

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067906.D
 Acq On : 08 Dec 2020 10:59
 Operator : VA/SY
 Sample : VD1208SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Quant Time: Dec 09 04:26:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	212998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	306969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	271033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144157	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.33	65	105370	46.08	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.16%	
35) Dibromofluoromethane		7.91	113	92808	45.18	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.36%	
50) Toluene-d8		10.34	98	353309	47.78	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.56%	
62) 4-Bromofluorobenzene		12.64	95	122094	47.76	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	33073	17.842	ug/l	100
3) Chloromethane	2.21	50	20618	19.273	ug/l	94
4) Vinyl Chloride	2.35	62	26255	19.487	ug/l	100
5) Bromomethane	2.77	94	28301	23.530	ug/l	96
6) Chloroethane	2.93	64	17834	20.330	ug/l	92
7) Trichlorofluoromethane	3.28	101	81293	19.718	ug/l	99
8) Diethyl Ether	3.70	74	14214	17.689	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	37731	20.070	ug/l	100
10) Methyl Iodide	4.30	142	32800	16.460	ug/l	96
11) Tert butyl alcohol	5.21	59	12246	60.711	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	34427	19.505	ug/l	87
13) Acrolein	3.93	56	6085	69.249	ug/l	88
14) Allyl chloride	4.71	41	31752	19.446	ug/l	98
15) Acrylonitrile	5.41	53	23824	85.505	ug/l	97
16) Acetone	4.16	43	23149	81.927	ug/l	91
17) Carbon Disulfide	4.41	76	90957	18.458	ug/l	97
18) Methyl Acetate	4.72	43	9319	17.095	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	72915	19.293	ug/l	99
20) Methylene Chloride	4.96	84	41870	20.448	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	39183	19.509	ug/l	98
22) Diisopropyl ether	6.36	45	62007	18.881	ug/l	94
23) Vinyl Acetate	6.31	43	170502	93.326	ug/l	96
24) 1,1-Dichloroethane	6.27	63	57878	20.105	ug/l	100
25) 2-Butanone	7.21	43	25372	85.372	ug/l	97
26) 2,2-Dichloropropane	7.21	77	71878	20.938	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	42423	19.311	ug/l	96
28) Bromochloromethane	7.55	49	15289	16.728	ug/l	96
29) Tetrahydrofuran	7.57	42	15895	93.932	ug/l	96
30) Chloroform	7.71	83	76592	19.909	ug/l	96
31) Cyclohexane	7.98	56	44271	18.377	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	83727	20.617	ug/l	99
36) 1,1-Dichloropropene	8.11	75	54055	20.341	ug/l	99
37) Ethyl Acetate	7.30	43	12236	17.084	ug/l #	88
38) Carbon Tetrachloride	8.10	117	83624	20.798	ug/l	92

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	60809	19.310	ug/l	95
40) Benzene	8.35	78	140546	19.329	ug/l	95
41) Methacrylonitrile	7.52	41	6144	14.924	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	51263	19.781	ug/l	99
43) Isopropyl Acetate	8.46	43	24440	17.343	ug/l	95
44) Trichloroethene	9.11	130	51017	20.407	ug/l	90
45) 1,2-Dichloropropane	9.39	63	26220	17.569	ug/l #	82
46) Dibromomethane	9.48	93	20252	19.517	ug/l	97
47) Bromodichloromethane	9.67	83	56131	18.975	ug/l	92
48) Methyl methacrylate	9.46	41	12788	17.871	ug/l	94
49) 1,4-Dioxane	9.47	88	3602	303.796	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	56703	85.016	ug/l	99
52) Toluene	10.41	92	99207	19.514	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	46645	18.269	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	52974	19.074	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	25678	18.083	ug/l	98
56) Ethyl methacrylate	10.66	69	24774	17.147	ug/l	98
57) 1,3-Dichloropropane	10.95	76	40137	17.844	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	51809	78.805	ug/l	94
59) 2-Hexanone	10.99	43	39235	83.447	ug/l	99
60) Dibromochloromethane	11.14	129	41681	19.472	ug/l	97
61) 1,2-Dibromoethane	11.25	107	26620	19.063	ug/l	93
64) Tetrachloroethene	10.88	164	44442	20.102	ug/l	96
65) Chlorobenzene	11.67	112	114696	20.509	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	46463	20.370	ug/l	98
67) Ethyl Benzene	11.75	91	201779	21.180	ug/l	98
68) m/p-Xylenes	11.86	106	159318	42.411	ug/l	99
69) o-Xylene	12.18	106	70375	21.103	ug/l	99
70) Styrene	12.20	104	122855	21.186	ug/l	100
71) Bromoform	12.37	173	22919	18.982	ug/l #	97
73) Isopropylbenzene	12.48	105	206297	20.809	ug/l	98
74) N-amyl acetate	12.29	43	22178	18.086	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	24213	18.500	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	35917	34.213	ug/l #	1
77) Bromobenzene	12.77	156	51825	21.028	ug/l	97
78) n-propylbenzene	12.83	91	227269	20.684	ug/l	99
79) 2-Chlorotoluene	12.91	91	135107	20.901	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	177504	20.680	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	7796	17.764	ug/l	99
82) 4-Chlorotoluene	13.01	91	140976	20.445	ug/l	100
83) tert-Butylbenzene	13.23	119	156796	21.467	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	177862	20.839	ug/l	99
85) sec-Butylbenzene	13.41	105	199290	20.443	ug/l	99
86) p-Isopropyltoluene	13.52	119	198093	20.733	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	93538	19.675	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	95066	19.988	ug/l	99
89) n-Butylbenzene	13.85	91	161319	20.323	ug/l	99
90) Hexachloroethane	14.11	117	34757	19.704	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	81128	19.675	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5396	19.754	ug/l	80

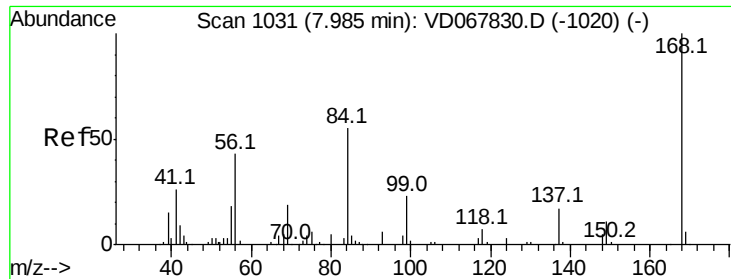
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120820\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58955	20.440	ug/l	98
94) Hexachlorobutadiene	15.27	225	37307	19.822	ug/l	98
95) Naphthalene	15.41	128	88172	18.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	48830	19.604	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

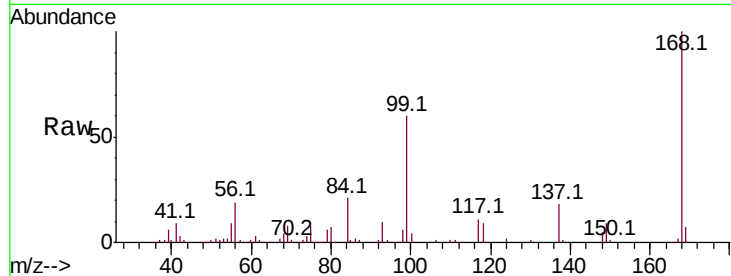
VD1208SBS01

Tot Ion:168 Resp: 212998

Ion Ratio Lower Upper

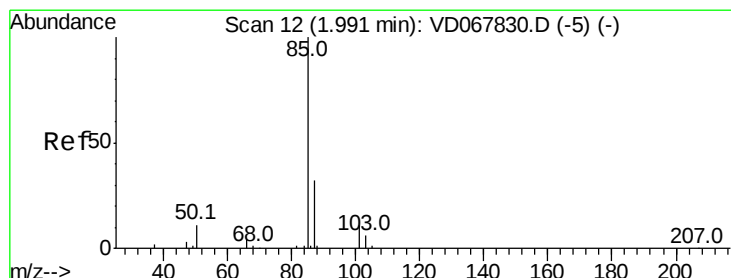
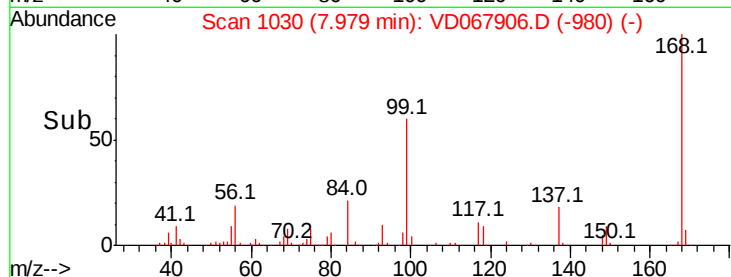
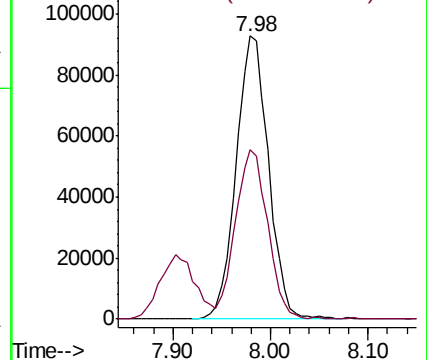
168 100

99 59.5 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.842 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067906.D

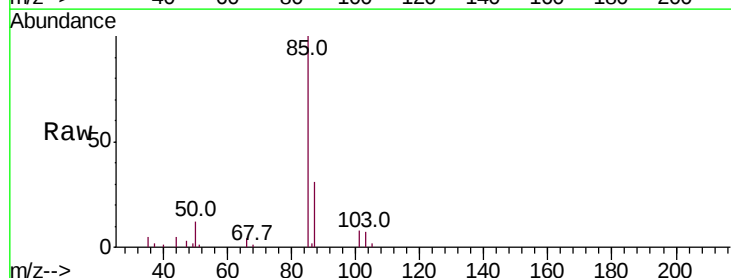
Acq: 08 Dec 2020 10:59

Tgt Ion: 85 Resp: 33073

Ion Ratio Lower Upper

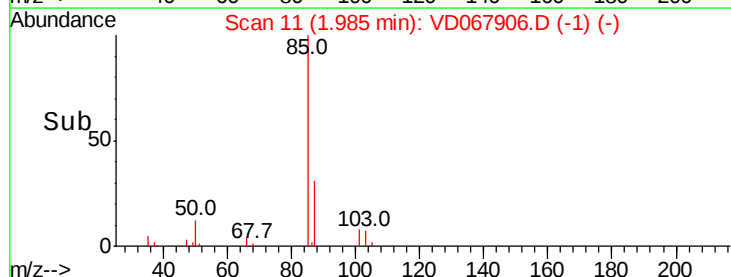
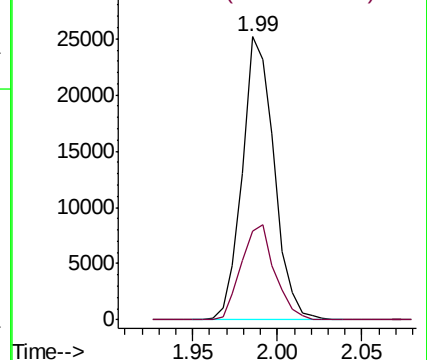
85 100

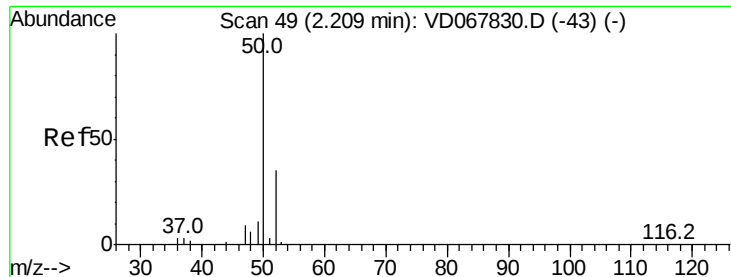
87 31.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.273 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

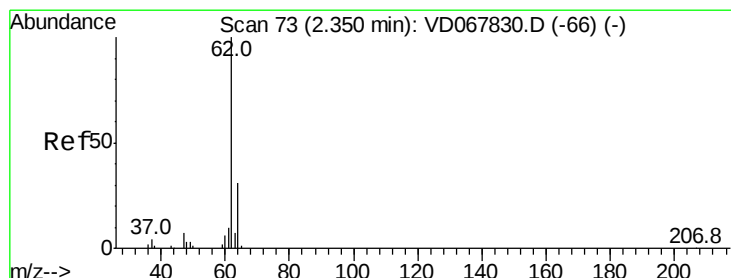
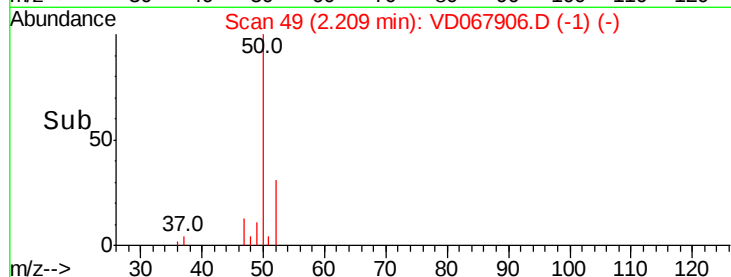
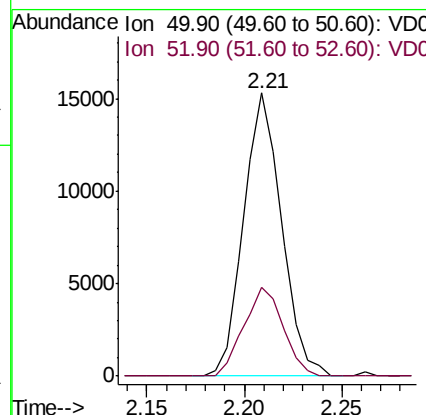
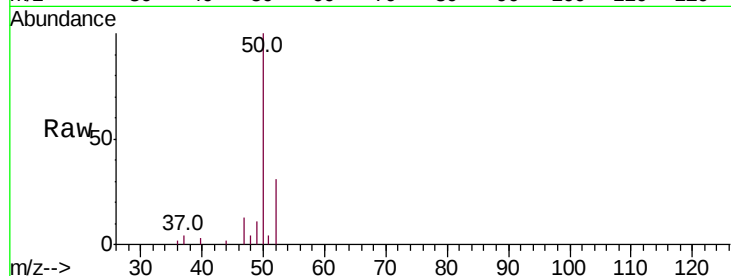
VD1208SBS01

Tot Ion: 50 Resp: 20618

Ion Ratio Lower Upper

50 100

52 31.3 27.8 41.6



#4

Vinyl Chloride

Concen: 19.487 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067906.D

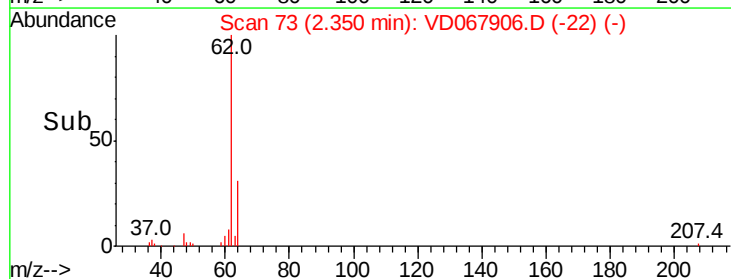
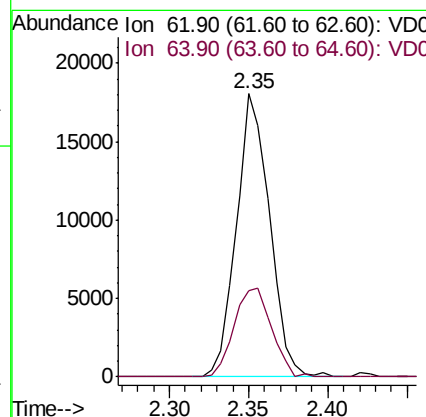
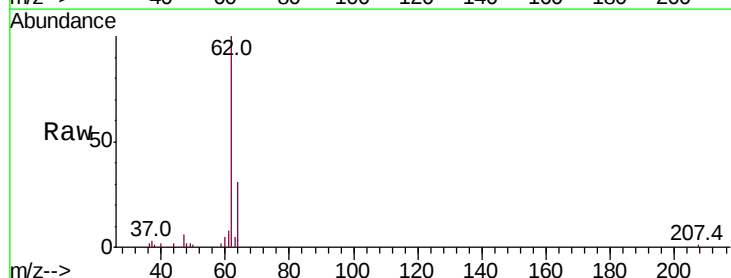
Acq: 08 Dec 2020 10:59

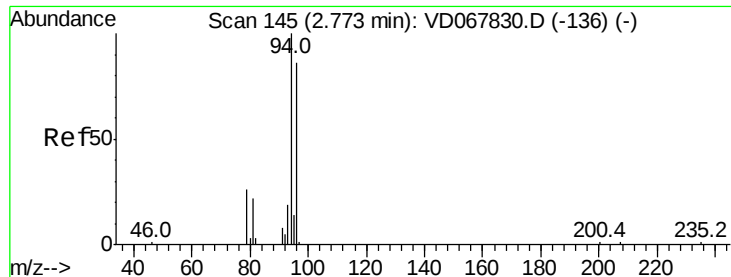
Tgt Ion: 62 Resp: 26255

Ion Ratio Lower Upper

62 100

64 30.6 24.5 36.7





#5

Bromomethane

Concen: 23.530 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

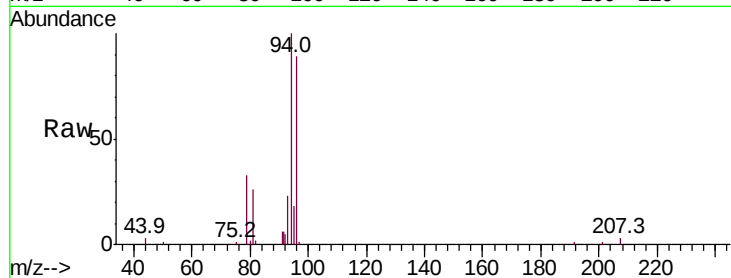
VD1208SBS01

Tot Ion: 94 Resp: 28301

Ion Ratio Lower Upper

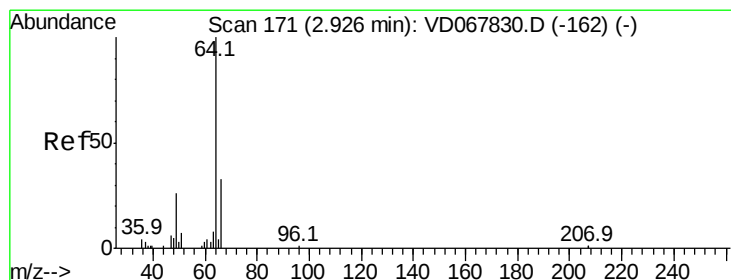
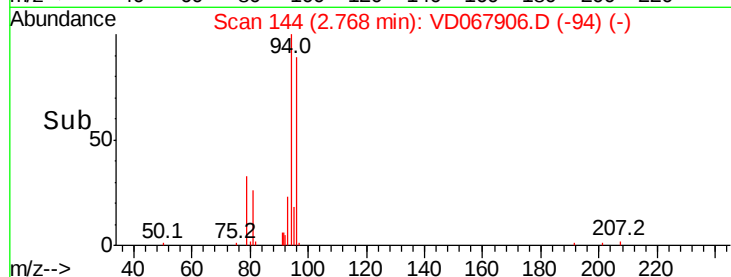
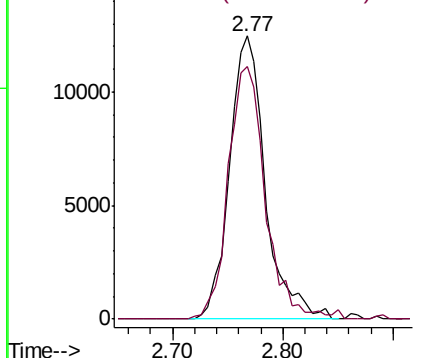
94 100

96 89.4 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.330 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067906.D

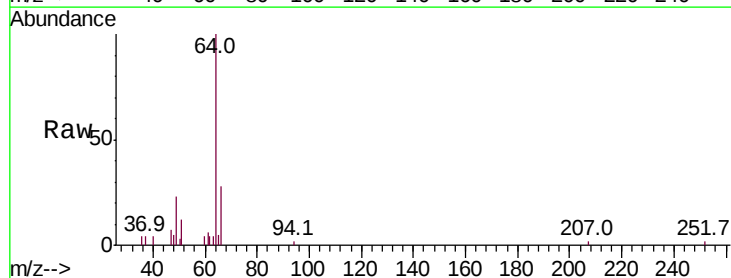
Acq: 08 Dec 2020 10:59

Tgt Ion: 64 Resp: 17834

Ion Ratio Lower Upper

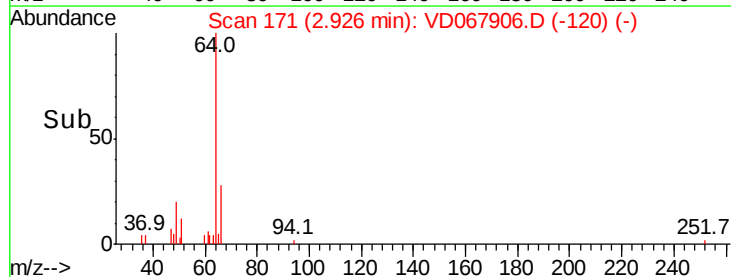
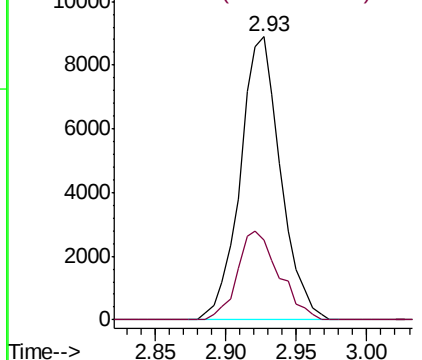
64 100

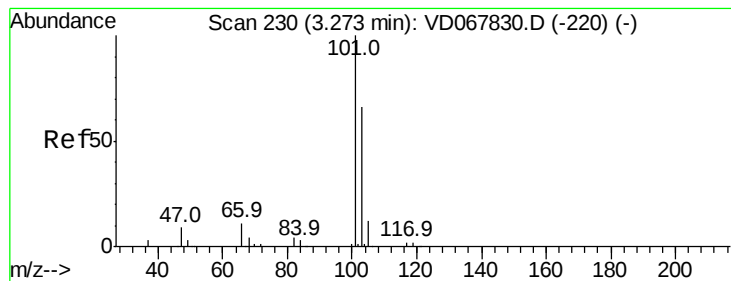
66 28.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



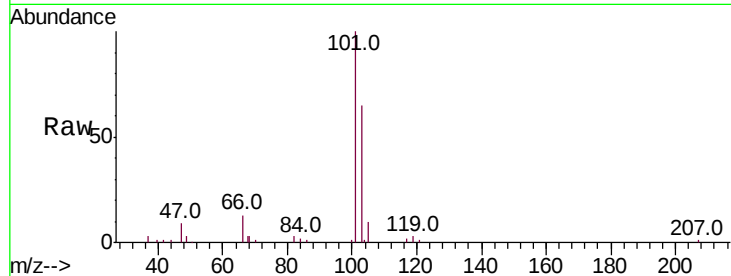


#7

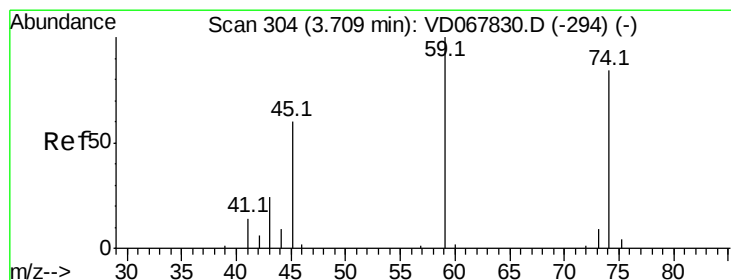
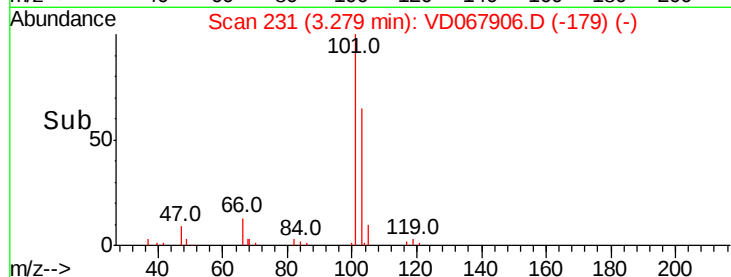
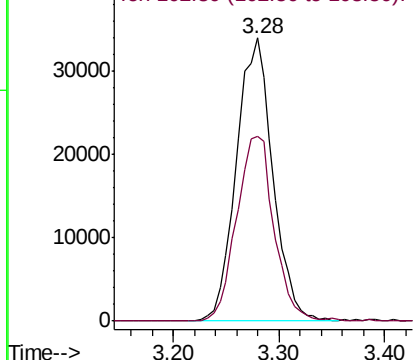
Trichlorofluoromethane
Concen: 19.718 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion:101 Resp: 81293
Ion Ratio Lower Upper
101 100
103 65.4 53.0 79.6



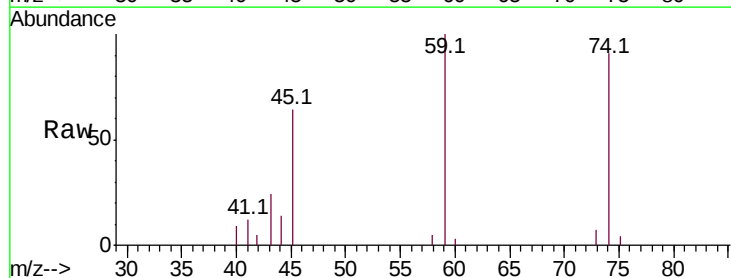
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



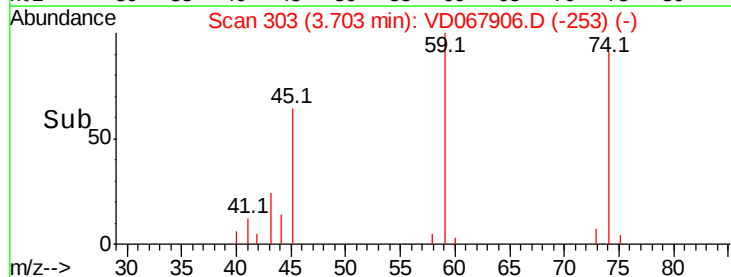
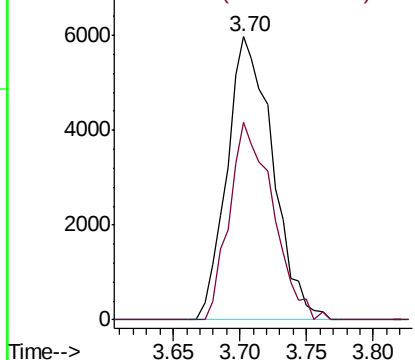
#8

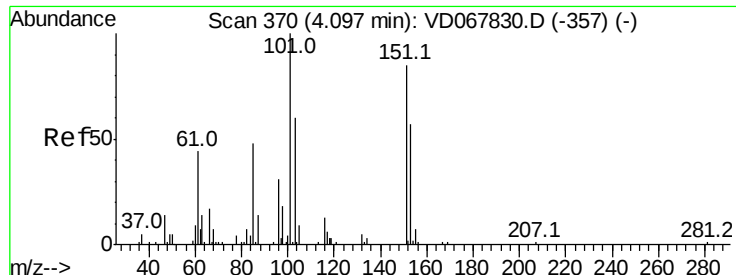
Diethyl Ether
Concen: 17.689 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion: 74 Resp: 14214
Ion Ratio Lower Upper
74 100
45 66.6 33.9 101.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.070 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

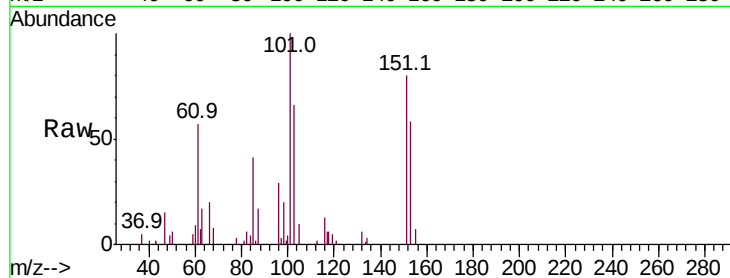
Tot Ion:101 Resp: 37731

Ion Ratio Lower Upper

101 100

85 45.5 36.2 54.4

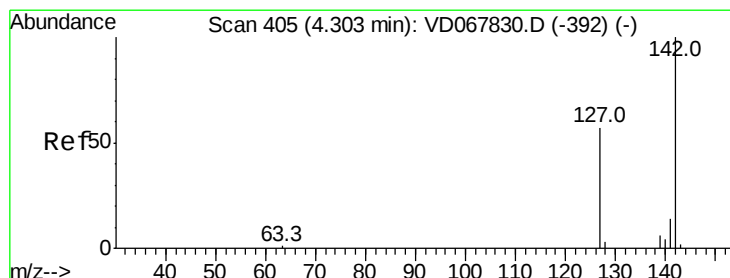
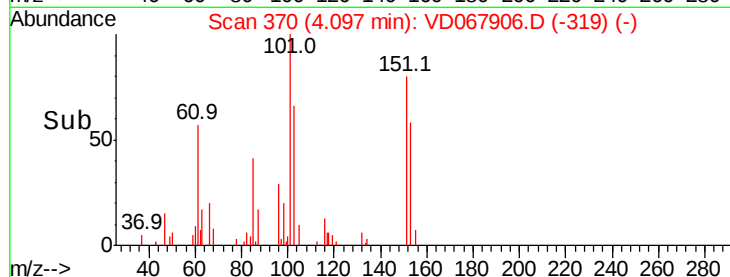
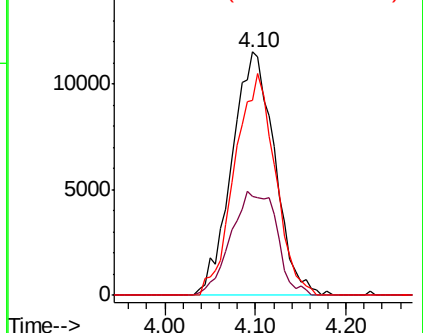
151 86.4 69.4 104.2



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: 16.460 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

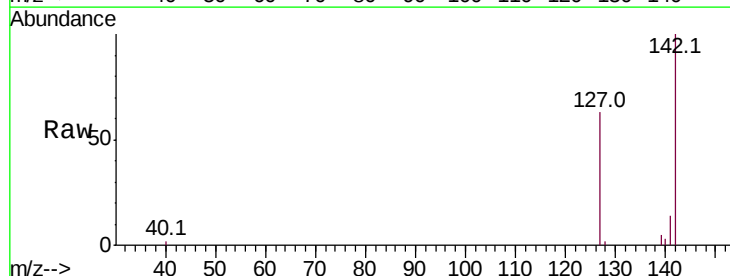
Tgt Ion:142 Resp: 32800

Ion Ratio Lower Upper

142 100

127 58.6 43.9 65.9

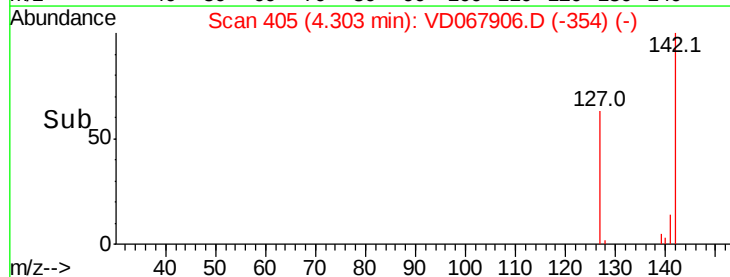
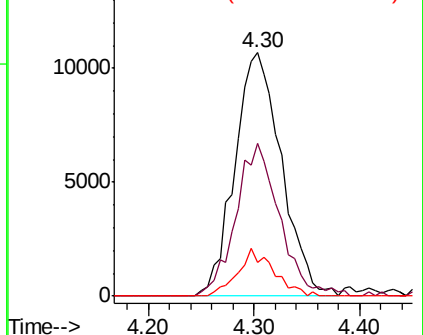
141 15.0 12.2 18.2

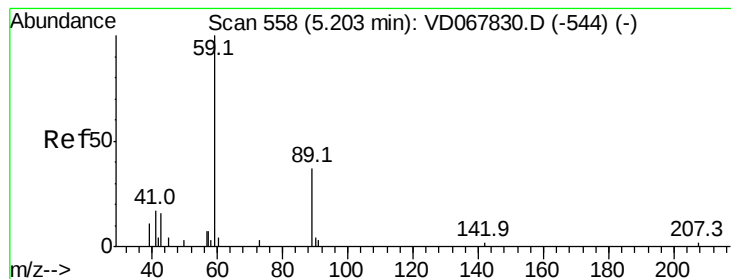


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 60.711 ug/l

RT: 5.21 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

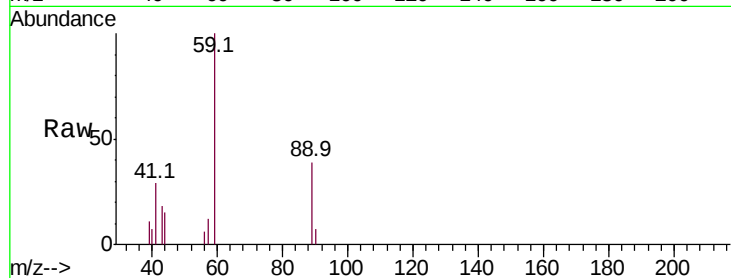
VD1208SBS01

Tot Ion: 59 Resp: 12246

Ion Ratio Lower Upper

59 100

57 7.1 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

3000

2500

2000

1500

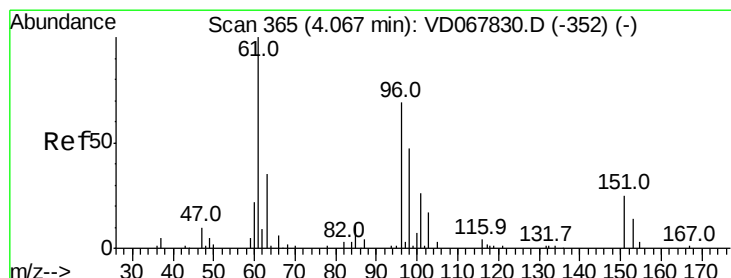
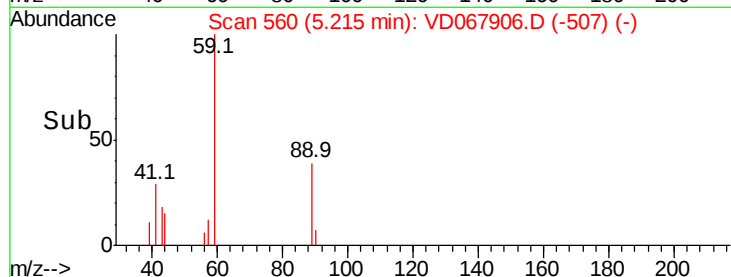
1000

500

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 19.505 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

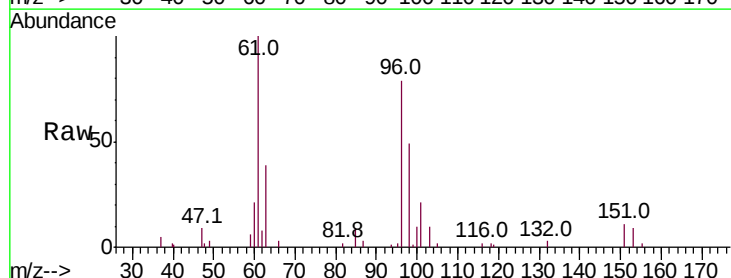
Tgt Ion: 96 Resp: 34427

Ion Ratio Lower Upper

96 100

61 125.8 116.1 174.1

98 61.3 54.6 82.0



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

25000

20000

15000

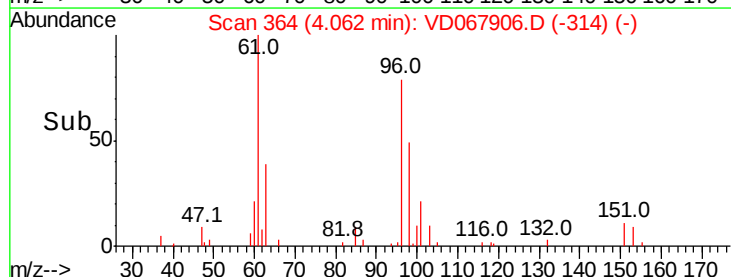
10000

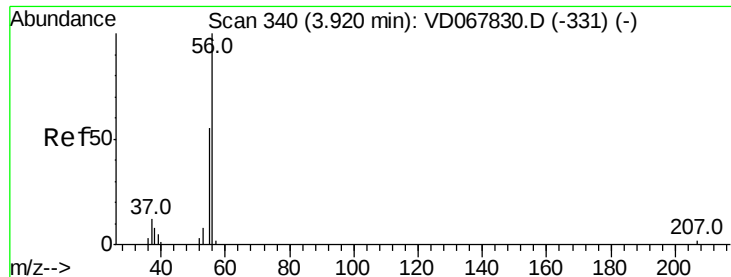
5000

0

Time-->

3.95 4.00 4.05 4.10 4.15





#13

Acrolein

Concen: 69.249 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

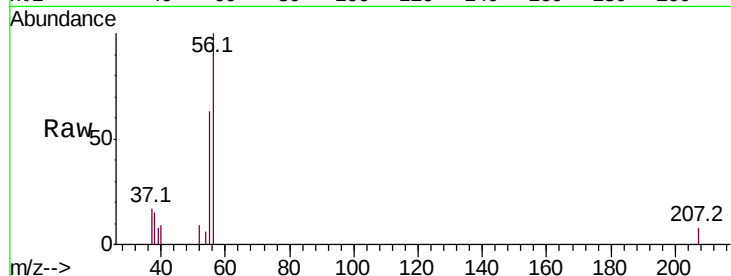
VD1208SBS01

Tot Ion: 56 Resp: 6085

Ion Ratio Lower Upper

56 100

55 80.8 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

3000

2500

2000

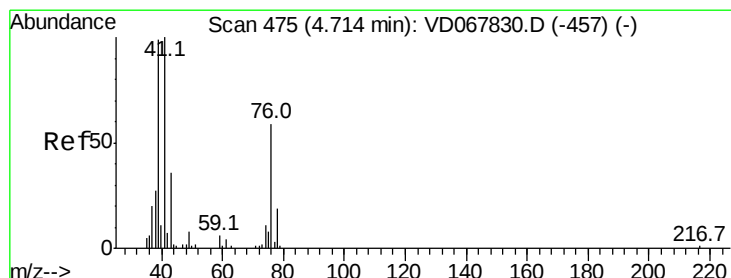
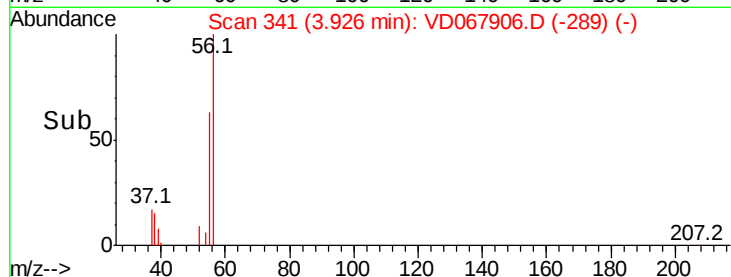
1500

1000

500

0

Time-->



#14

Allyl chloride

Concen: 19.446 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

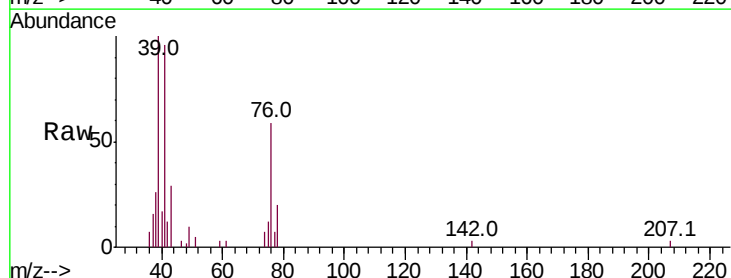
Tgt Ion: 41 Resp: 31752

Ion Ratio Lower Upper

41 100

39 100.5 79.0 118.6

76 60.5 46.6 70.0



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

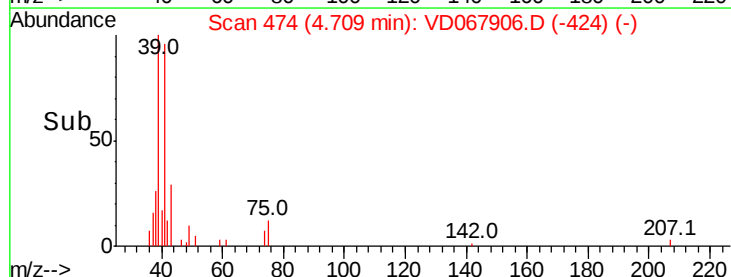
4.71

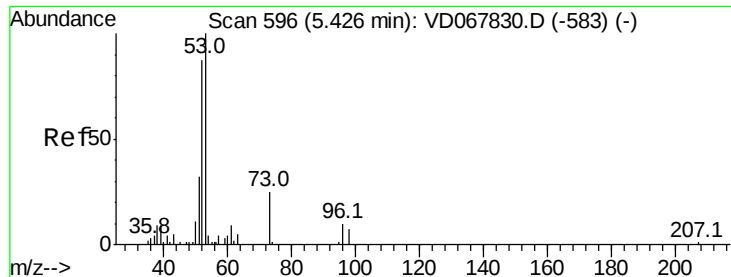
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 85.505 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

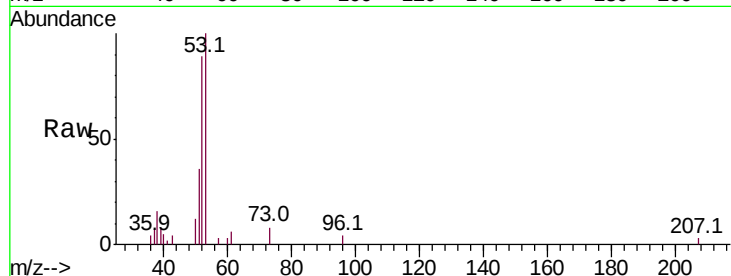
Tot Ion: 53 Resp: 23824

Ion Ratio Lower Upper

53 100

52 84.5 66.2 99.2

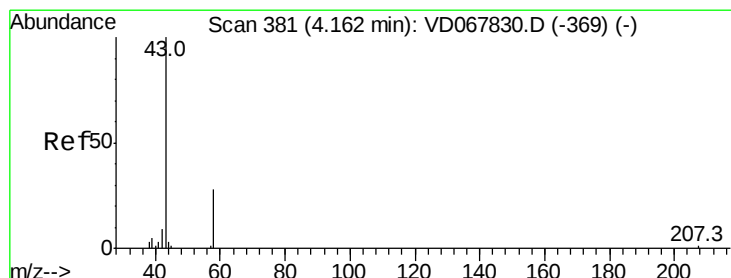
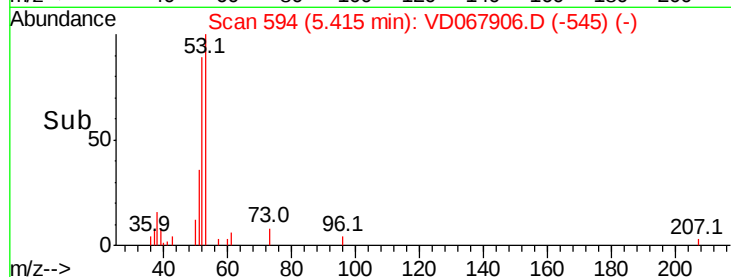
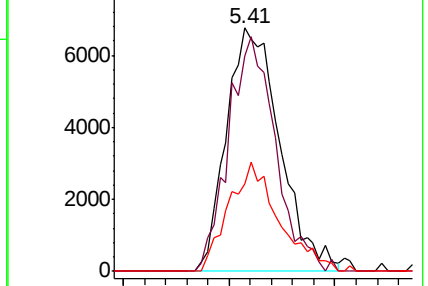
51 42.1 31.1 46.7



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: 81.927 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067906.D

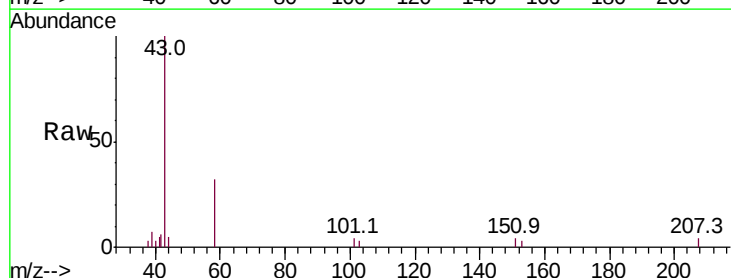
Acq: 08 Dec 2020 10:59

Tgt Ion: 43 Resp: 23149

Ion Ratio Lower Upper

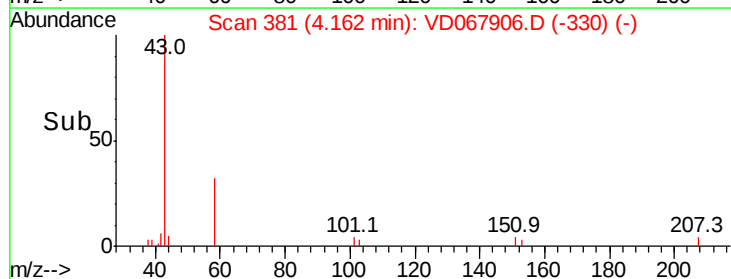
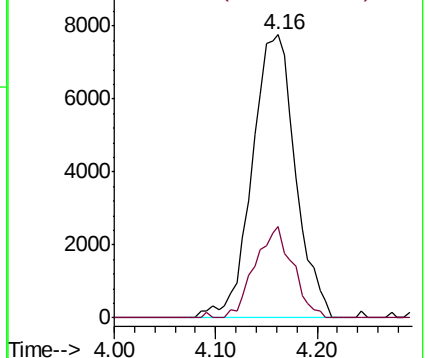
43 100

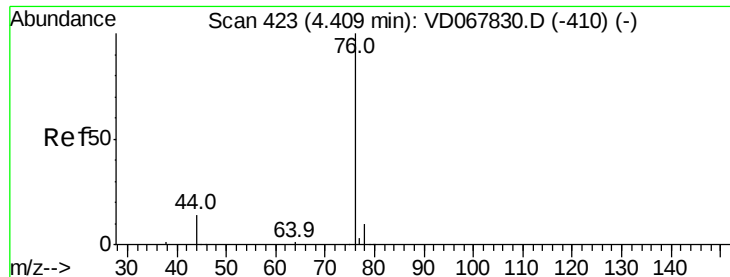
58 32.1 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

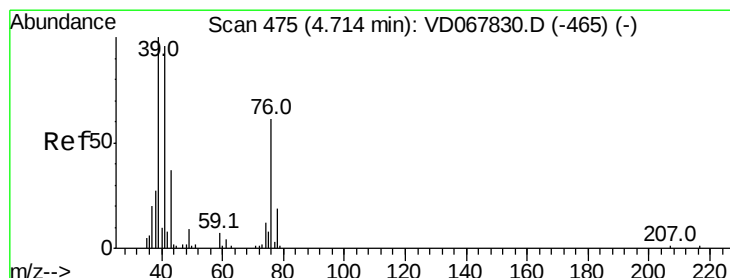
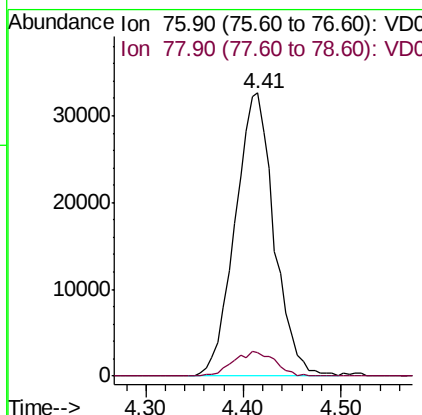
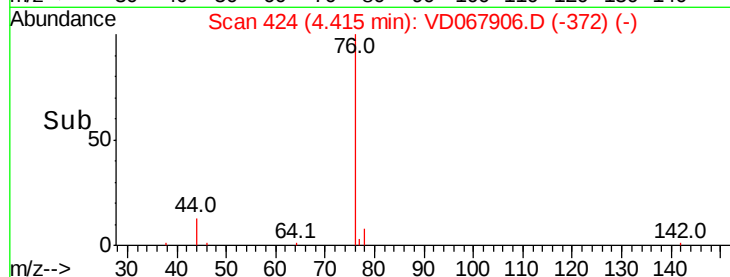
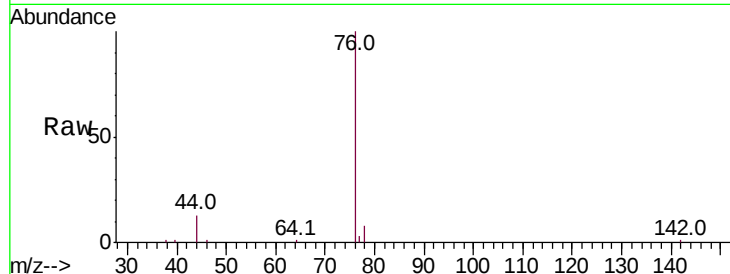




#17
Carbon Disulfide
Concen: 18.458 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

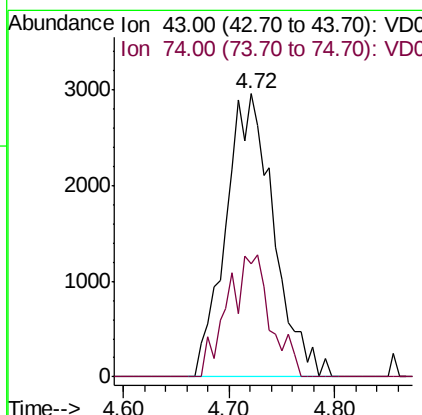
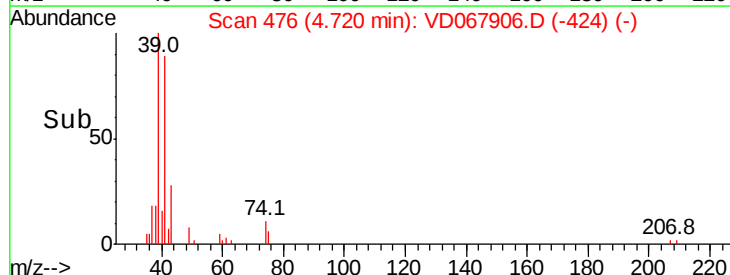
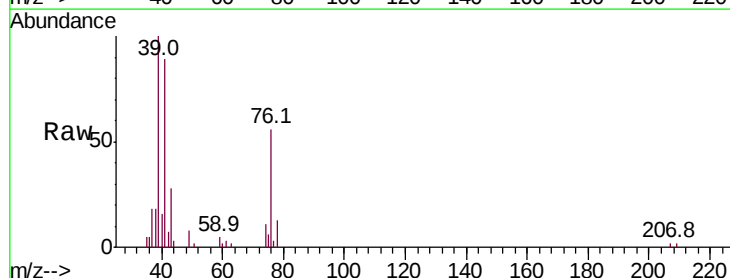
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

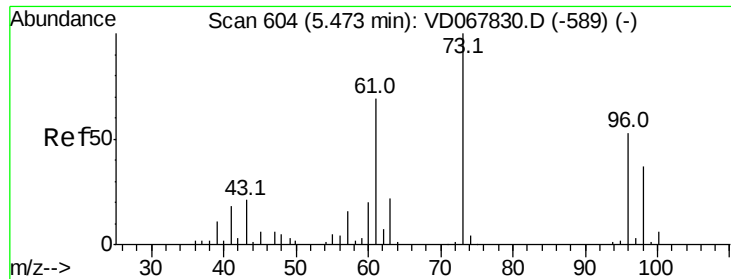
Tot Ion: 76 Resp: 90957
Ion Ratio Lower Upper
76 100
78 8.5 7.8 11.6



#18
Methyl Acetate
Concen: 17.095 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion: 43 Resp: 9319
Ion Ratio Lower Upper
43 100
74 38.8 27.0 40.4

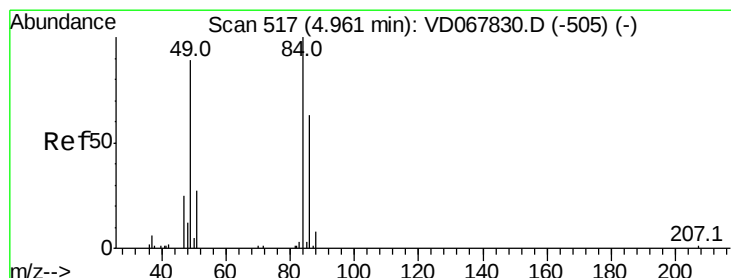
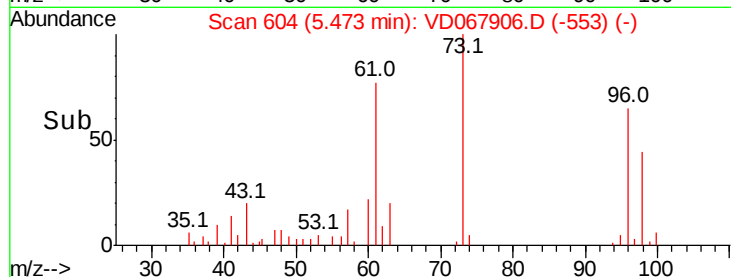
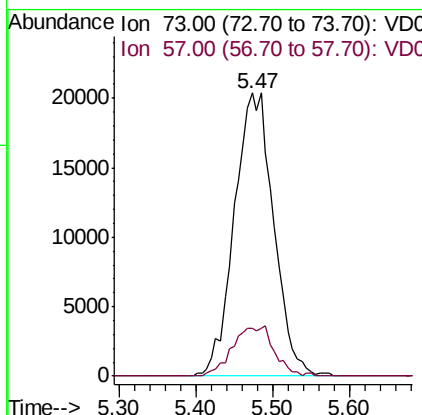
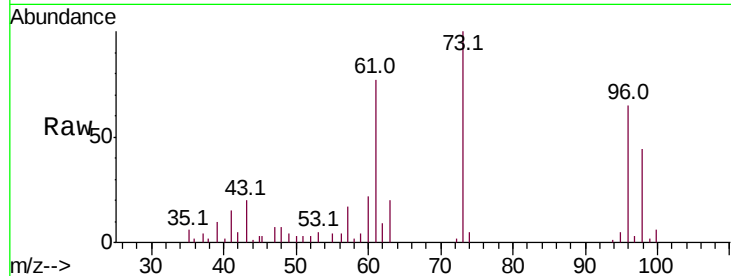




#19
Methvl tert-butvl Ether
Concen: 19.293 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

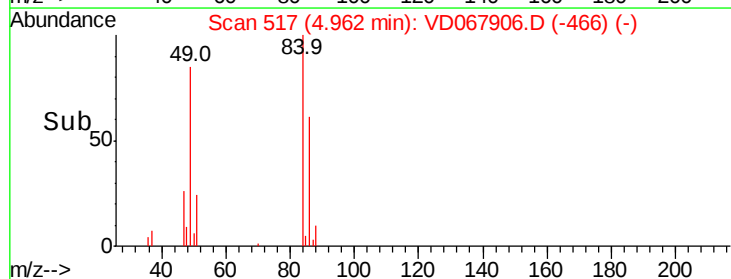
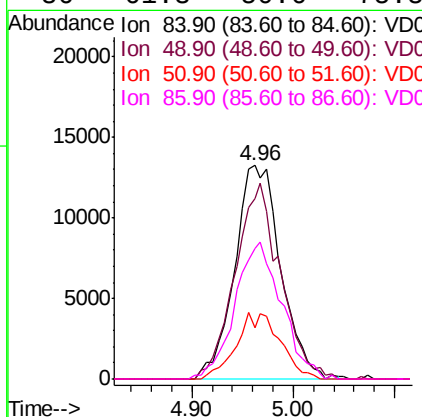
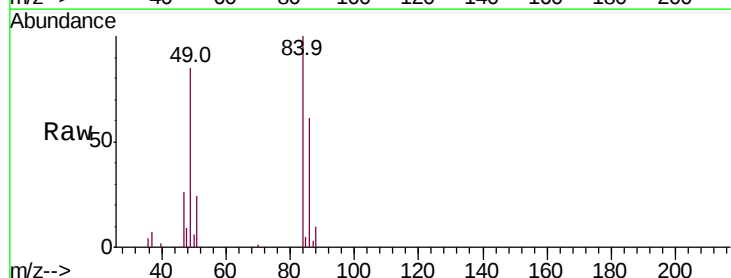
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

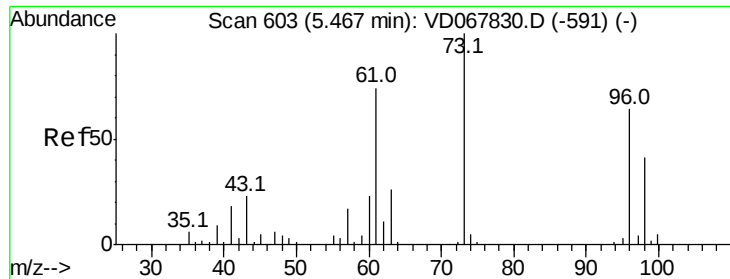
Tot Ion: 73 Resp: 72915
Ion Ratio Lower Upper
73 100
57 17.0 13.2 19.8



#20
Methylene Chloride
Concen: 20.448 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion: 84 Resp: 41870
Ion Ratio Lower Upper
84 100
49 84.8 71.4 107.0
51 24.0 21.8 32.8
86 61.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.509 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

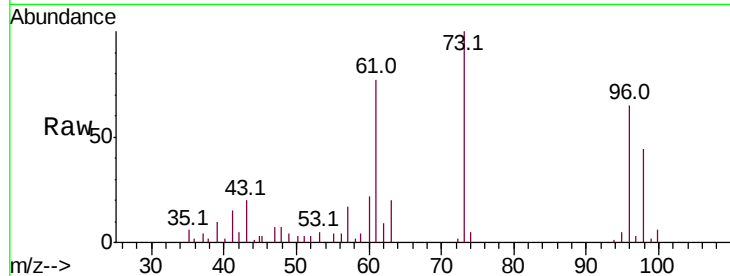
Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion: 96 Resp: 39183

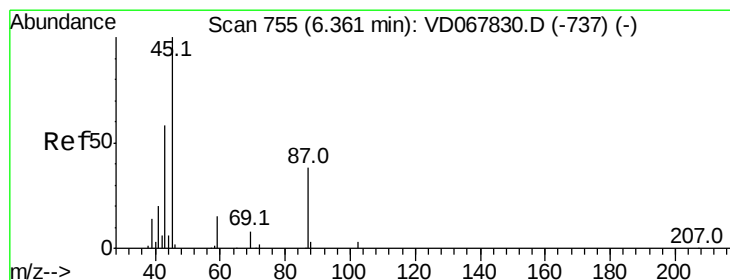
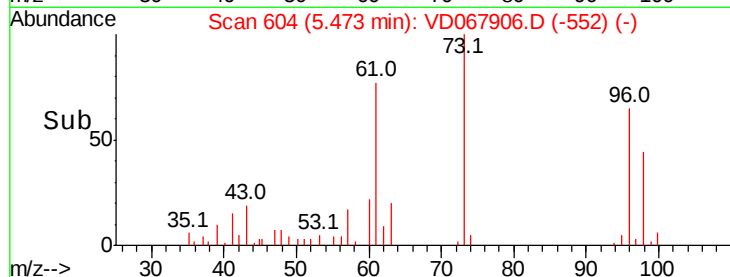
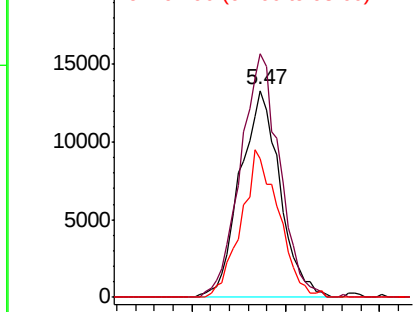
Ion	Ratio	Lower	Upper
96	100		
61	117.8	93.1	139.7
98	67.3	52.2	78.2



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: 18.881 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Tgt Ion: 45 Resp: 62007

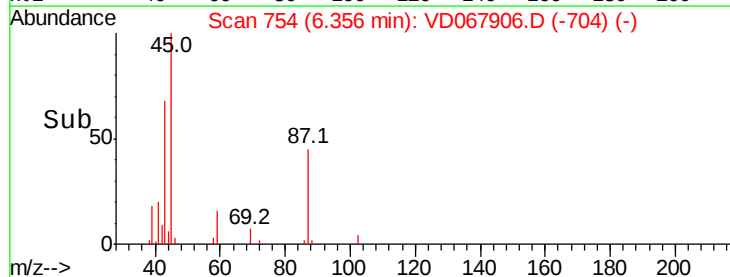
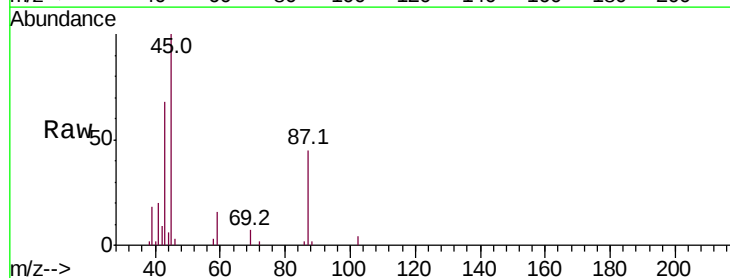
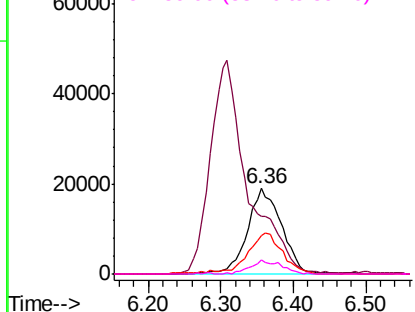
Ion	Ratio	Lower	Upper
45	100		
43	66.5	49.8	74.6
87	45.1	32.1	48.1
59	16.1	11.9	17.9

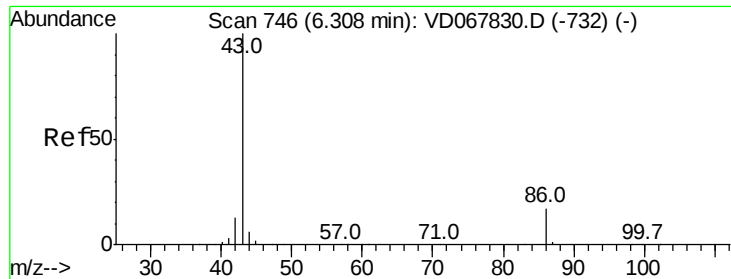
Abundance Ion 45.00 (44.70 to 45.70): VDC

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

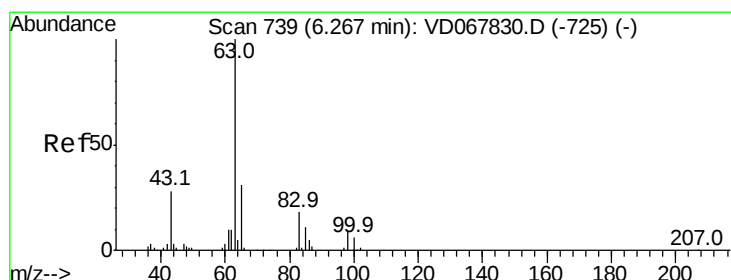
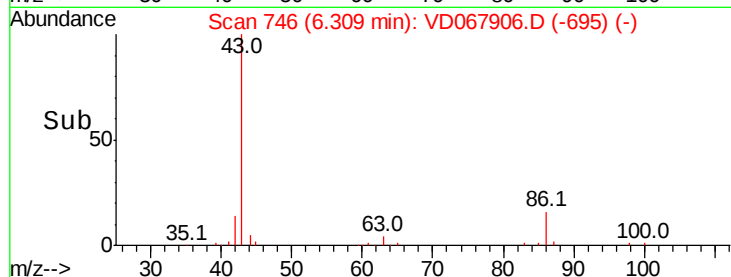
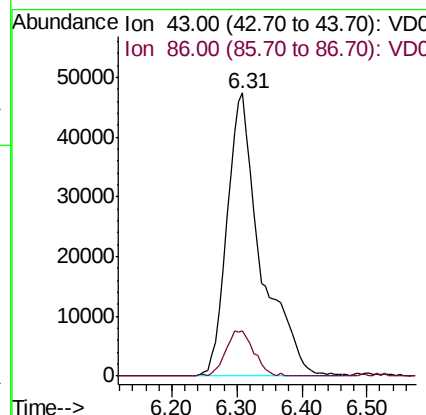
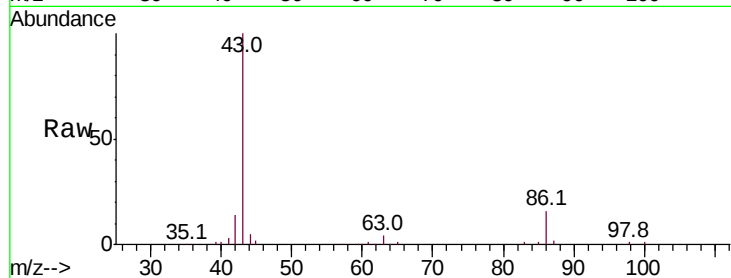




#23
 Vinyl Acetate
 Concen: 93.326 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

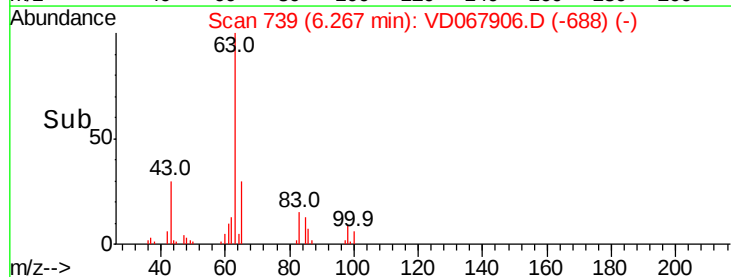
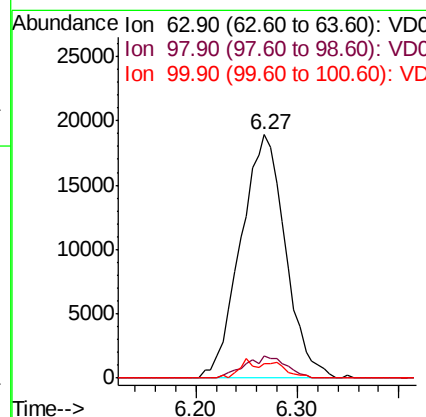
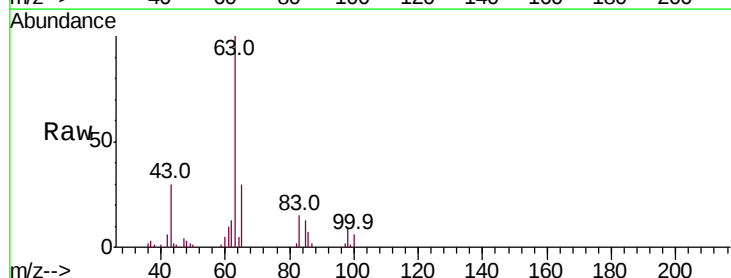
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

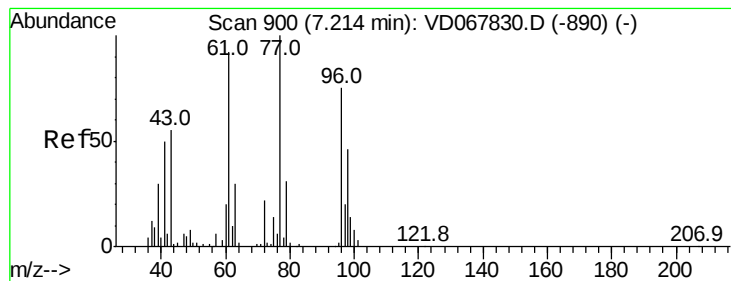
Tot Ion: 43 Resp: 170502
 Ion Ratio Lower Upper
 43 100
 86 15.6 13.8 20.6



#24
 1,1-Dichloroethane
 Concen: 20.105 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion: 63 Resp: 57878
 Ion Ratio Lower Upper
 63 100
 98 9.0 4.5 13.5
 100 5.9 3.0 9.2





#25

2-Butanone

Concen: 85.372 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

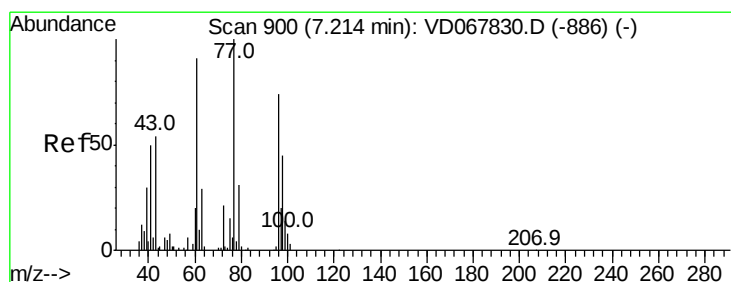
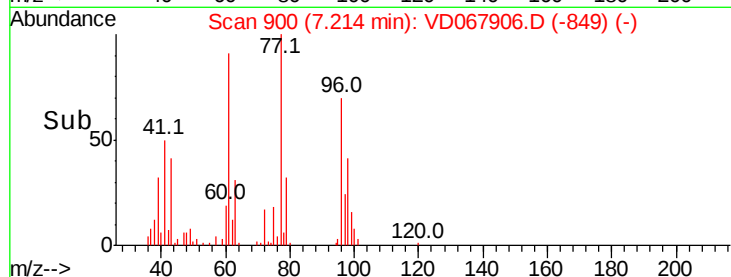
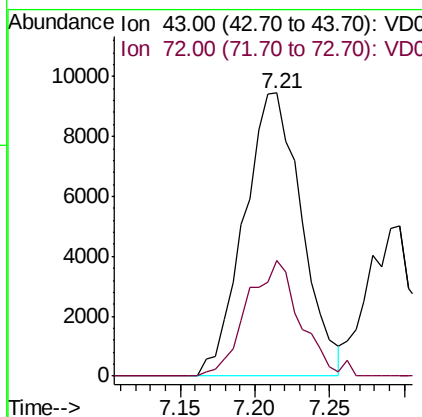
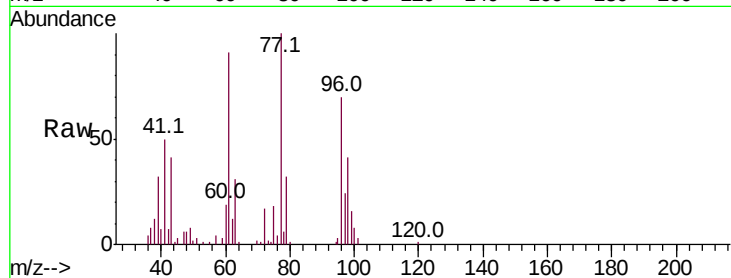
VD1208SBS01

Tot Ion: 43 Resp: 25372

Ion Ratio Lower Upper

43 100

72 40.8 31.3 46.9



#26

2,2-Dichloropropane

Concen: 20.938 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067906.D

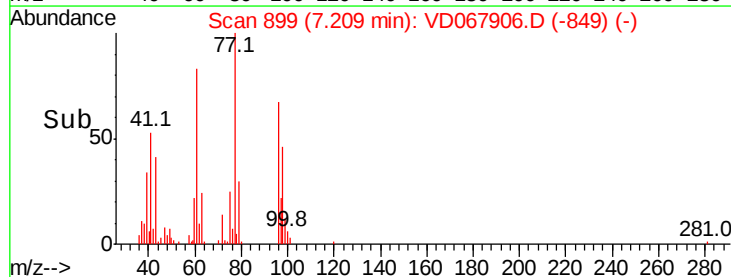
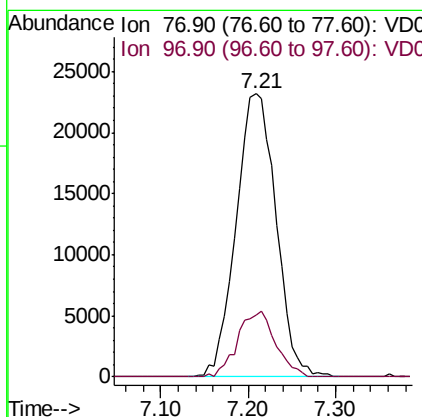
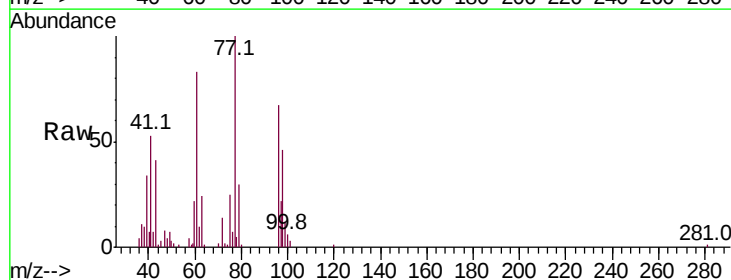
Acq: 08 Dec 2020 10:59

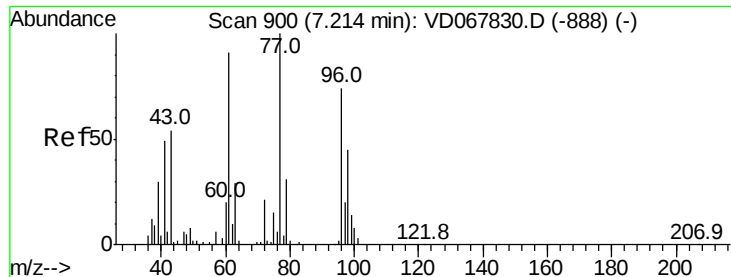
Tgt Ion: 77 Resp: 71878

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1



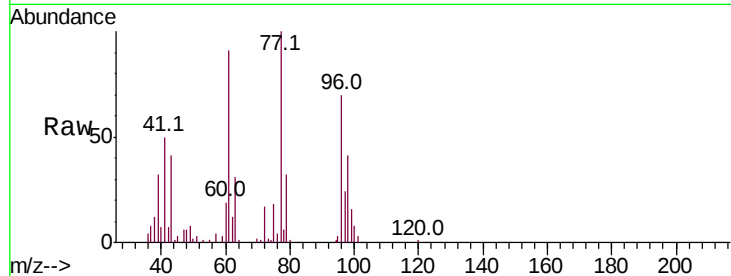


#27

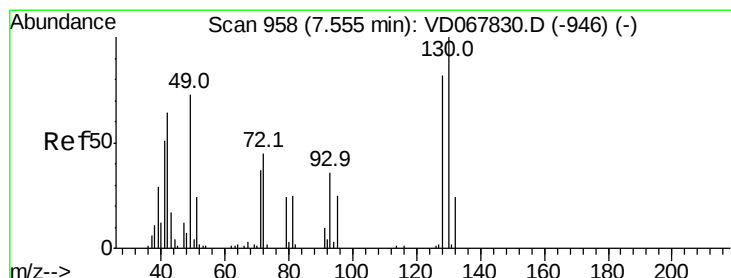
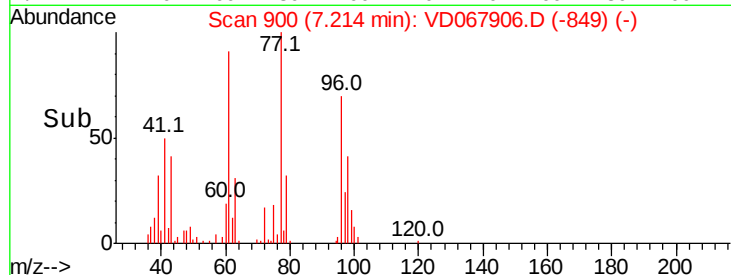
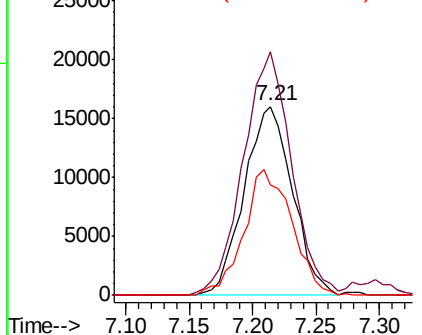
cis-1,2-Dichloroethene
 Concen: 19.311 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	248.4
98	66.2	0.0	127.4



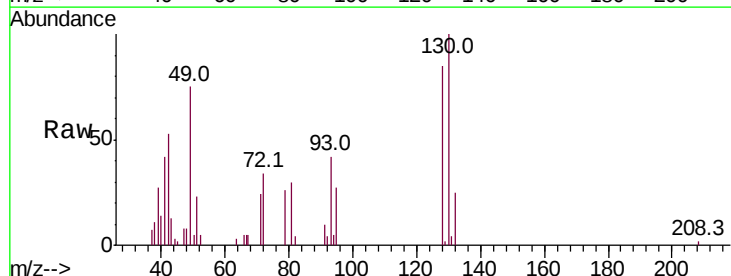
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



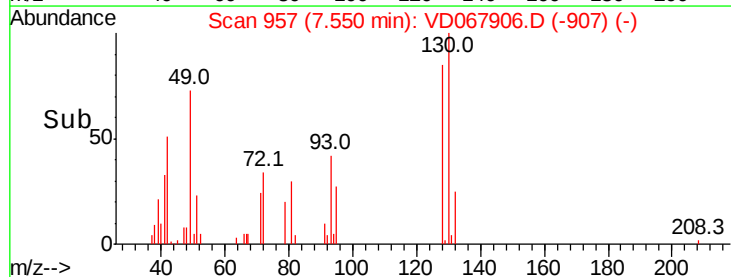
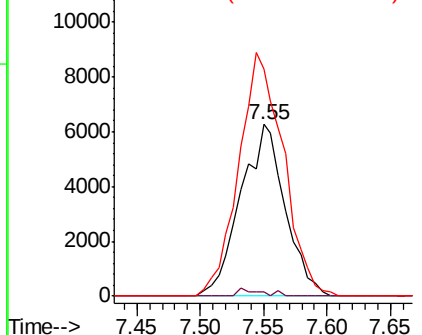
#28

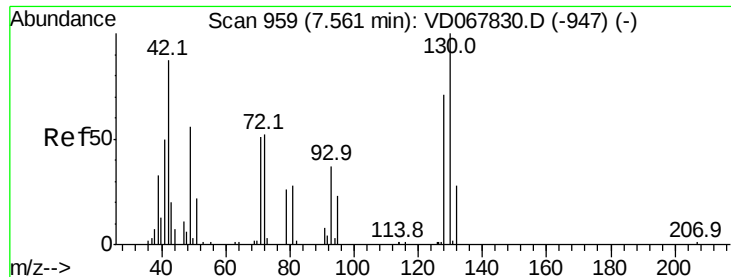
Bromochloromethane
 Concen: 16.728 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	142.0	110.2	165.2



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

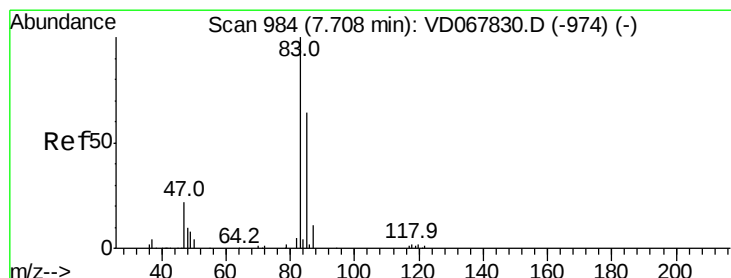
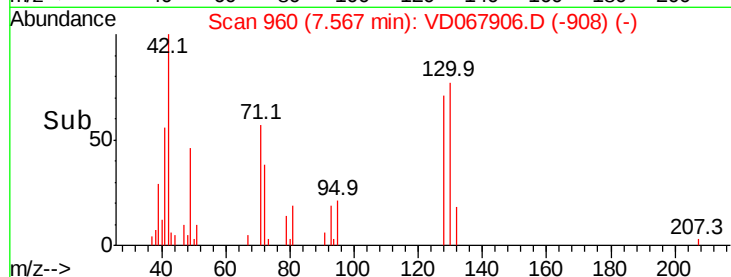
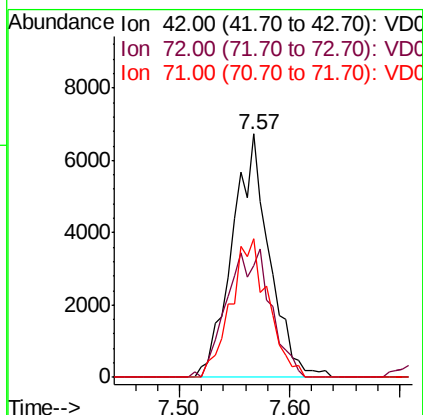
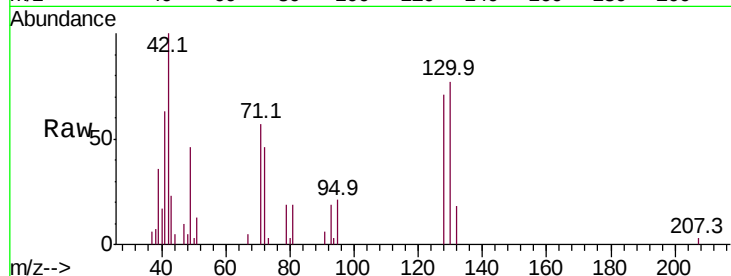




#29
Tetrahydrofuran
Concen: 93.932 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

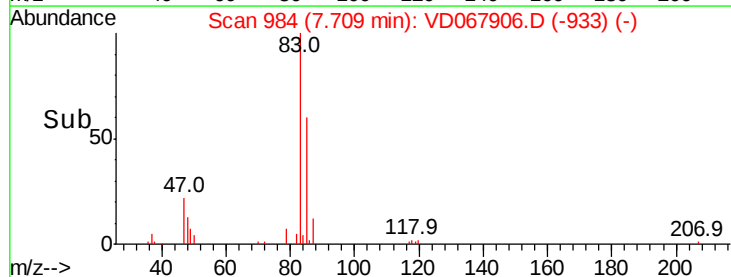
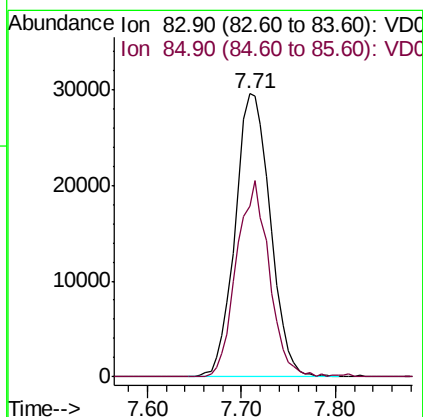
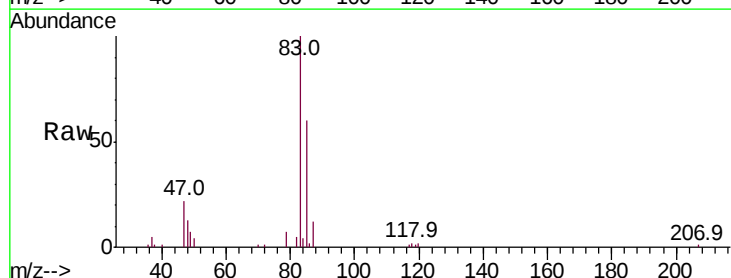
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

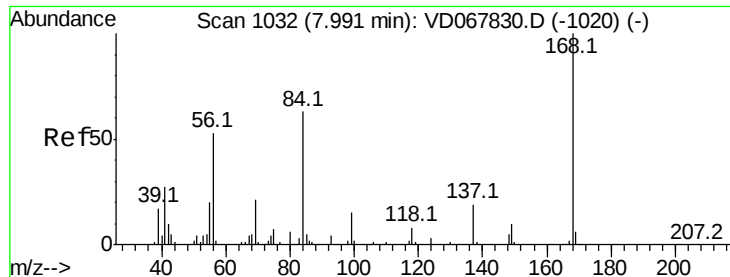
Tot Ion: 42 Resp: 15895
Ion Ratio Lower Upper
42 100
72 61.8 51.9 77.9
71 57.1 48.2 72.4



#30
Chloroform
Concen: 19.909 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion: 83 Resp: 76592
Ion Ratio Lower Upper
83 100
85 60.4 51.0 76.4

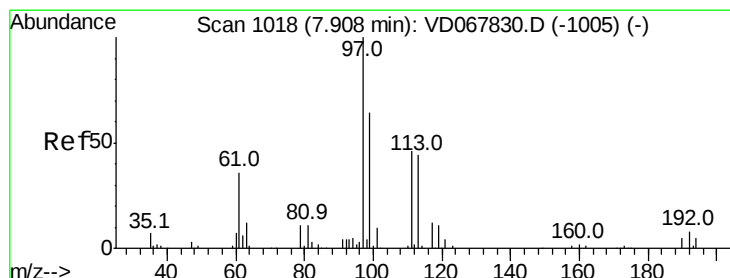
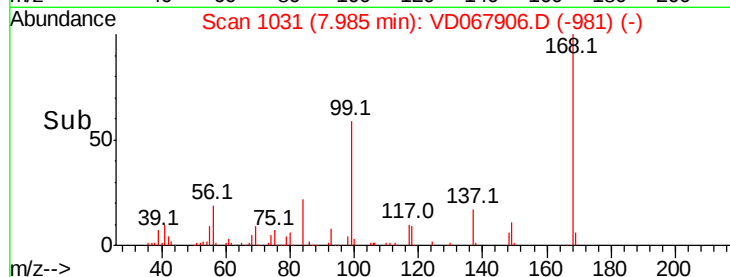
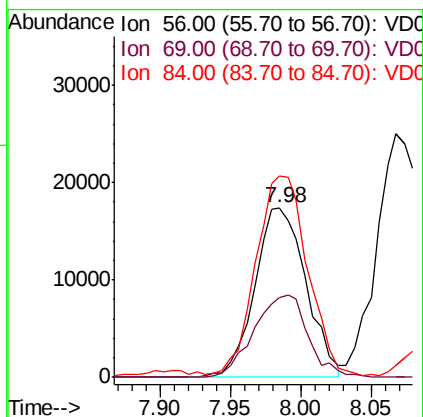
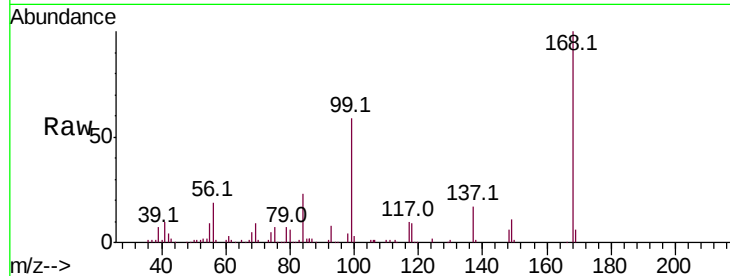




#31
Cyclohexane
Concen: 18.377 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

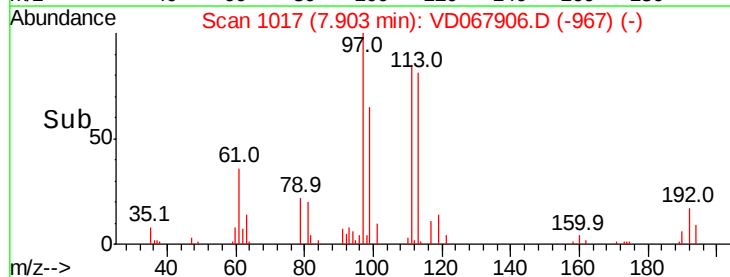
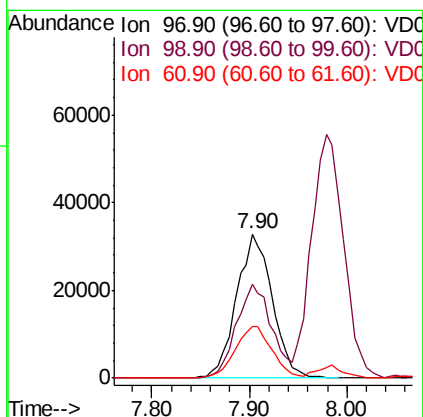
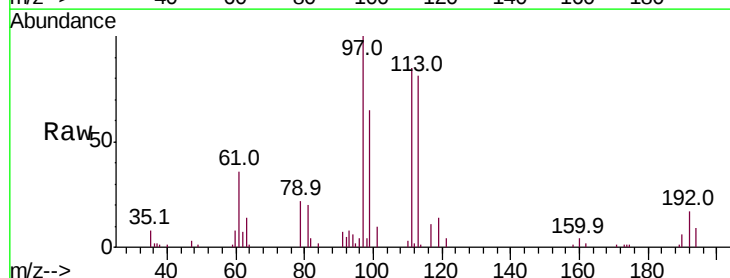
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

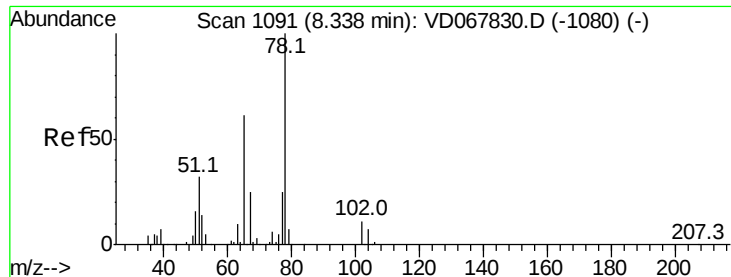
Tot Ion: 56 Resp: 44271
Ion Ratio Lower Upper
56 100
69 47.0 32.1 48.1
84 117.4 93.2 139.8



#32
1,1,1-Trichloroethane
Concen: 20.617 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion: 97 Resp: 83727
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.2
61 36.8 30.8 46.2

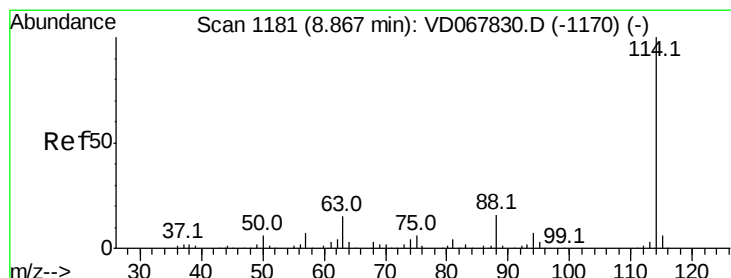
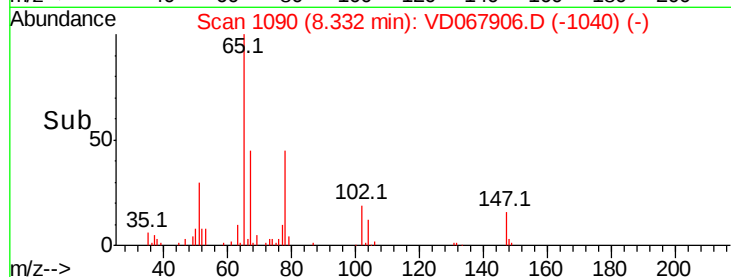
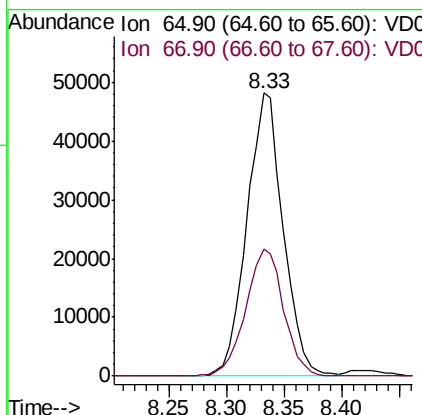
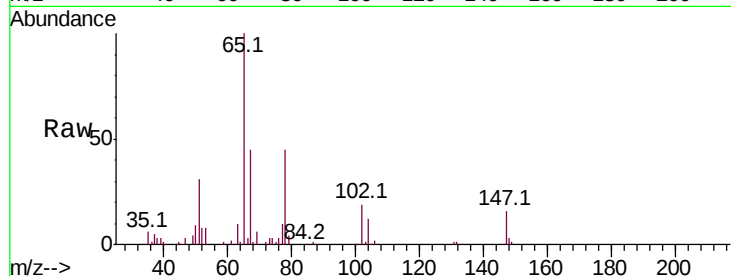




#33
 1,2-Dichloroethane-d4
 Concen: 46.081 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

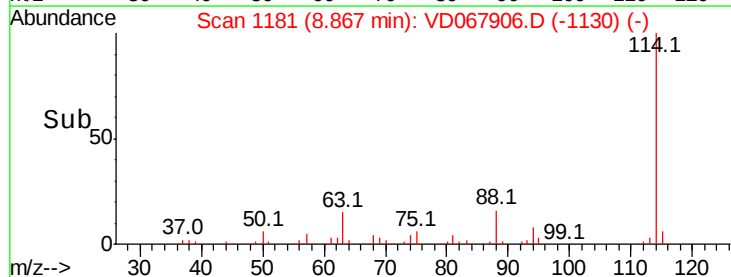
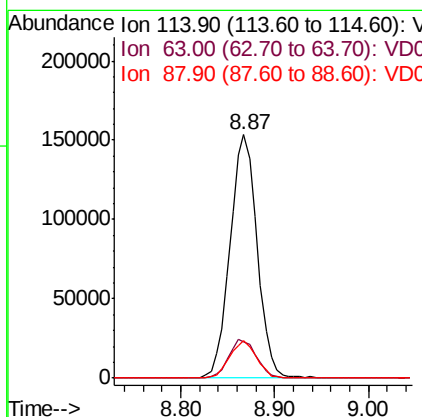
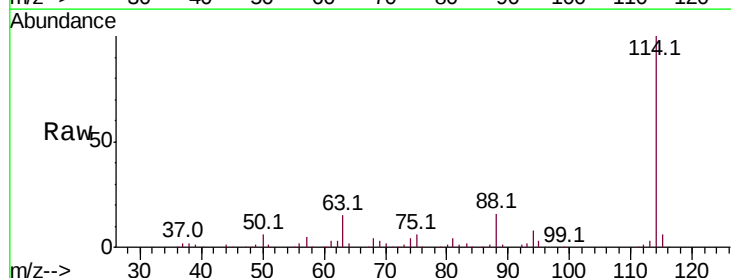
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

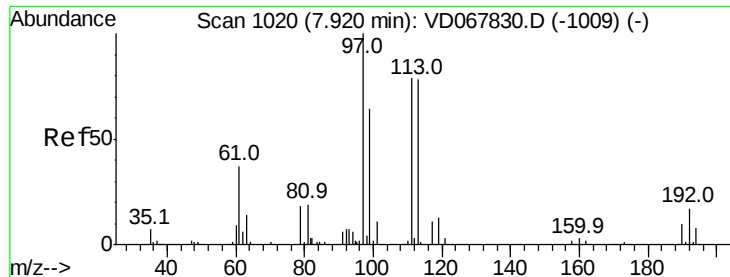
Tot Ion: 65 Resp: 105370
 Ion Ratio Lower Upper
 65 100
 67 46.8 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion: 114 Resp: 306969
 Ion Ratio Lower Upper
 114 100
 63 14.9 0.0 30.8
 88 15.6 0.0 31.8

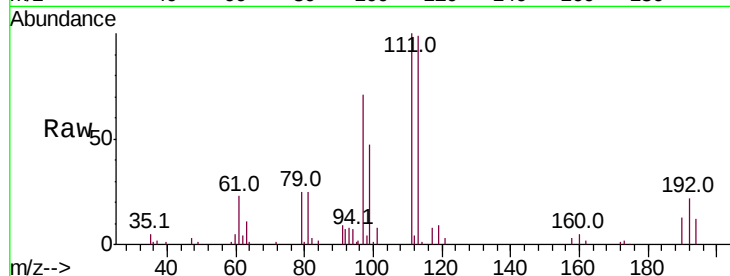




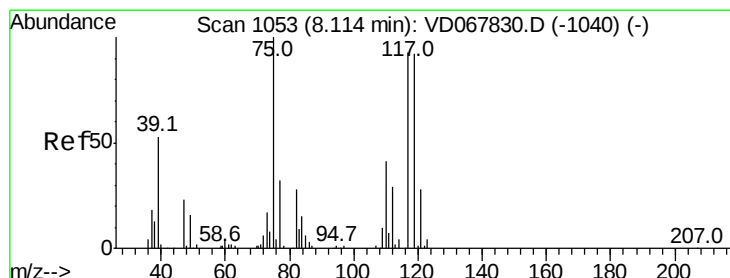
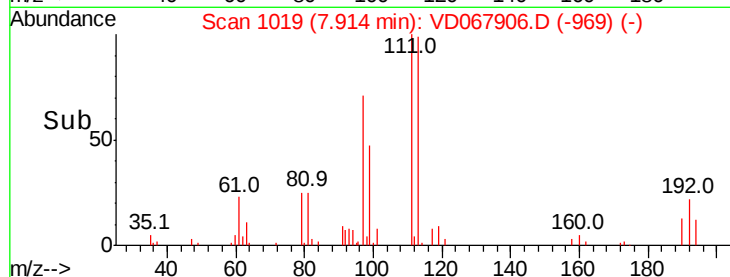
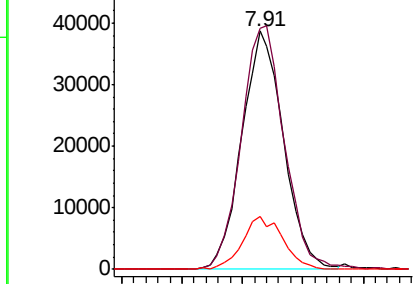
#35
 Dibromofluoromethane
 Concen: 45.183 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Tot Ion:113 Resp: 92808
 Ion Ratio Lower Upper
 113 100
 111 105.1 81.2 121.8
 192 21.5 16.8 25.2

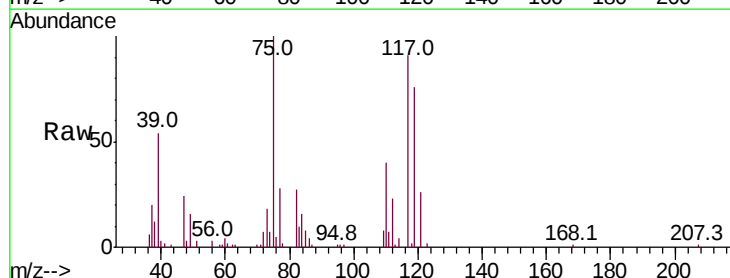


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

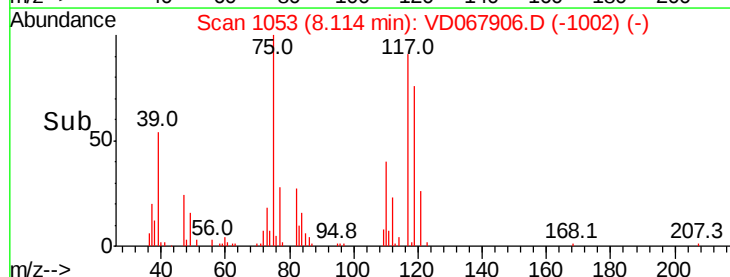
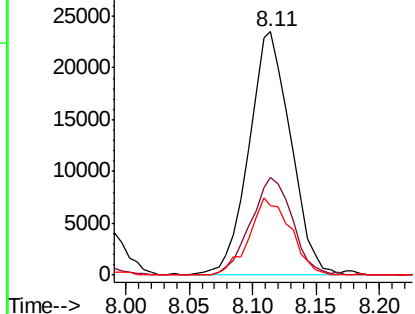


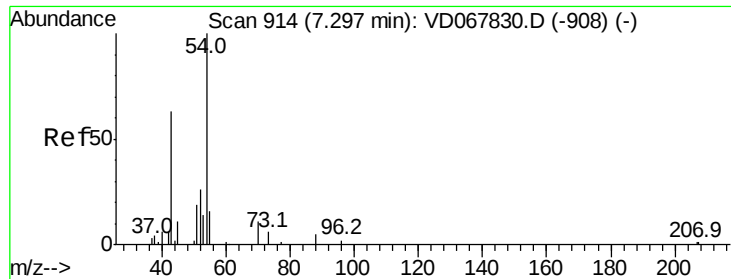
#36
 1,1-Dichloropropene
 Concen: 20.341 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion: 75 Resp: 54055
 Ion Ratio Lower Upper
 75 100
 110 40.0 20.3 61.0
 77 31.4 24.7 37.1



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

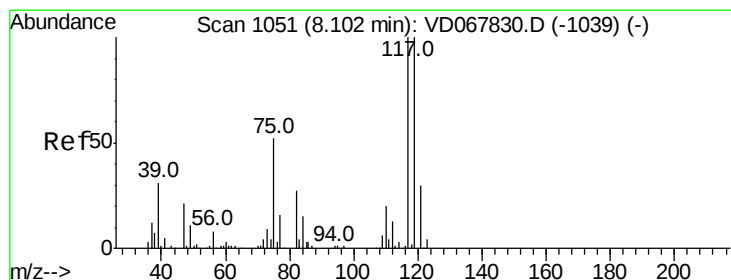
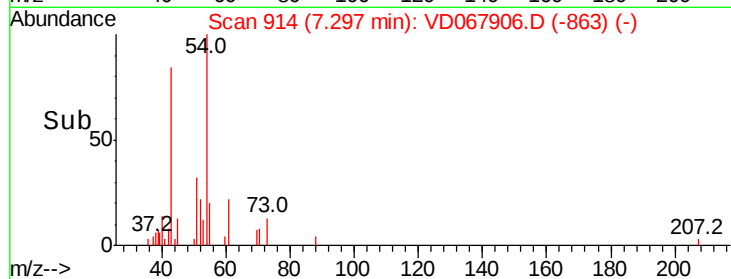
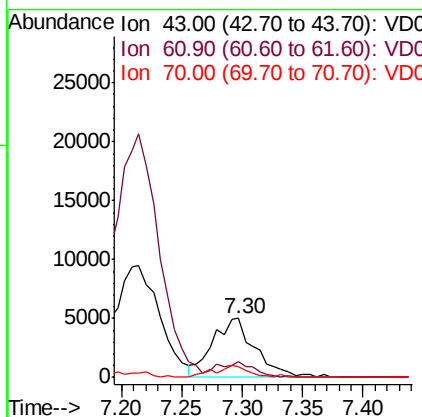
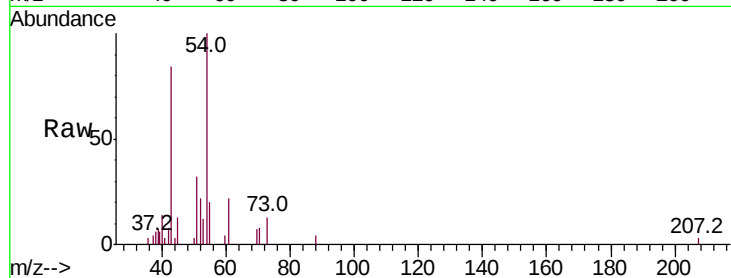




#37
Ethyl Acetate
Concen: 17.084 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

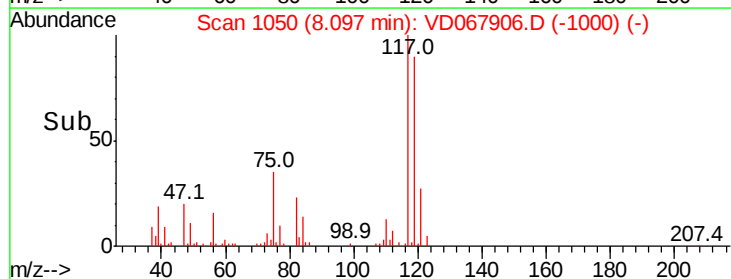
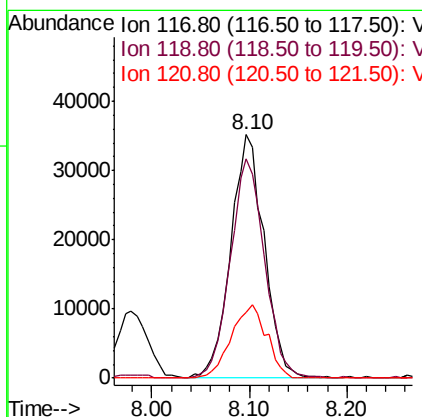
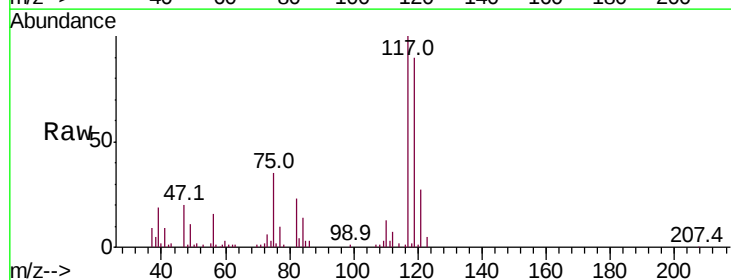
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

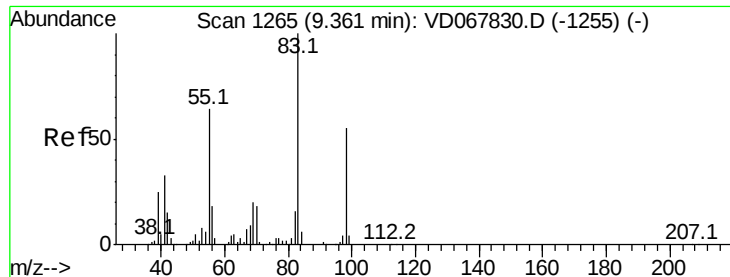
Tot Ion: 43 Resp: 12236
Ion Ratio Lower Upper
43 100
61 22.7 11.4 17.2#
70 16.2 11.5 17.3



#38
Carbon Tetrachloride
Concen: 20.798 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion: 117 Resp: 83624
Ion Ratio Lower Upper
117 100
119 90.2 79.7 119.5
121 27.2 23.8 35.6

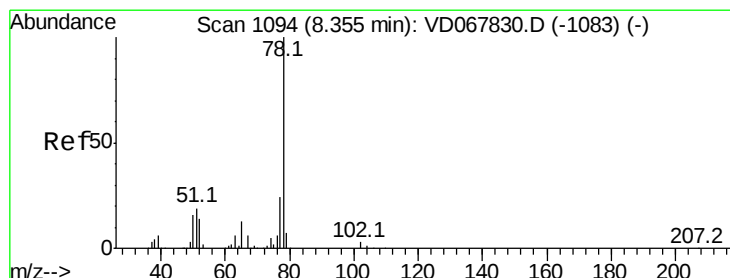
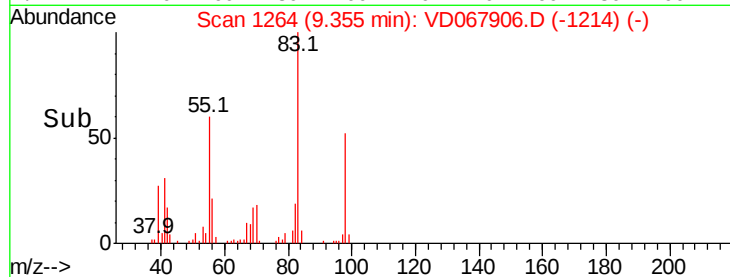
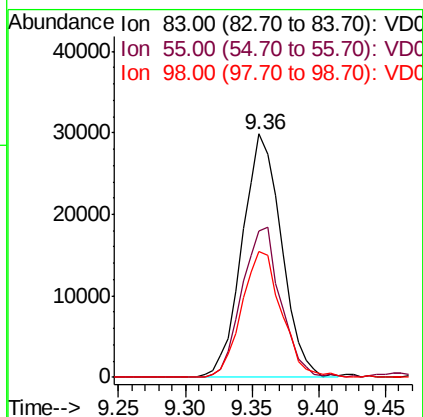
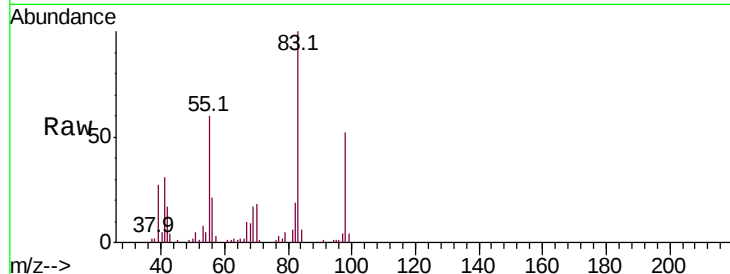




#39
Methvlcvclohexane
Concen: 19.310 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

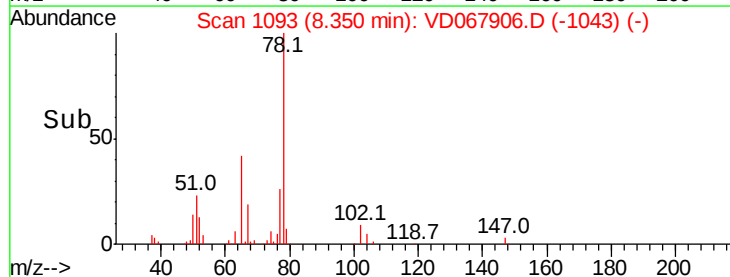
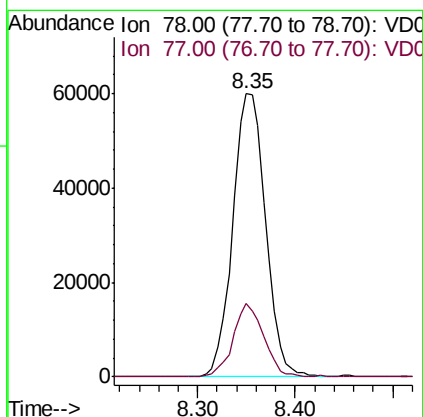
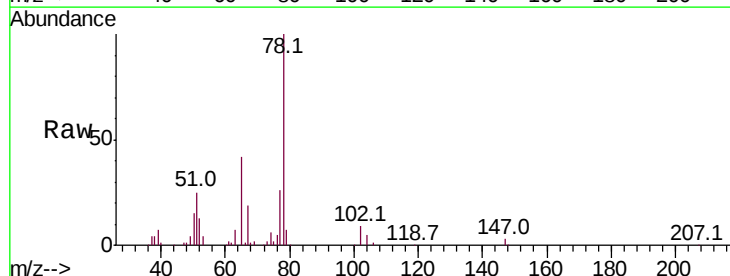
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

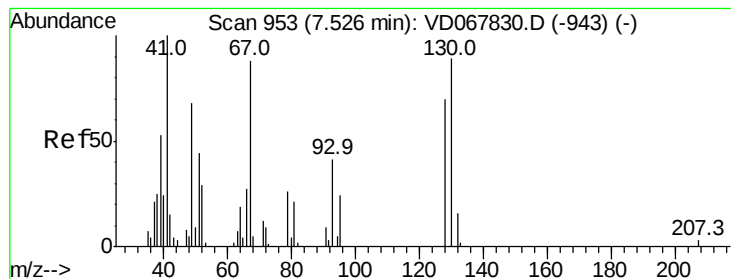
Tot Ion	83	Resp	60809
Ion Ratio	100		
Lower	51.6		
Upper	77.4		
83	100		
55	60.2	51.6	77.4
98	51.6	44.3	66.5



#40
Benzene
Concen: 19.329 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion	78	Resp	140546
Ion Ratio	100		
Lower	19.1		
Upper	28.7		
78	100		
77	26.2	19.1	28.7





#41

Methacrylonitrile

Concen: 14.924 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 41 Resp: 6144

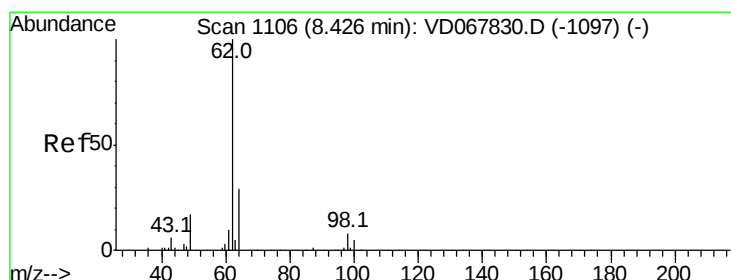
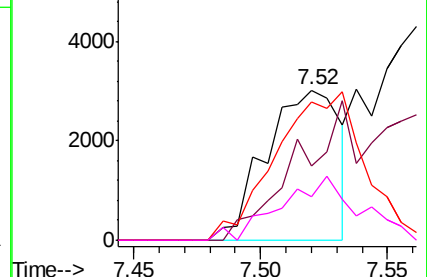
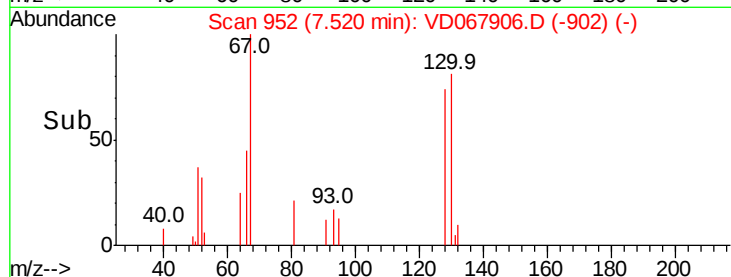
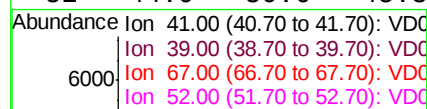
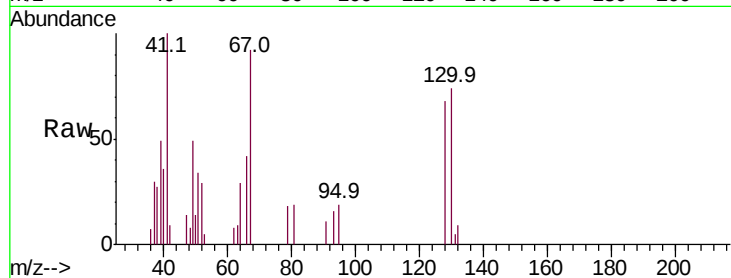
Ion Ratio Lower Upper

41 100

39 71.3 42.1 63.1#

67 119.0 82.4 123.6

52 44.9 30.6 45.8



#42

1,2-Dichloroethane

Concen: 19.781 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067906.D

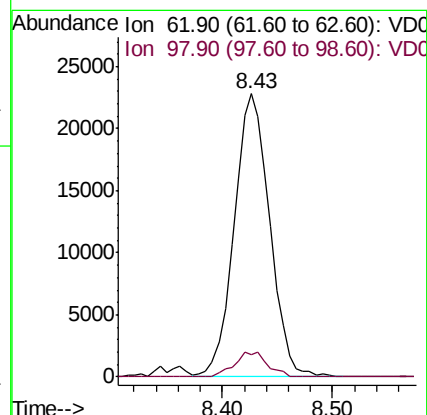
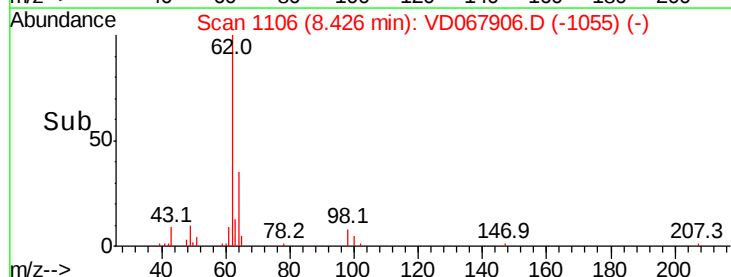
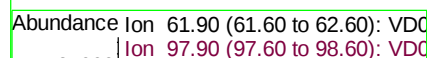
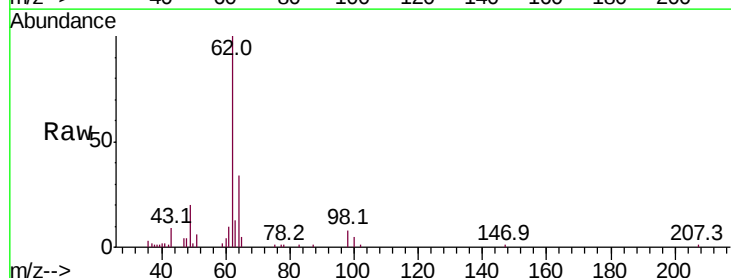
Acq: 08 Dec 2020 10:59

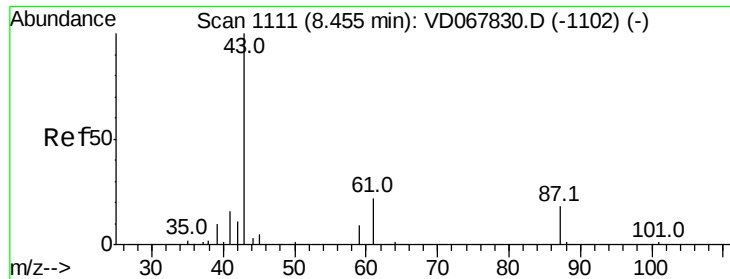
Tgt Ion: 62 Resp: 51263

Ion Ratio Lower Upper

62 100

98 8.2 0.0 17.2





#43

Isopropyl Acetate

Concen: 17.343 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

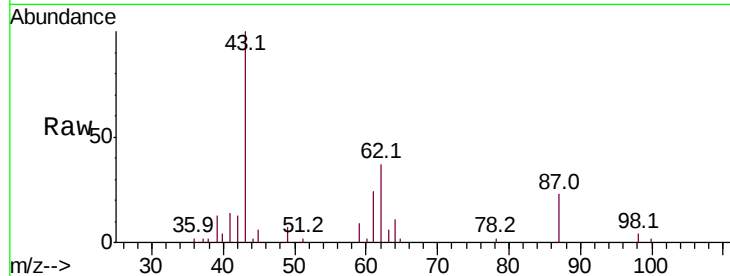
Tot Ion: 43 Resp: 24440

Ion Ratio Lower Upper

43 100

61 42.1 30.4 45.6

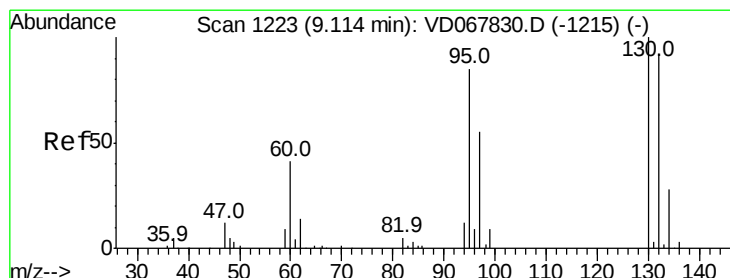
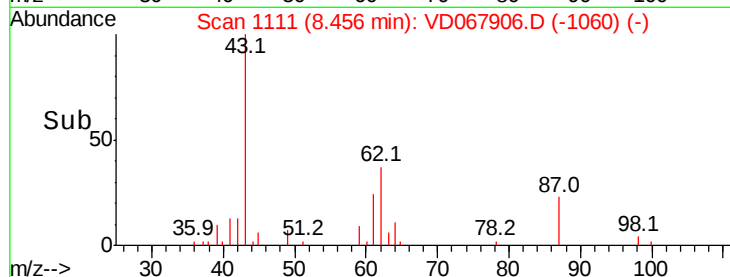
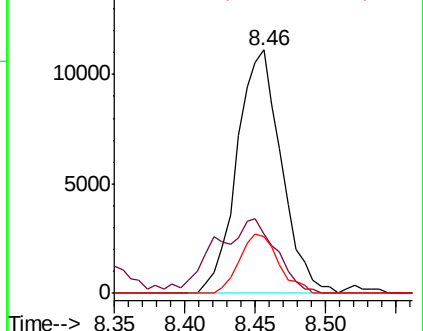
87 21.4 16.2 24.2



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: 20.407 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067906.D

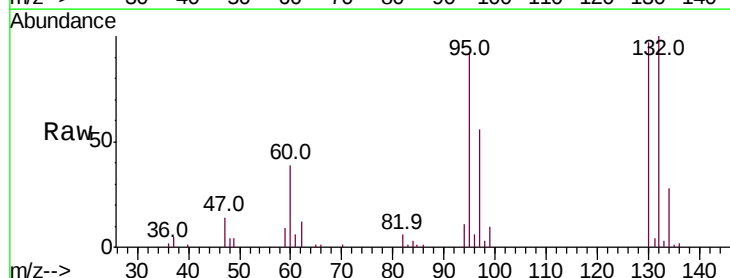
Acq: 08 Dec 2020 10:59

Tgt Ion:130 Resp: 51017

Ion Ratio Lower Upper

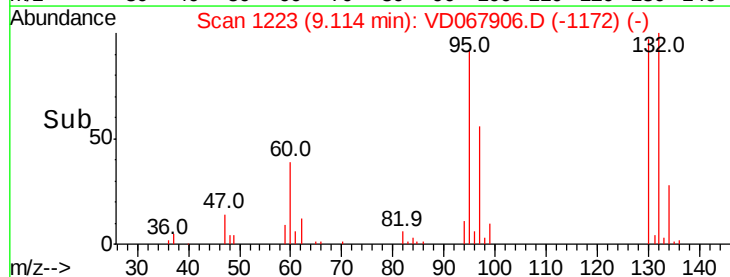
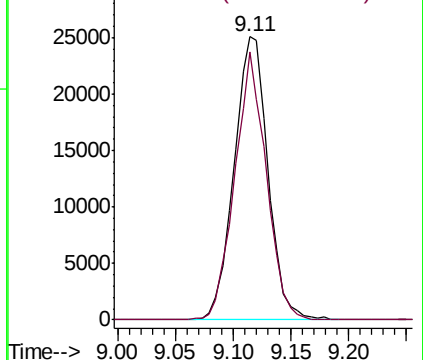
130 100

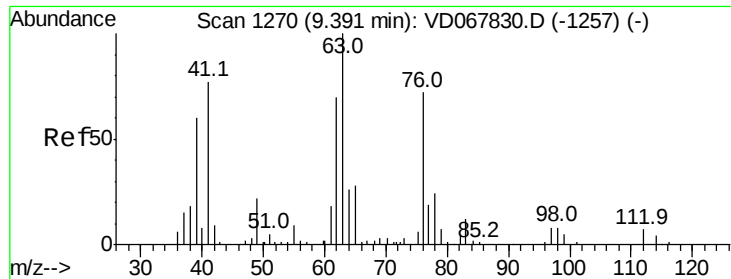
95 94.6 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.569 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

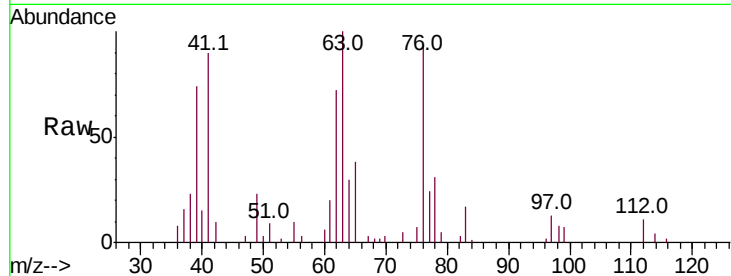
VD1208SBS01

Tot Ion: 63 Resp: 26220

Ion Ratio Lower Upper

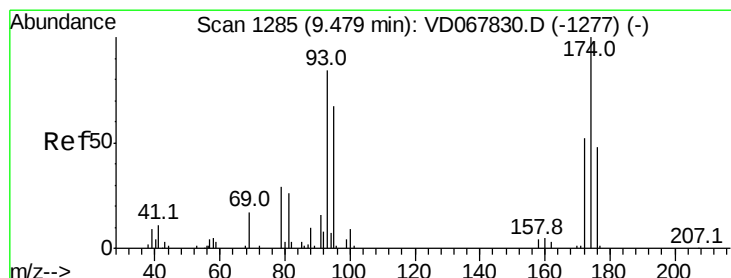
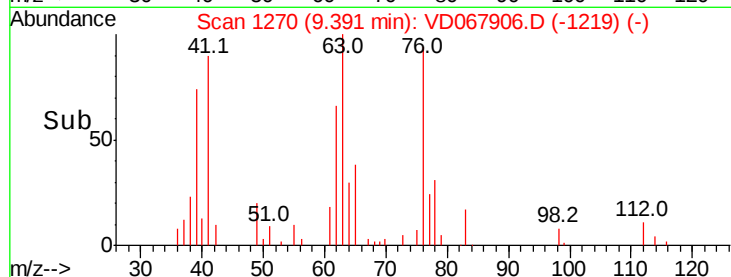
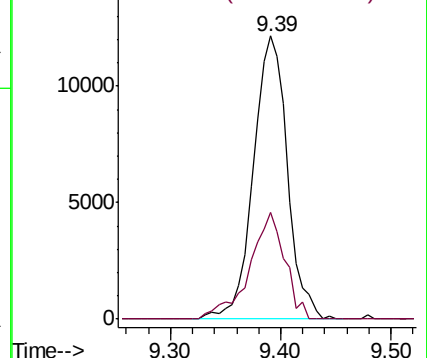
63 100

65 37.9 22.8 34.2#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.517 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

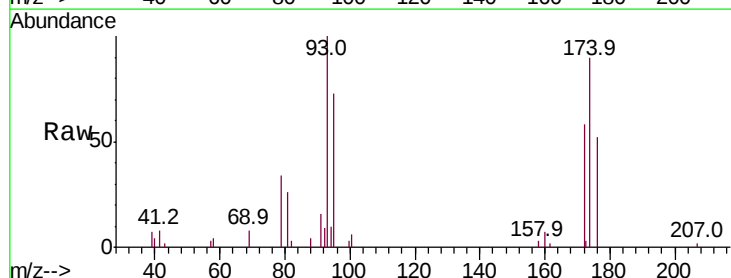
Tgt Ion: 93 Resp: 20252

Ion Ratio Lower Upper

93 100

95 78.1 64.2 96.4

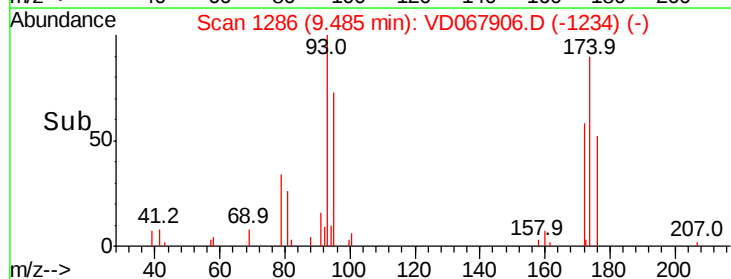
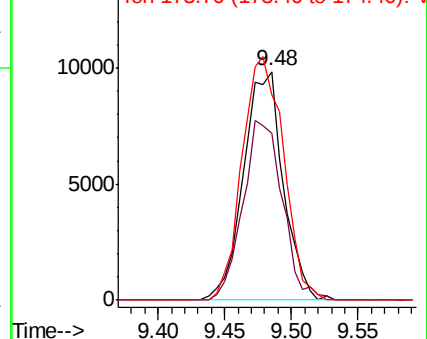
174 111.3 91.5 137.3

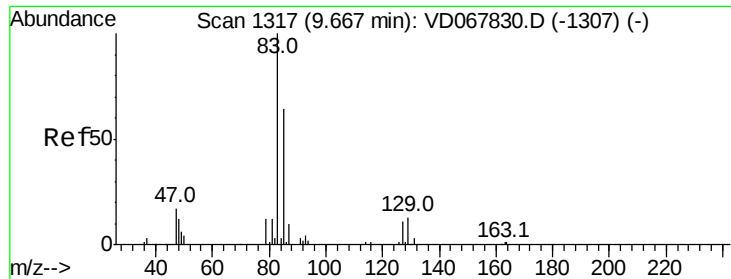


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.975 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

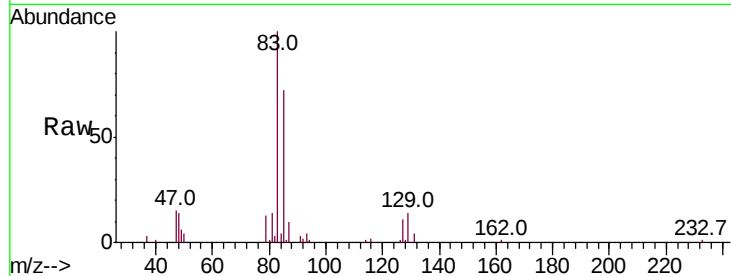
Tot Ion: 83 Resp: 56131

Ion Ratio Lower Upper

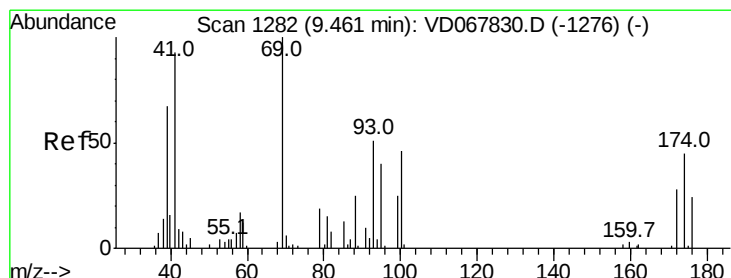
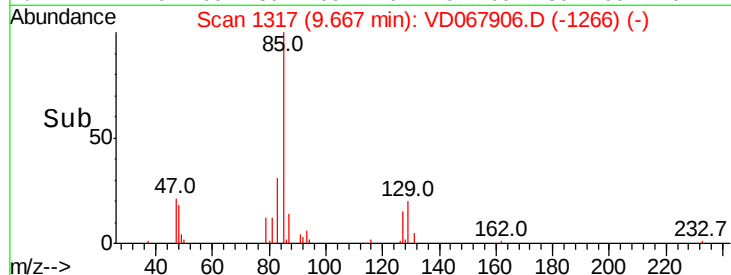
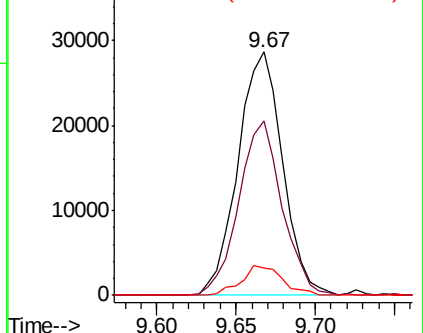
83 100

85 71.6 51.4 77.0

127 11.1 8.5 12.7



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: 17.871 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

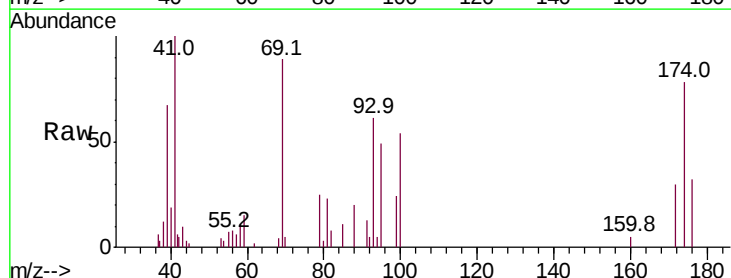
Tgt Ion: 41 Resp: 12788

Ion Ratio Lower Upper

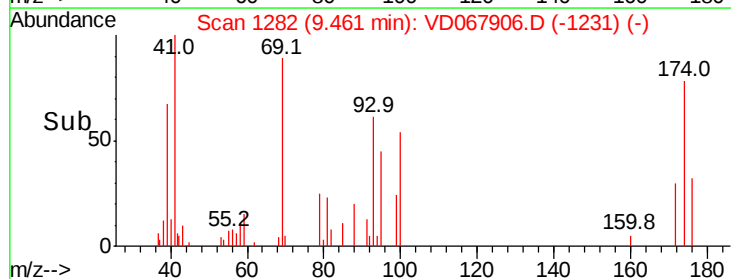
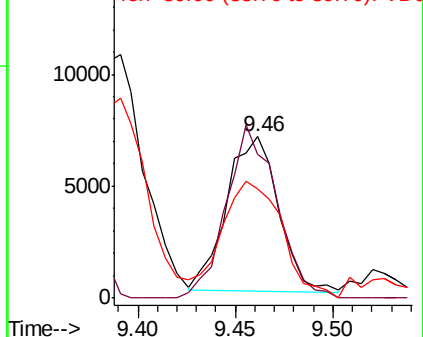
41 100

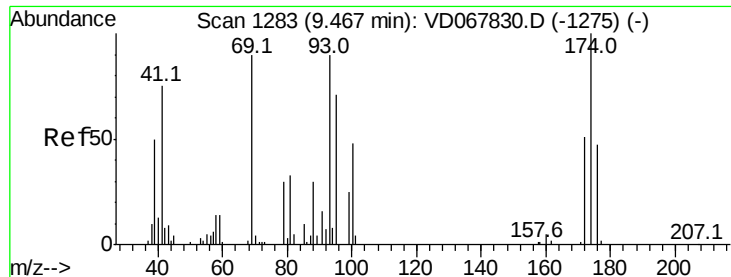
69 108.0 87.6 131.4

39 87.8 61.2 91.8



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: 303.796 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

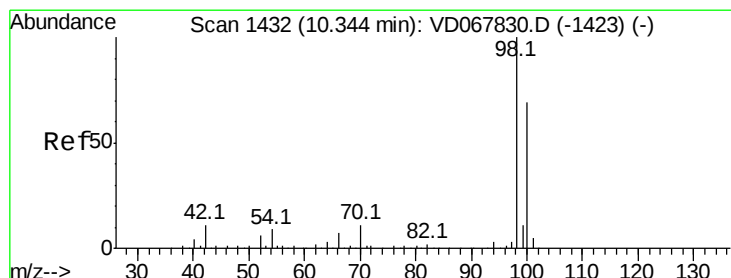
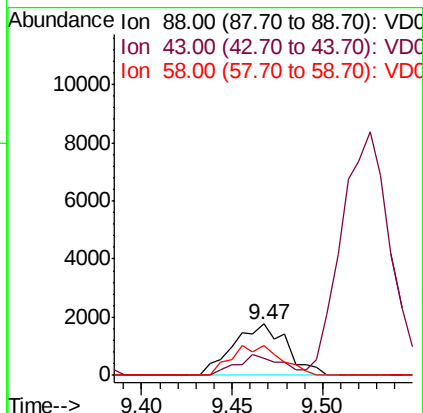
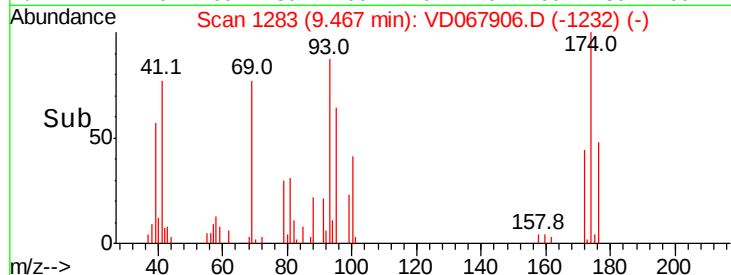
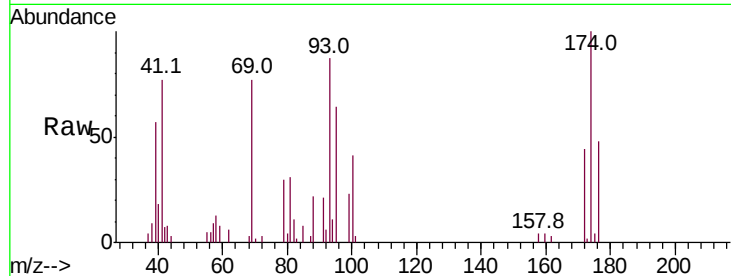
Tot Ion: 88 Resp: 3602

Ion Ratio Lower Upper

88 100

43 32.6 30.1 45.1

58 54.1 42.4 63.6



#50

Toluene-d8

Concen: 47.782 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067906.D

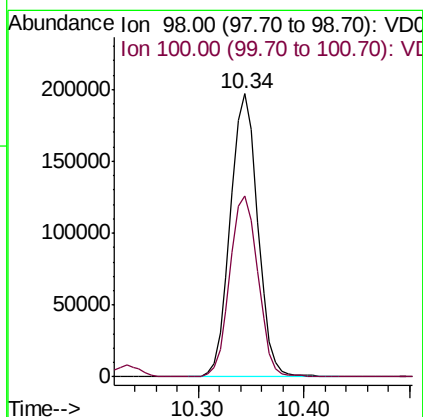
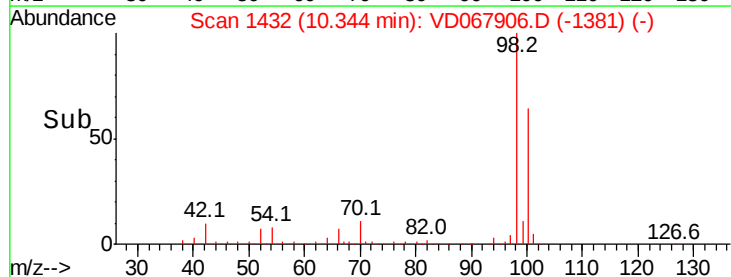
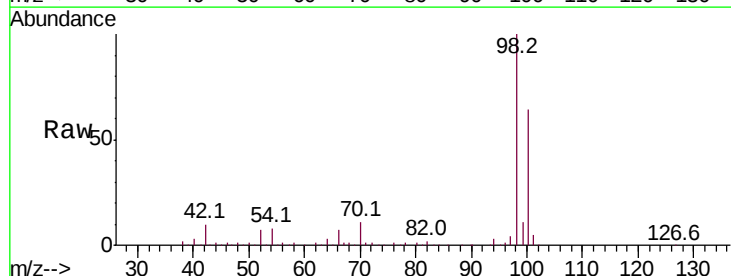
Acq: 08 Dec 2020 10:59

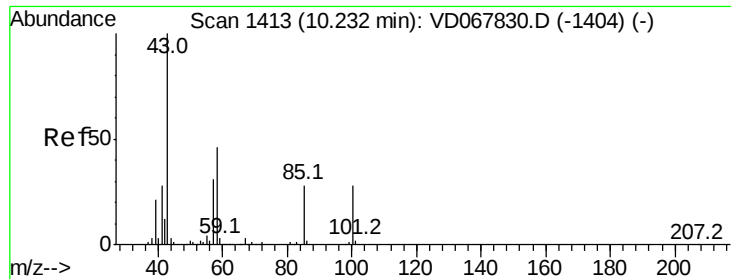
Tgt Ion: 98 Resp: 353309

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 85.016 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

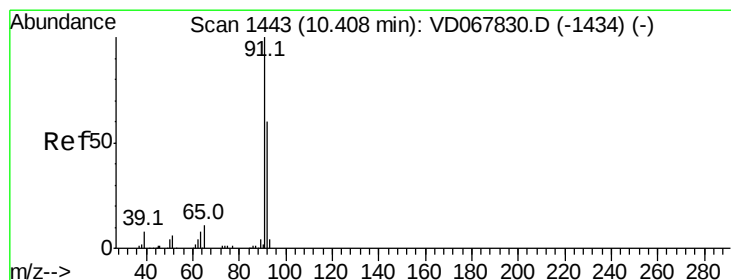
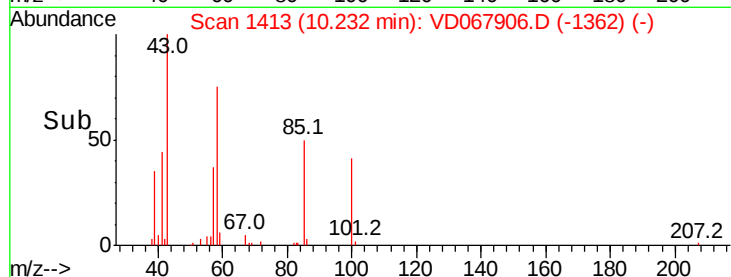
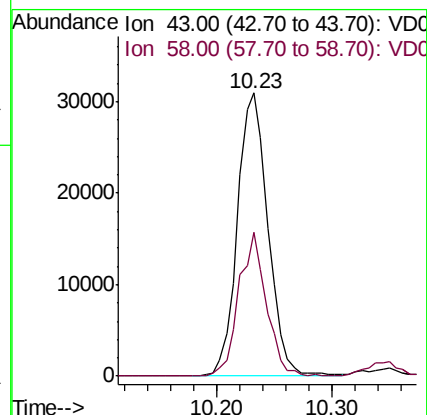
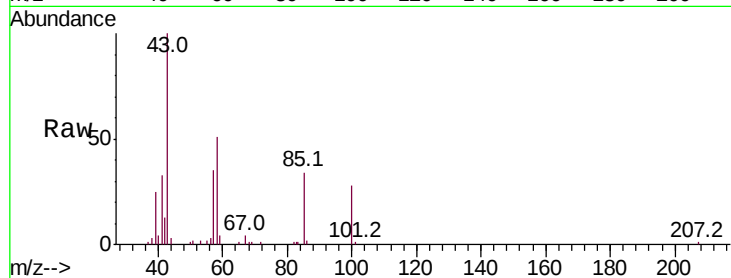
VD1208SBS01

Tot Ion: 43 Resp: 56703

Ion Ratio Lower Upper

43 100

58 45.5 35.7 53.5



#52

Toluene

Concen: 19.514 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067906.D

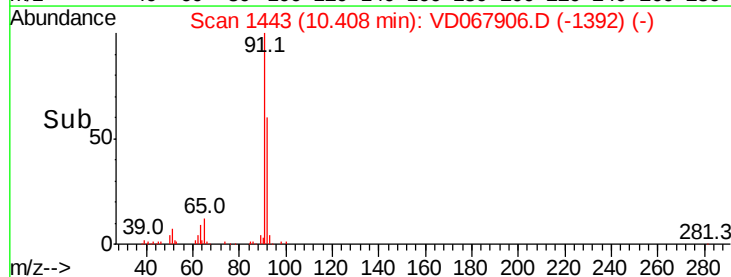
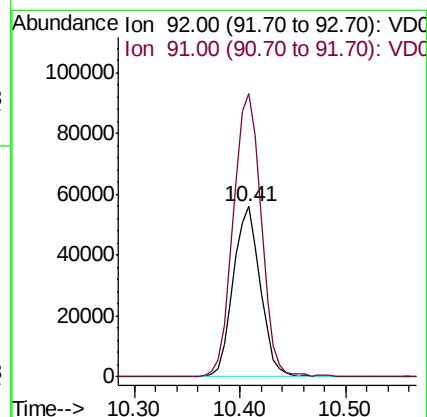
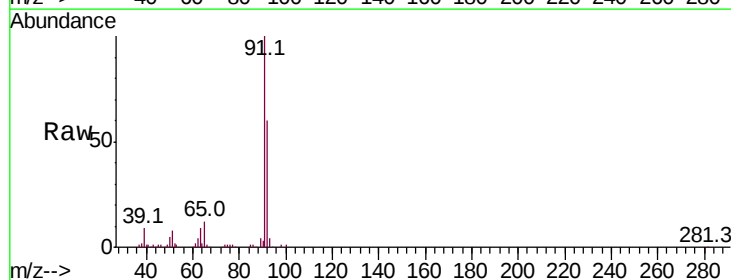
Acq: 08 Dec 2020 10:59

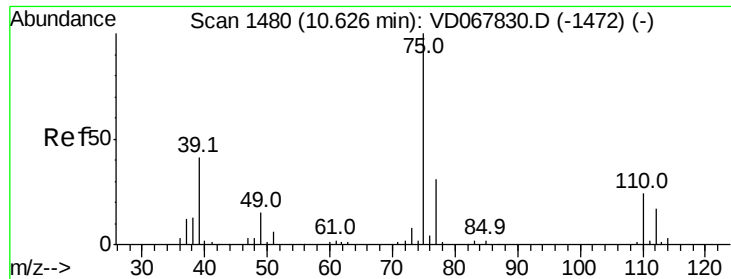
Tgt Ion: 92 Resp: 99207

Ion Ratio Lower Upper

92 100

91 171.3 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 18.269 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

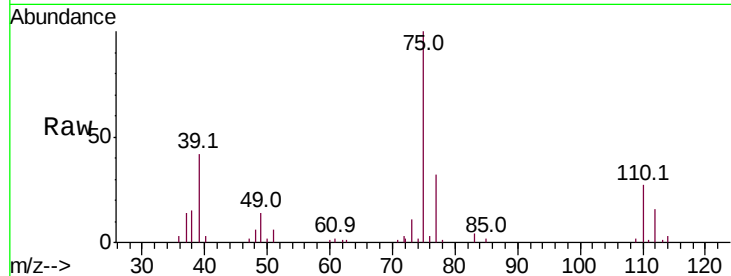
VD1208SBS01

Tot Ion: 75 Resp: 46645

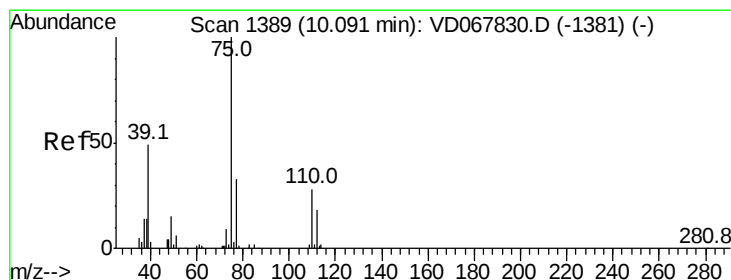
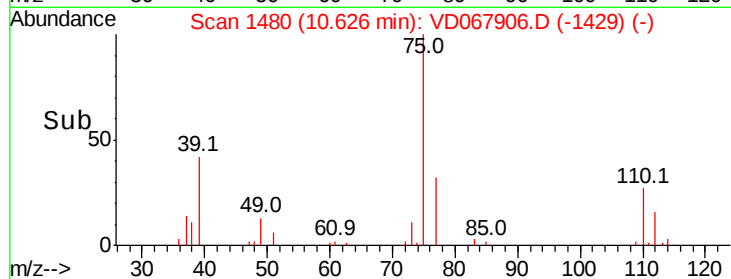
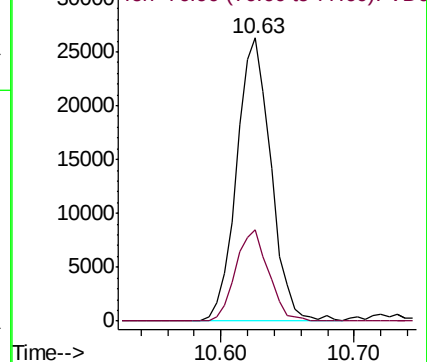
Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.074 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

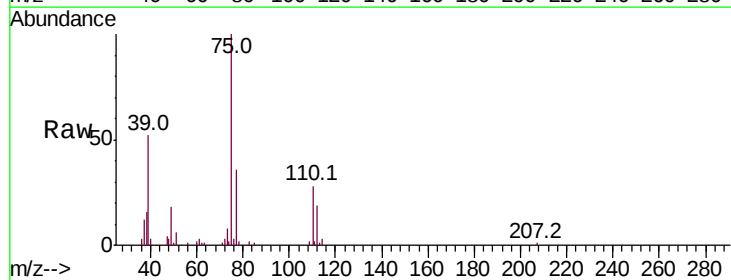
Tgt Ion: 75 Resp: 52974

Ion Ratio Lower Upper

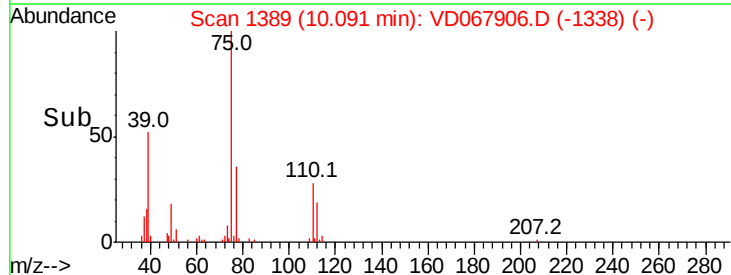
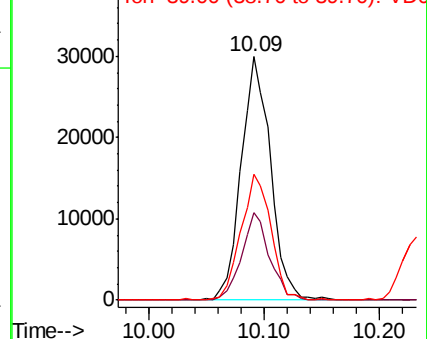
75 100

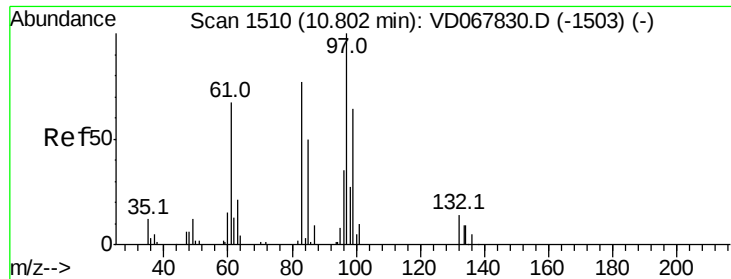
77 36.1 26.2 39.2

39 51.8 39.0 58.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 76.90 (76.60 to 77.60): VDC
Ion 39.00 (38.70 to 39.70): VDC

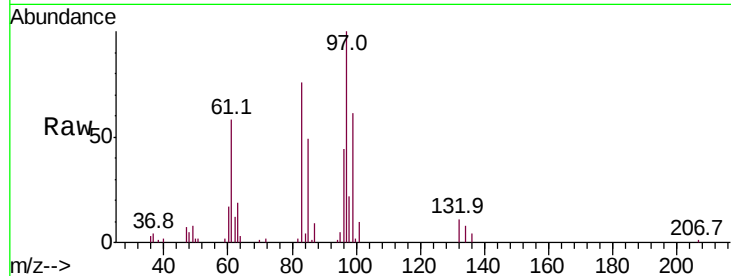




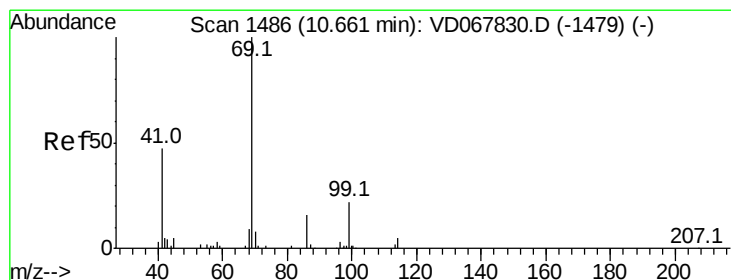
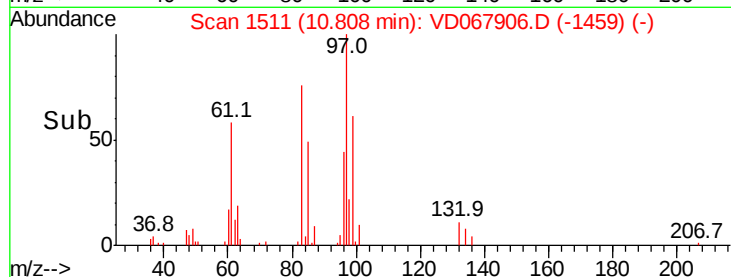
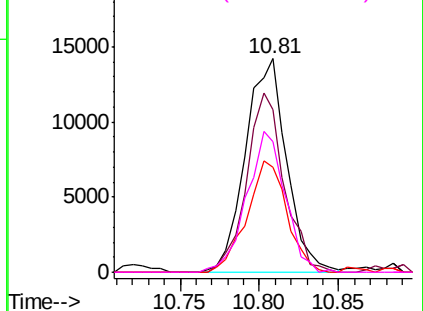
#55
 1,1,2-Trichloroethane
 Concen: 18.083 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	76.1	61.9	92.9
85	48.9	40.2	60.4
99	61.4	51.0	76.6

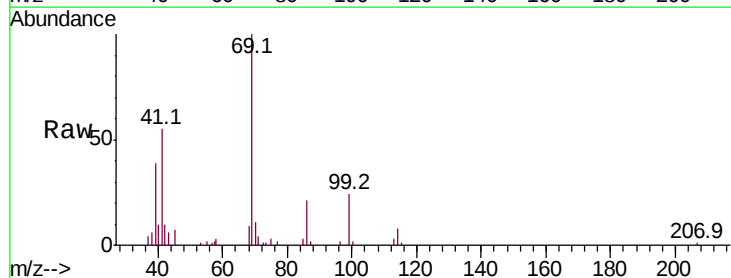


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

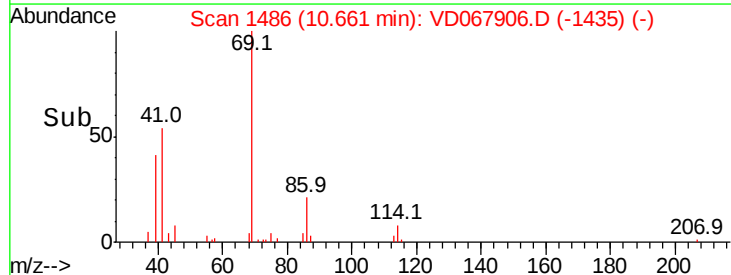
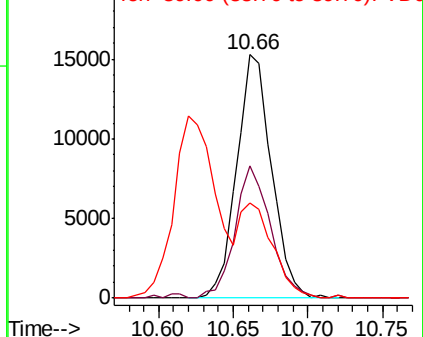


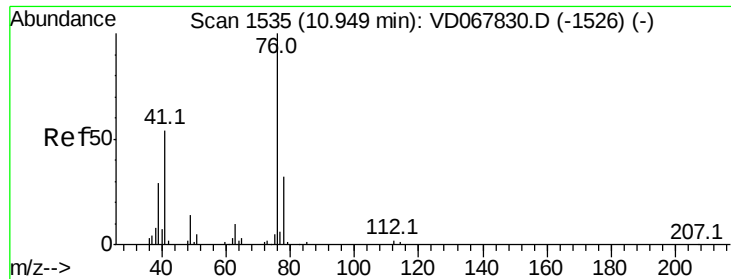
#56
 Ethyl methacrylate
 Concen: 17.147 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	55.4	42.8	64.2
39	37.4	30.5	45.7



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: 17.844 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

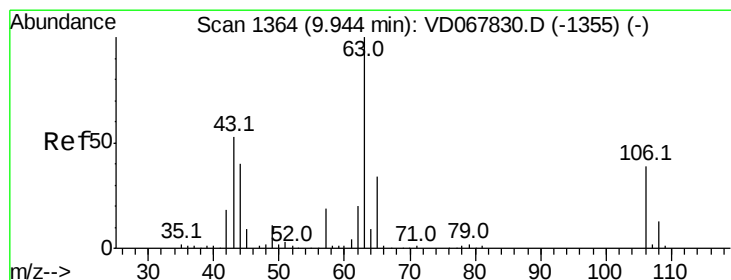
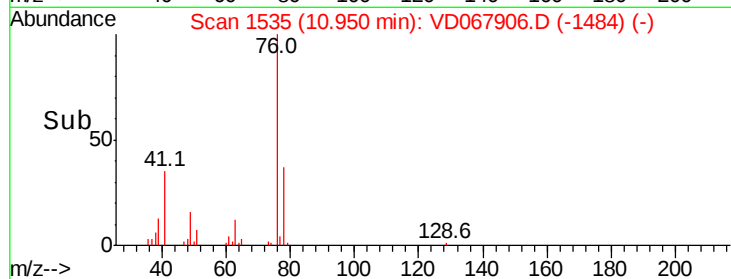
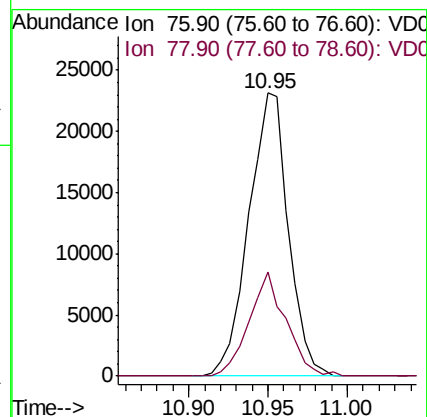
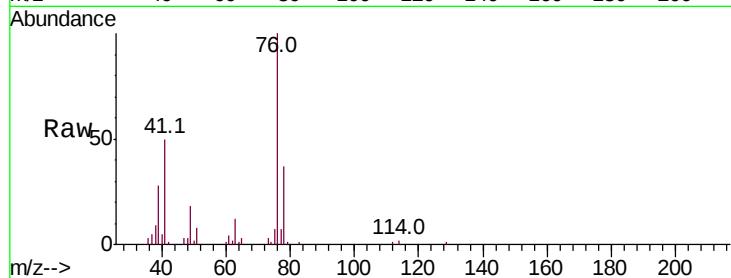
VD1208SBS01

Tot Ion: 76 Resp: 40137

Ion Ratio Lower Upper

76 100

78 34.2 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 78.805 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067906.D

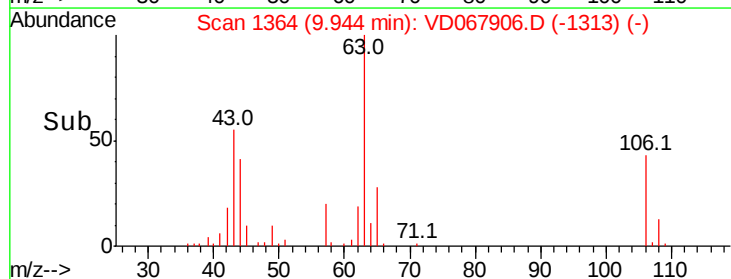
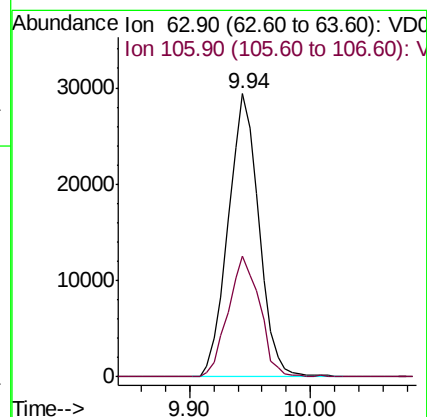
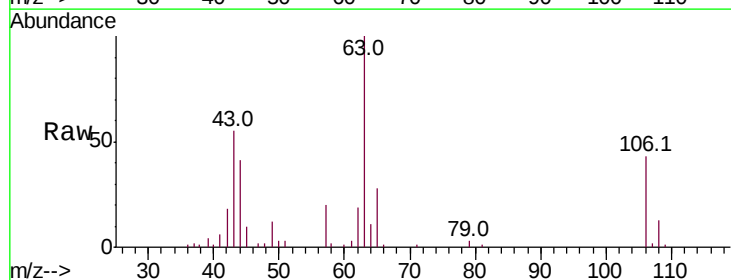
Acq: 08 Dec 2020 10:59

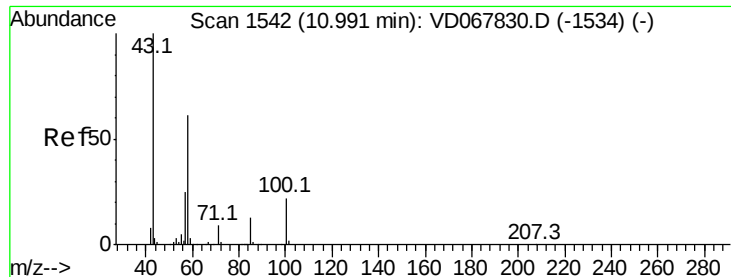
Tgt Ion: 63 Resp: 51809

Ion Ratio Lower Upper

63 100

106 44.0 32.0 48.0





#59

2-Hexanone

Concen: 83.447 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

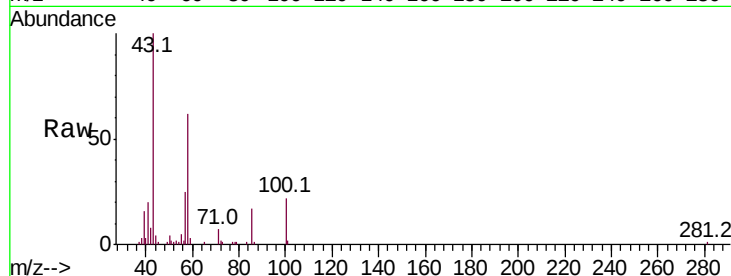
VD1208SBS01

Tot Ion: 43 Resp: 39235

Ion Ratio Lower Upper

43 100

58 59.3 29.9 89.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

25000

20000

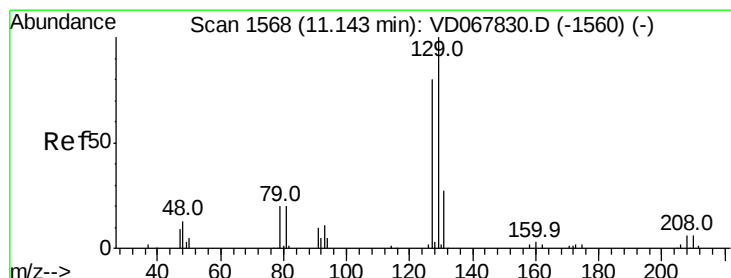
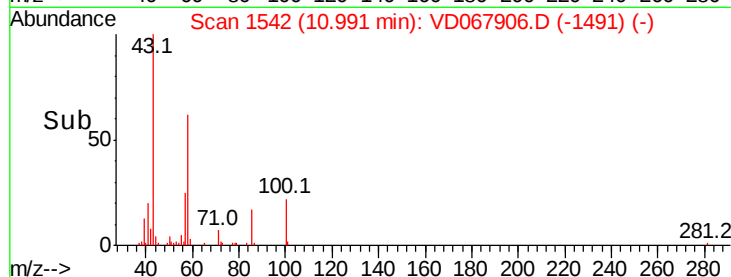
15000

10000

5000

0

Time--> 10.90 10.95 11.00 11.05



#60

Dibromochloromethane

Concen: 19.472 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD067906.D

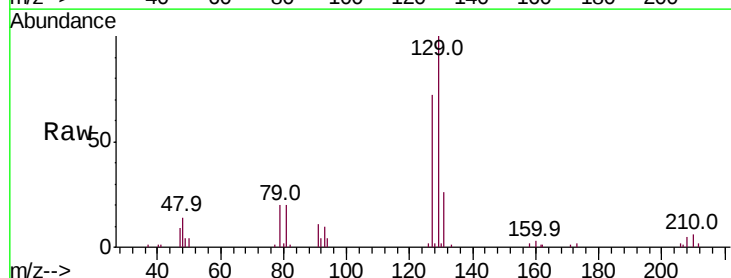
Acq: 08 Dec 2020 10:59

Tgt Ion: 129 Resp: 41681

Ion Ratio Lower Upper

129 100

127 76.0 39.2 117.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

25000

20000

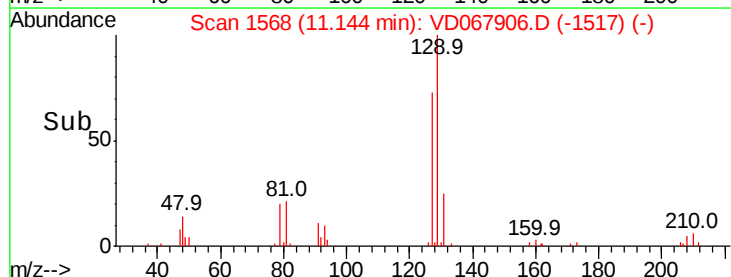
15000

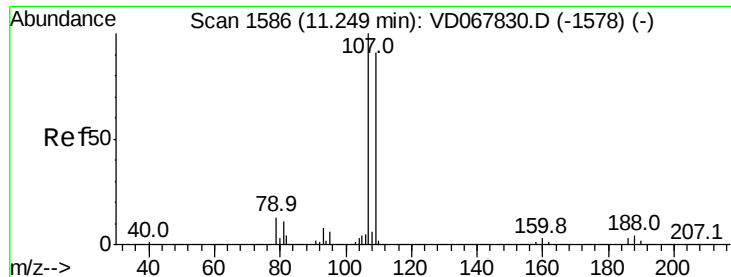
10000

5000

0

Time--> 11.05 11.10 11.15 11.20

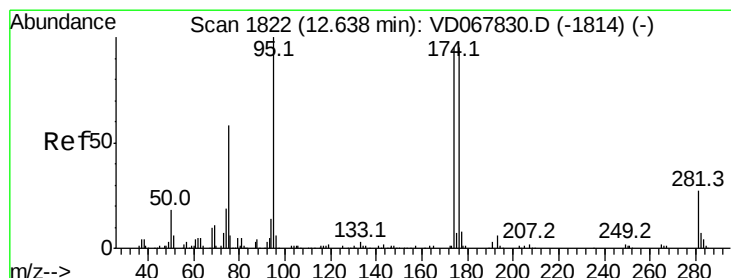
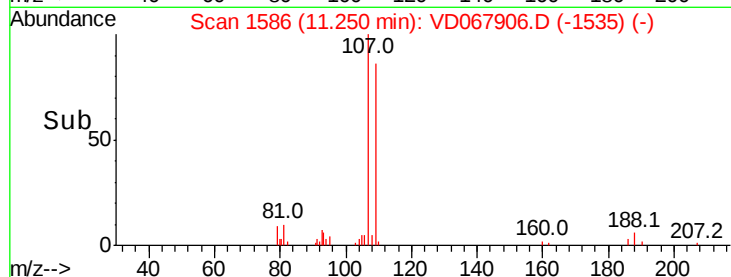
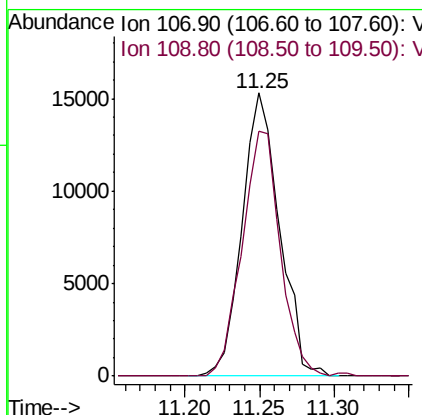
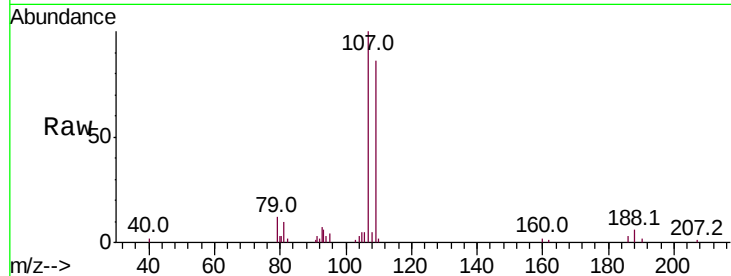




#61
 1,2-Dibromoethane
 Concen: 19.063 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

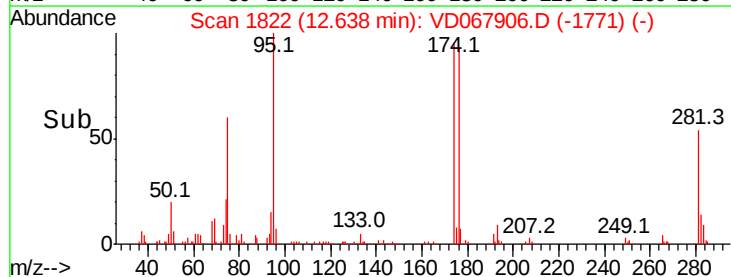
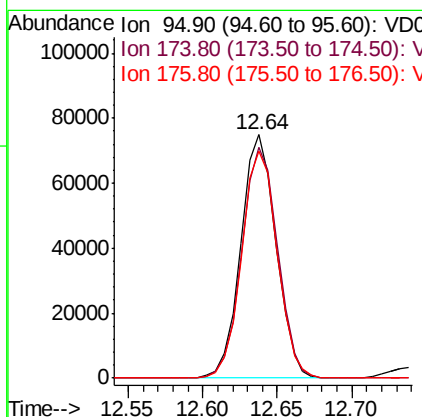
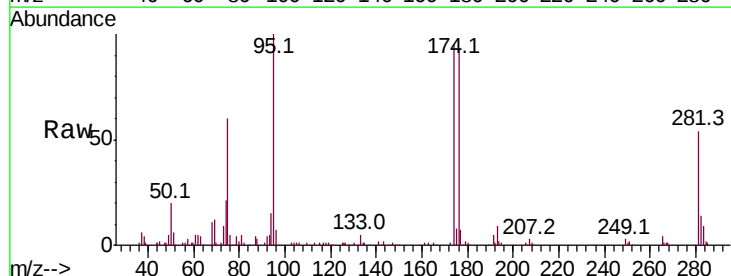
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

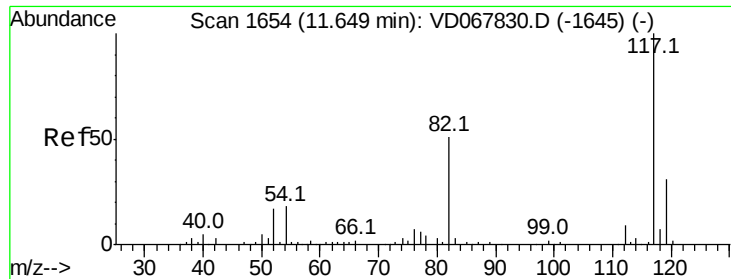
Tot Ion:107 Resp: 26620
 Ion Ratio Lower Upper
 107 100
 109 87.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 47.760 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion: 95 Resp: 122094
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 186.0
 176 94.1 0.0 184.2

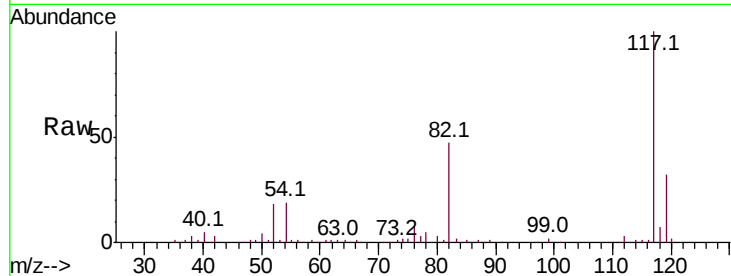




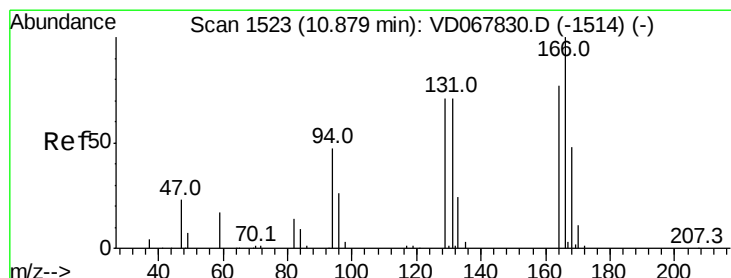
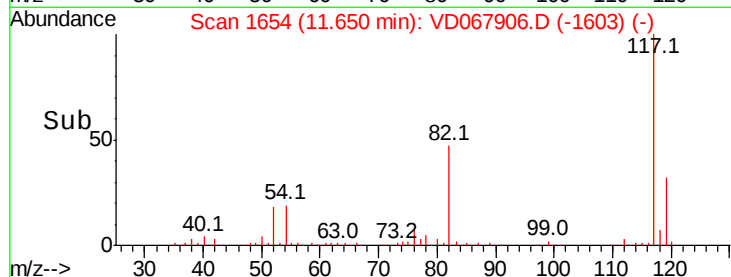
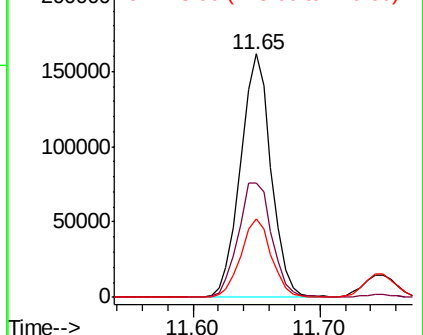
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion:117 Resp: 271033
Ion Ratio Lower Upper
117 100
82 46.8 40.6 60.8
119 32.1 25.1 37.7

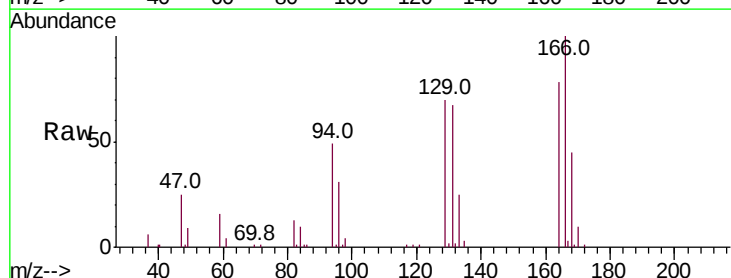


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

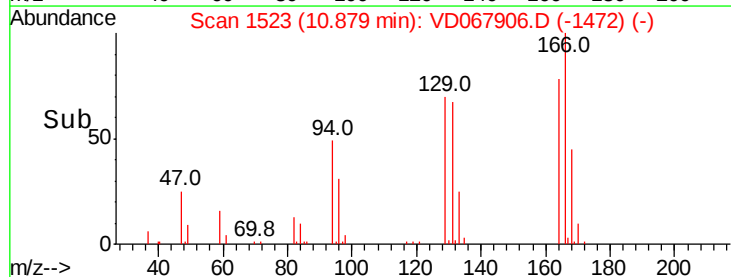
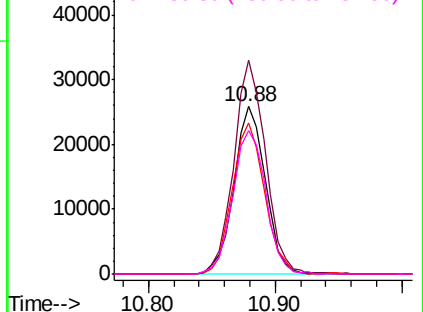


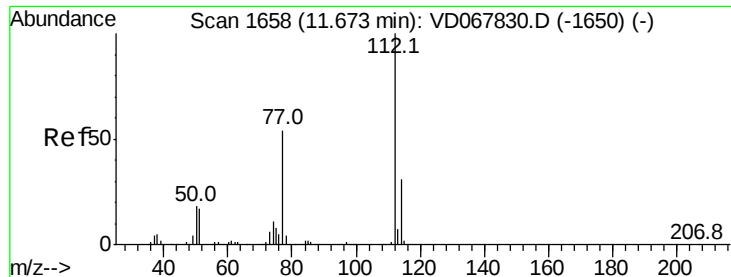
#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion:164 Resp: 44442
Ion Ratio Lower Upper
164 100
166 127.4 103.8 155.6
129 89.8 73.3 109.9
131 85.7 74.1 111.1



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





#65

Chlorobenzene

Concen: 20.509 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

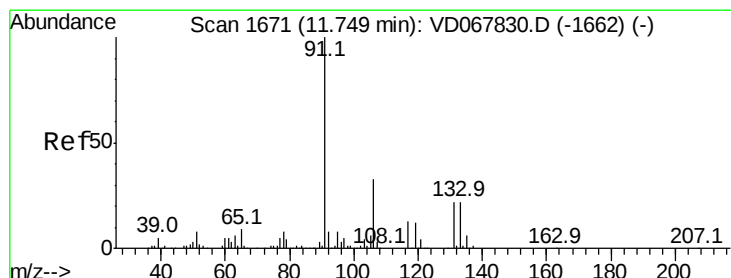
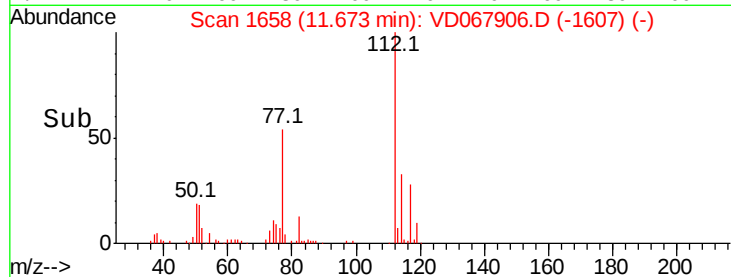
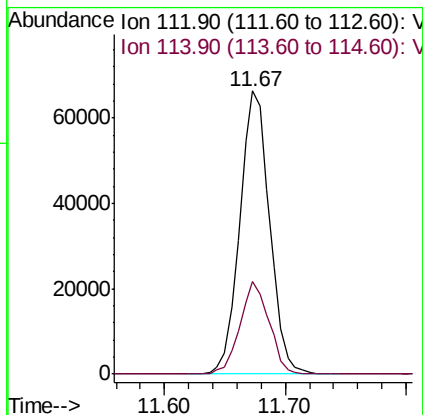
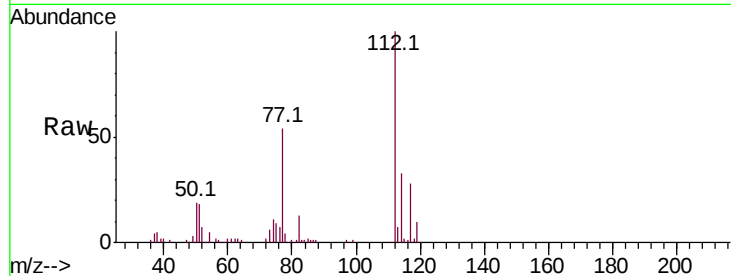
VD1208SBS01

Tot Ion:112 Resp: 114696

Ion Ratio Lower Upper

112 100

114 32.7 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.370 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

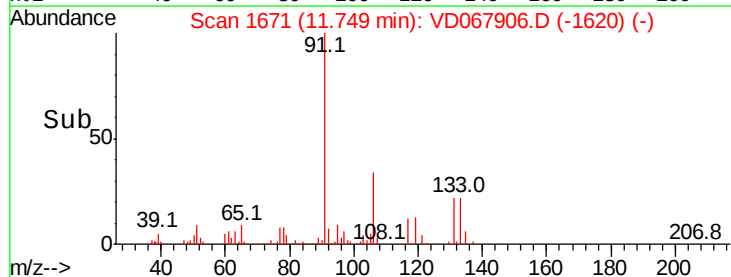
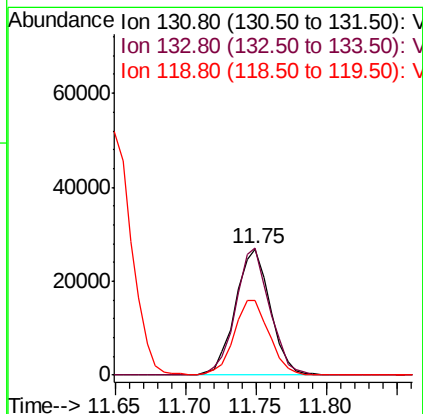
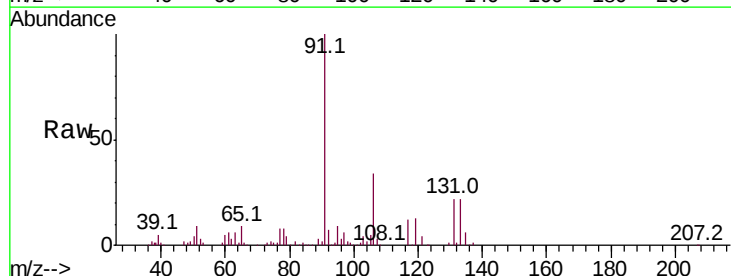
Tgt Ion:131 Resp: 46463

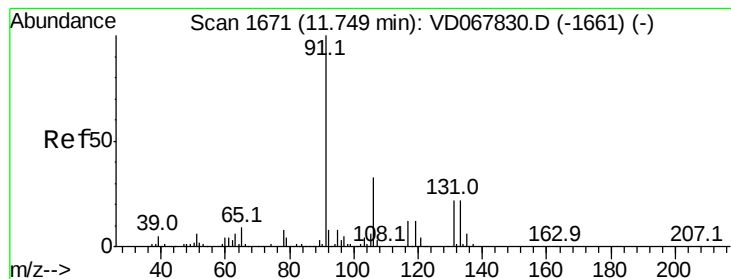
Ion Ratio Lower Upper

131 100

133 98.0 49.9 149.7

119 60.2 29.6 88.9





#67

Ethyl Benzene

Concen: 21.180 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

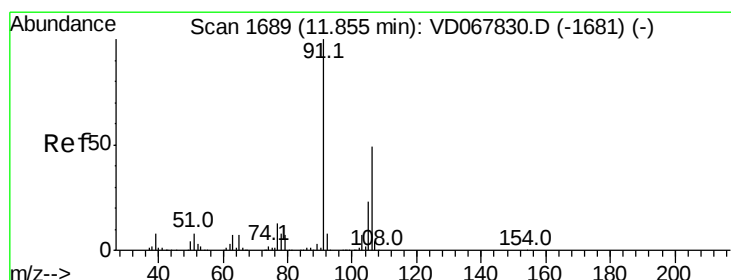
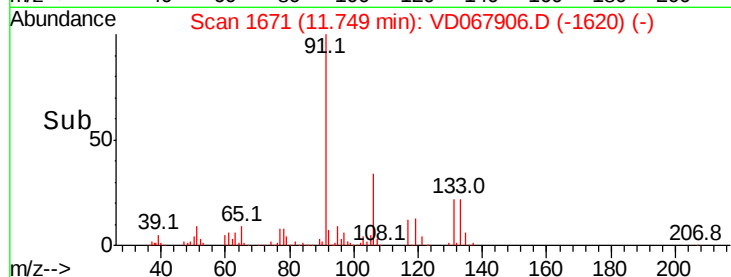
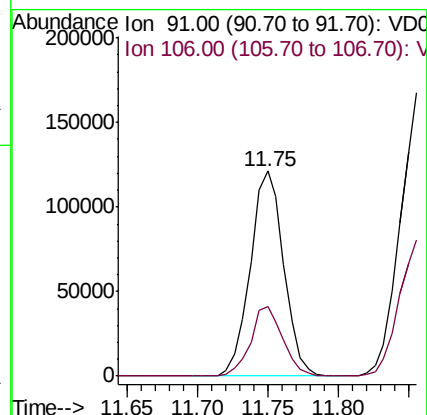
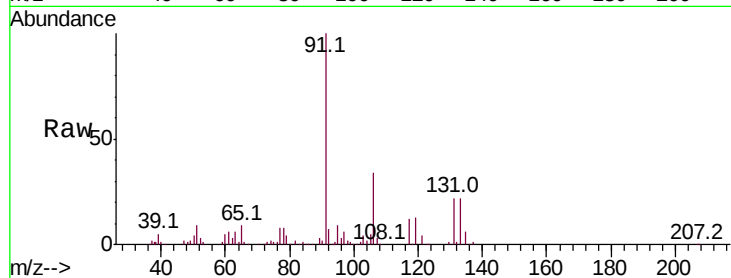
VD1208SBS01

Tot Ion: 91 Resp: 201779

Ion Ratio Lower Upper

91 100

106 33.8 26.2 39.2



#68

m/p-Xylenes

Concen: 42.411 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067906.D

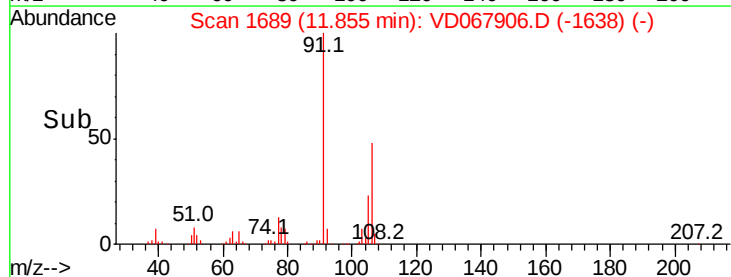
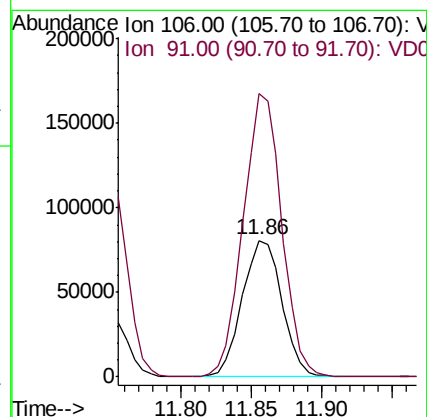
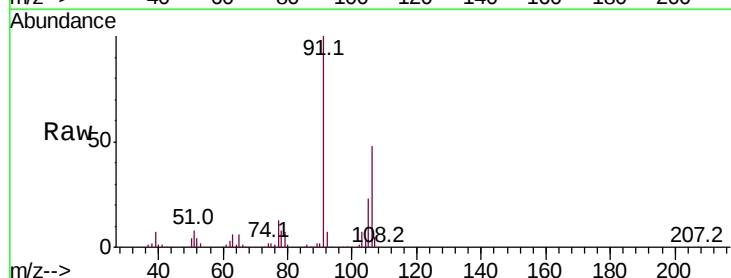
Acq: 08 Dec 2020 10:59

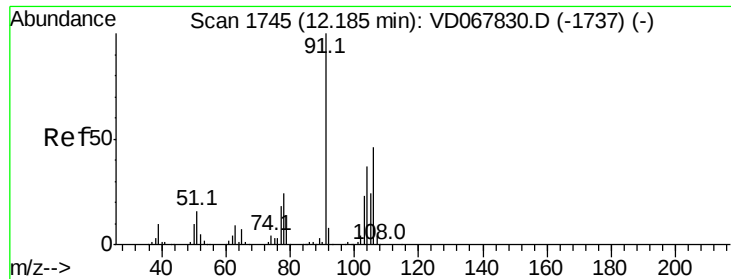
Tgt Ion: 106 Resp: 159318

Ion Ratio Lower Upper

106 100

91 201.4 162.8 244.2

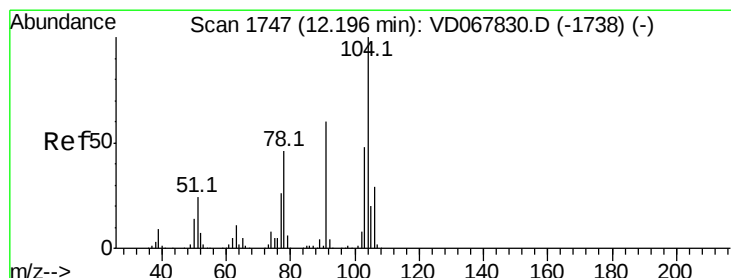
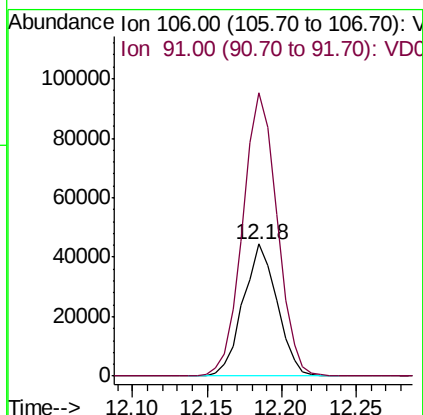
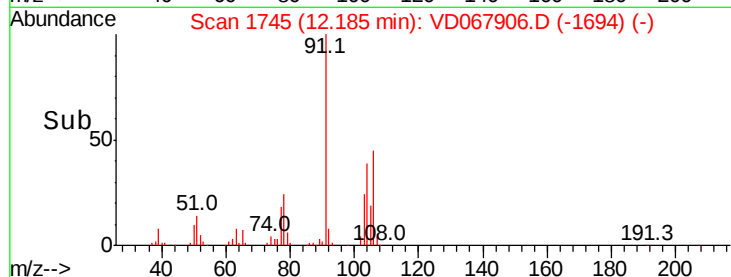
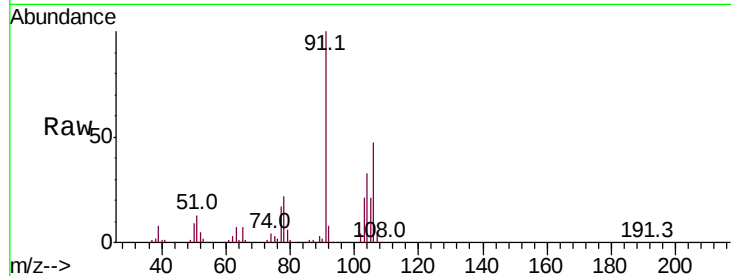




#69
o-Xylene
Concen: 21.103 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

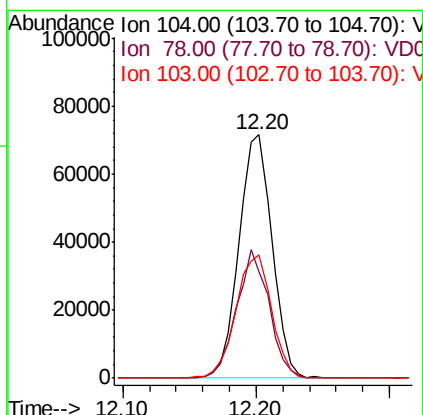
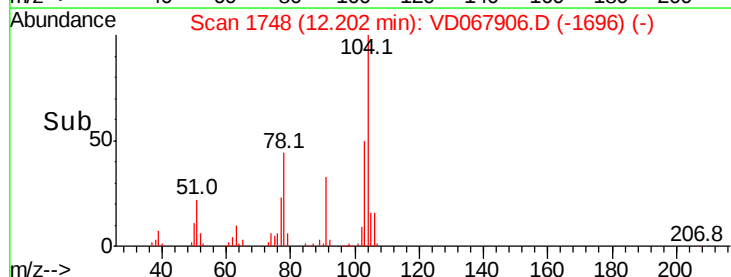
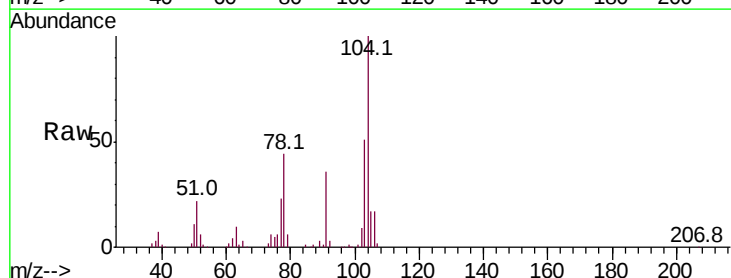
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

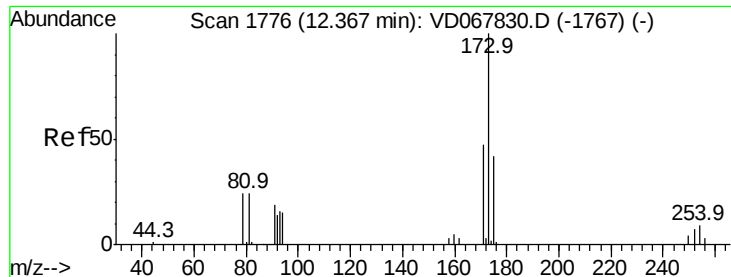
Tot Ion:106 Resp: 70375
Ion Ratio Lower Upper
106 100
91 216.5 107.5 322.5



#70
Styrene
Concen: 21.186 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion:104 Resp: 122855
Ion Ratio Lower Upper
104 100
78 51.9 41.6 62.4
103 54.5 43.2 64.8

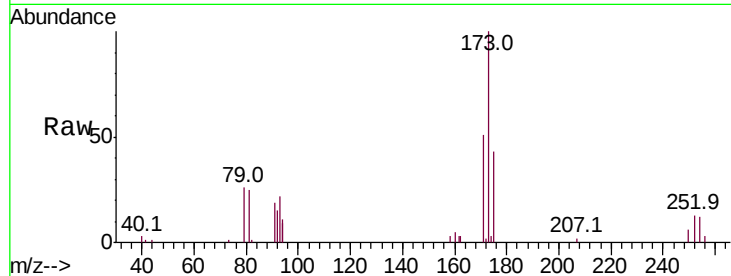




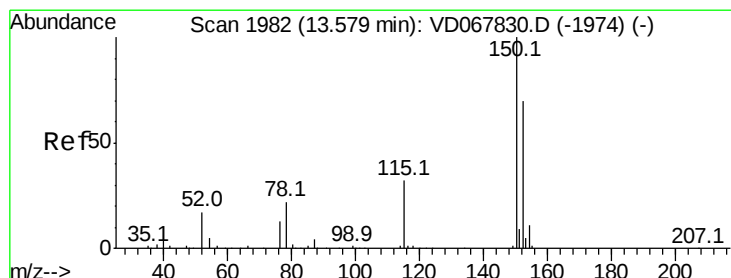
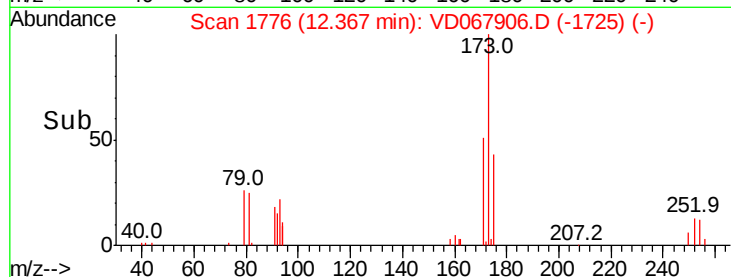
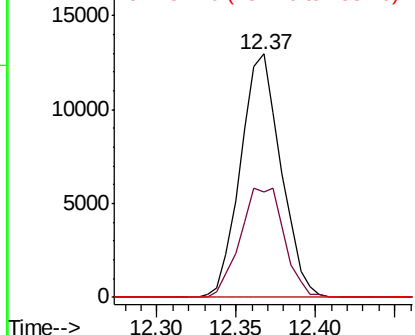
#71
Bromoform
Concen: 18.982 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion:173 Resp: 22919
Ion Ratio Lower Upper
173 100
175 49.1 23.4 70.3
254 0.0 0.1 0.1#

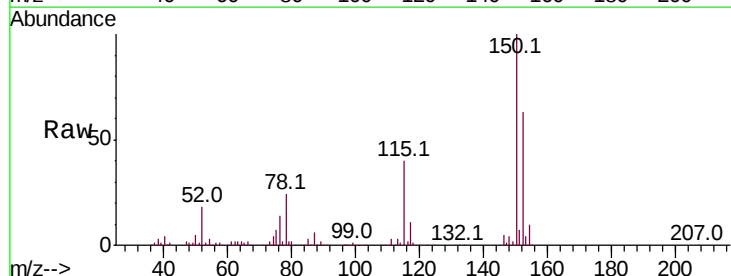


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

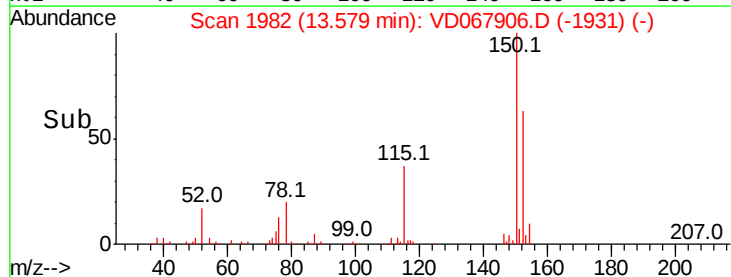
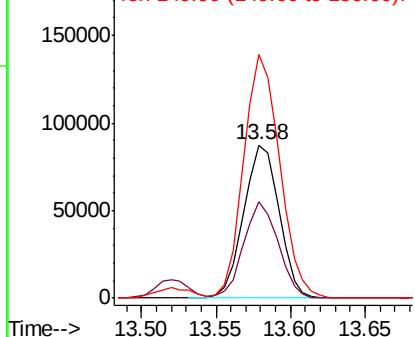


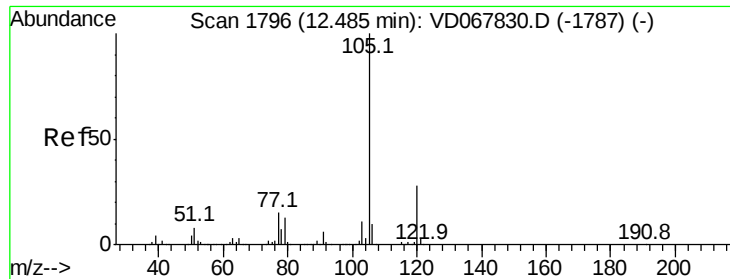
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion:152 Resp: 144157
Ion Ratio Lower Upper
152 100
115 61.3 29.1 87.4
150 161.9 0.0 339.0



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: 20.809 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

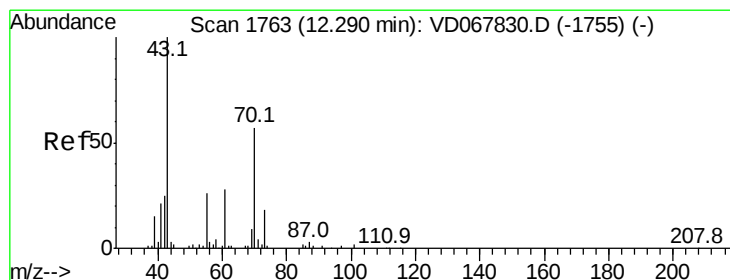
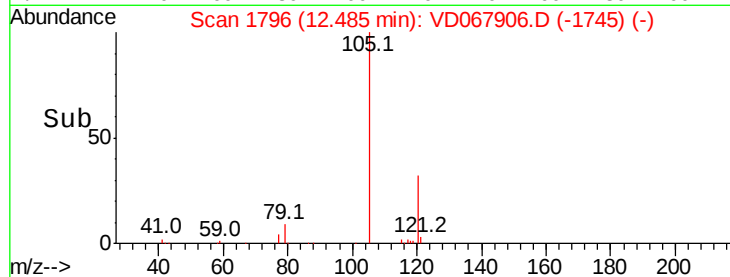
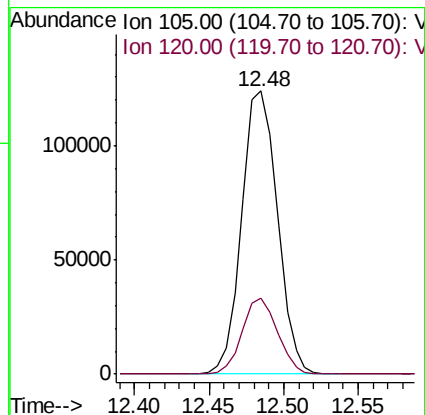
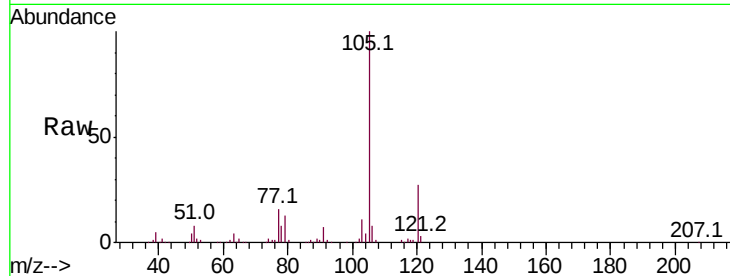
VD1208SBS01

Tot Ion:105 Resp: 206297

Ion Ratio Lower Upper

105 100

120 26.6 13.9 41.6



#74

N-ethyl acetate

Concen: 18.086 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Tgt Ion: 43 Resp: 22178

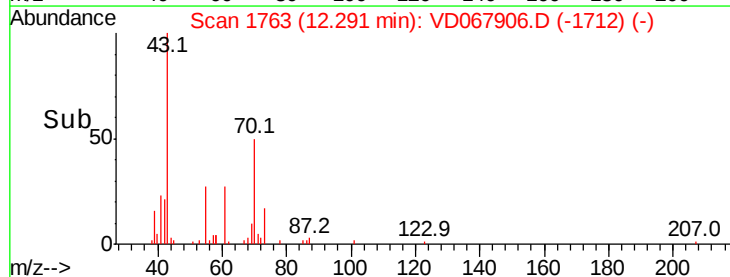
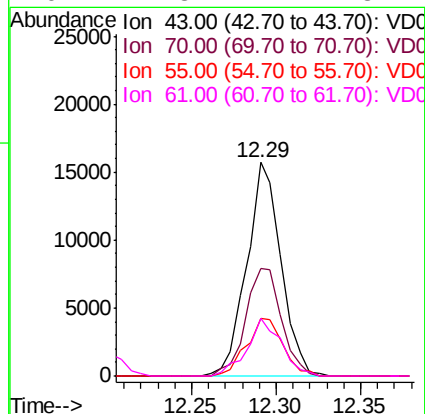
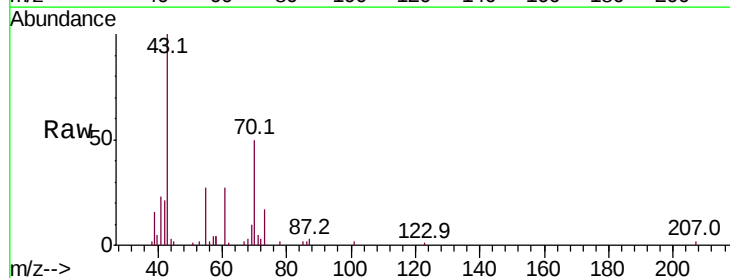
Ion Ratio Lower Upper

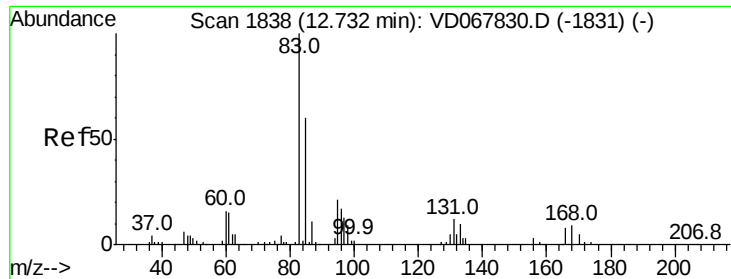
43 100

70 52.5 44.6 66.8

55 28.7 22.2 33.2

61 27.3 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.500 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

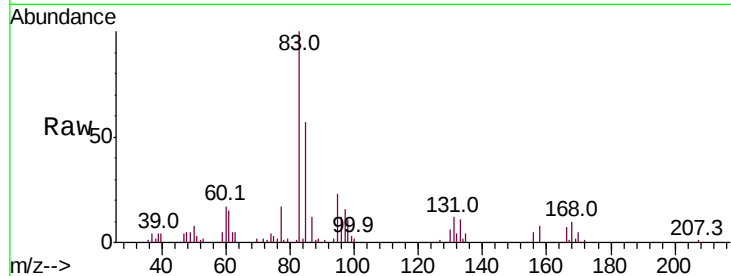
Tot Ion: 83 Resp: 24213

Ion Ratio Lower Upper

83 100

131 13.7 8.0 24.0

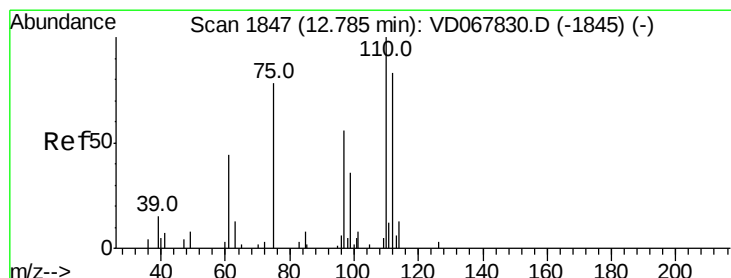
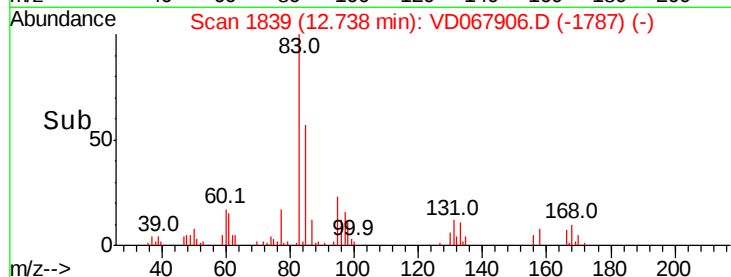
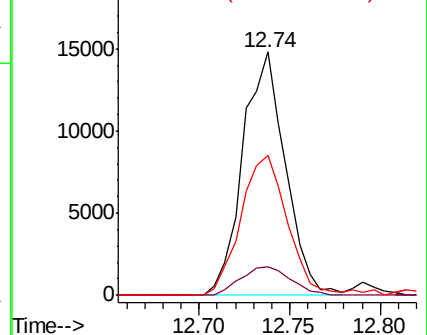
85 62.6 31.7 95.1



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: 34.213 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD067906.D

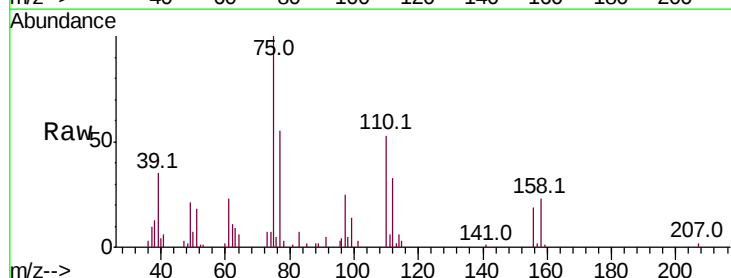
Acq: 08 Dec 2020 10:59

Tgt Ion: 75 Resp: 35917

Ion Ratio Lower Upper

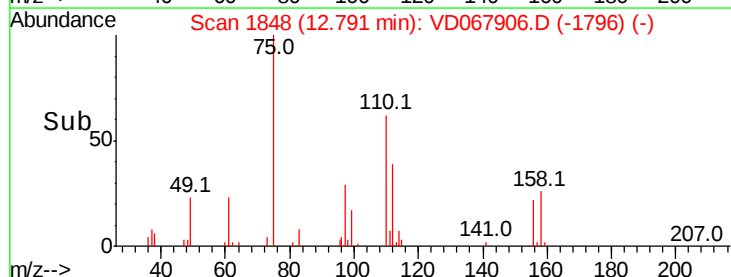
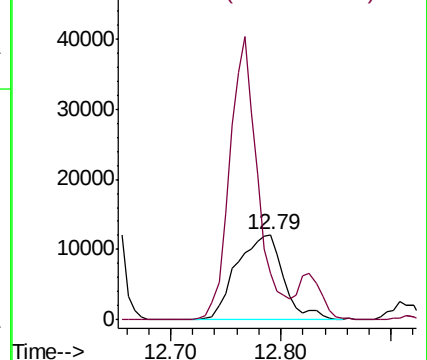
75 100

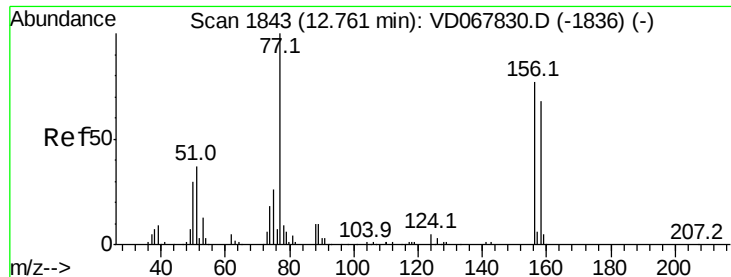
77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.028 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

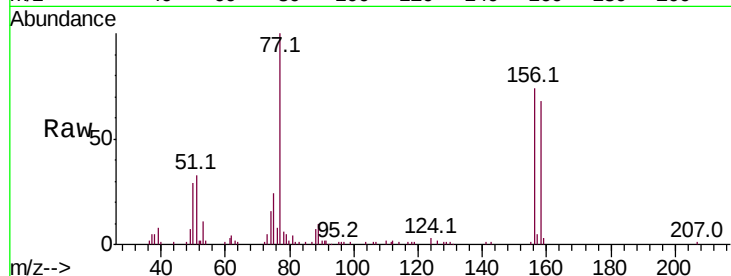
Tot Ion:156 Resp: 51825

Ion Ratio Lower Upper

156 100

77 139.2 71.5 214.5

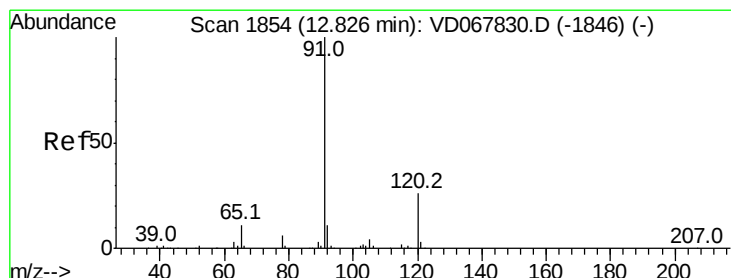
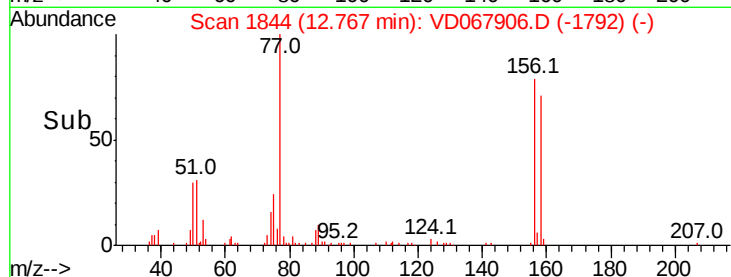
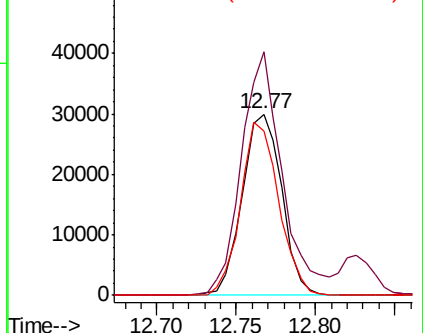
158 92.5 47.1 141.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.684 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067906.D

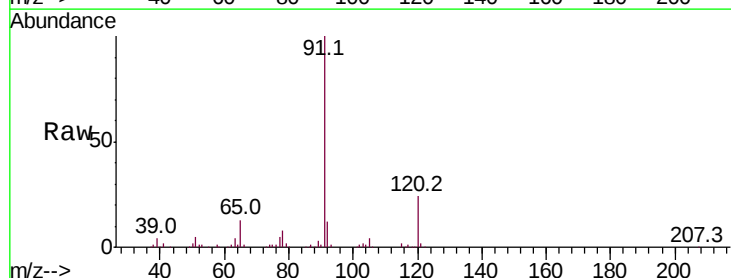
Acq: 08 Dec 2020 10:59

Tgt Ion: 91 Resp: 227269

Ion Ratio Lower Upper

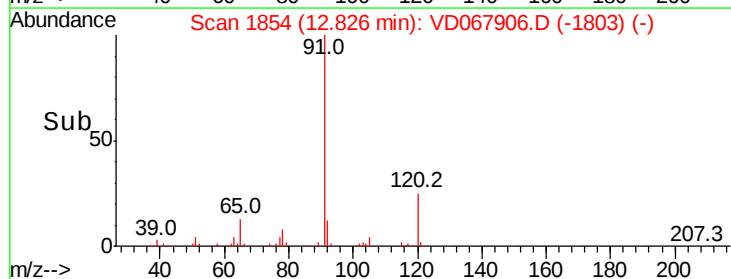
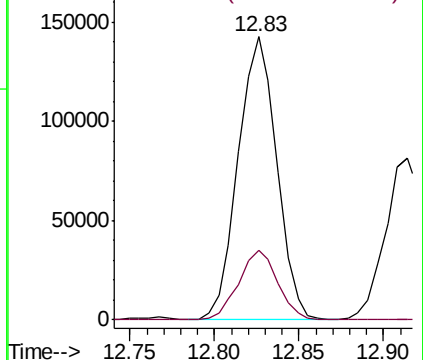
91 100

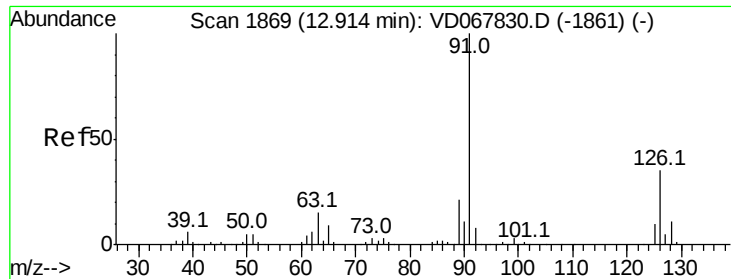
120 24.8 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

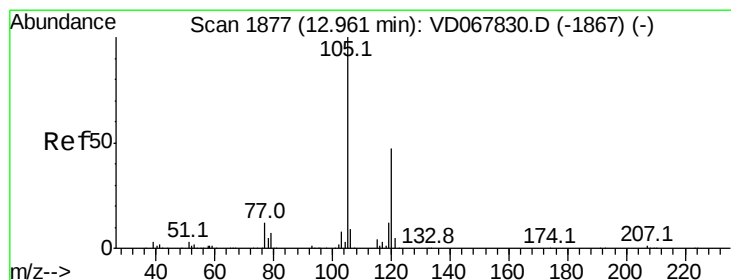
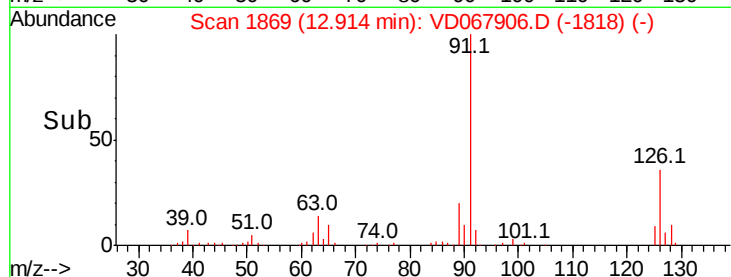
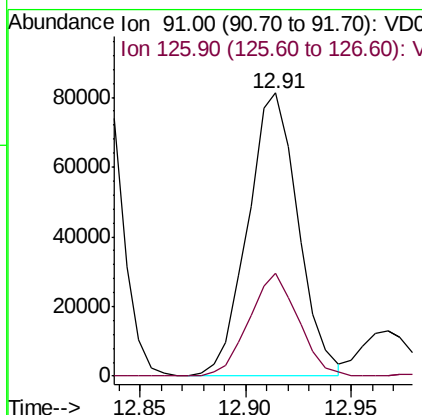
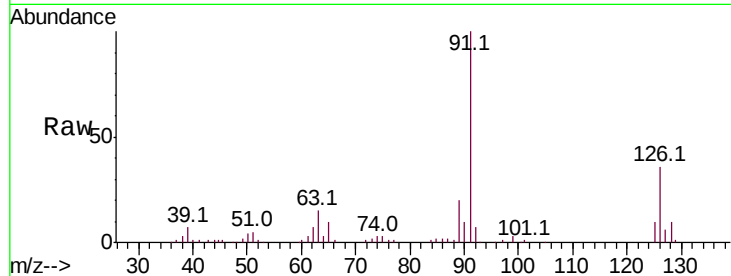




#79
2-Chlorotoluene
Concen: 20.901 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

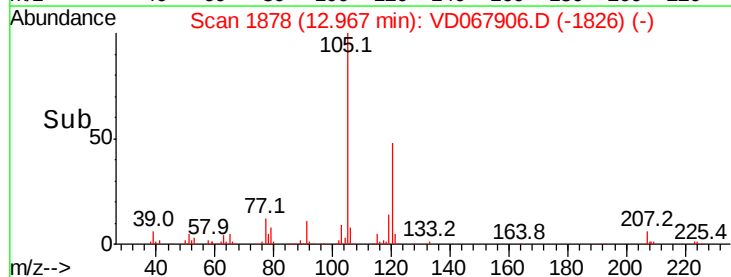
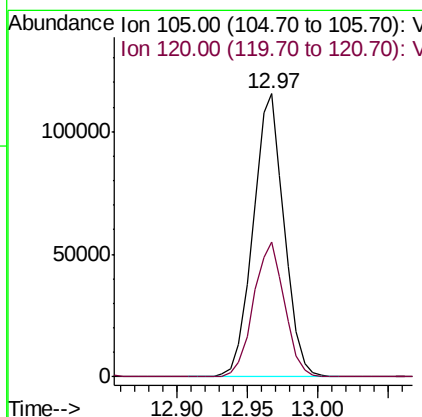
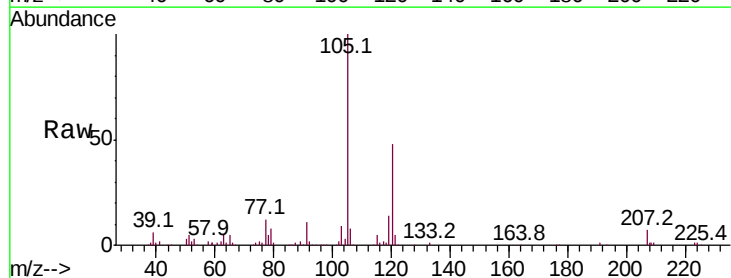
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

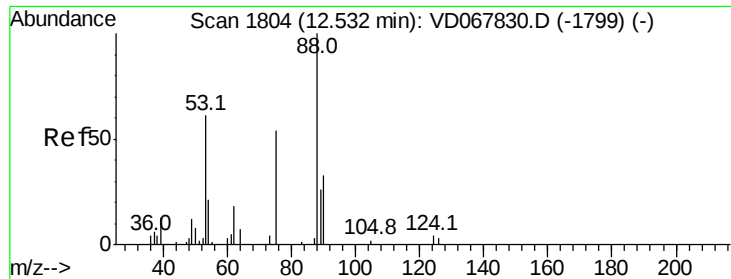
Tot Ion: 91 Resp: 135107
Ion Ratio Lower Upper
91 100
126 35.2 17.9 53.7



#80
1,3,5-Trimethylbenzene
Concen: 20.680 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion:105 Resp: 177504
Ion Ratio Lower Upper
105 100
120 47.8 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 17.764 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

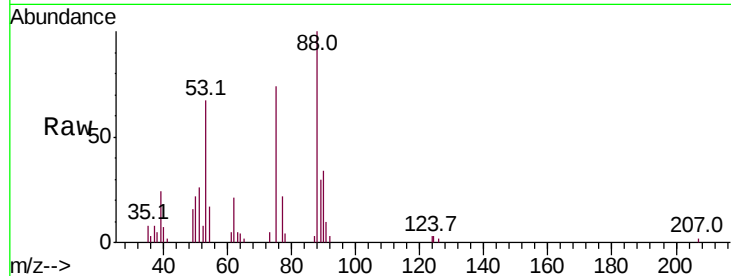
Tot Ion: 75 Resp: 7796

Ion Ratio Lower Upper

75 100

53 105.3 84.6 127.0

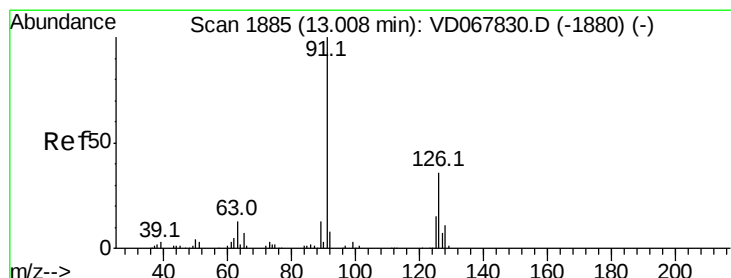
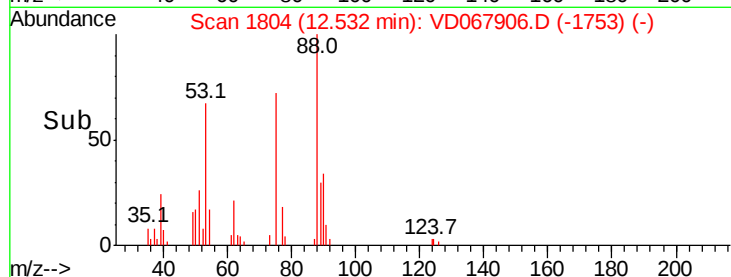
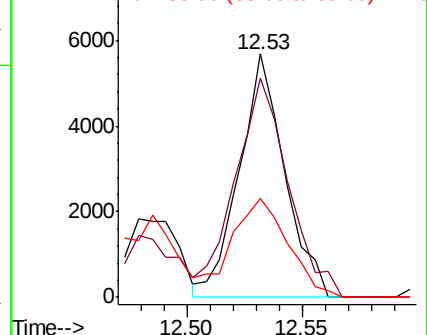
89 50.7 41.0 61.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.445 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067906.D

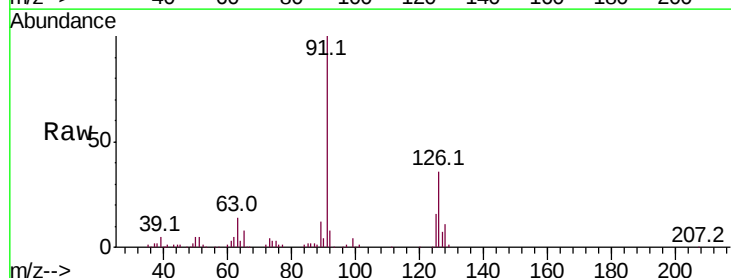
Acq: 08 Dec 2020 10:59

Tgt Ion: 91 Resp: 140976

Ion Ratio Lower Upper

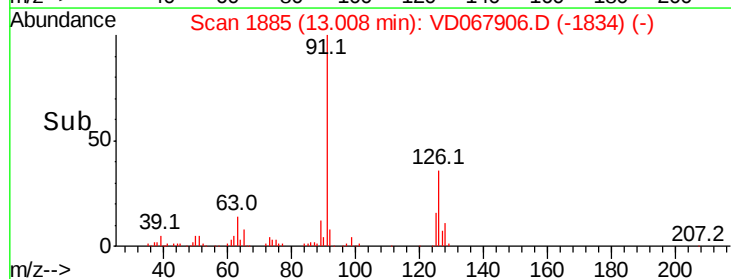
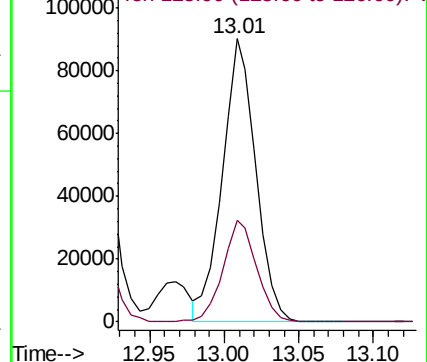
91 100

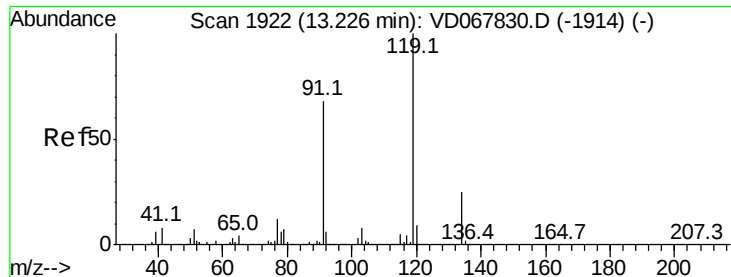
126 36.4 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

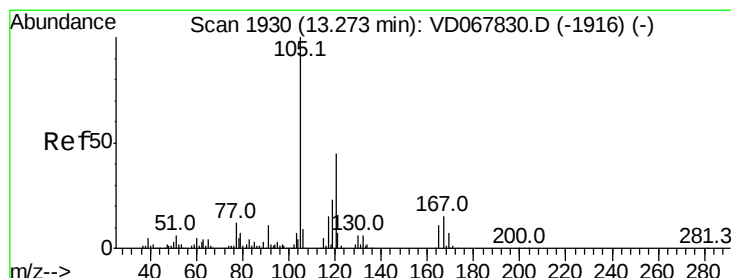
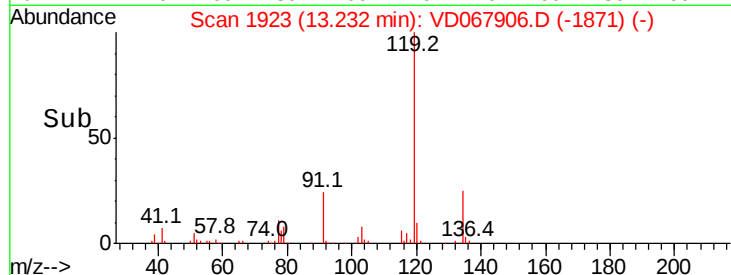
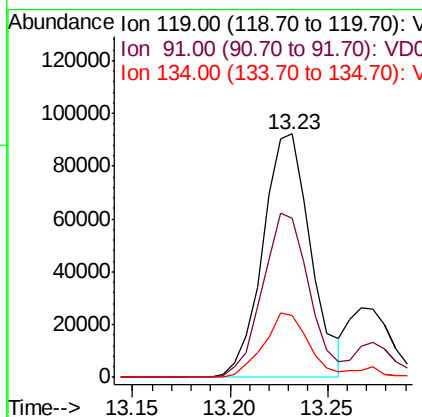
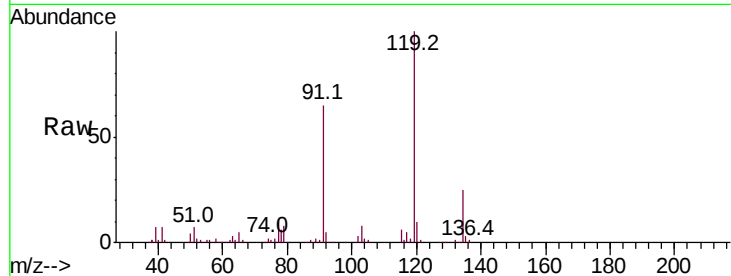




#83
tert-Butylbenzene
Concen: 21.467 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

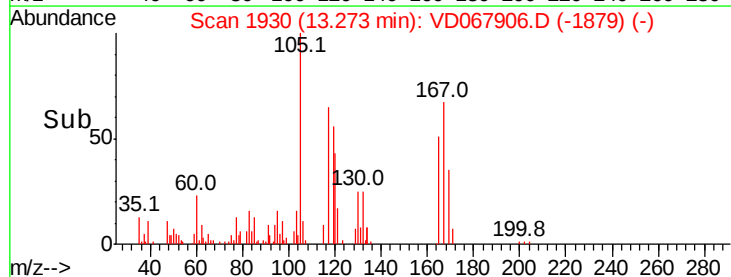
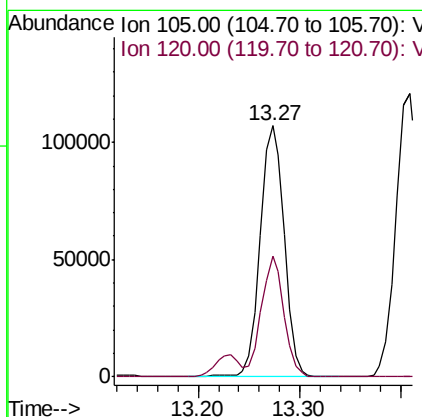
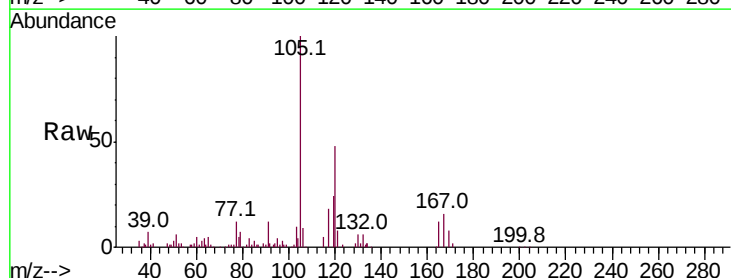
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

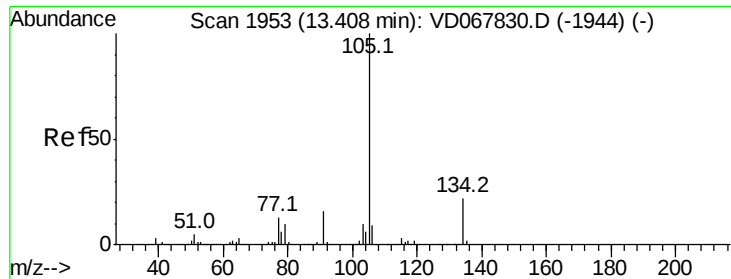
Tot Ion:119 Resp: 156796
Ion Ratio Lower Upper
119 100
91 65.7 33.1 99.3
134 24.7 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.839 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion:105 Resp: 177862
Ion Ratio Lower Upper
105 100
120 45.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 20.443 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

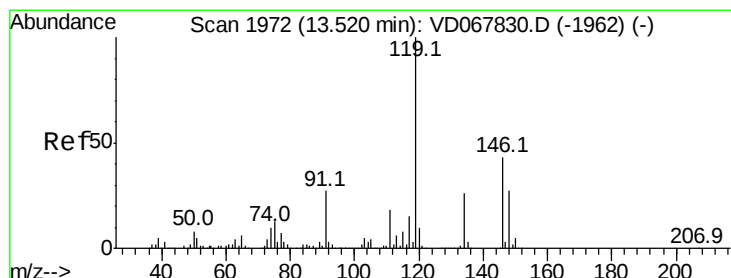
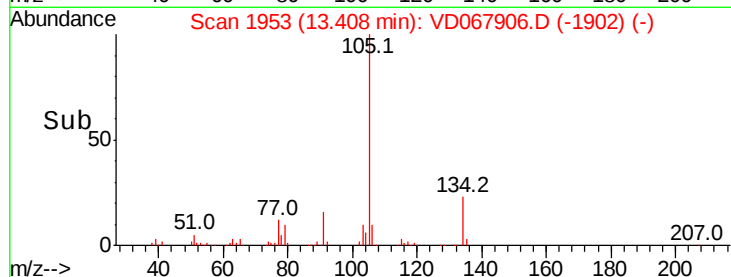
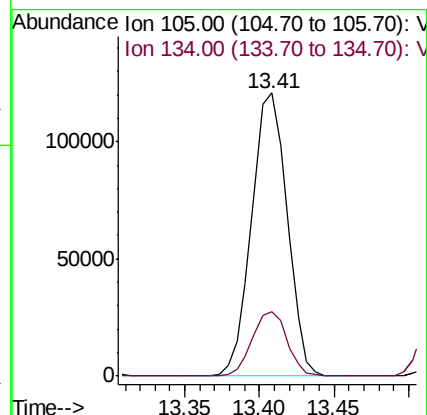
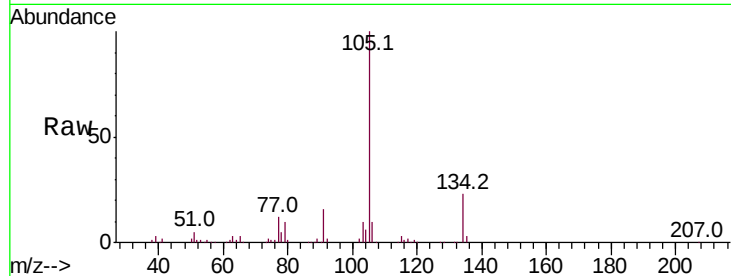
VD1208SBS01

Tot Ion:105 Resp: 199290

Ion Ratio Lower Upper

105 100

134 22.2 10.9 32.9



#86

p-Isopropyltoluene

Concen: 20.733 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

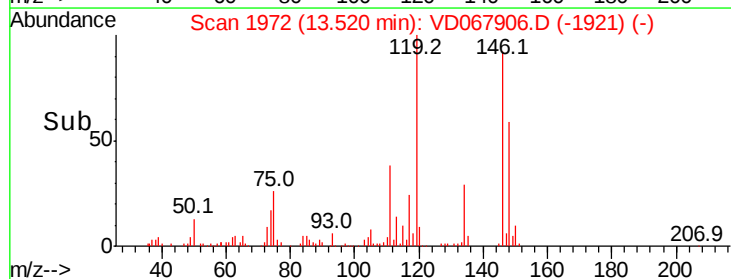
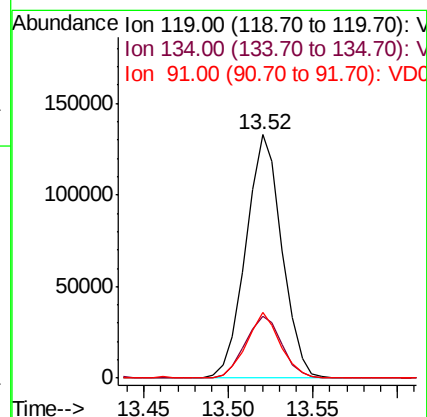
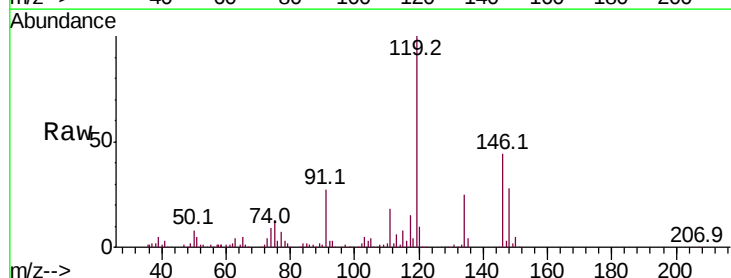
Tgt Ion:119 Resp: 198093

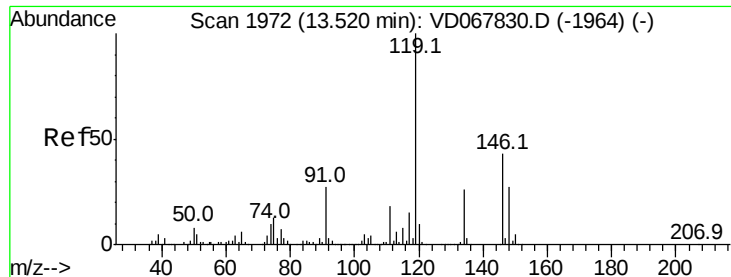
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 25.3 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 19.675 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

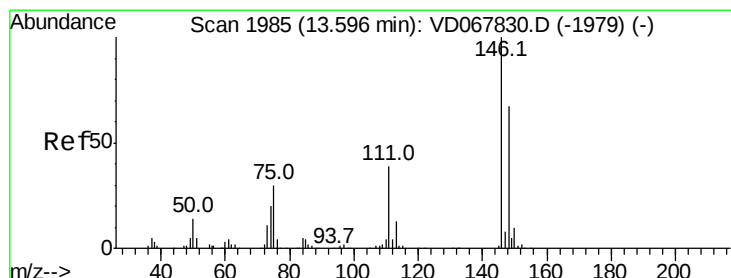
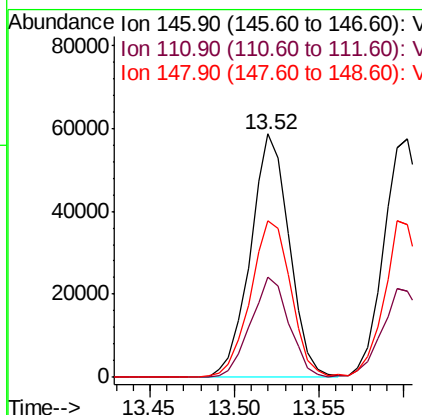
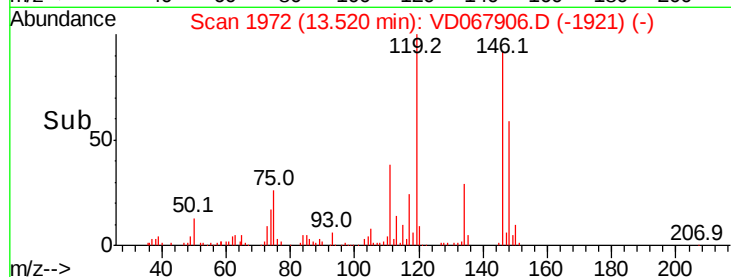
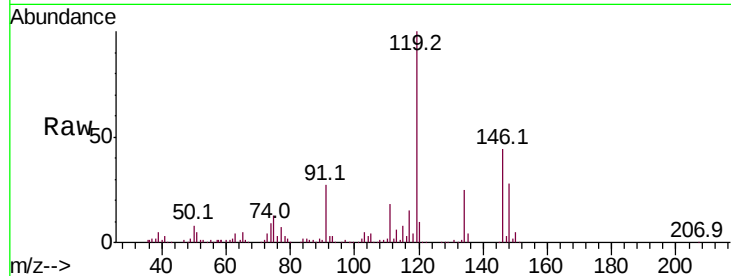
Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion:146 Resp: 93538

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.2
148	67.2	32.9	98.6



#88

1,4-Dichlorobenzene

Concen: 19.988 ug/l

RT: 13.60 min Scan# 1986

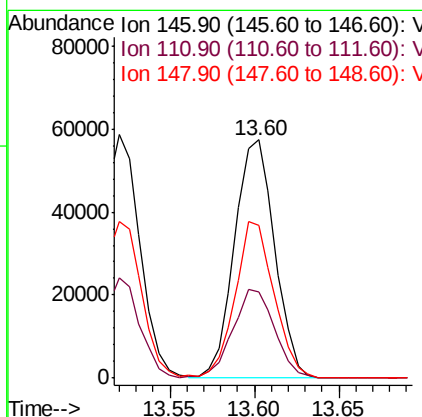
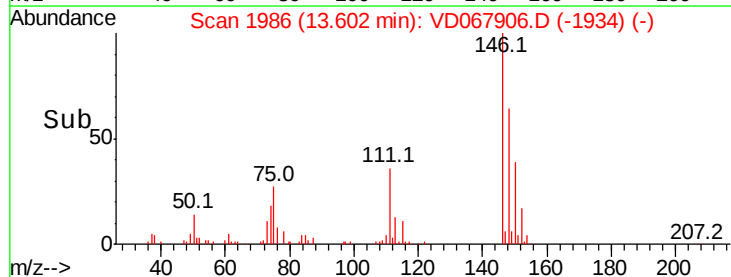
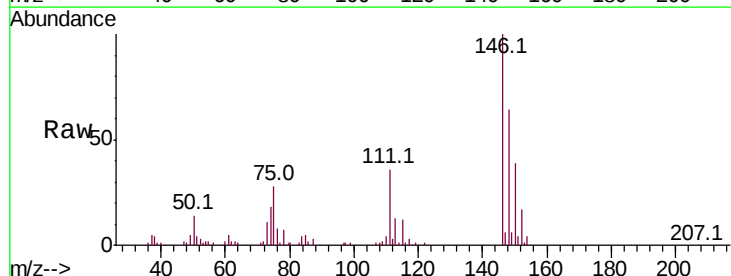
Delta R.T. 0.01 min

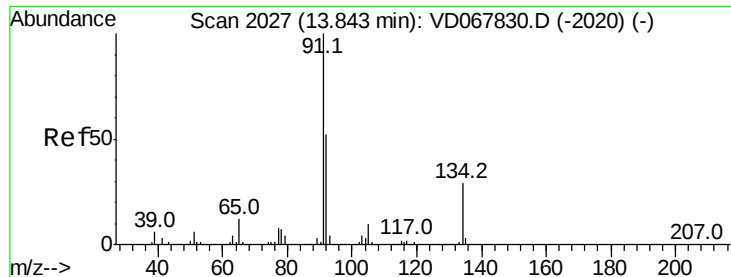
Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Tgt Ion:146 Resp: 95066

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.6
148	63.6	32.4	97.2

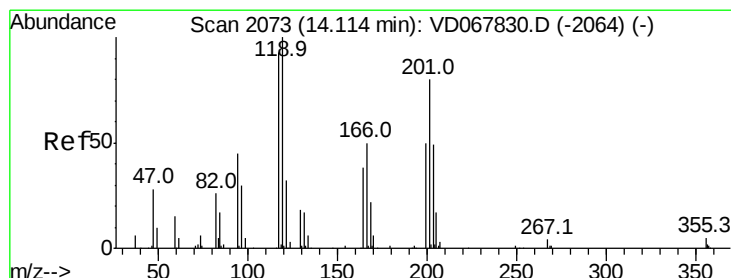
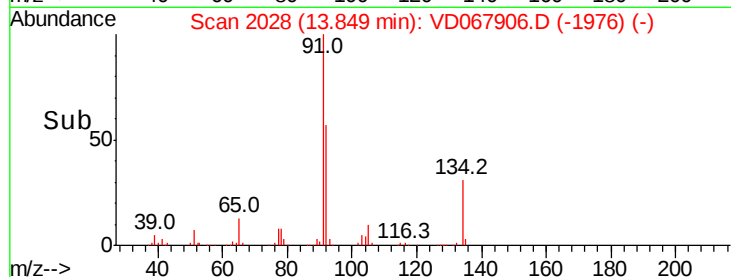
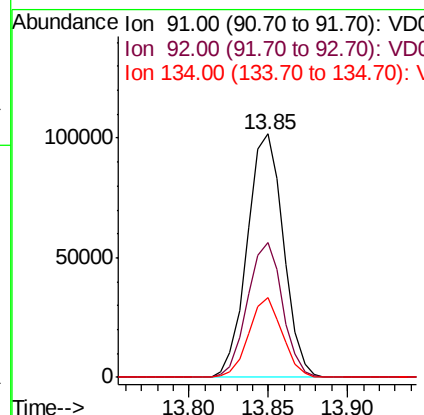
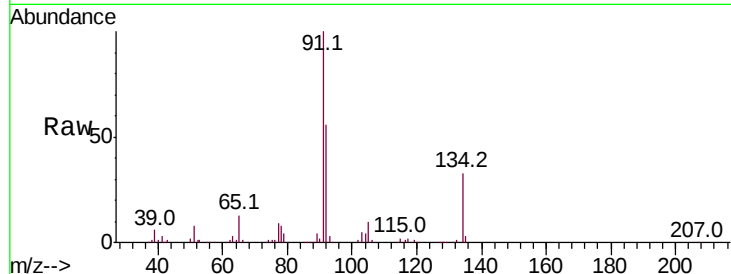




#89
n-Butylbenzene
Concen: 20.323 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

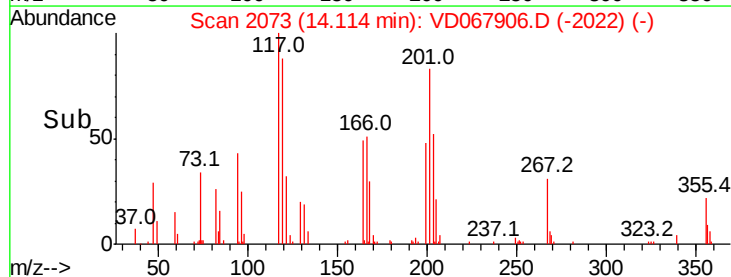
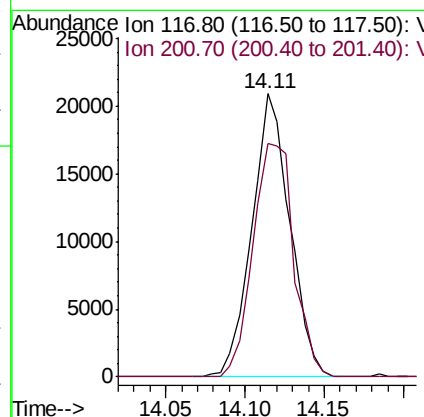
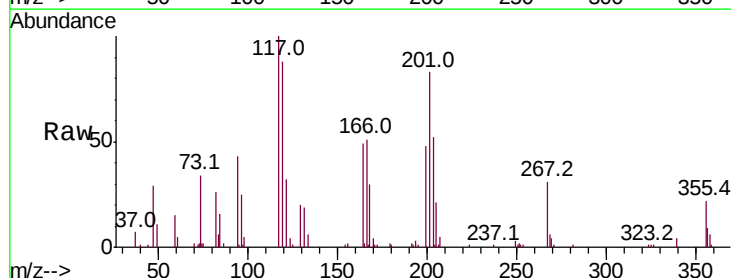
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

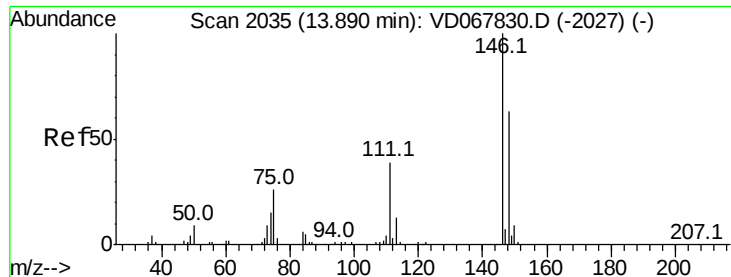
Tot Ion: 91 Resp: 161319
Ion Ratio Lower Upper
91 100
92 53.6 26.3 78.8
134 30.3 14.8 44.3



#90
Hexachloroethane
Concen: 19.704 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067906.D
Acq: 08 Dec 2020 10:59

Tgt Ion: 117 Resp: 34757
Ion Ratio Lower Upper
117 100
201 88.7 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 19.675 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

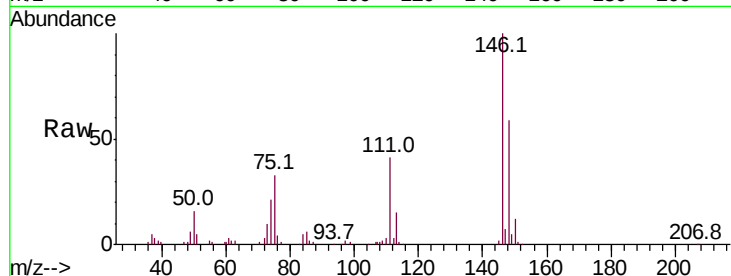
Tot Ion:146 Resp: 81128

Ion Ratio Lower Upper

146 100

111 42.1 20.4 61.2

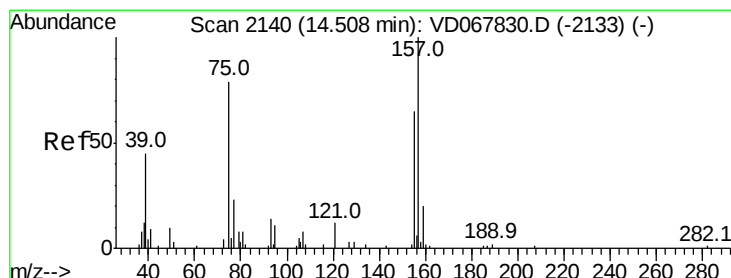
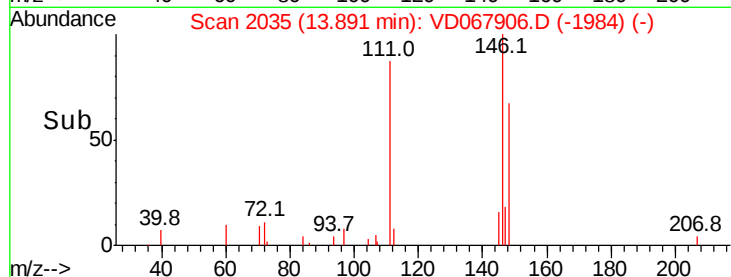
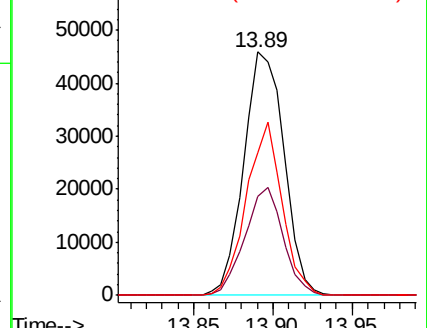
148 63.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.754 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

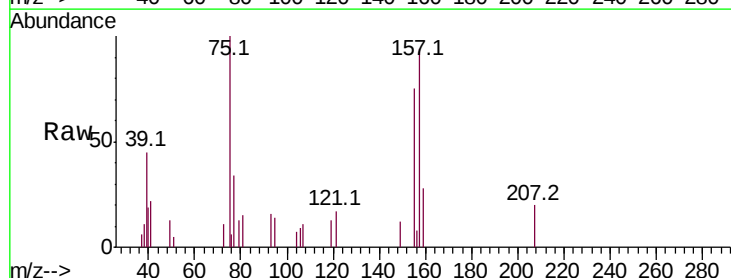
Tgt Ion: 75 Resp: 5396

Ion Ratio Lower Upper

75 100

155 74.3 44.1 132.4

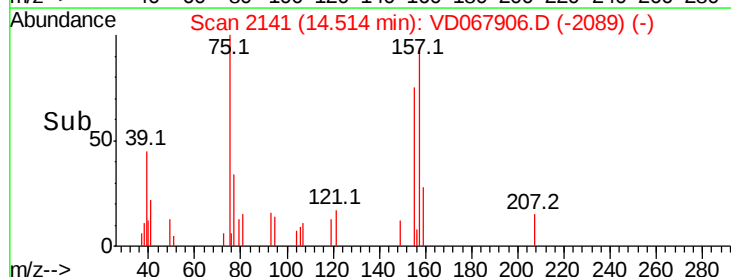
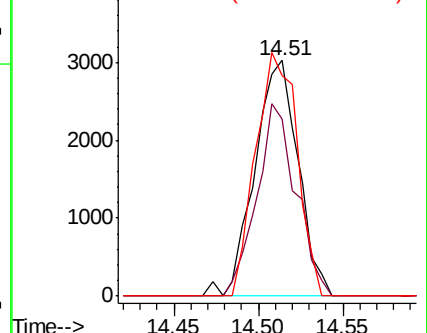
157 98.4 62.4 187.2

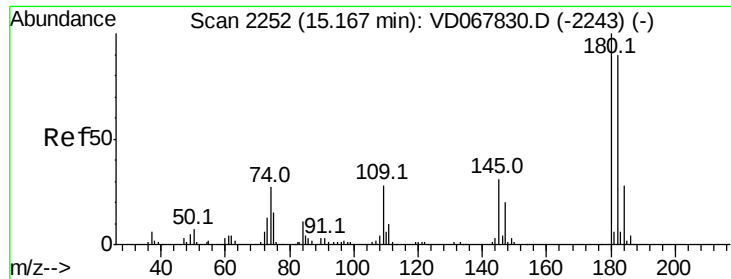


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

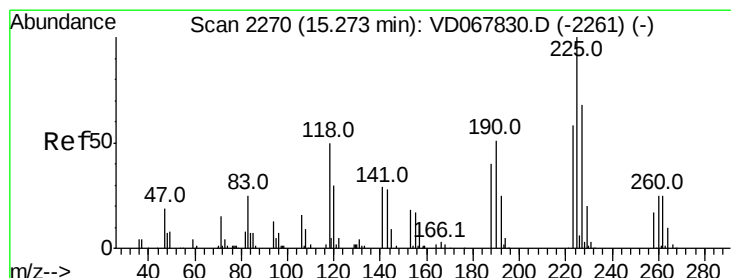
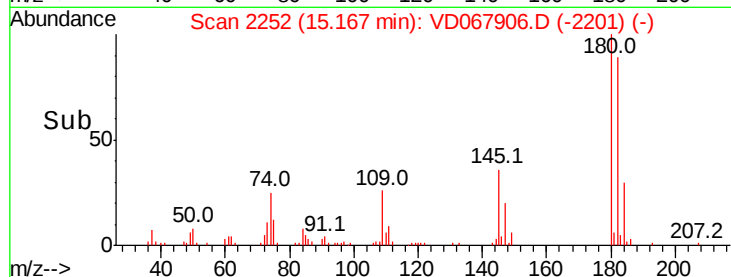
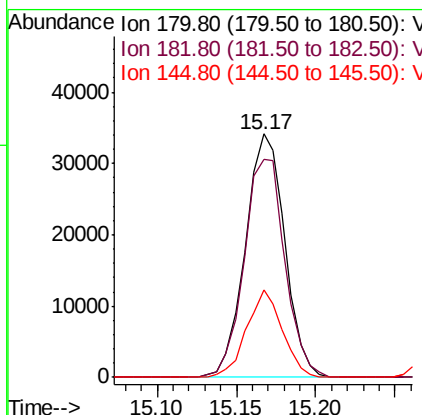
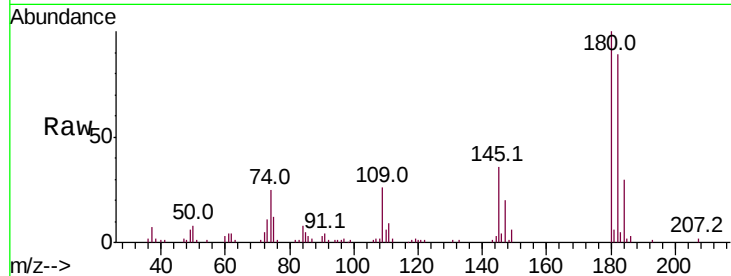




#93
 1,2,4-Trichlorobenzene
 Concen: 20.440 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

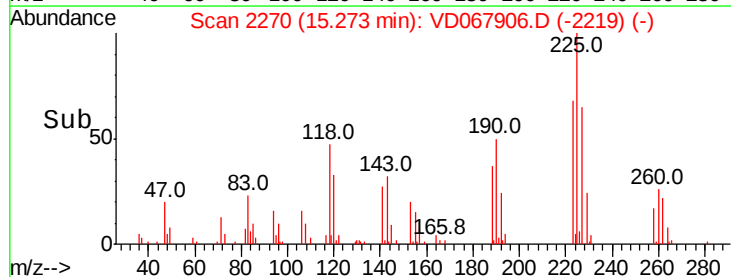
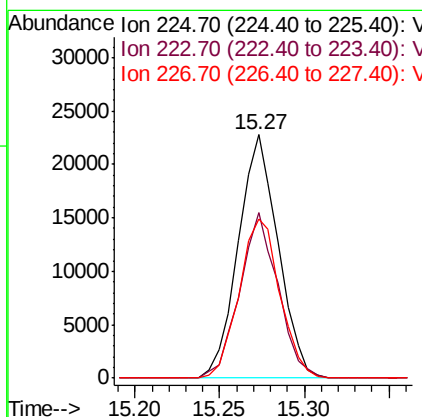
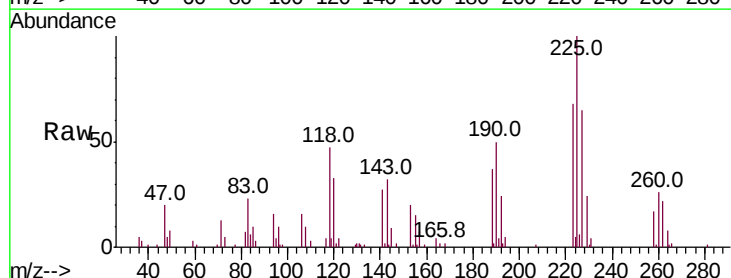
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

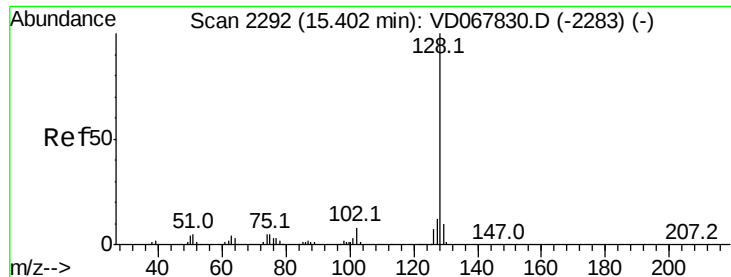
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.5	142.6
145	32.5	16.4	49.4



#94
 Hexachlorobutadiene
 Concen: 19.822 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067906.D
 Acq: 08 Dec 2020 10:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.1	93.3
227	67.0	33.1	99.3





#95

Naphthalene

Concen: 18.787 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

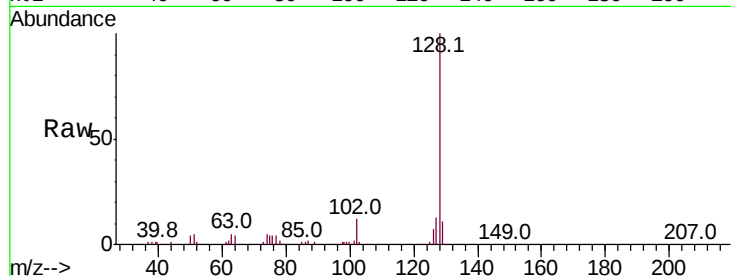
Tot Ion:128 Resp: 88172

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

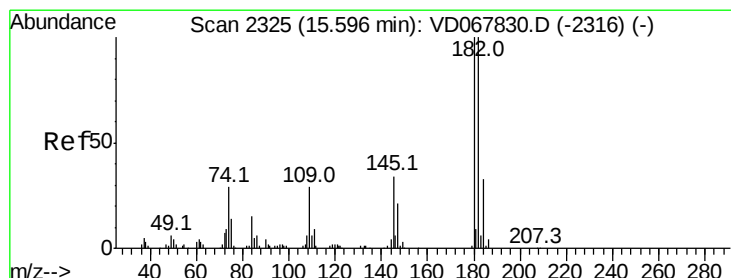
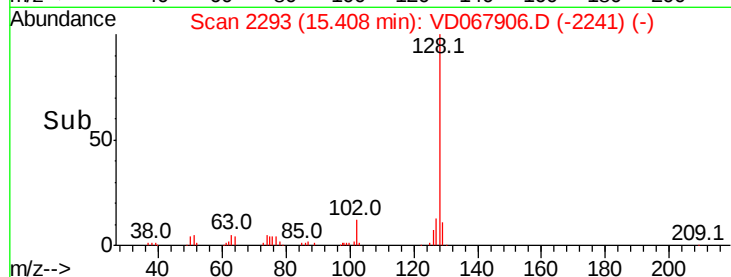
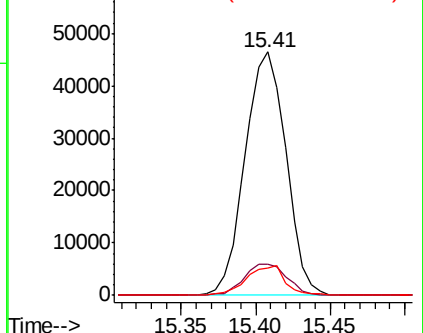
129 11.4 9.0 13.6



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: 19.604 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD067906.D

Acq: 08 Dec 2020 10:59

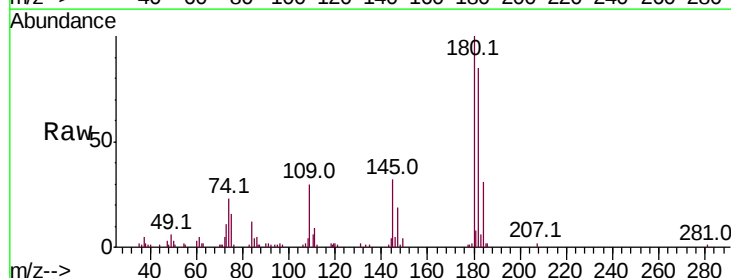
Tgt Ion:180 Resp: 48830

Ion Ratio Lower Upper

180 100

182 92.3 47.3 142.0

145 35.3 16.8 50.4



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

