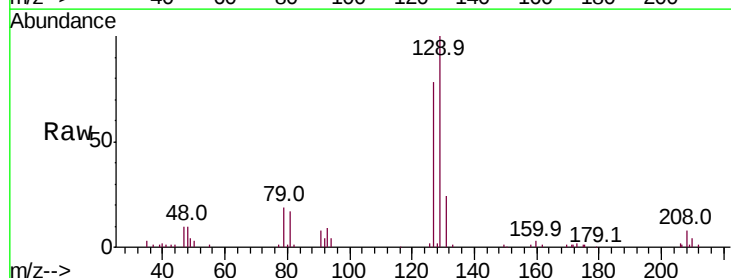
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

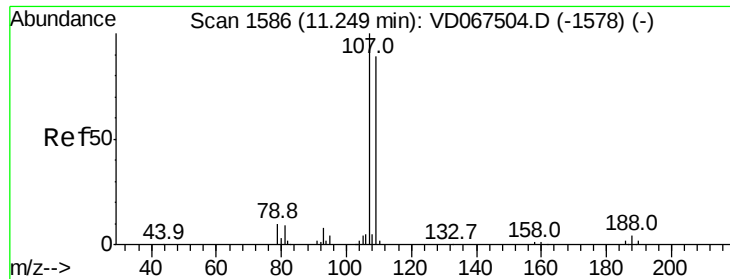
Tot Ion: 43 Resp: 90482
Ion Ratio Lower Upper
43 100
58 58.4 30.3 90.9



#60
Dibromochloromethane
Concen: 21.205 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion:129 Resp: 71751
Ion Ratio Lower Upper
129 100
127 77.0 38.0 114.1

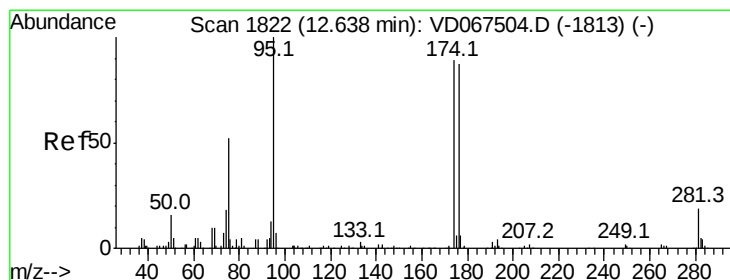
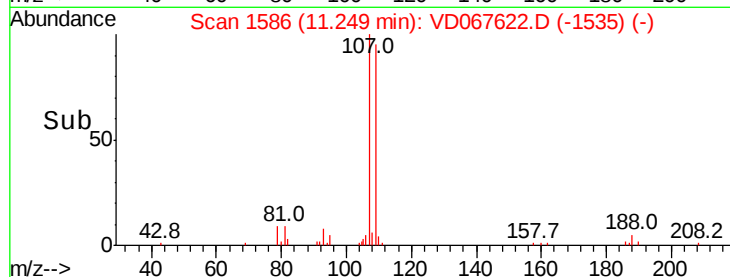
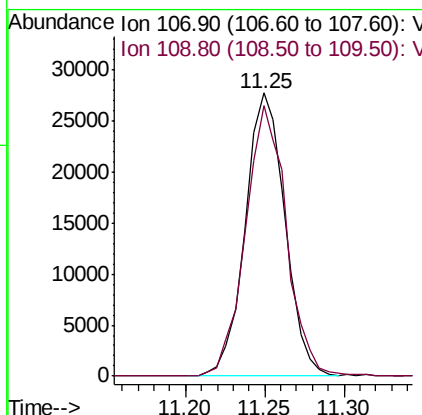
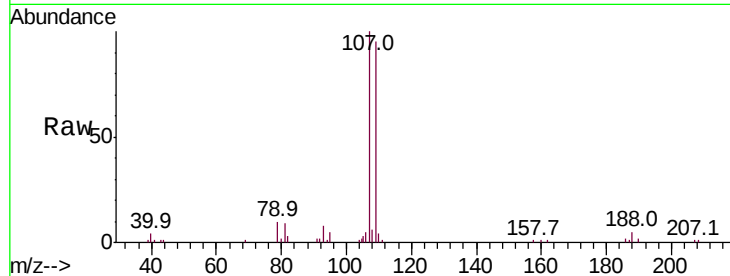




#61
 1,2-Dibromoethane
 Concen: 21.104 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

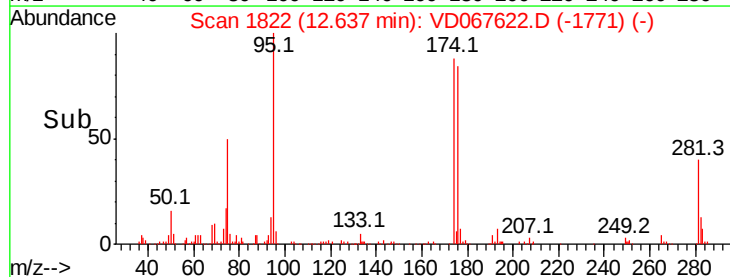
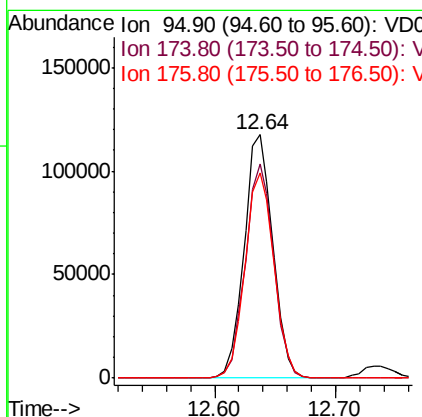
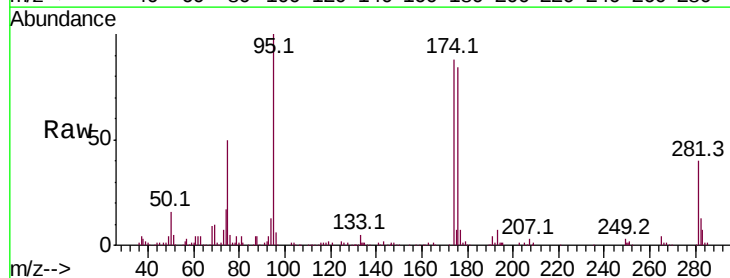
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

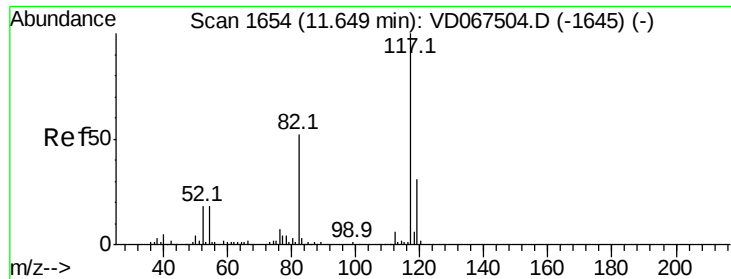
Tot Ion:107 Resp: 48450
 Ion Ratio Lower Upper
 107 100
 109 98.7 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 49.207 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion: 95 Resp: 195094
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 177.8
 176 85.2 0.0 172.0

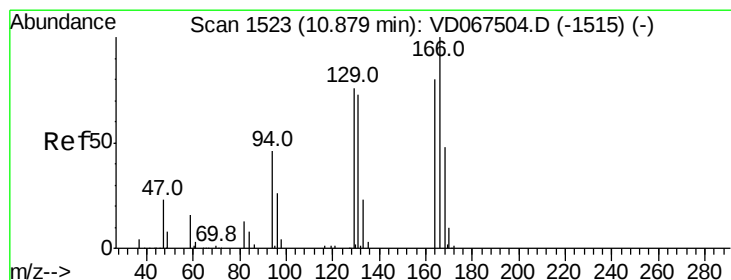
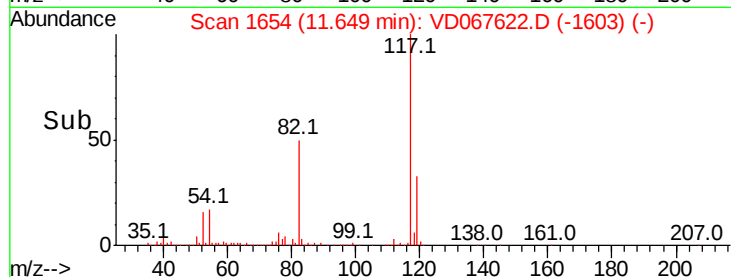
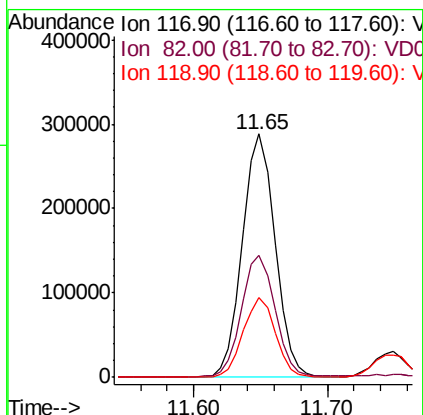
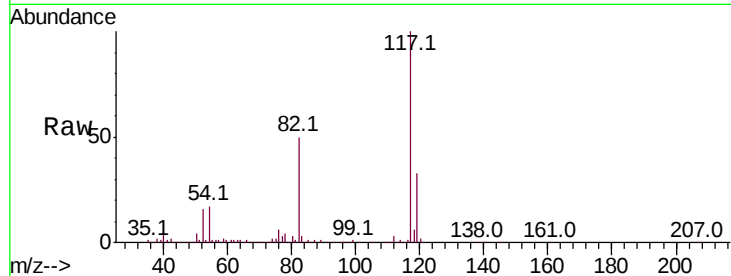




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

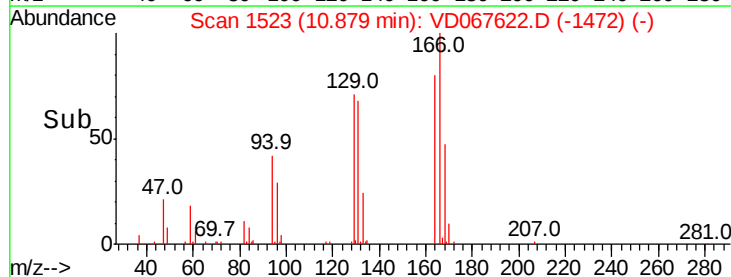
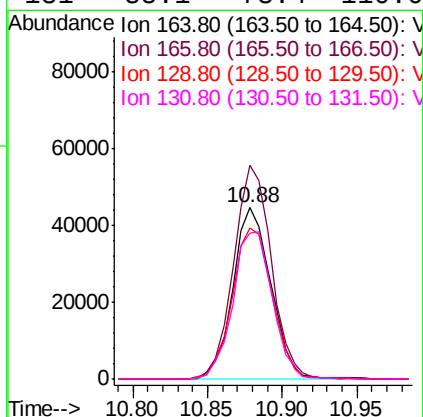
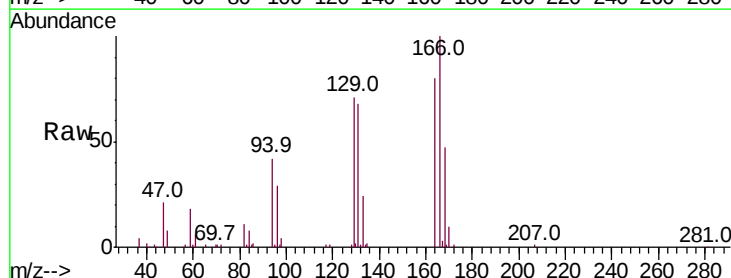
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

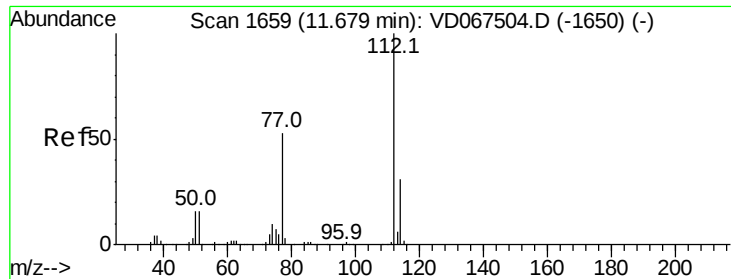
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	41.6	62.4
119	32.5	25.1	37.7



#64
Tetrachloroethene
Concen: 21.717 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	99.9	149.9
129	88.6	75.5	113.3
131	85.1	73.4	110.0





#65

Chlorobenzene

Concen: 21.583 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

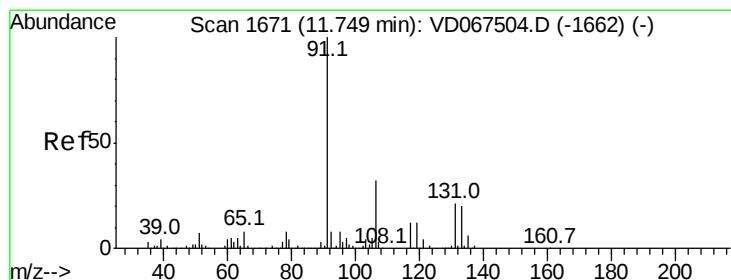
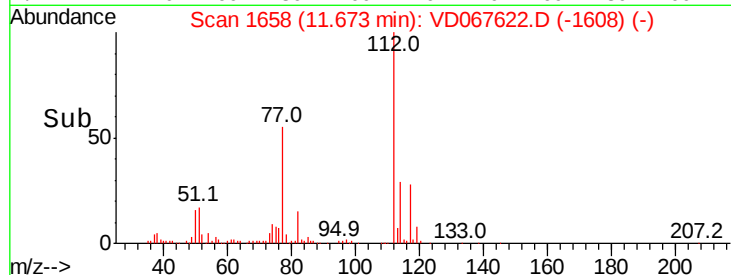
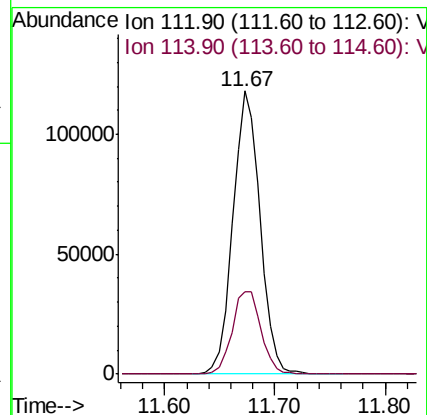
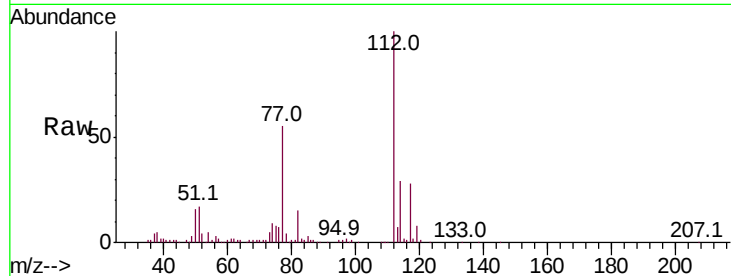
VD1112SBS02

Tot Ion:112 Resp: 203845

Ion Ratio Lower Upper

112 100

114 29.0 24.9 37.3



#66

1,1,1,2-Tetrachloroethane

Concen: 21.631 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

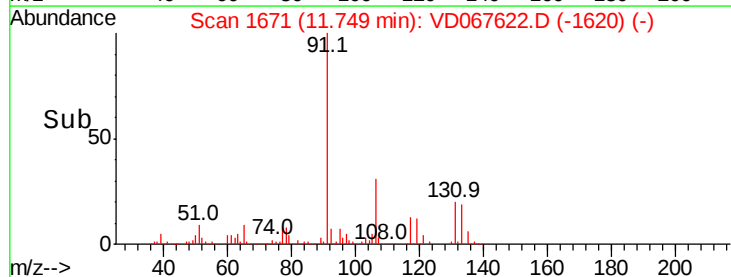
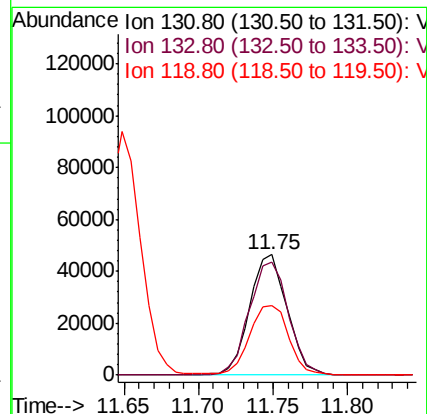
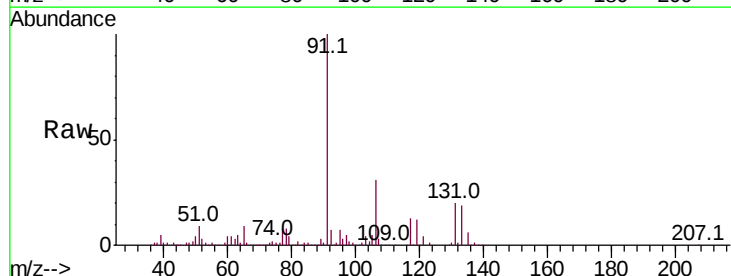
Tgt Ion:131 Resp: 80522

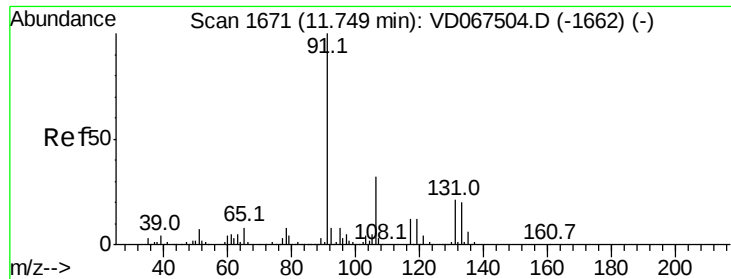
Ion Ratio Lower Upper

131 100

133 98.1 48.0 144.0

119 60.7 30.1 90.5





#67

Ethyl Benzene

Concen: 23.144 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

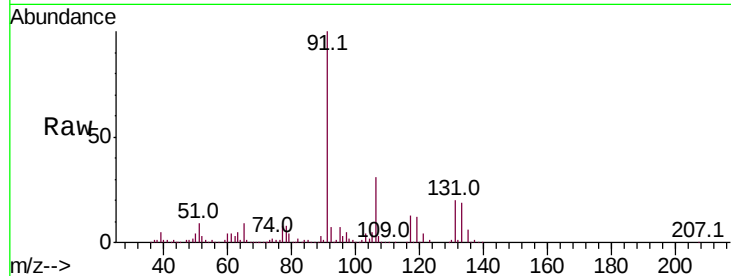
VD1112SBS02

Tot Ion: 91 Resp: 374047

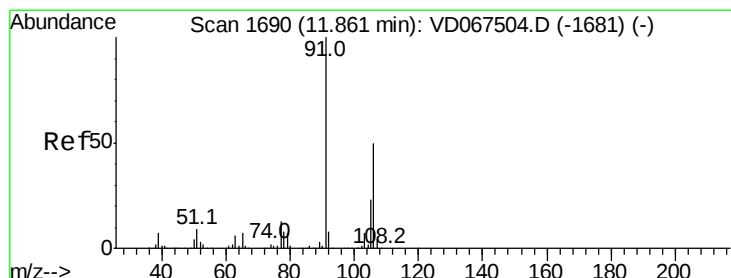
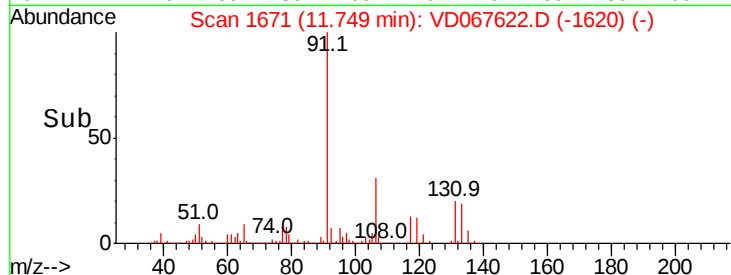
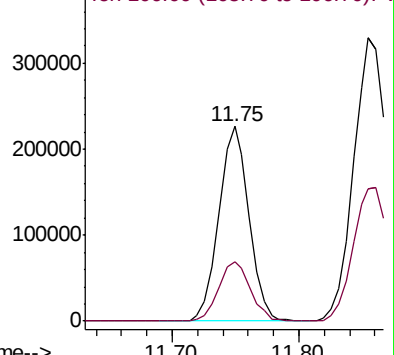
Ion Ratio Lower Upper

91 100

106 30.6 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 48.953 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067622.D

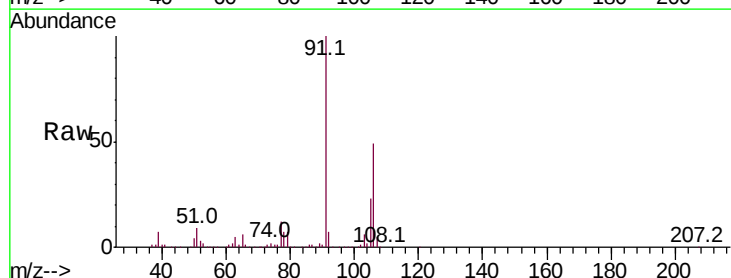
Acq: 12 Nov 2020 14:46

Tgt Ion: 106 Resp: 307796

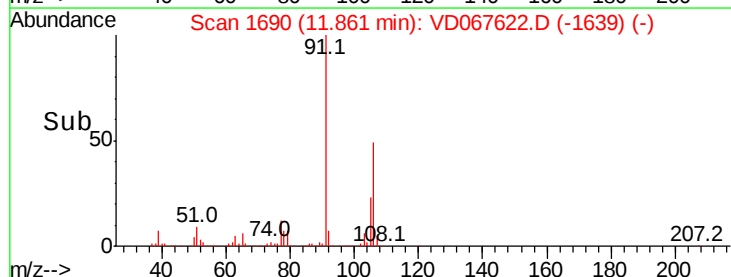
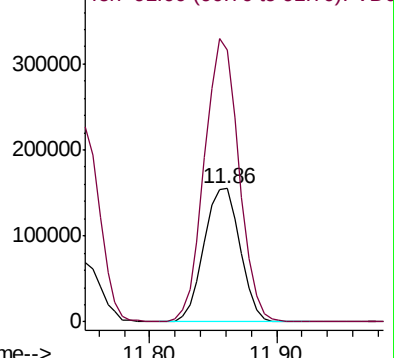
Ion Ratio Lower Upper

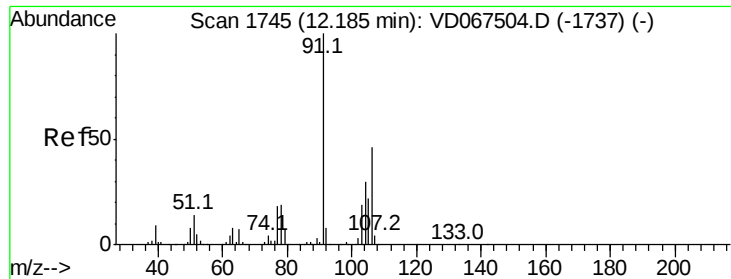
106 100

91 200.9 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): V

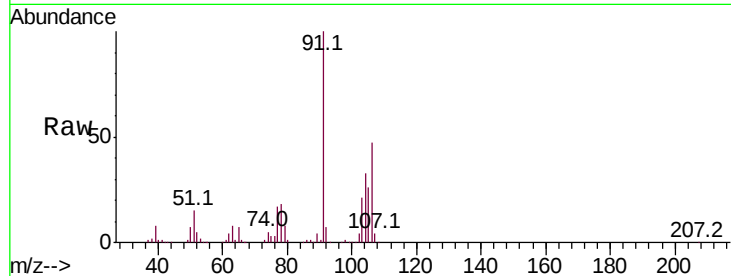




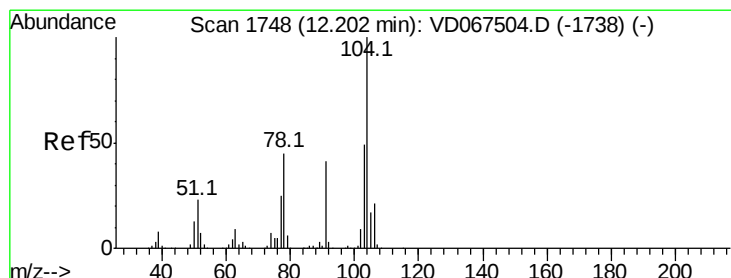
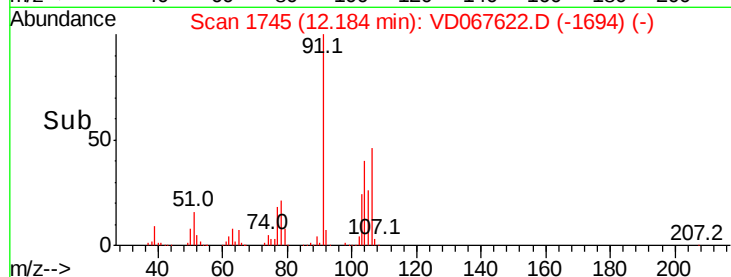
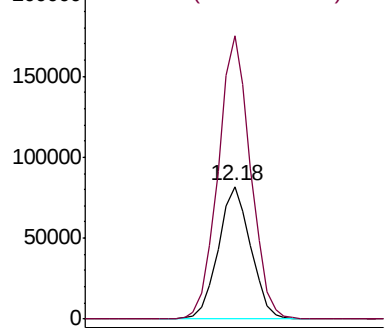
#69
o-Xylene
Concen: 23.490 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

Tot Ion:106 Resp: 131868
Ion Ratio Lower Upper
106 100
91 213.4 107.1 321.1

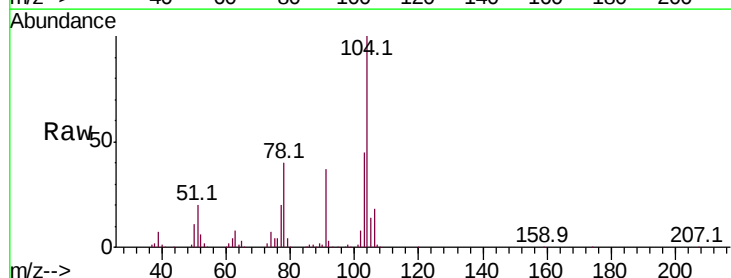


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

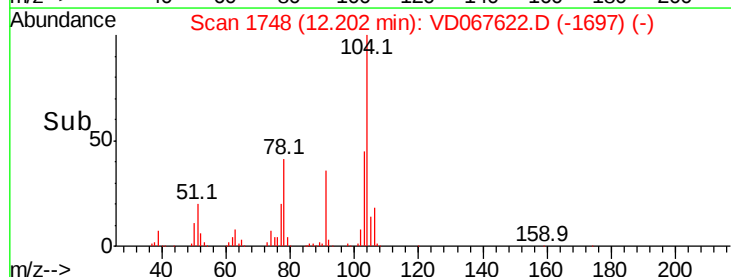
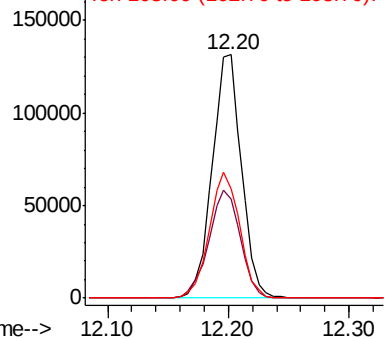


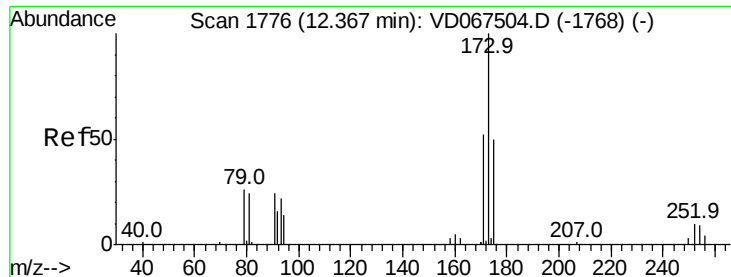
#70
Styrene
Concen: 22.769 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion:104 Resp: 222727
Ion Ratio Lower Upper
104 100
78 47.8 39.8 59.8
103 53.6 43.9 65.9



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





#71

Bromoform

Concen: 22.189 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

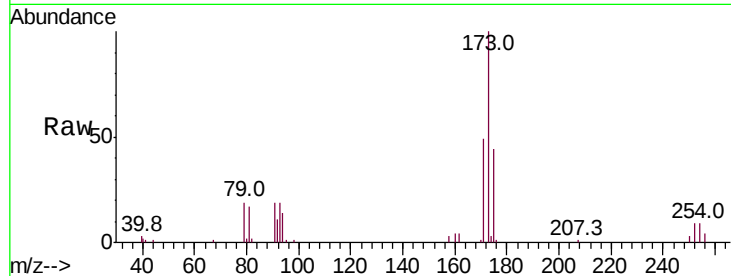
Tot Ion:173 Resp: 42126

Ion Ratio Lower Upper

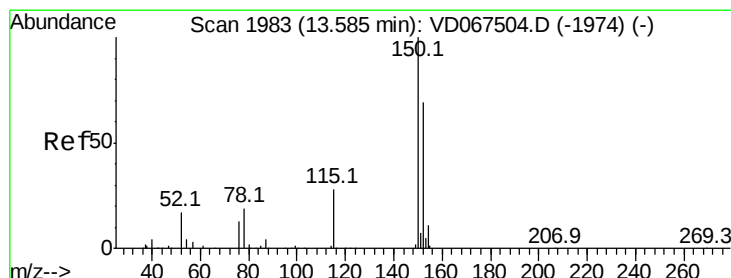
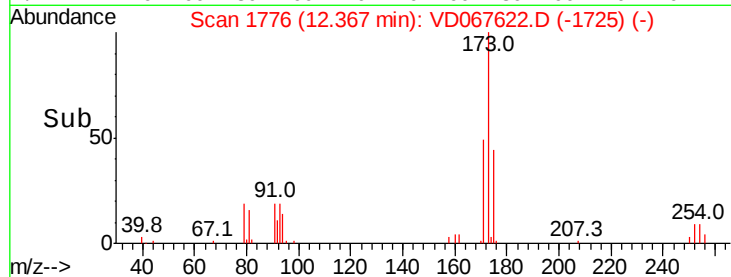
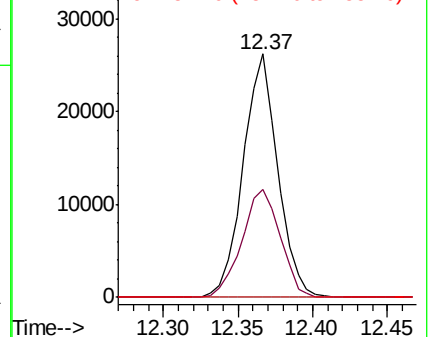
173 100

175 49.0 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: VD067622.D

Acq: 12 Nov 2020 14:46

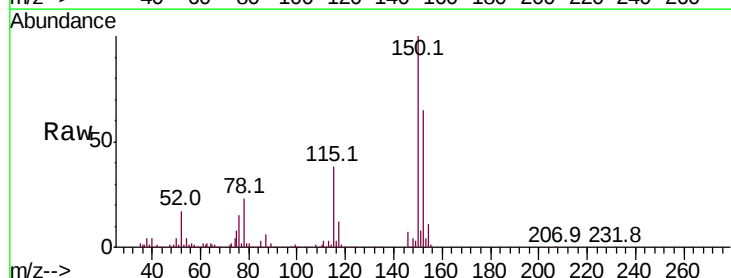
Tgt Ion:152 Resp: 242320

Ion Ratio Lower Upper

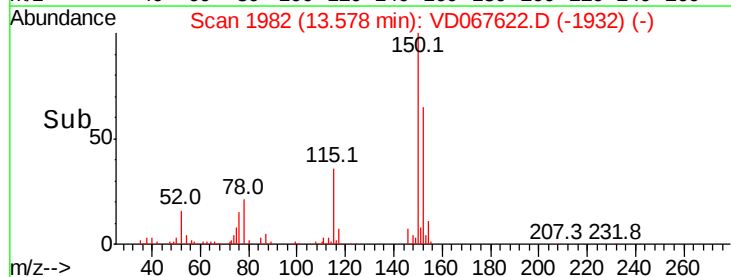
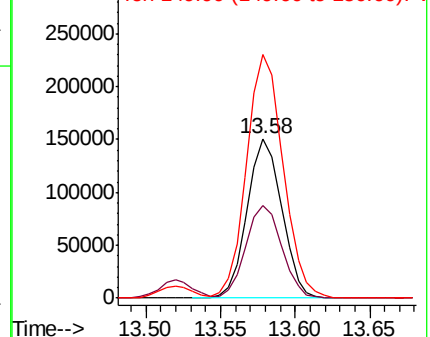
152 100

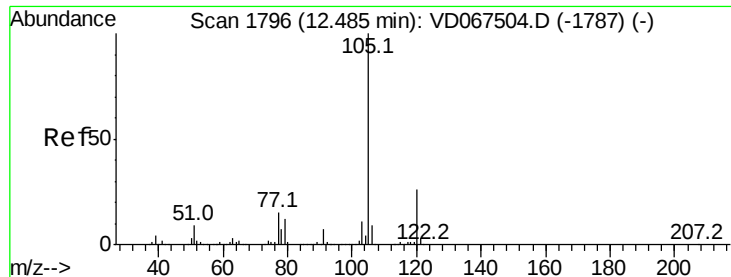
115 60.1 29.3 88.0

150 161.2 0.0 338.2



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





#73

Isopropylbenzene

Concen: 22.470 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

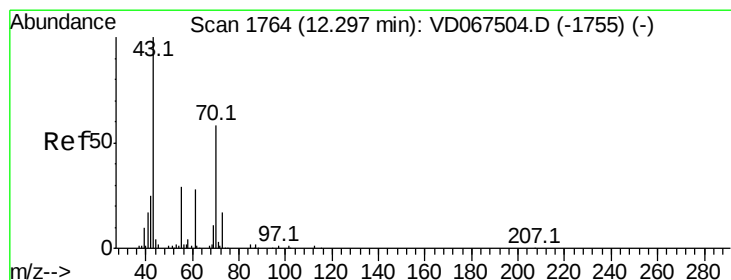
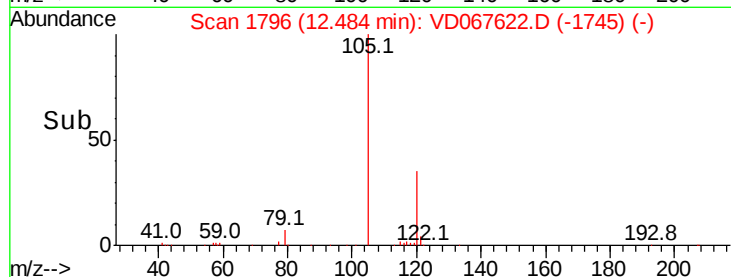
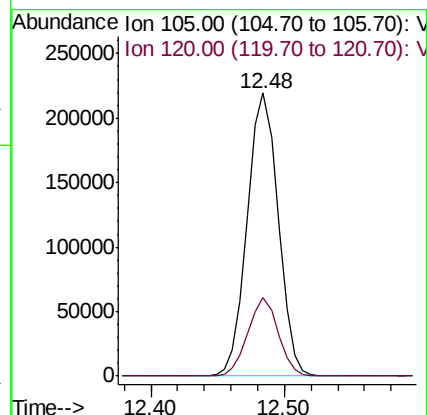
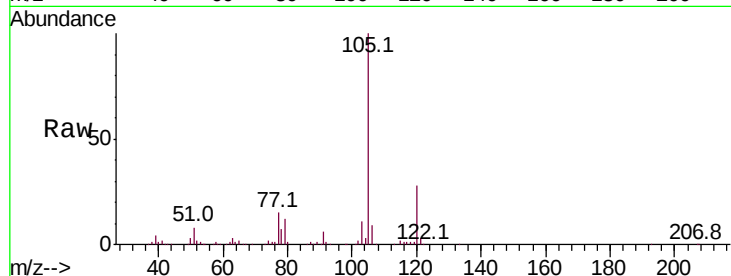
VD1112SBS02

Tot Ion:105 Resp: 351899

Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.6



#74

N-ethyl acetate

Concen: 23.691 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Tgt Ion: 43 Resp: 48821

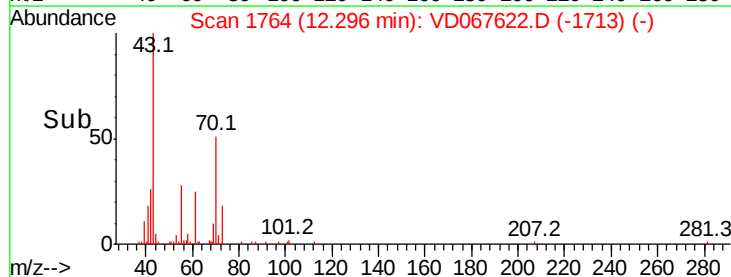
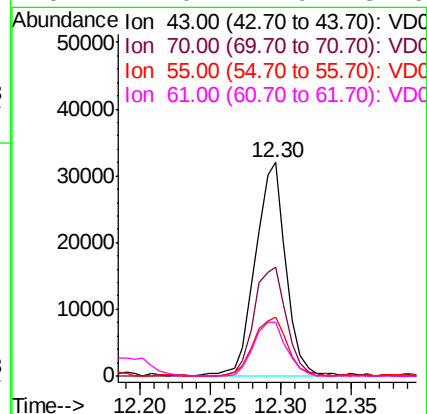
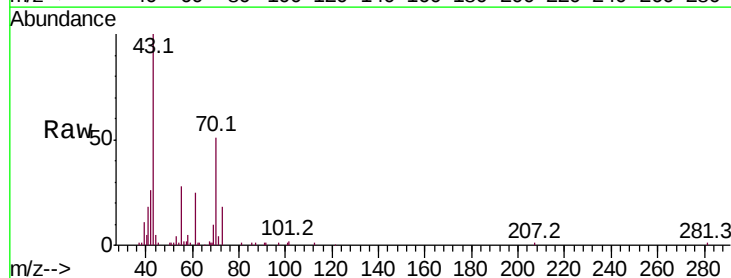
Ion Ratio Lower Upper

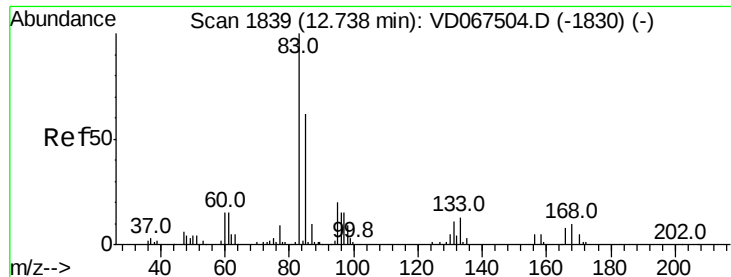
43 100

70 53.8 42.6 64.0

55 30.4 23.7 35.5

61 27.0 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.782 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

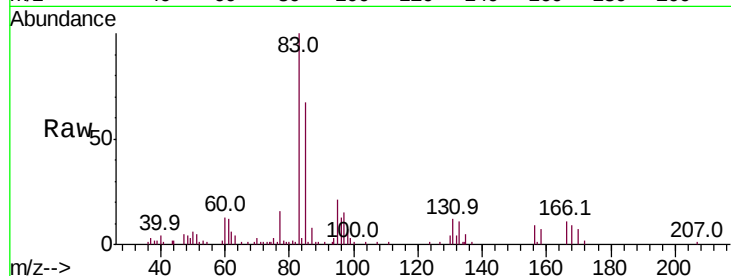
Tot Ion: 83 Resp: 48652

Ion Ratio Lower Upper

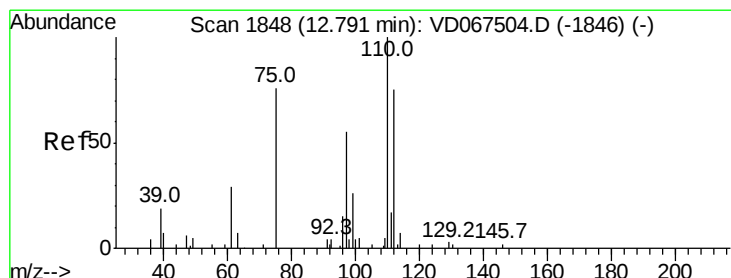
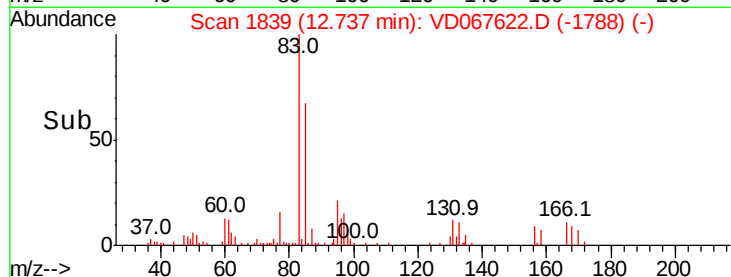
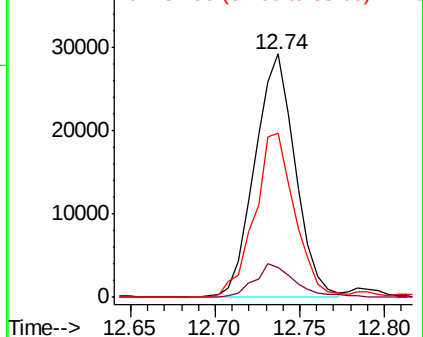
83 100

131 13.9 7.1 21.3

85 67.6 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 45.667 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD067622.D

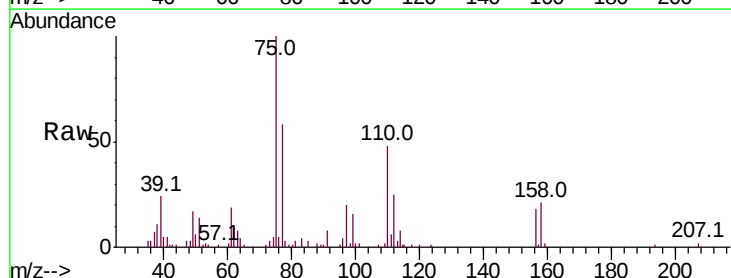
Acq: 12 Nov 2020 14:46

Tgt Ion: 75 Resp: 66756

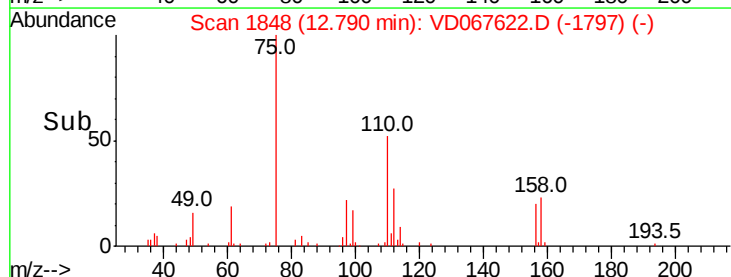
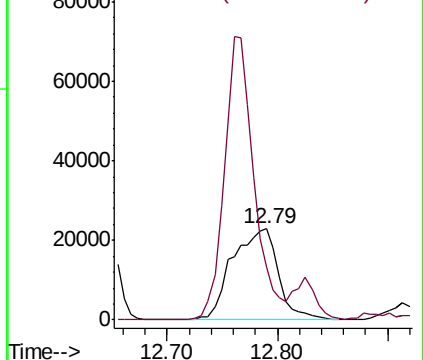
Ion Ratio Lower Upper

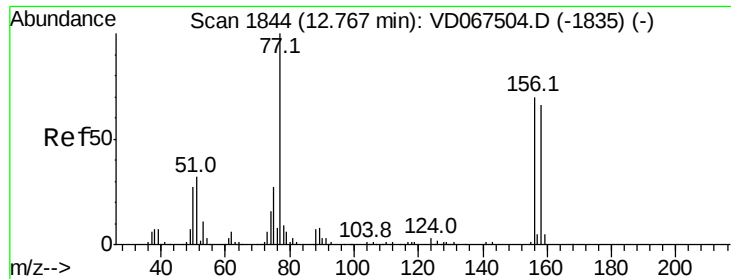
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.029 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

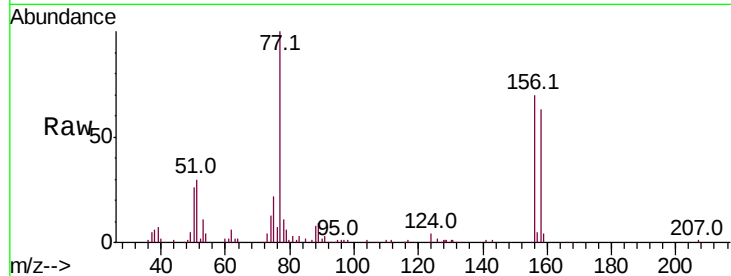
Tot Ion:156 Resp: 84726

Ion Ratio Lower Upper

156 100

77 158.5 77.8 233.5

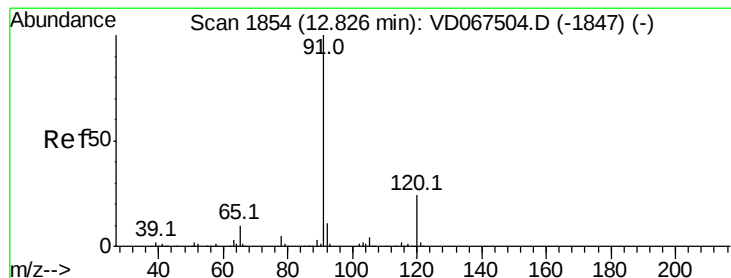
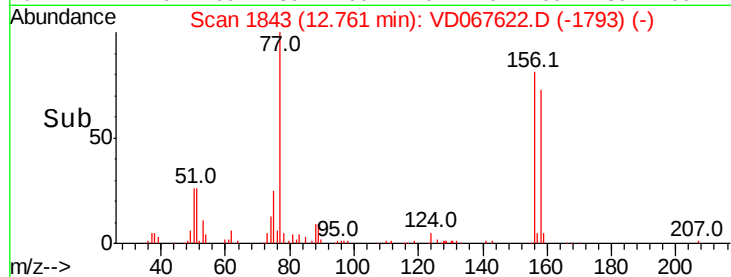
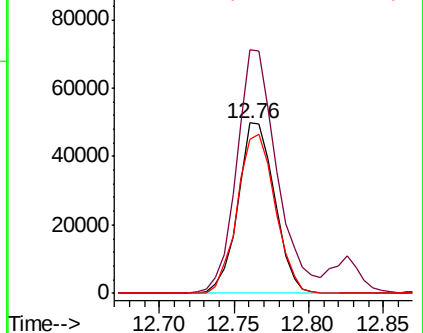
158 96.7 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.649 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067622.D

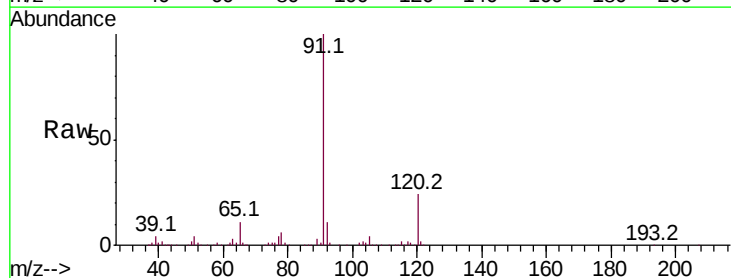
Acq: 12 Nov 2020 14:46

Tgt Ion: 91 Resp: 405716

Ion Ratio Lower Upper

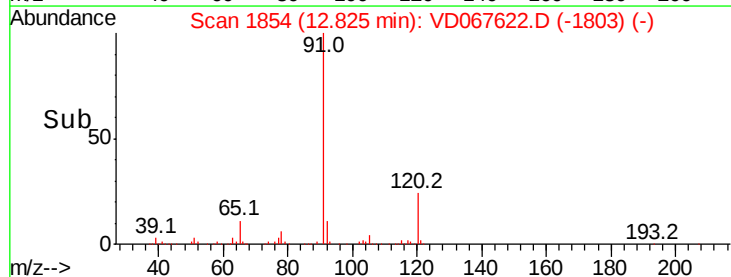
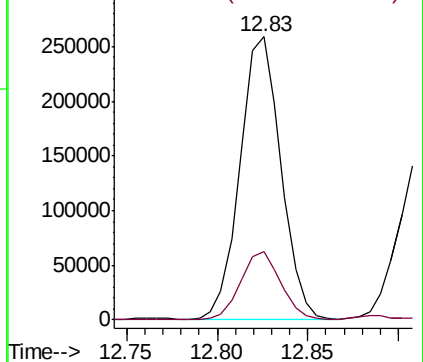
91 100

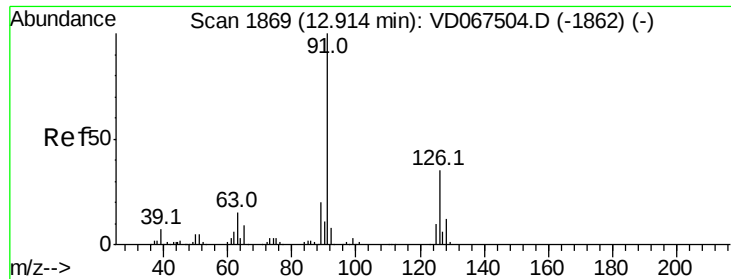
120 23.8 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

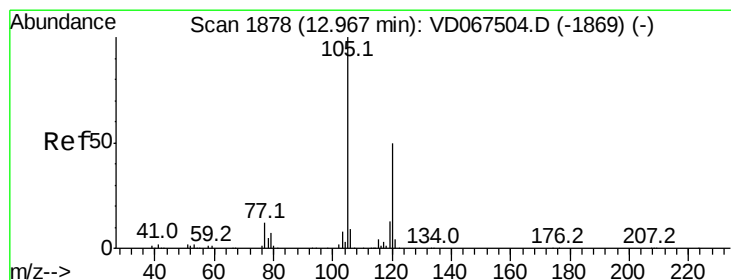
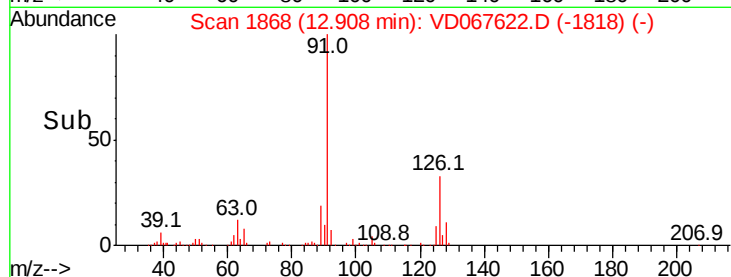
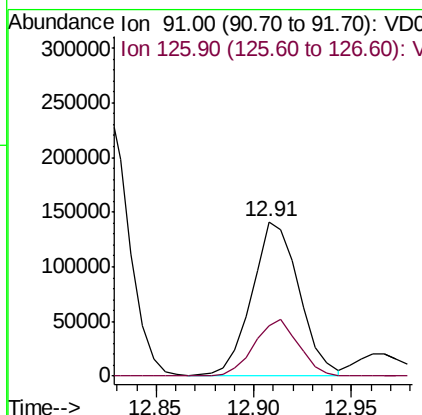
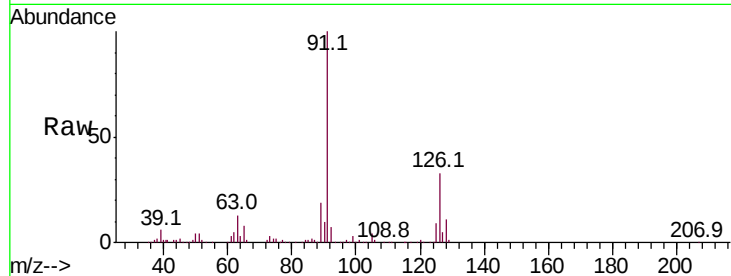




#79
 2-Chlorotoluene
 Concen: 23.233 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

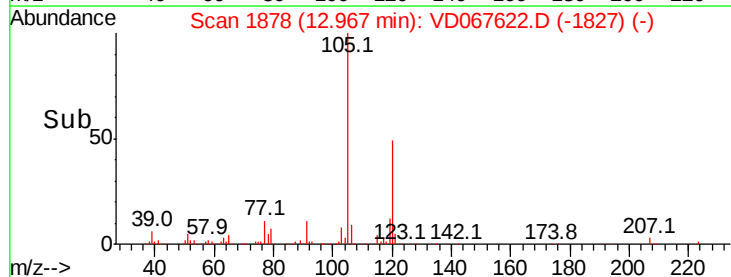
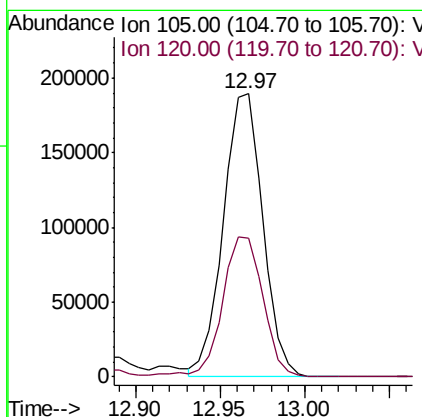
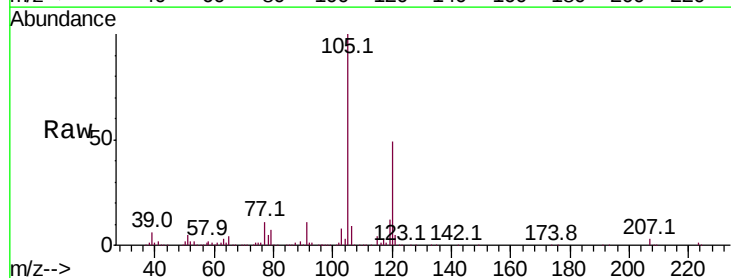
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

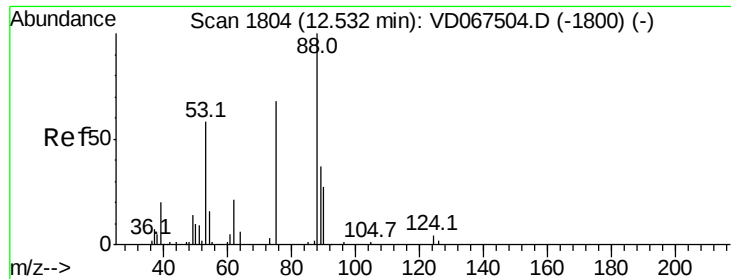
Tot Ion: 91 Resp: 236405
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 23.000 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion: 105 Resp: 307698
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.3 72.8

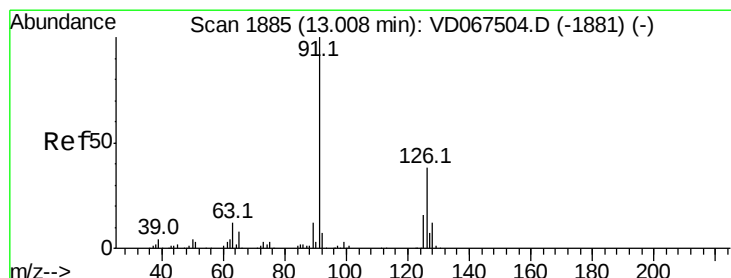
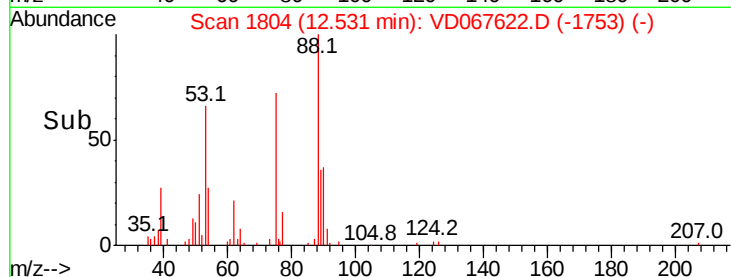
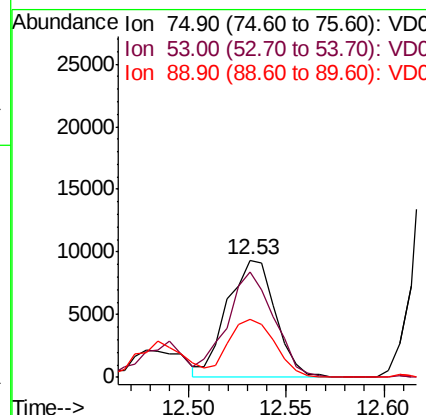
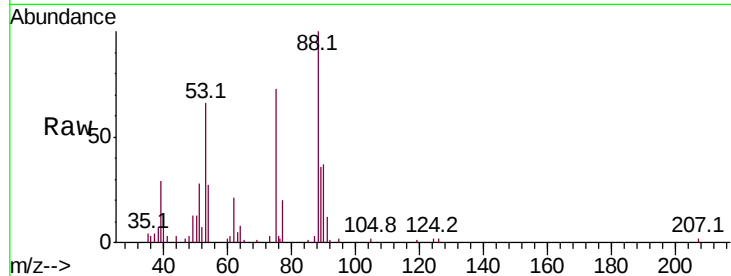




#81
trans-1,4-Dichloro-2-butene
Concen: 22.326 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

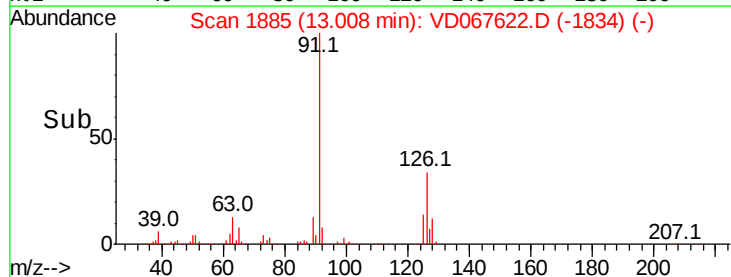
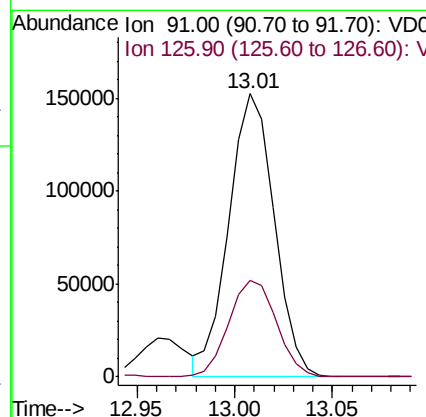
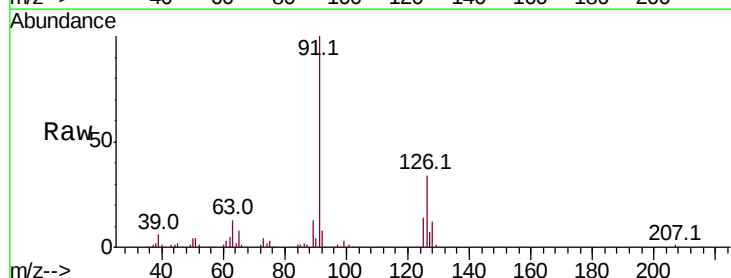
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

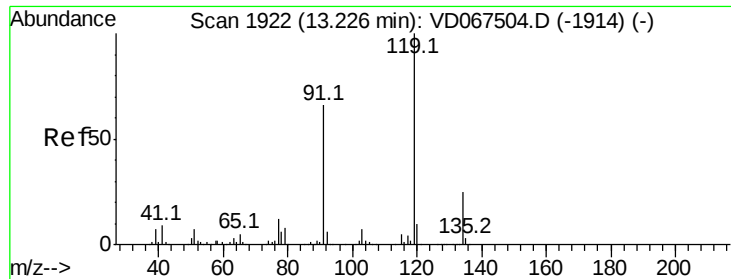
Tot Ion: 75 Resp: 16075
Ion Ratio Lower Upper
75 100
53 88.4 75.9 113.9
89 48.2 44.6 67.0



#82
4-Chlorotoluene
Concen: 22.595 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 91 Resp: 246591
Ion Ratio Lower Upper
91 100
126 35.9 17.9 53.7

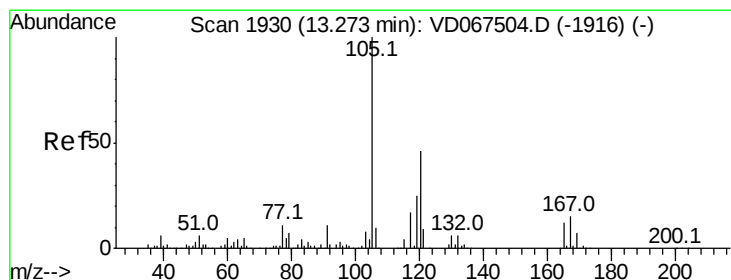
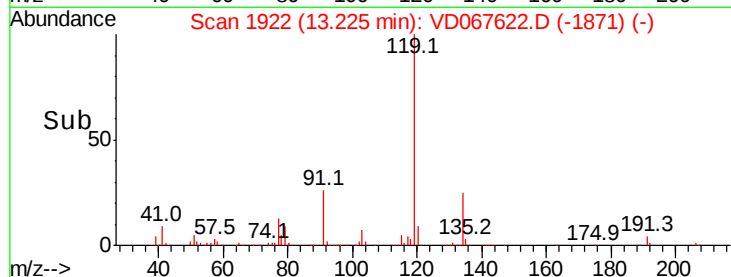
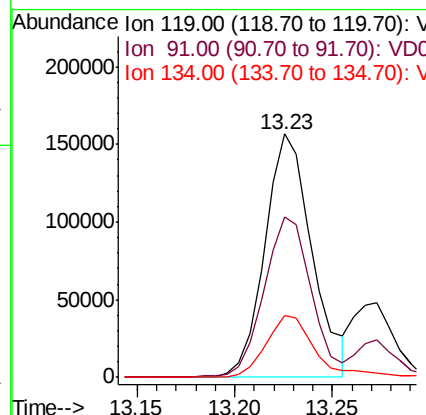
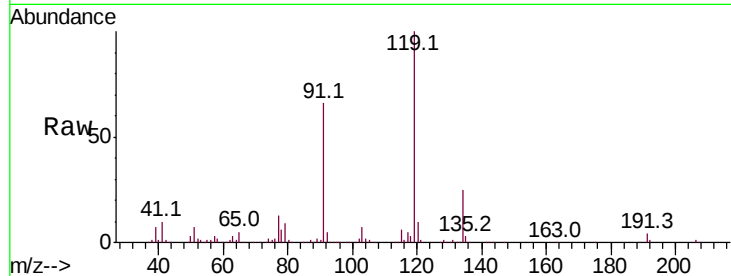




#83
tert-Butylbenzene
Concen: 23.145 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

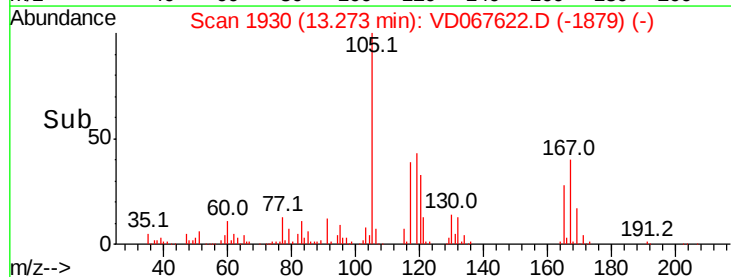
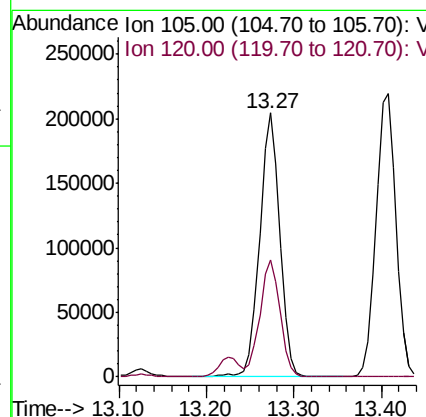
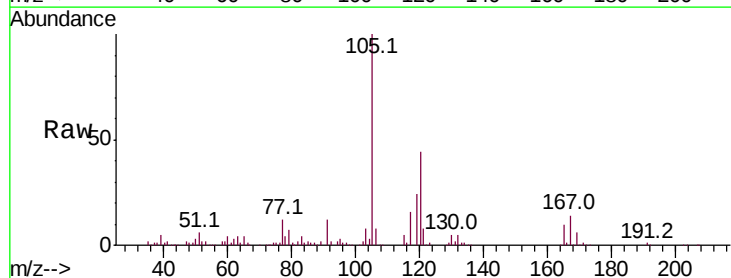
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

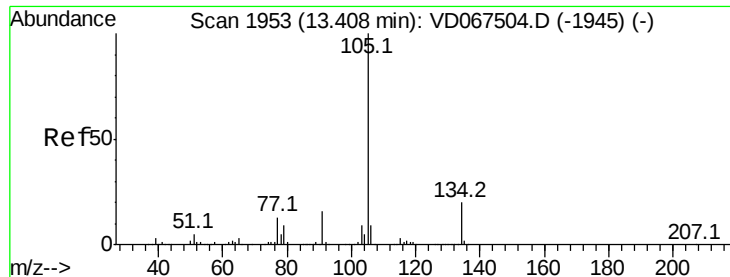
Tot Ion:119 Resp: 262415
Ion Ratio Lower Upper
119 100
91 65.7 32.7 98.1
134 26.6 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 24.082 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion:105 Resp: 320693
Ion Ratio Lower Upper
105 100
120 44.5 22.1 66.1





#85

sec-Butylbenzene

Concen: 22.795 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

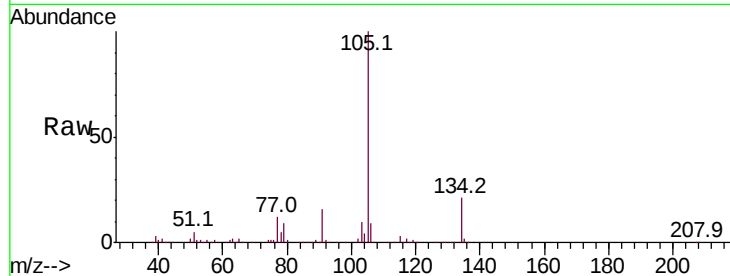
VD1112SBS02

Tot Ion:105 Resp: 348897

Ion Ratio Lower Upper

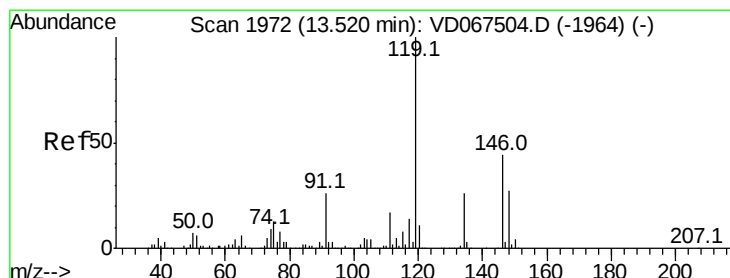
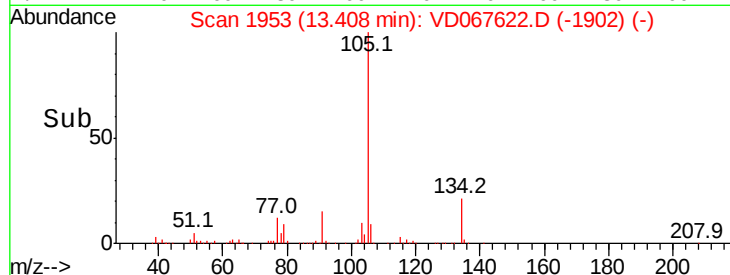
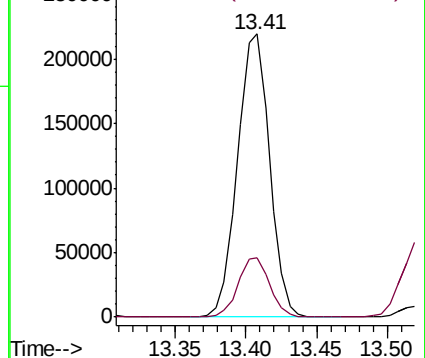
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.123 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

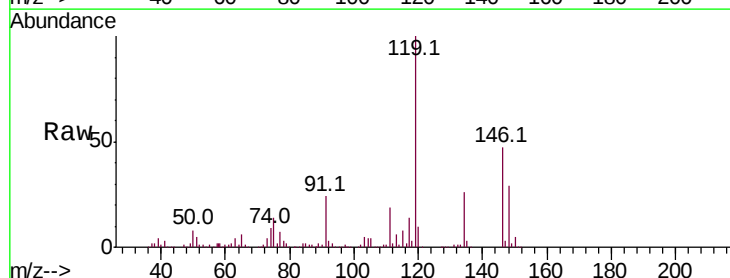
Tgt Ion:119 Resp: 326991

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

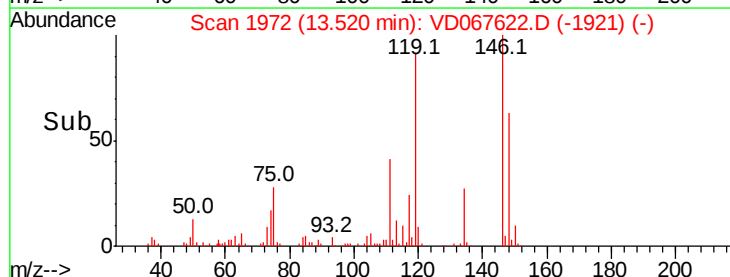
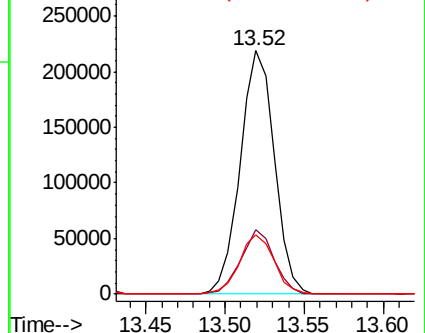
91 24.5 12.2 36.4

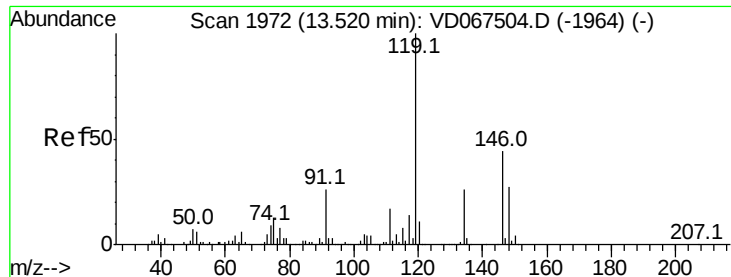


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.258 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

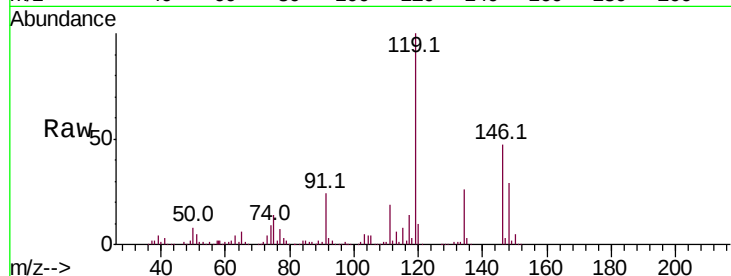
Tot Ion:146 Resp: 163349

Ion Ratio Lower Upper

146 100

111 41.7 20.3 60.8

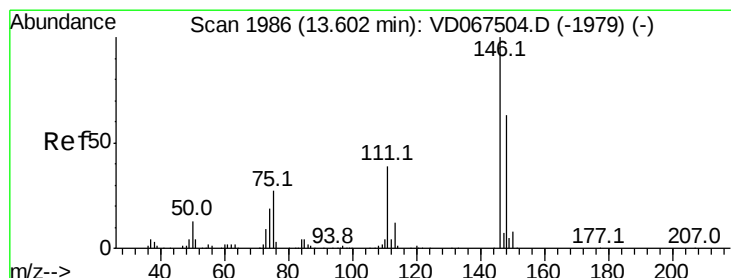
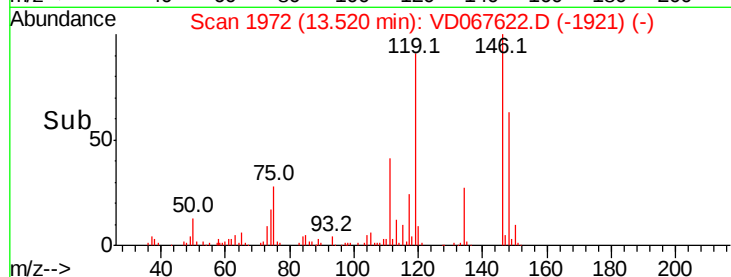
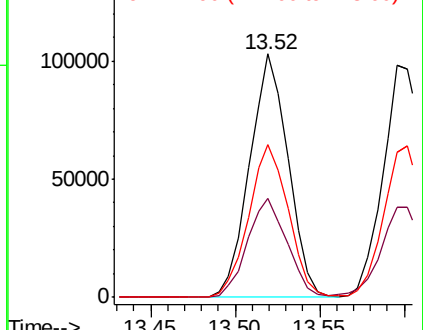
148 64.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.064 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

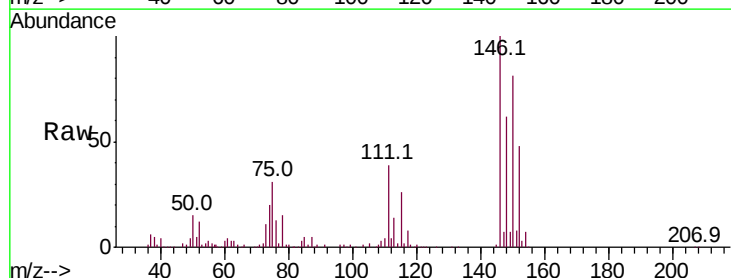
Tgt Ion:146 Resp: 163961

Ion Ratio Lower Upper

146 100

111 40.6 19.6 58.7

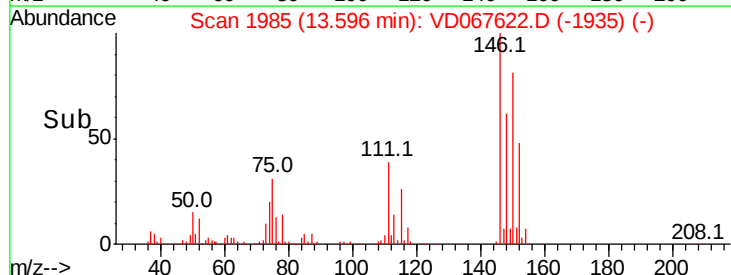
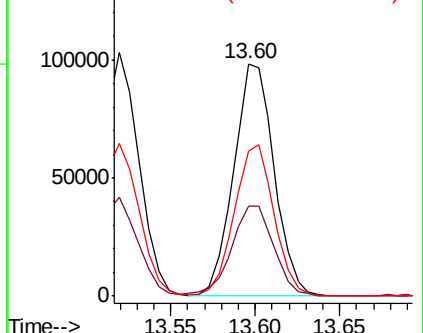
148 63.7 31.8 95.4

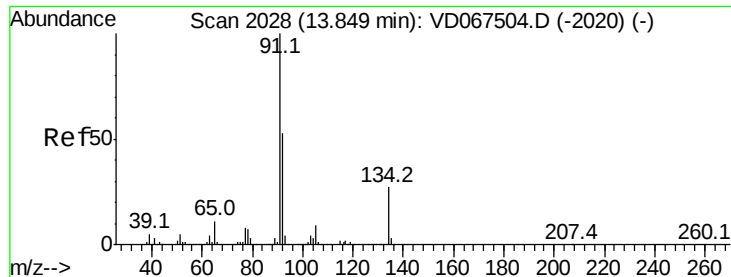


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

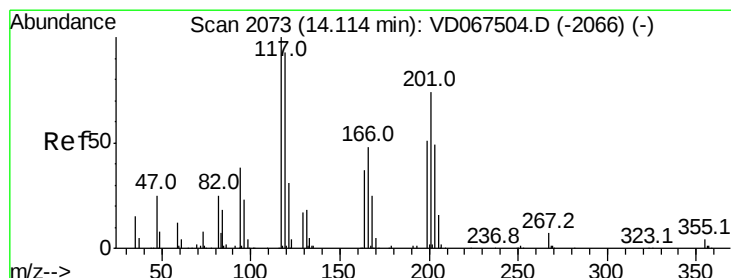
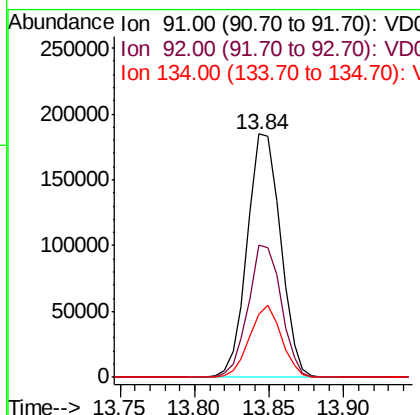
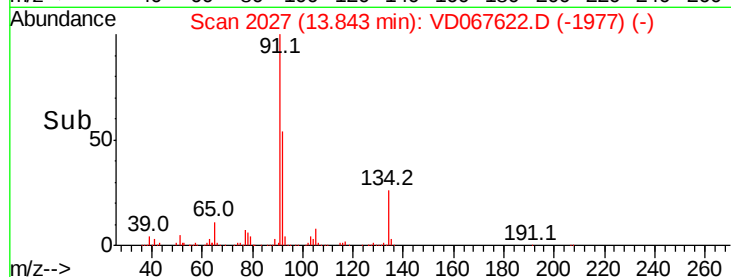
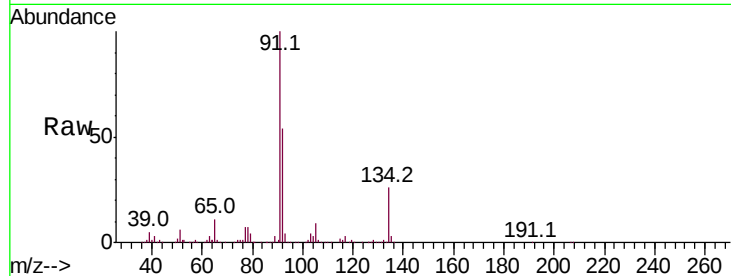




#89
n-Butylbenzene
Concen: 22.361 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

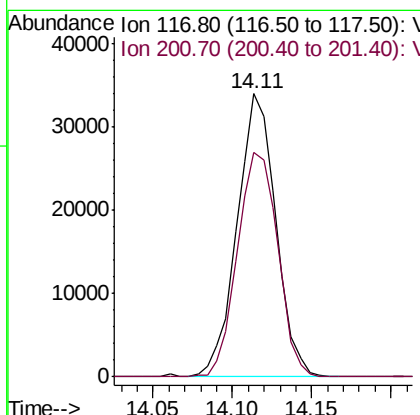
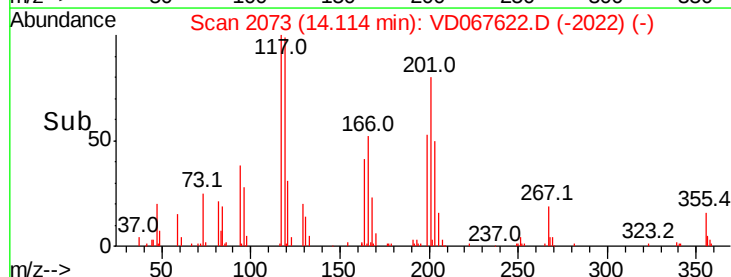
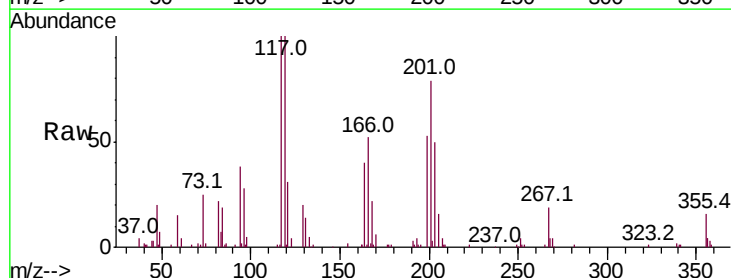
Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS02

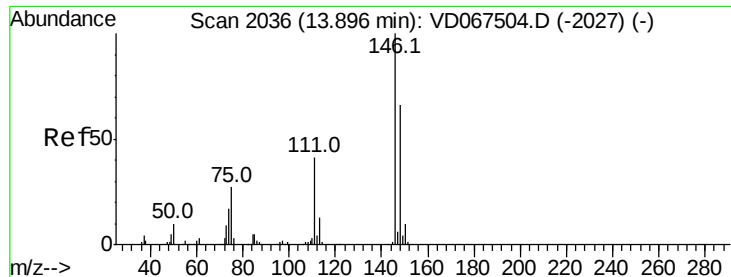
Tot Ion: 91 Resp: 285473
Ion Ratio Lower Upper
91 100
92 53.9 26.6 79.8
134 28.4 14.1 42.2



#90
Hexachloroethane
Concen: 20.656 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067622.D
Acq: 12 Nov 2020 14:46

Tgt Ion: 117 Resp: 57495
Ion Ratio Lower Upper
117 100
201 82.9 40.7 122.1

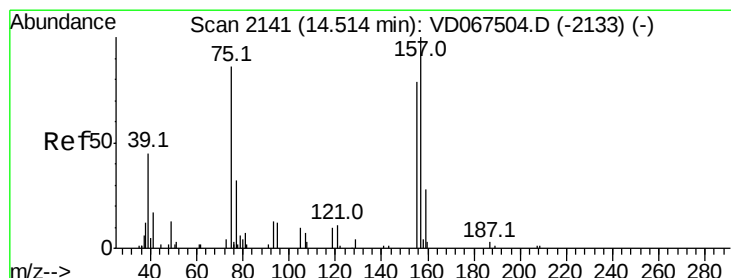
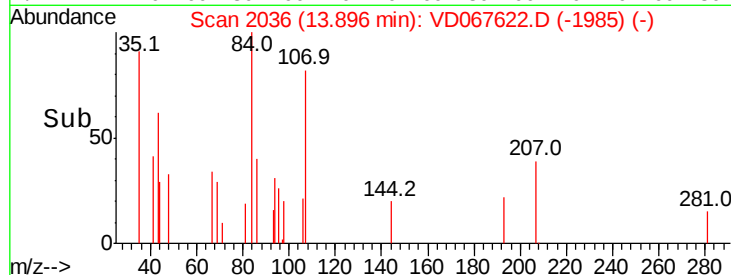
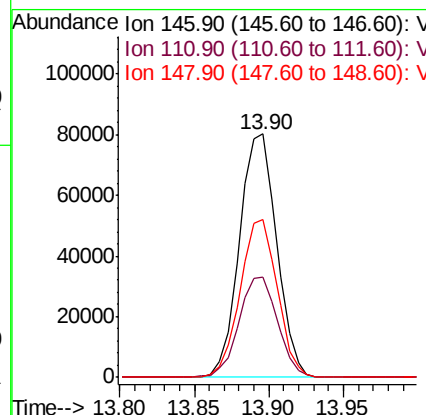
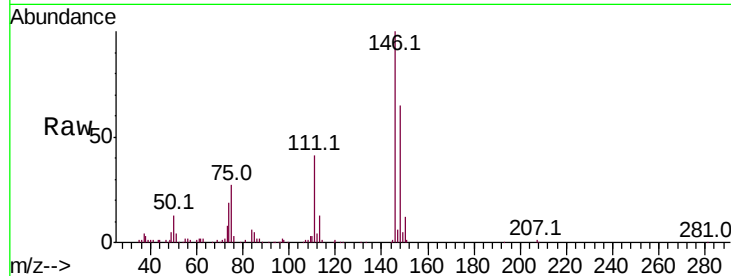




#91
 1,2-Dichlorobenzene
 Concen: 21.882 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

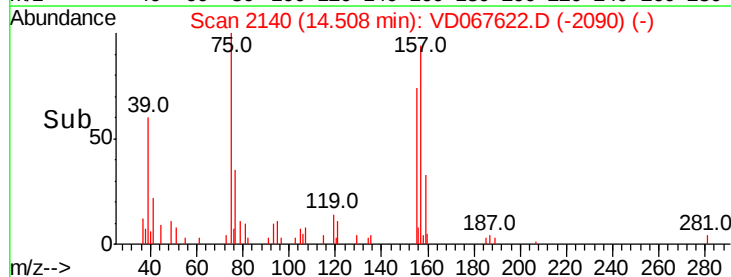
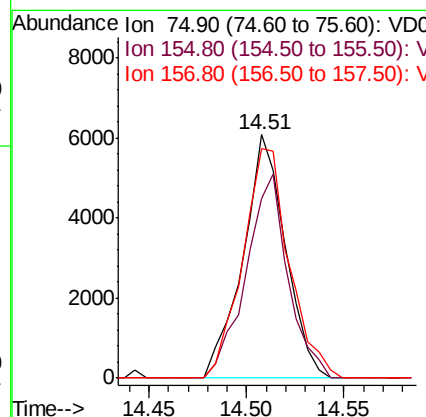
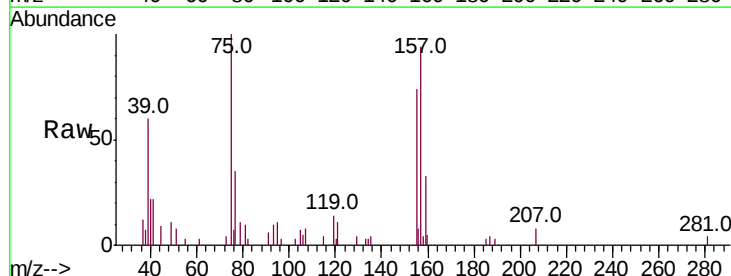
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

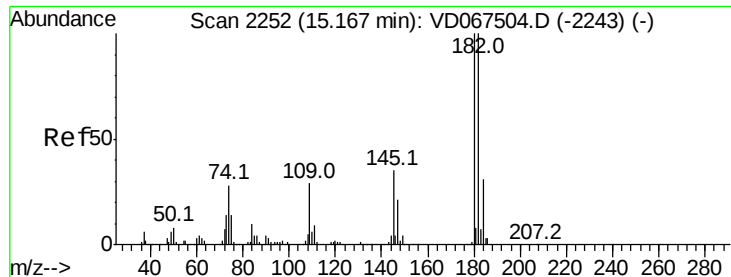
Tot Ion:146 Resp: 138981
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.7 62.1
 148 64.7 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.237 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion: 75 Resp: 9164
 Ion Ratio Lower Upper
 75 100
 155 82.8 46.6 139.8
 157 103.2 58.1 174.2

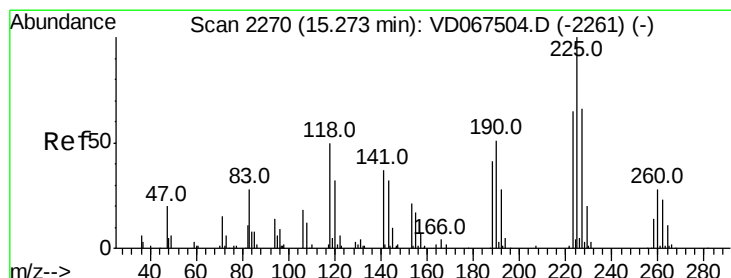
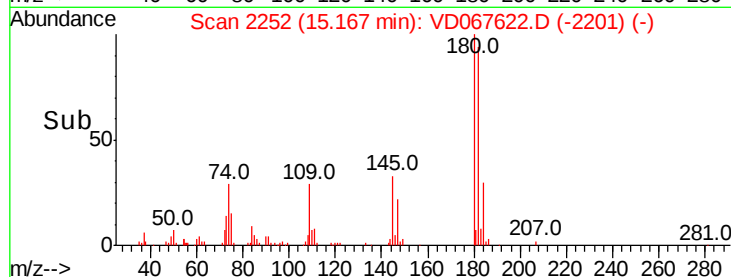
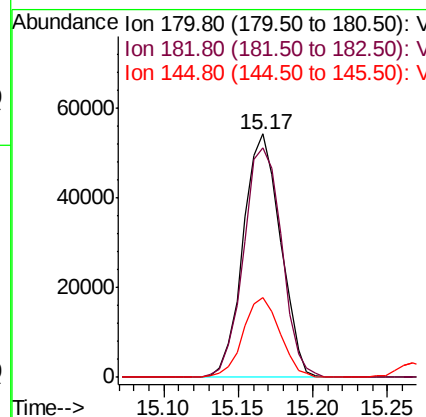
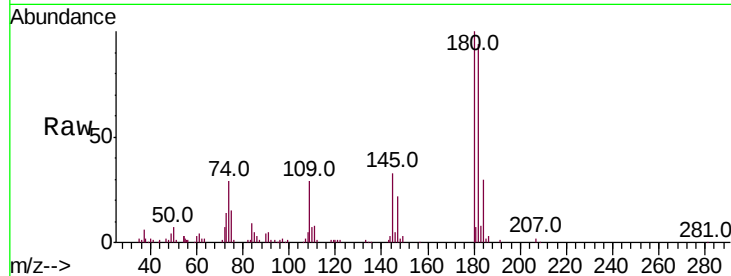




#93
 1,2,4-Trichlorobenzene
 Concen: 21.803 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

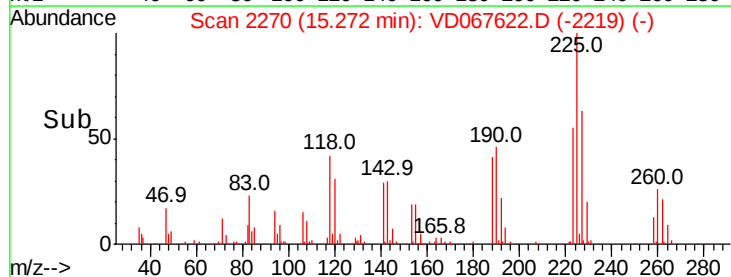
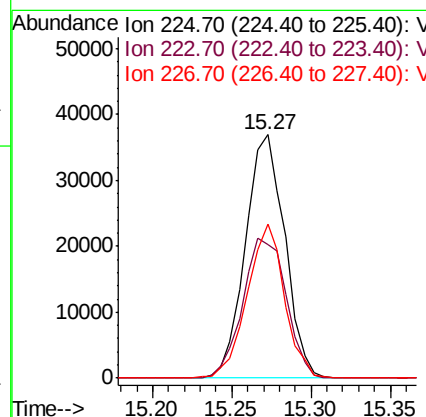
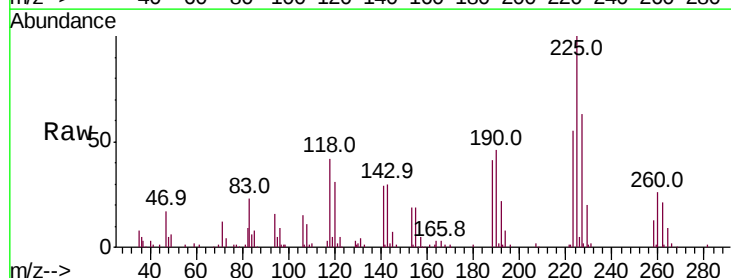
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS02

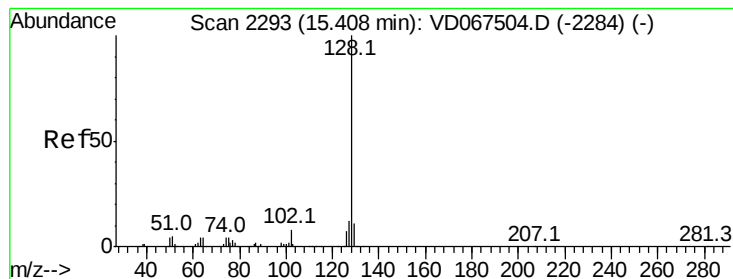
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.3
145	32.3	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 22.067 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067622.D
 Acq: 12 Nov 2020 14:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.5
227	60.0	32.5	97.4





#95

Naphthalene

Concen: 22.319 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS02

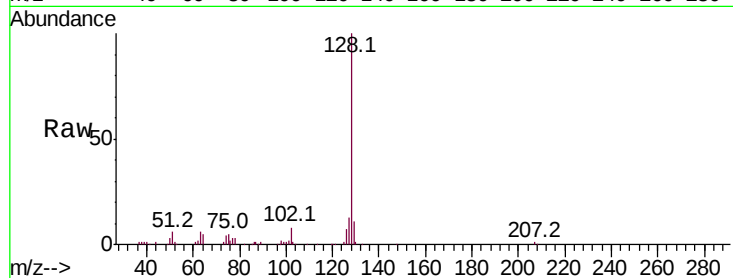
Tot Ion:128 Resp: 148484

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

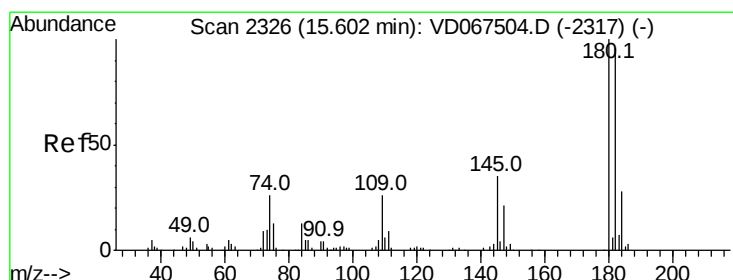
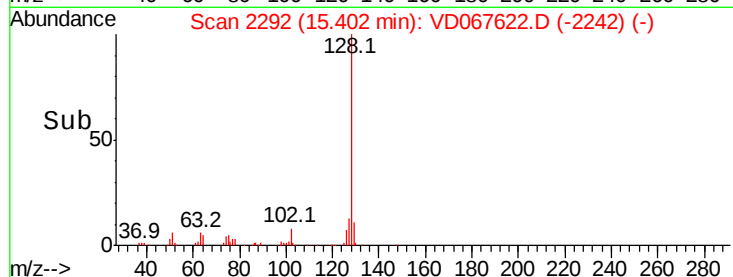
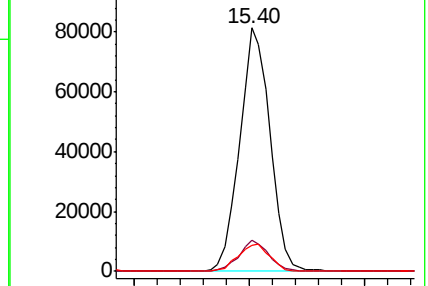
129 11.5 8.9 13.3



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: 21.204 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067622.D

Acq: 12 Nov 2020 14:46

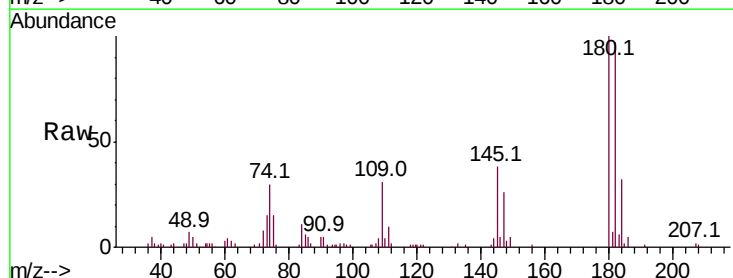
Tgt Ion:180 Resp: 78275

Ion Ratio Lower Upper

180 100

182 94.3 46.9 140.8

145 37.6 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

