

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067507.D
 Acq On : 03 Nov 2020 13:24
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Quant Time: Nov 04 00:58:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	360308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	522925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	465980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	150232	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	7.92	113	155928	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.34	98	541901	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.64	95	192169	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	154788	53.379	ug/l	94
3) Chloromethane	2.21	50	109478	48.793	ug/l	97
4) Vinyl Chloride	2.35	62	121822	48.699	ug/l	100
5) Bromomethane	2.77	94	97874	48.272	ug/l	96
6) Chloroethane	2.93	64	75637	49.044	ug/l	99
7) Trichlorofluoromethane	3.28	101	323782	49.989	ug/l	92
8) Diethyl Ether	3.71	74	64418	49.358	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	168087	51.411	ug/l	98
10) Methyl Iodide	4.30	142	182254	52.011	ug/l	98
11) Tert butyl alcohol	5.22	59	33488	246.364	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	152889	50.839	ug/l	97
13) Acrolein	3.93	56	37446	265.768	ug/l	97
14) Allyl chloride	4.72	41	173183	53.807	ug/l	97
15) Acrylonitrile	5.42	53	123428	255.838	ug/l	100
16) Acetone	4.16	43	123286	261.501	ug/l	94
17) Carbon Disulfide	4.41	76	466791	50.654	ug/l	100
18) Methyl Acetate	4.71	43	46545	47.776	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	307604	51.856	ug/l	95
20) Methylene Chloride	4.97	84	164834	49.495	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	178403	50.933	ug/l	97
22) Diisopropyl ether	6.36	45	328585	52.388	ug/l	98
23) Vinyl Acetate	6.31	43	907123	276.297	ug/l	99
24) 1,1-Dichloroethane	6.27	63	256006	49.892	ug/l	98
25) 2-Butanone	7.21	43	131625	261.284	ug/l	96
26) 2,2-Dichloropropane	7.21	77	274913	50.765	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	186047	51.173	ug/l	97
28) Bromochloromethane	7.55	49	92953	50.928	ug/l	97
29) Tetrahydrofuran	7.57	42	80692	267.409	ug/l	98
30) Chloroform	7.72	83	314037	51.301	ug/l	98
31) Cyclohexane	7.99	56	227765	49.846	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	315490	49.951	ug/l	99
36) 1,1-Dichloropropene	8.12	75	233465	52.158	ug/l	99
37) Ethyl Acetate	7.30	43	57759	49.703	ug/l	98
38) Carbon Tetrachloride	8.10	117	301690	51.875	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	293408	55.693	ug/l	96
40) Benzene	8.36	78	633492	52.247	ug/l	98
41) Methacrylonitrile	7.53	41	33256	47.875	ug/l	99
42) 1,2-Dichloroethane	8.43	62	188773	50.391	ug/l	100
43) Isopropyl Acetate	8.46	43	123985	53.947	ug/l	99
44) Trichloroethene	9.12	130	205305	51.497	ug/l	94
45) 1,2-Dichloropropane	9.39	63	140692	53.669	ug/l	99
46) Dibromomethane	9.48	93	85405	51.239	ug/l	100
47) Bromodichloromethane	9.67	83	238601	52.667	ug/l	97
48) Methyl methacrylate	9.46	41	59344	50.010	ug/l	93
49) 1,4-Dioxane	9.46	88	18185	1074.705	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	296888	270.107	ug/l	100
52) Toluene	10.41	92	435354	53.607	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	208037	53.617	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	240382	52.144	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	113498	51.464	ug/l	98
56) Ethyl methacrylate	10.67	69	119134	52.311	ug/l	98
57) 1,3-Dichloropropane	10.95	76	181752	51.214	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	285507	268.830	ug/l	97
59) 2-Hexanone	10.99	43	212247	276.174	ug/l	100
60) Dibromochloromethane	11.14	129	168433	51.629	ug/l	98
61) 1,2-Dibromoethane	11.25	107	113550	51.301	ug/l	99
64) Tetrachloroethene	10.88	164	182784	52.965	ug/l	96
65) Chlorobenzene	11.68	112	469662	52.324	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	181947	51.430	ug/l	97
67) Ethyl Benzene	11.75	91	839691	54.668	ug/l	100
68) m/p-Xylenes	11.86	106	647107	108.291	ug/l	98
69) o-Xylene	12.18	106	293023	54.923	ug/l	99
70) Styrene	12.20	104	503686	54.179	ug/l	99
71) Bromoform	12.37	173	94192	52.205	ug/l #	99
73) Isopropylbenzene	12.48	105	839638	55.712	ug/l	99
74) N-amyl acetate	12.29	43	108593	54.759	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	109052	53.064	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	153939	109.428	ug/l #	100
77) Bromobenzene	12.77	156	196205	53.011	ug/l	99
78) n-propylbenzene	12.83	91	956467	55.484	ug/l	99
79) 2-Chlorotoluene	12.91	91	545137	55.670	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	717024	55.694	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	36396	52.527	ug/l	97
82) 4-Chlorotoluene	13.01	91	582250	55.440	ug/l	98
83) tert-Butylbenzene	13.23	119	622328	57.036	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	709163	55.337	ug/l	98
85) sec-Butylbenzene	13.41	105	831914	56.479	ug/l	99
86) p-Isopropyltoluene	13.52	119	786784	55.314	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	373263	52.851	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	373201	52.187	ug/l	99
89) n-Butylbenzene	13.85	91	699362	56.923	ug/l	99
90) Hexachloroethane	14.11	117	145938	54.483	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	322058	52.690	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19355	53.193	ug/l	96

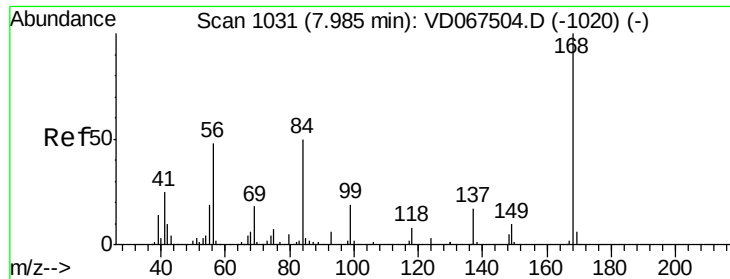
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110320\
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QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	230728	55.616	ug/l	99
94) Hexachlorobutadiene	15.27	225	148973	53.655	ug/l	98
95) Naphthalene	15.41	128	362116	56.561	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	194936	54.872	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

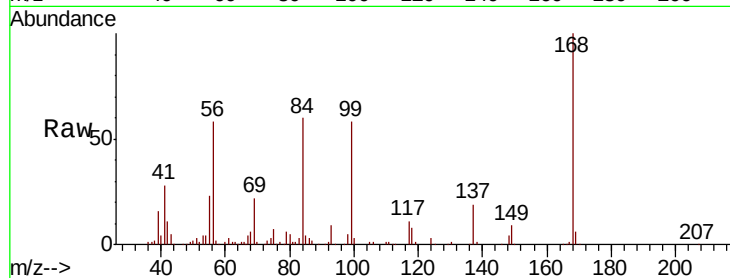
ICVVD110320

Tot Ion:168 Resp: 360308

Ion Ratio Lower Upper

168 100

99 57.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

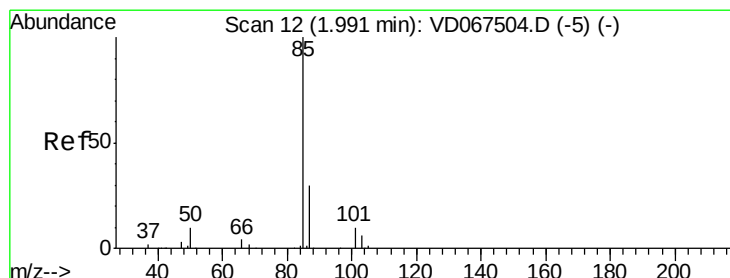
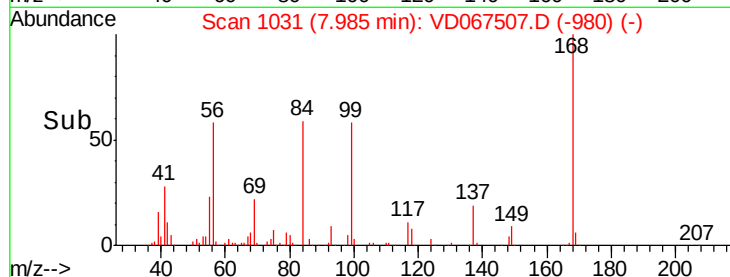
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 53.379 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067507.D

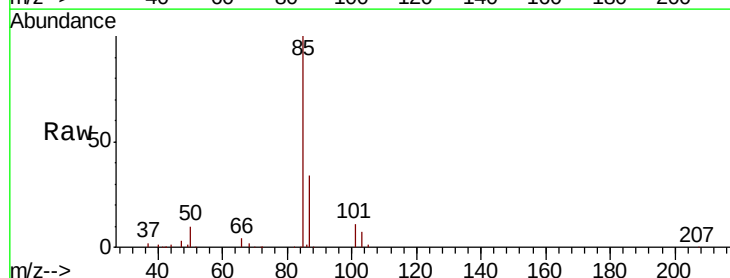
Acq: 03 Nov 2020 13:24

Tgt Ion: 85 Resp: 154788

Ion Ratio Lower Upper

85 100

87 33.8 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

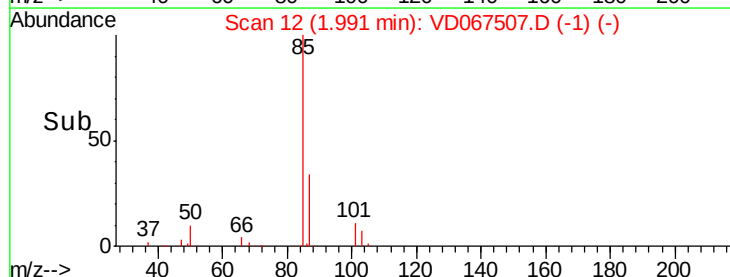
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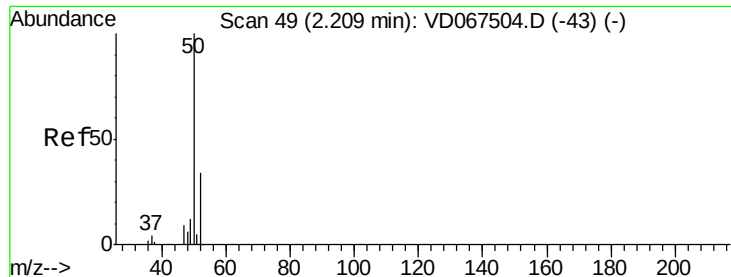
50000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 48.793 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

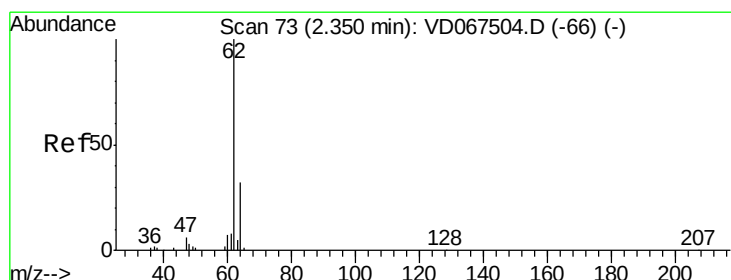
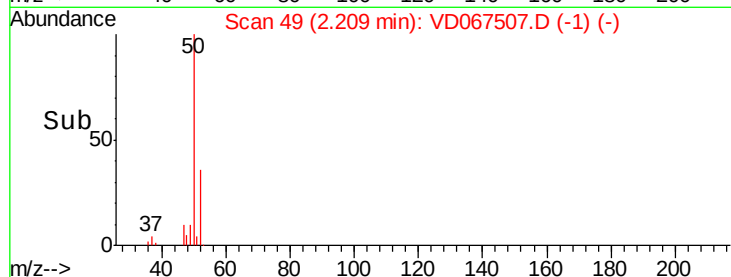
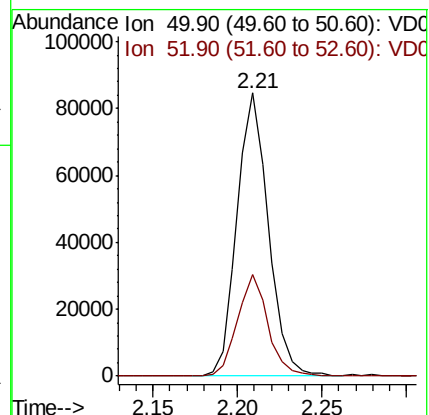
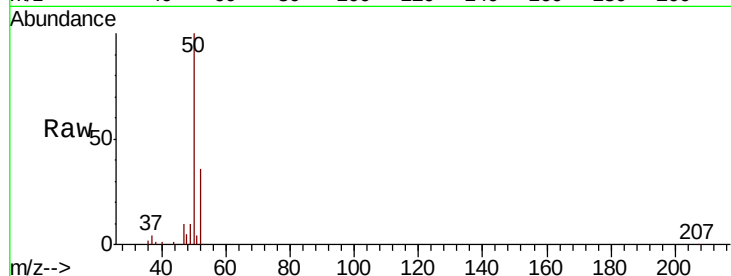
ICVVD110320

Tot Ion: 50 Resp: 109478

Ion Ratio Lower Upper

50 100

52 35.9 27.3 40.9



#4

Vinyl Chloride

Concen: 48.699 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067507.D

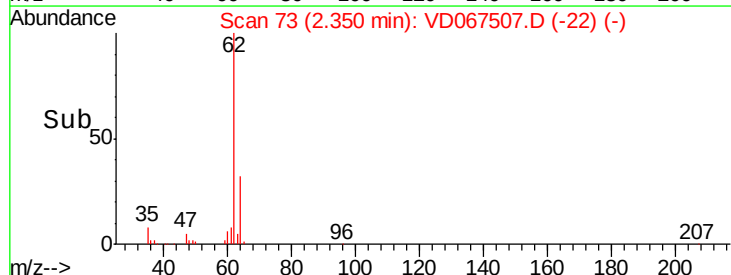
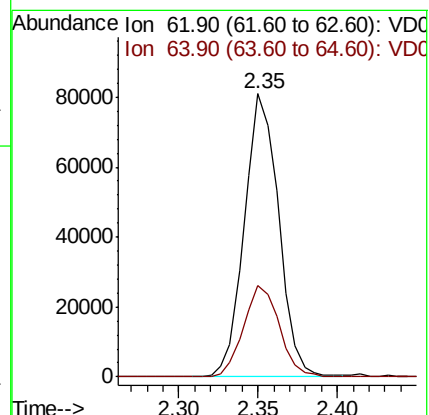
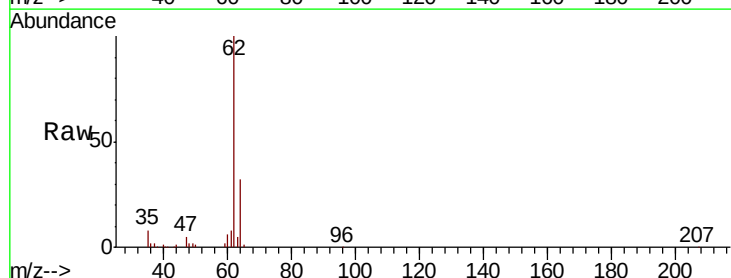
Acq: 03 Nov 2020 13:24

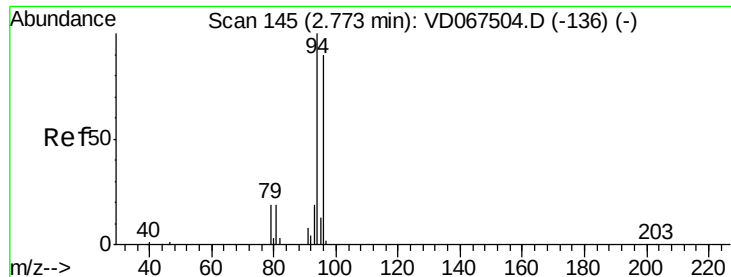
Tgt Ion: 62 Resp: 121822

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4





#5

Bromomethane

Concen: 48.272 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

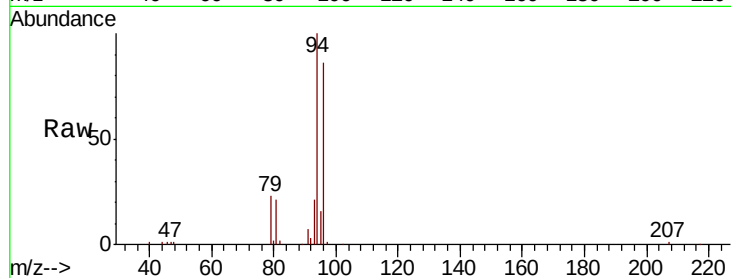
ICVVD110320

Tot Ion: 94 Resp: 97874

Ion Ratio Lower Upper

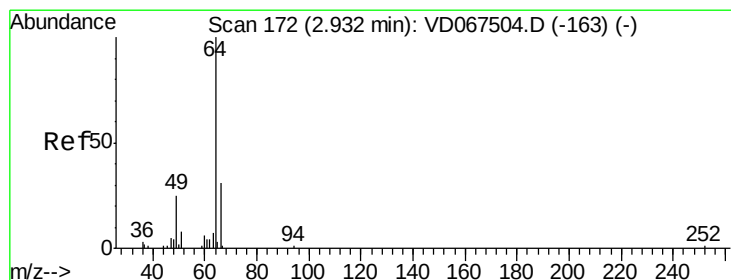
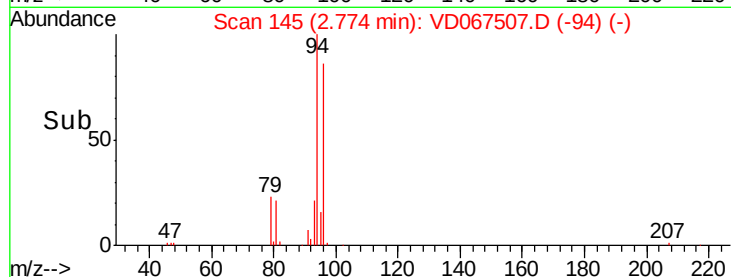
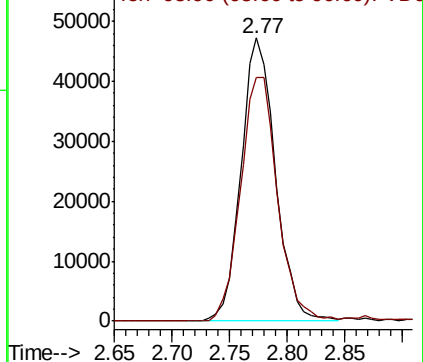
94 100

96 86.1 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.044 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067507.D

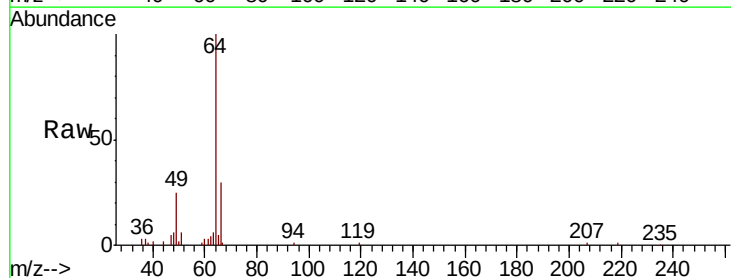
Acq: 03 Nov 2020 13:24

Tgt Ion: 64 Resp: 75637

Ion Ratio Lower Upper

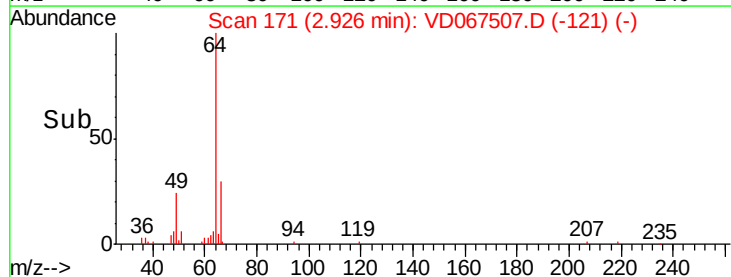
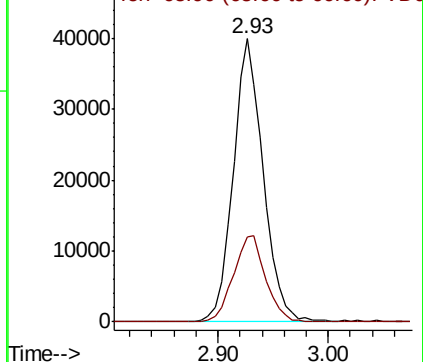
64 100

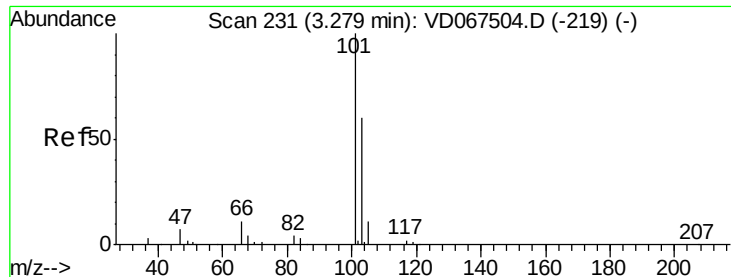
66 30.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



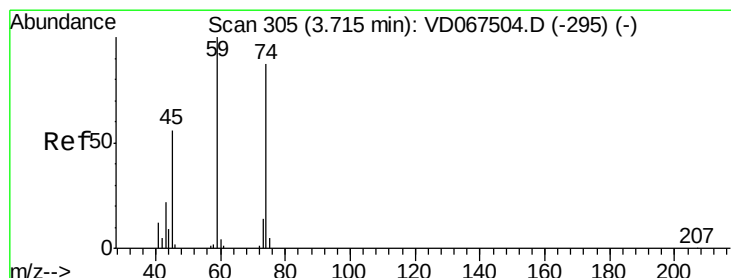
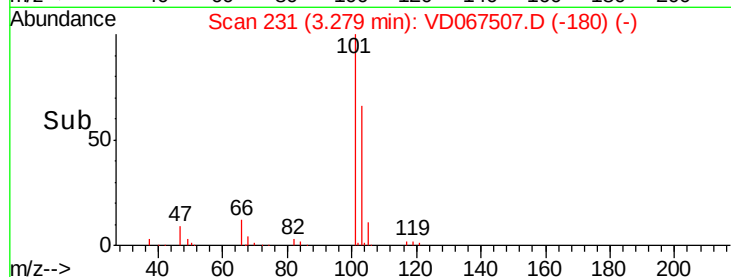
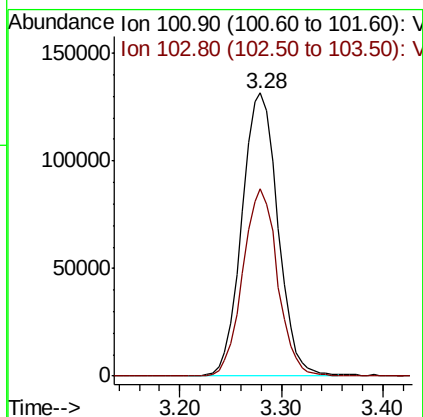
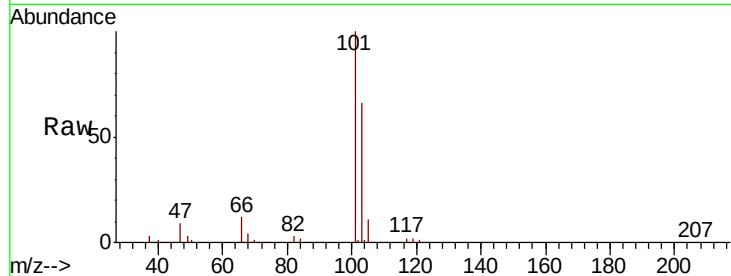


#7

Trichlorofluoromethane
 Concen: 49.989 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VD067507.D
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 ICVVD110320

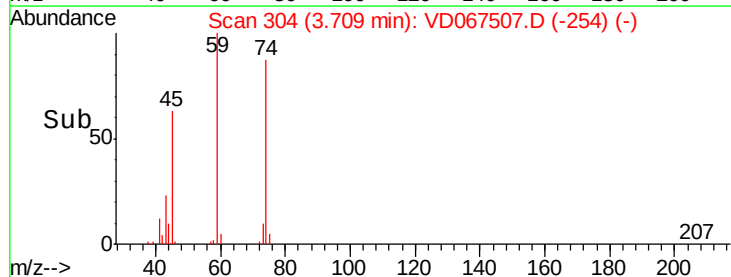
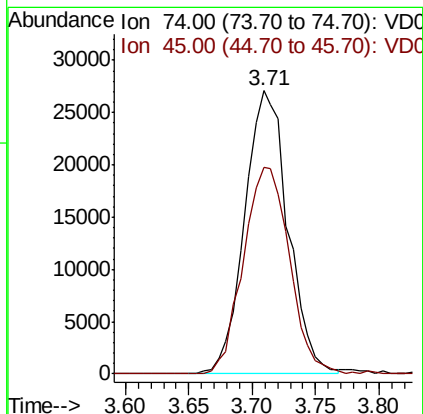
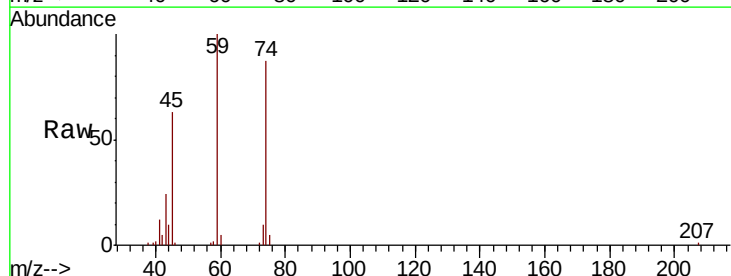
Tot Ion:101 Resp: 323782
 Ion Ratio Lower Upper
 101 100
 103 66.3 48.1 72.1

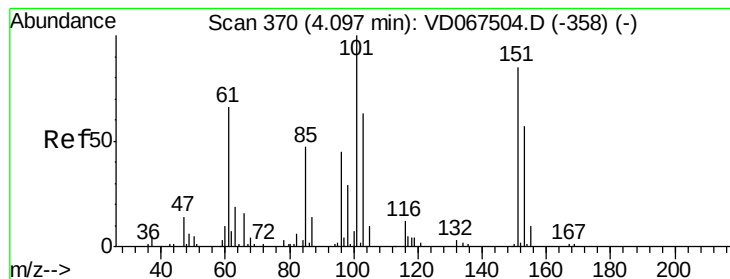


#8

Diethyl Ether
 Concen: 49.358 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion: 74 Resp: 64418
 Ion Ratio Lower Upper
 74 100
 45 77.3 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.411 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

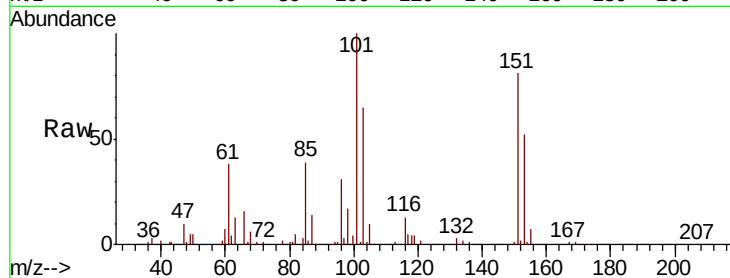
Tot Ion:101 Resp: 168087

Ion Ratio Lower Upper

101 100

85 41.4 34.4 51.6

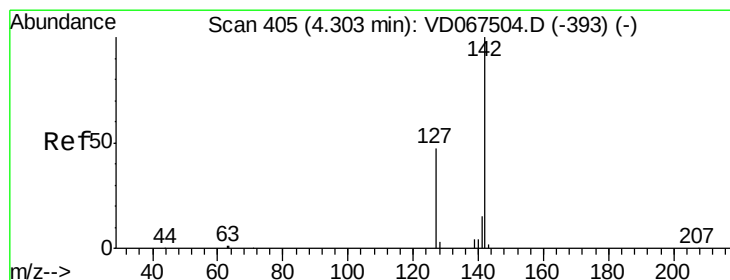
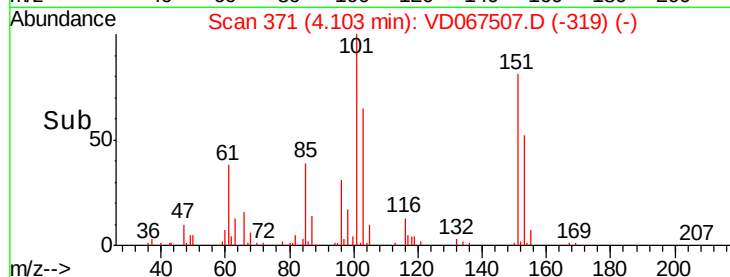
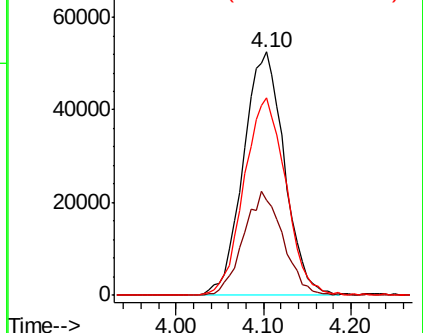
151 82.9 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.011 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

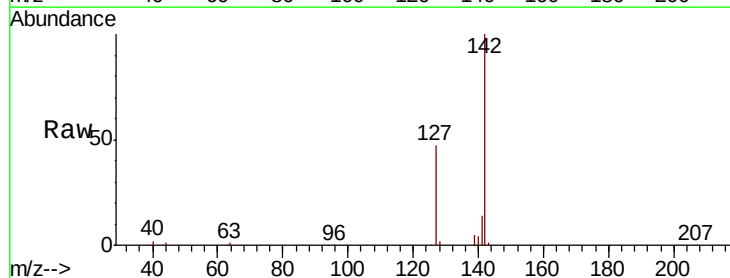
Tgt Ion:142 Resp: 182254

Ion Ratio Lower Upper

142 100

127 48.1 40.0 60.0

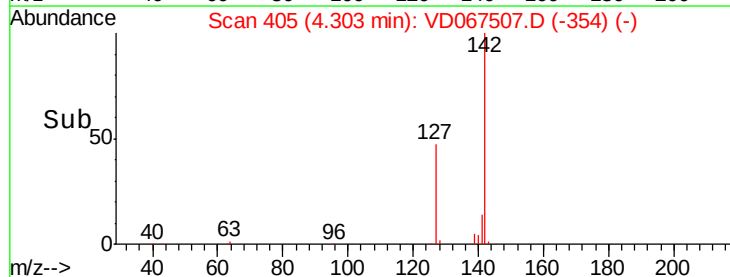
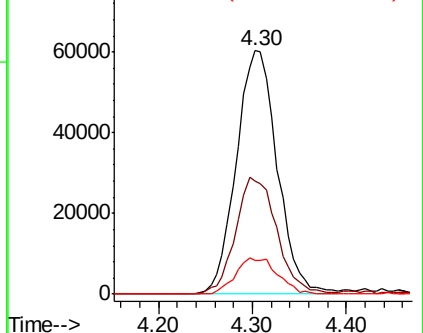
141 15.2 11.7 17.5

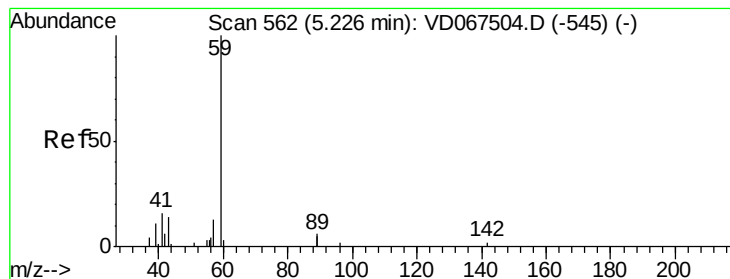


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



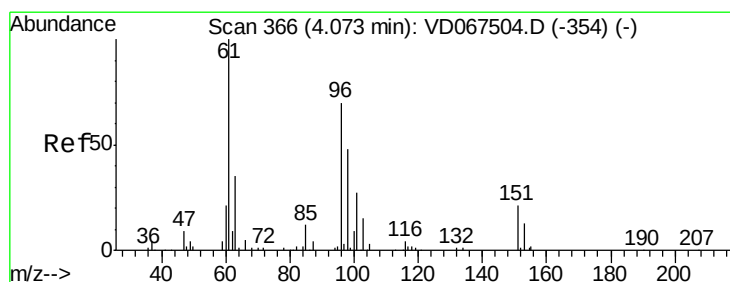
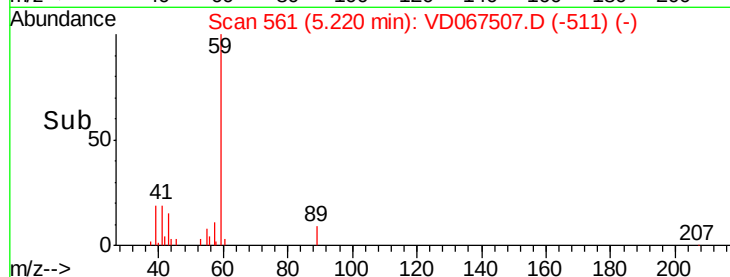
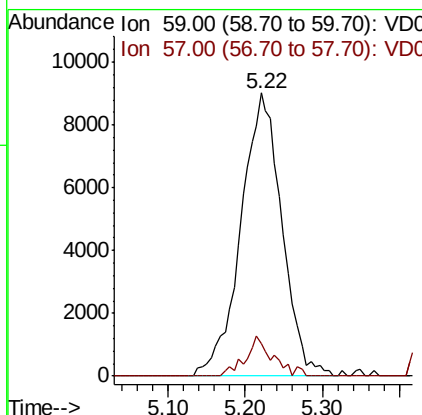
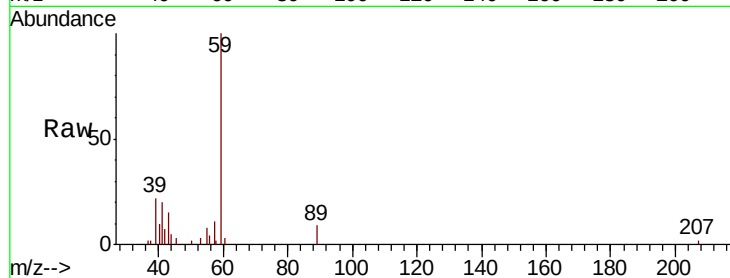


#11

Tert butyl alcohol
 Concen: 246.364 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

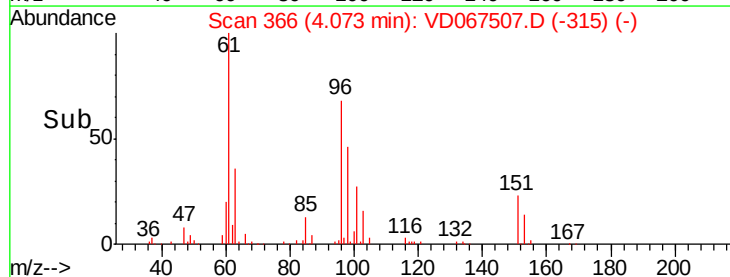
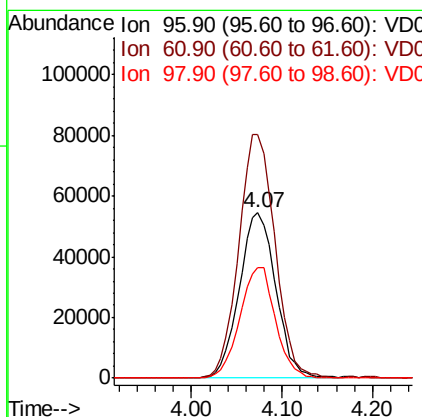
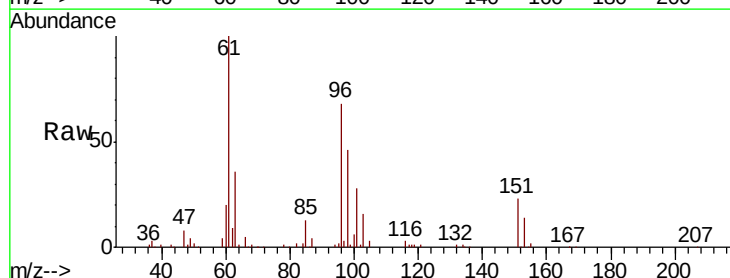
Tot Ion: 59 Resp: 33488
 Ion Ratio Lower Upper
 59 100
 57 8.9 5.9 8.9#

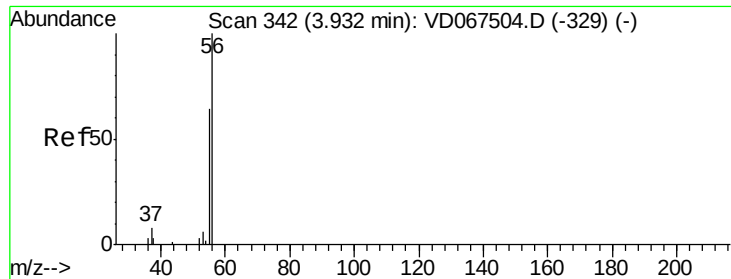


#12

1,1-Dichloroethene
 Concen: 50.839 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion: 96 Resp: 152889
 Ion Ratio Lower Upper
 96 100
 61 147.2 114.5 171.7
 98 67.1 54.5 81.7





#13

Acrolein

Concen: 265.768 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

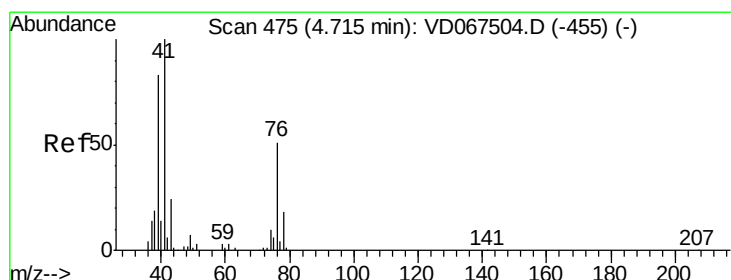
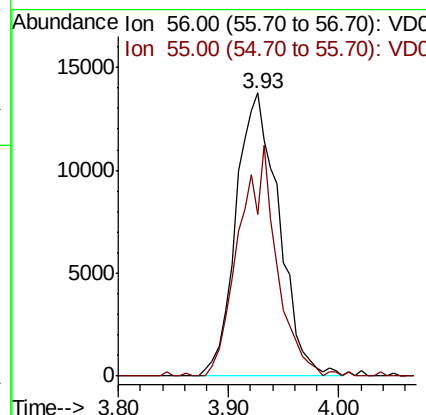
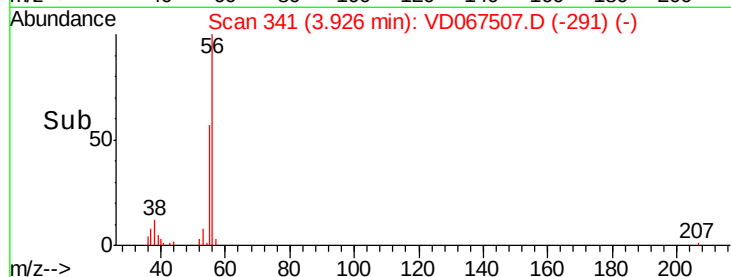
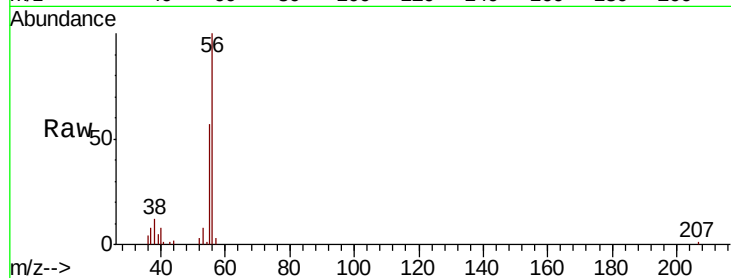
ICVVD110320

Tot Ion: 56 Resp: 37446

Ion Ratio Lower Upper

56 100

55 72.1 55.8 83.8



#14

Allyl chloride

Concen: 53.807 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

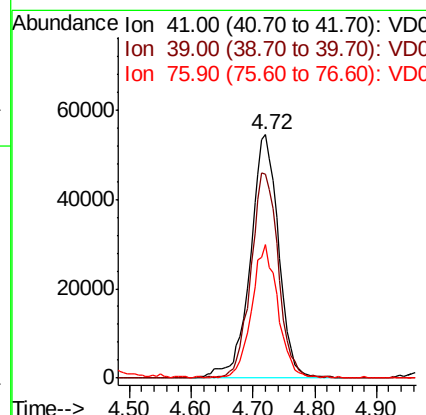
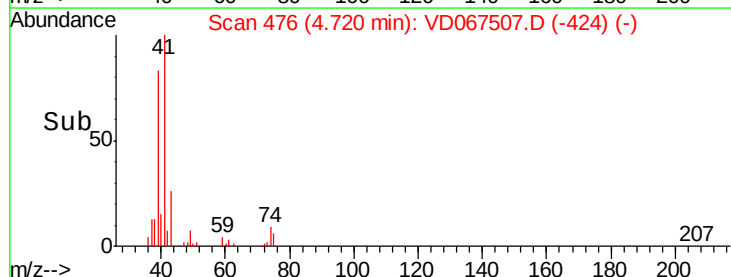
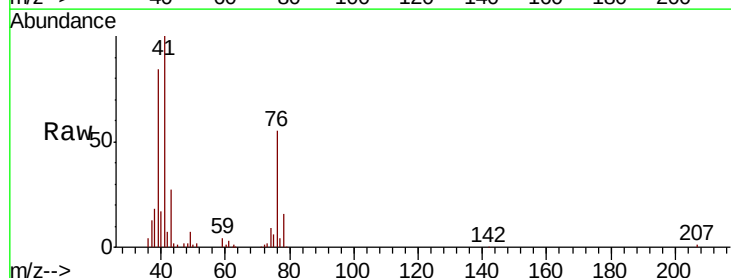
Tgt Ion: 41 Resp: 173183

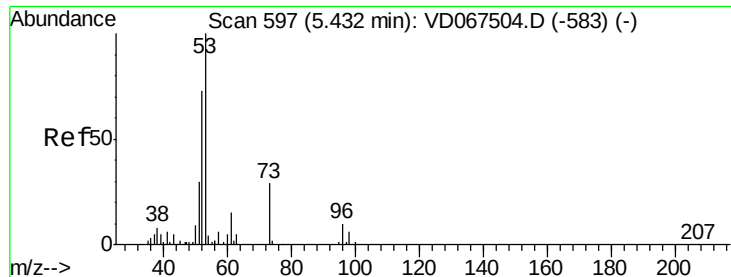
Ion Ratio Lower Upper

41 100

39 81.9 67.4 101.0

76 50.9 42.2 63.2





#15

Acrylonitrile

Concen: 255.838 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

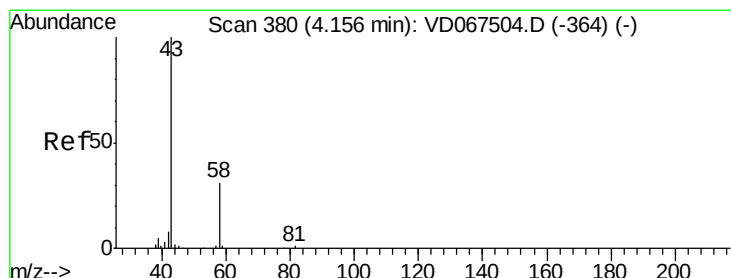
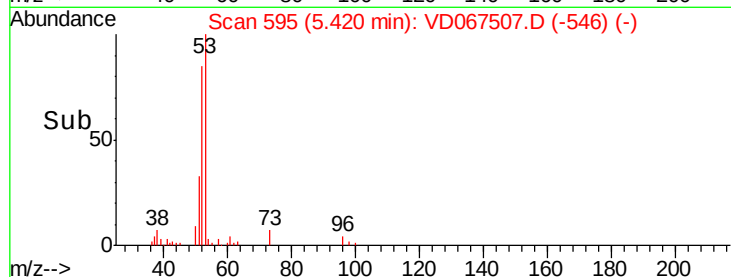
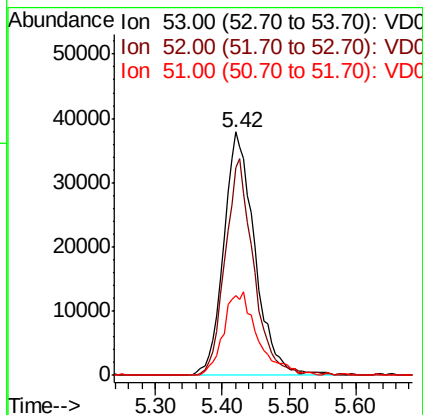
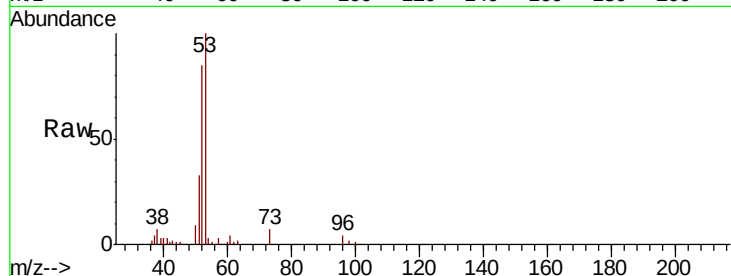
Tot Ion: 53 Resp: 123428

Ion Ratio Lower Upper

53 100

52 81.0 64.8 97.2

51 37.5 29.5 44.3



#16

Acetone

Concen: 261.501 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067507.D

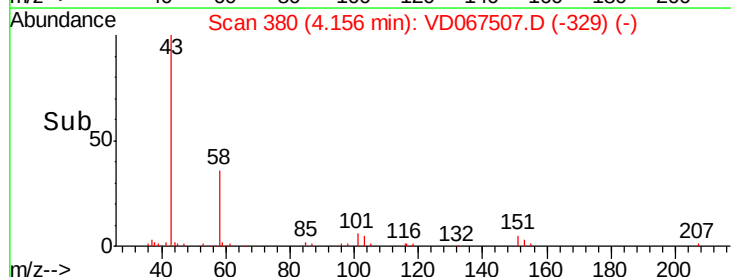
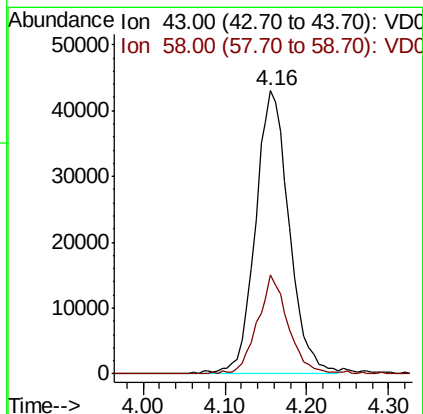
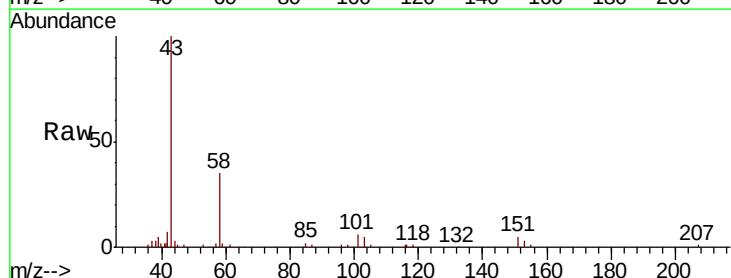
Acq: 03 Nov 2020 13:24

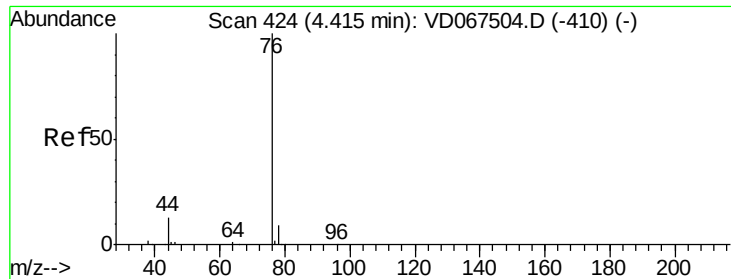
Tgt Ion: 43 Resp: 123286

Ion Ratio Lower Upper

43 100

58 35.0 25.2 37.8





#17

Carbon Disulfide

Concen: 50.654 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

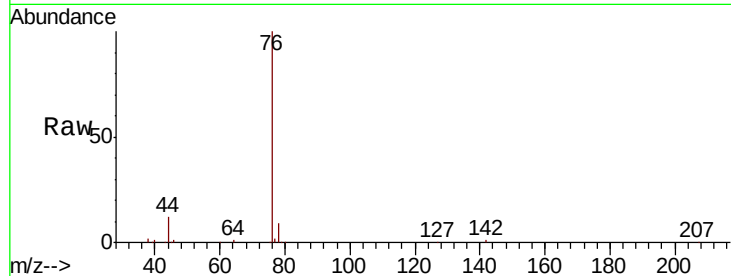
ICVVD110320

Tot Ion: 76 Resp: 466791

Ion Ratio Lower Upper

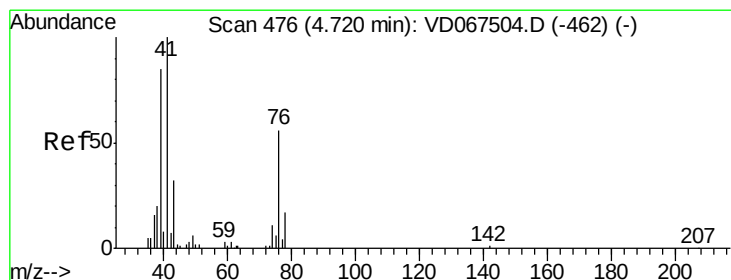
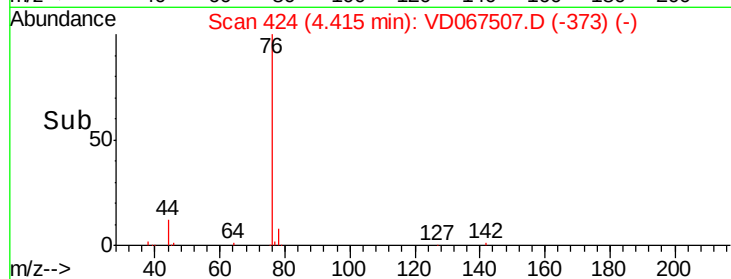
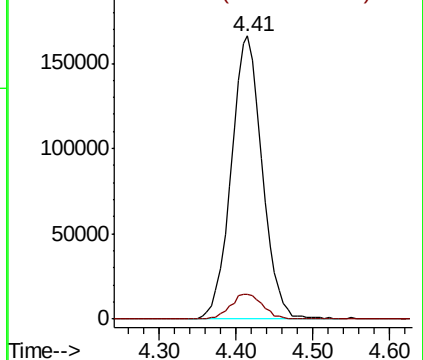
76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.776 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067507.D

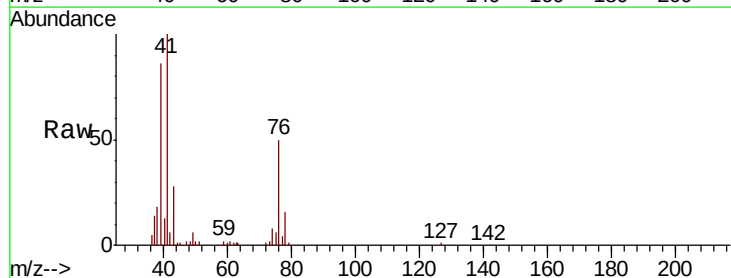
Acq: 03 Nov 2020 13:24

Tgt Ion: 43 Resp: 46545

Ion Ratio Lower Upper

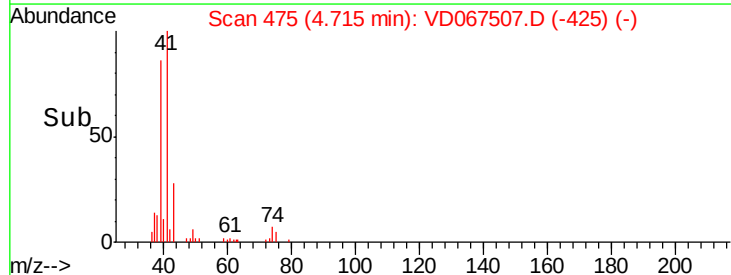
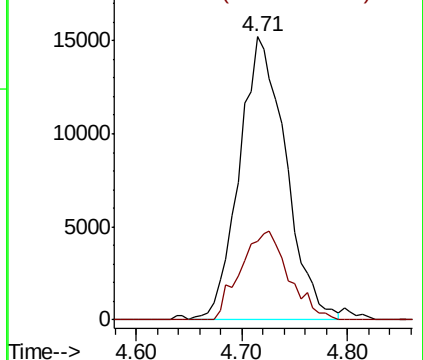
43 100

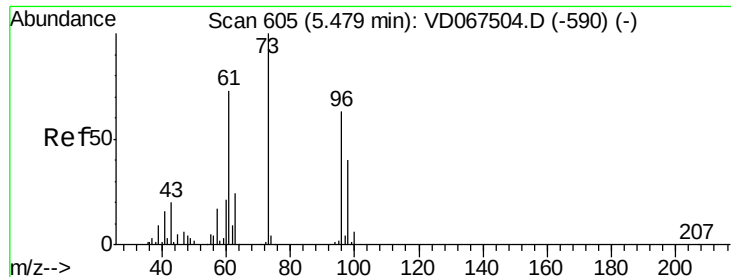
74 32.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

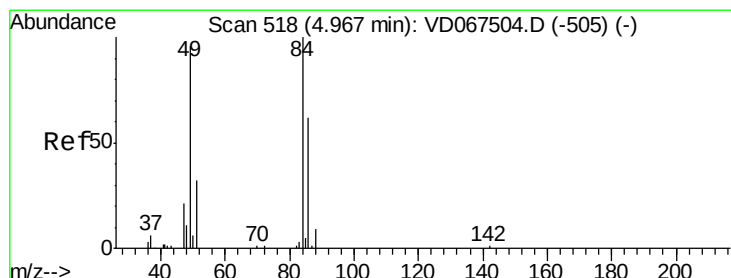
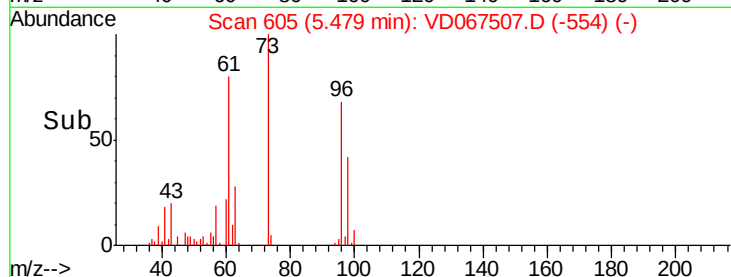
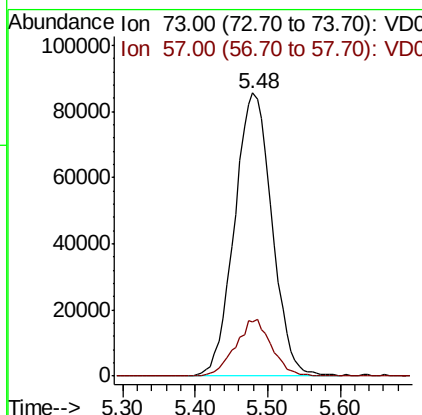
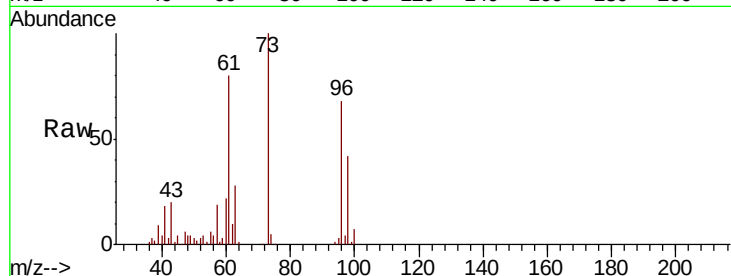




#19
Methyl tert-butyl Ether
Concen: 51.856 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

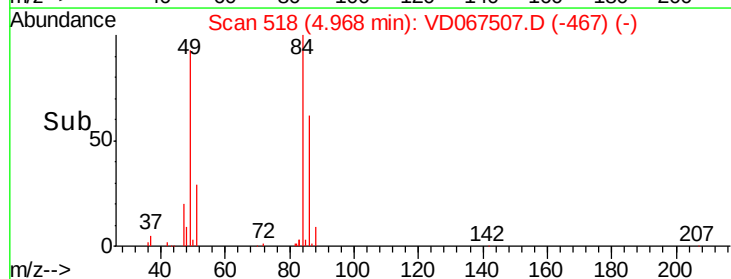
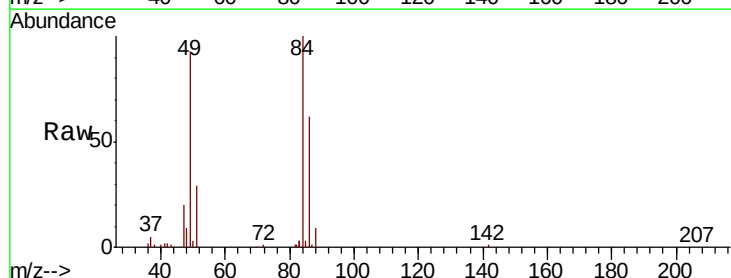
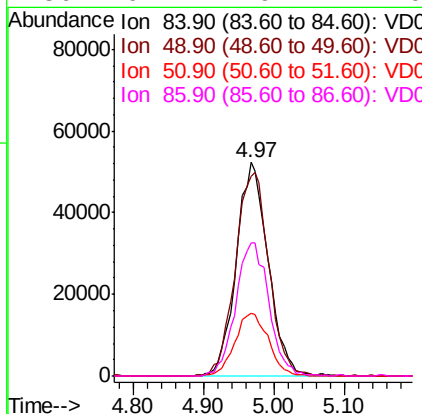
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

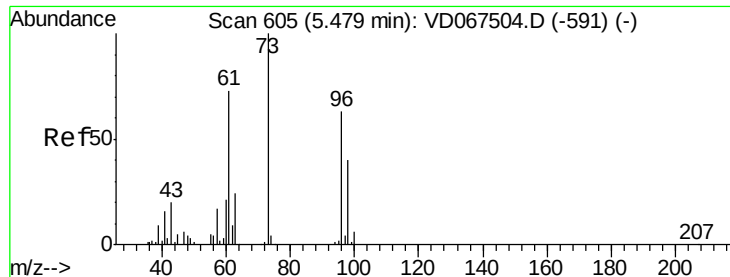
Tot Ion: 73 Resp: 307604
Ion Ratio Lower Upper
73 100
57 19.0 13.4 20.0



#20
Methylene Chloride
Concen: 49.495 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 84 Resp: 164834
Ion Ratio Lower Upper
84 100
49 93.5 77.0 115.4
51 29.3 25.4 38.2
86 62.2 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 50.933 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

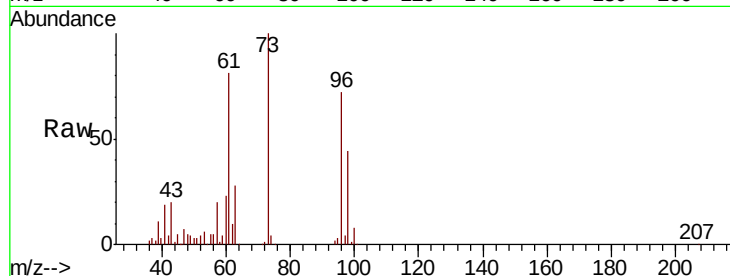
Tot Ion: 96 Resp: 178403

Ion Ratio Lower Upper

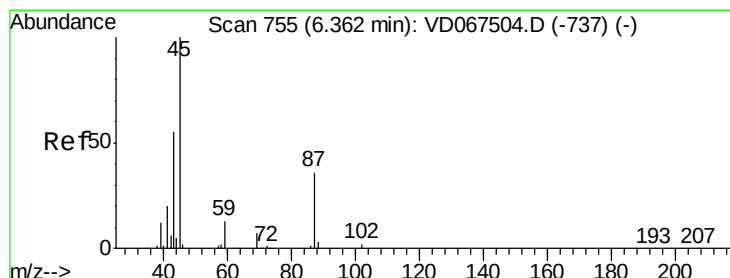
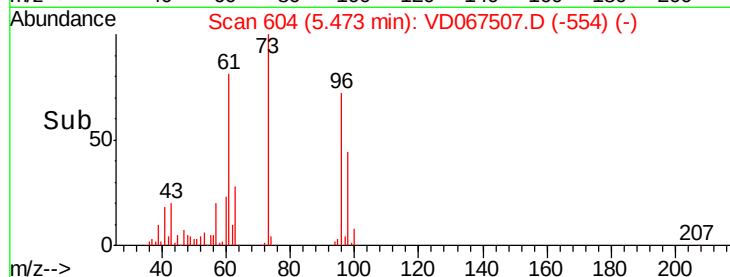
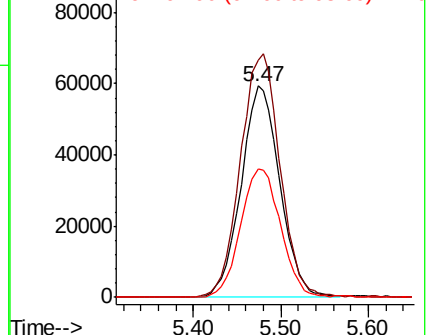
96 100

61 112.6 93.0 139.6

98 60.8 50.9 76.3



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



#22

Diisopropyl ether

Concen: 52.388 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion: 45 Resp: 328585

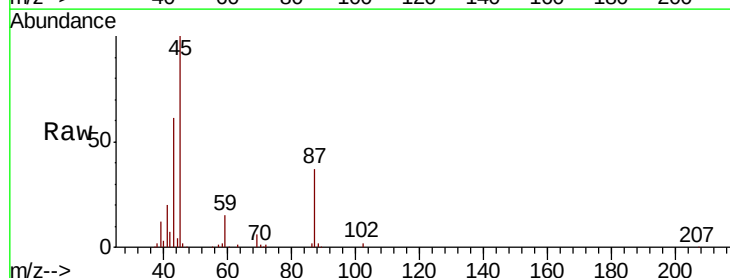
Ion Ratio Lower Upper

45 100

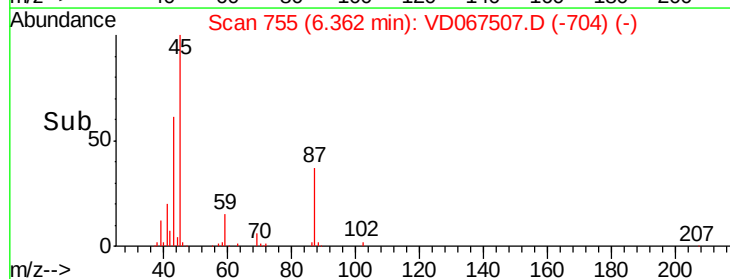
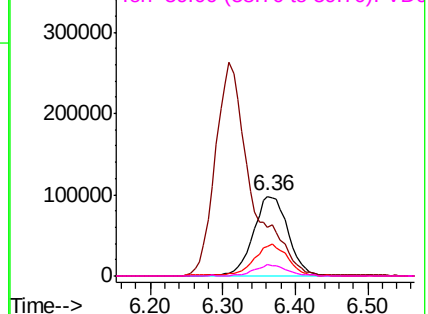
43 59.5 46.2 69.4

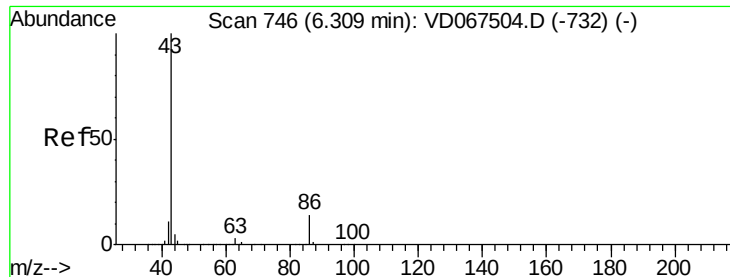
87 36.3 29.4 44.2

59 14.8 10.8 16.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 276.297 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

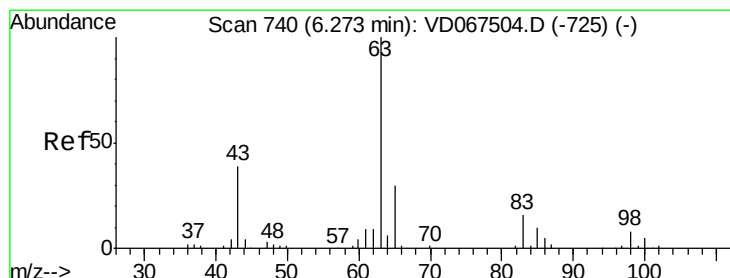
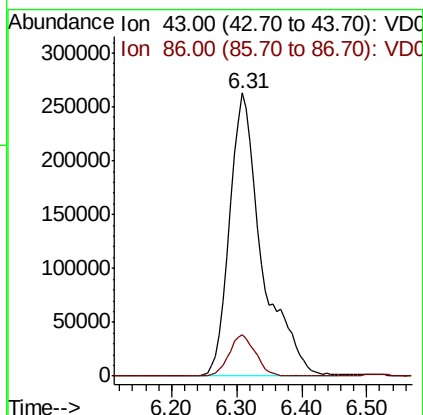
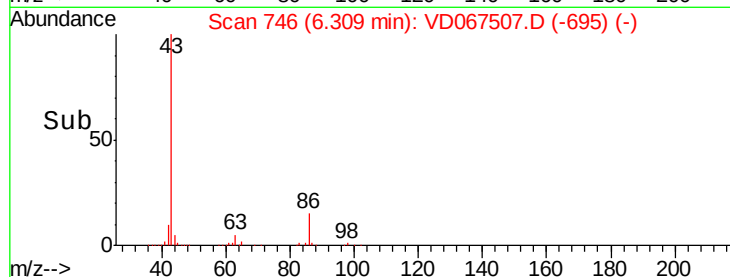
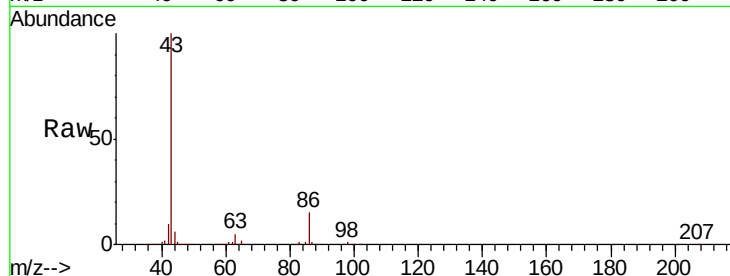
ICVVD110320

Tot Ion: 43 Resp: 907123

Ion Ratio Lower Upper

43 100

86 14.7 11.6 17.4



#24

1,1-Dichloroethane

Concen: 49.892 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

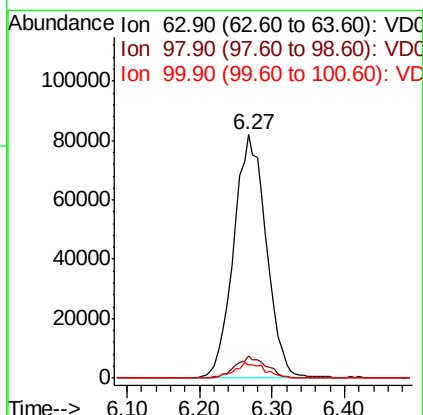
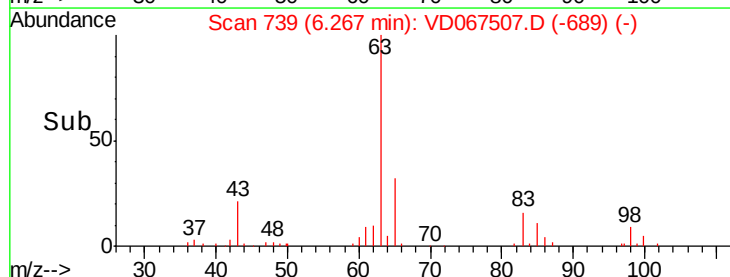
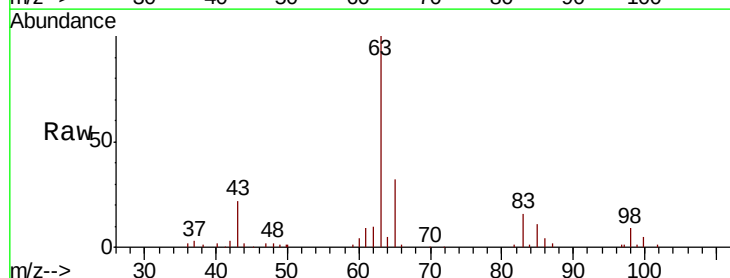
Tgt Ion: 63 Resp: 256006

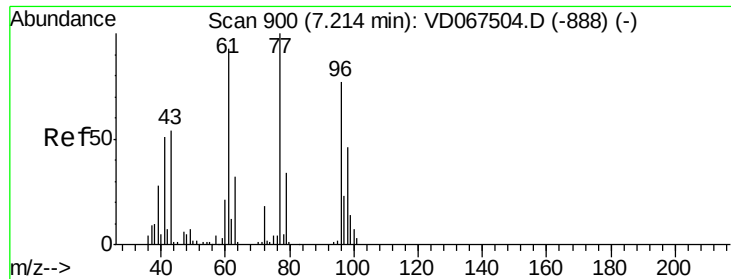
Ion Ratio Lower Upper

63 100

98 8.9 3.9 11.5

100 5.2 2.6 7.8

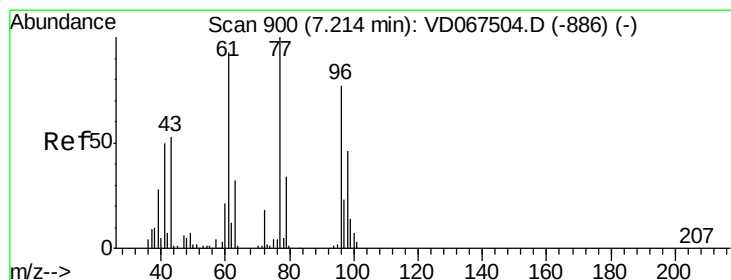
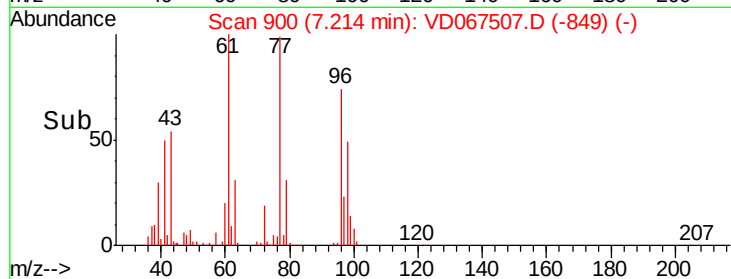
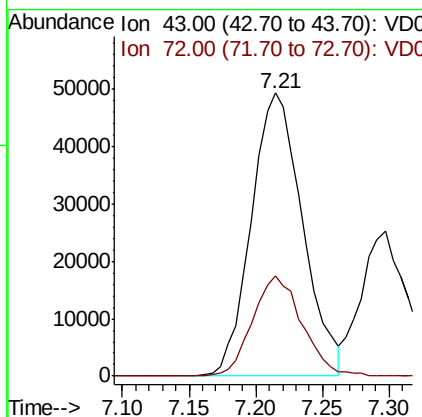
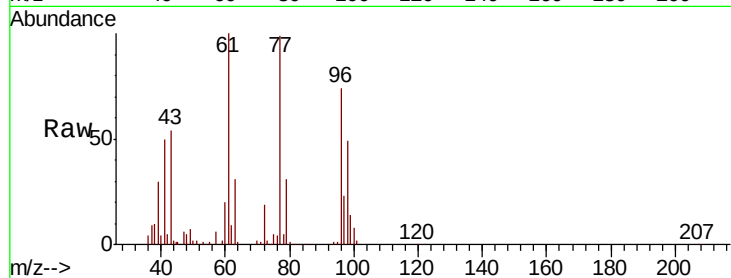




#25
2-Butanone
Concen: 261.284 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

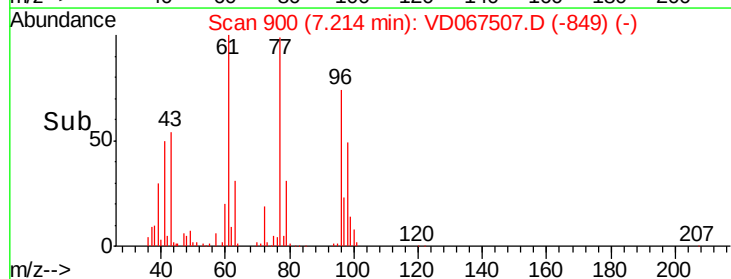
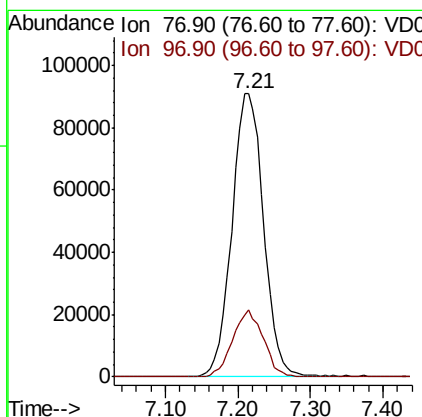
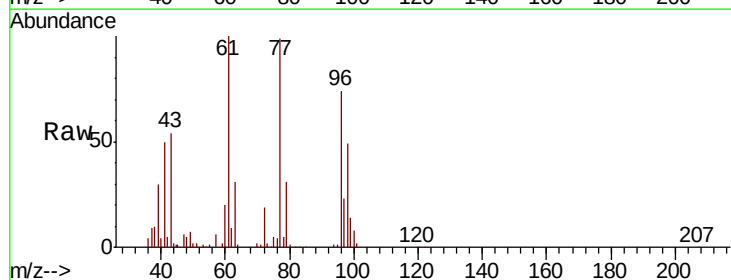
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

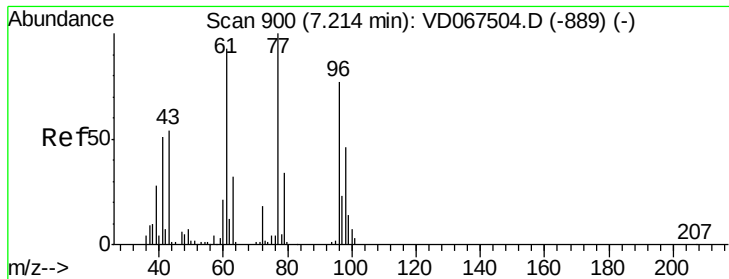
Tot Ion: 43 Resp: 131625
Ion Ratio Lower Upper
43 100
72 35.3 26.4 39.6



#26
2,2-Dichloropropane
Concen: 50.765 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 77 Resp: 274913
Ion Ratio Lower Upper
77 100
97 22.9 11.1 33.3



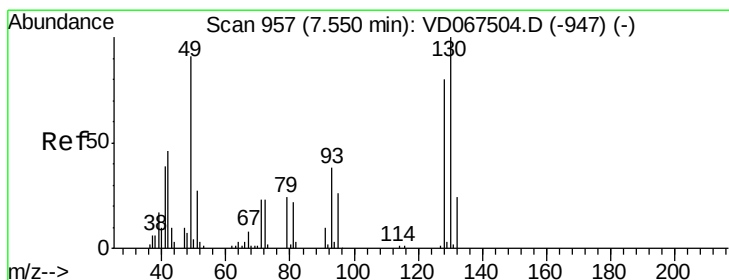
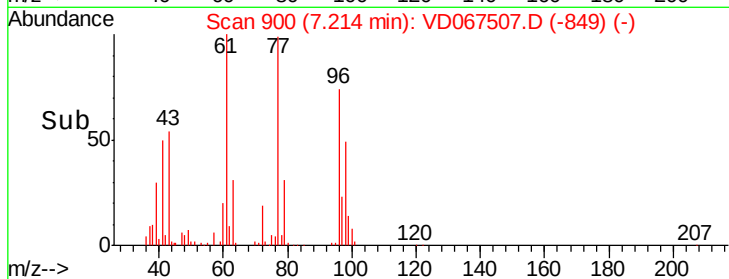
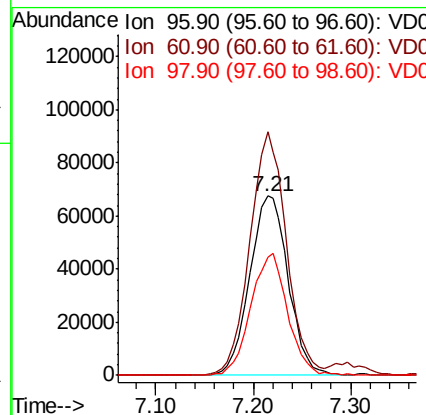
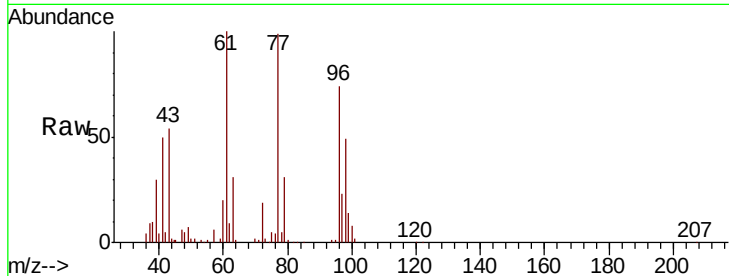


#27

cis-1,2-Dichloroethene
 Concen: 51.173 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

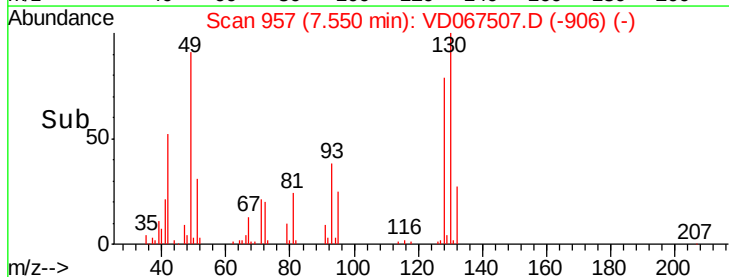
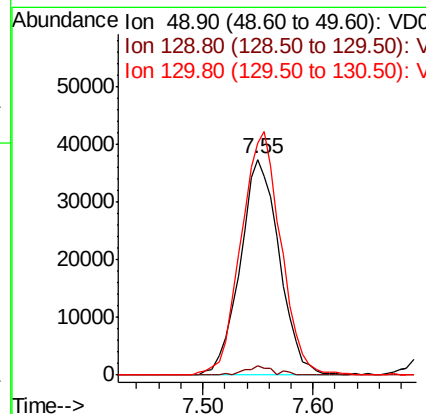
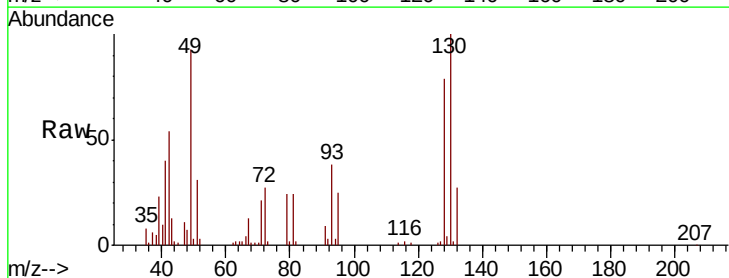
Tot Ion: 96 Resp: 186047
 Ion Ratio Lower Upper
 96 100
 61 129.8 0.0 251.6
 98 65.3 0.0 128.0

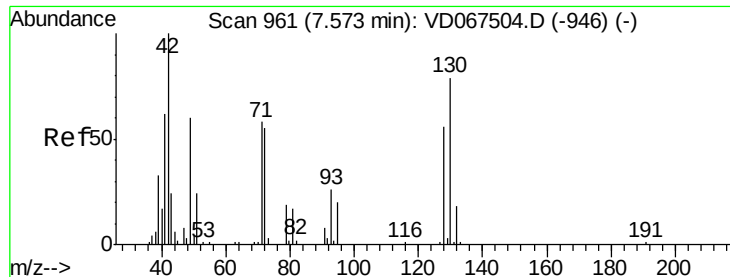


#28

Bromochloromethane
 Concen: 50.928 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion: 49 Resp: 92953
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 6.4
 130 115.2 94.6 142.0

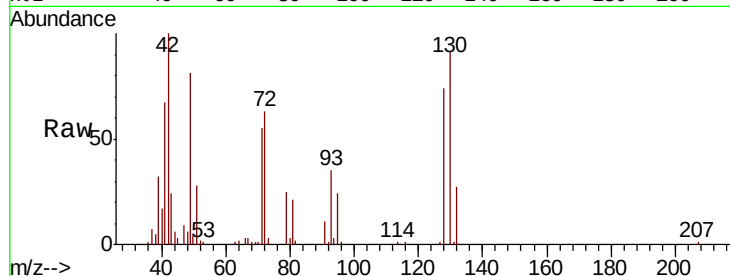




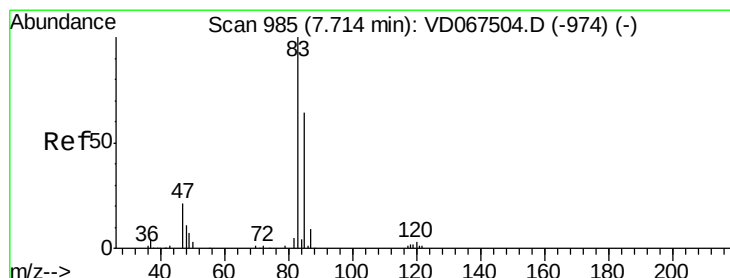
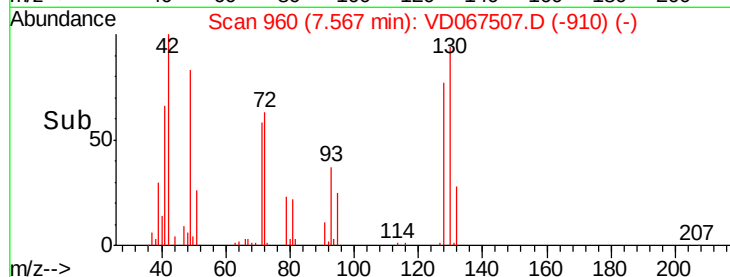
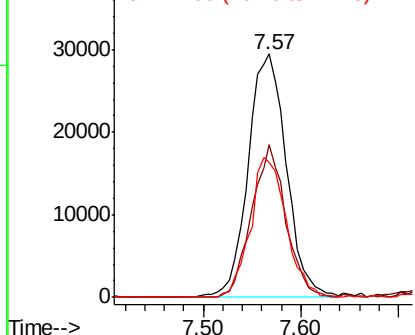
#29
Tetrahydrofuran
Concen: 267.409 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion: 42 Resp: 80692
Ion Ratio Lower Upper
42 100
72 55.9 46.3 69.5
71 54.0 44.0 66.0

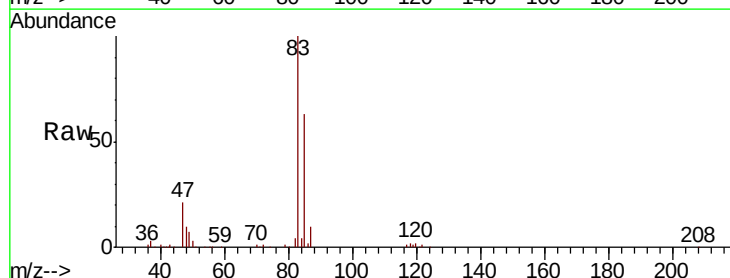


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

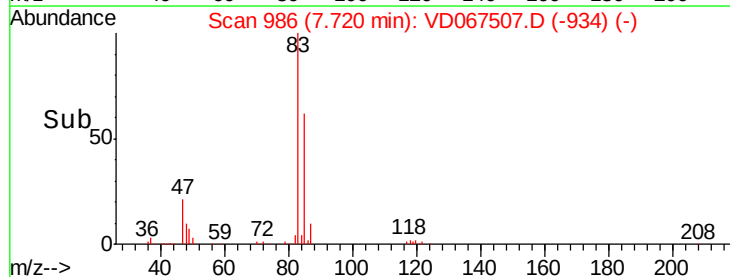
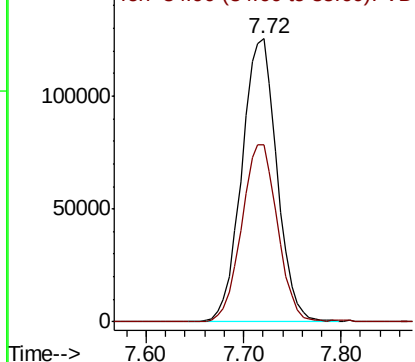


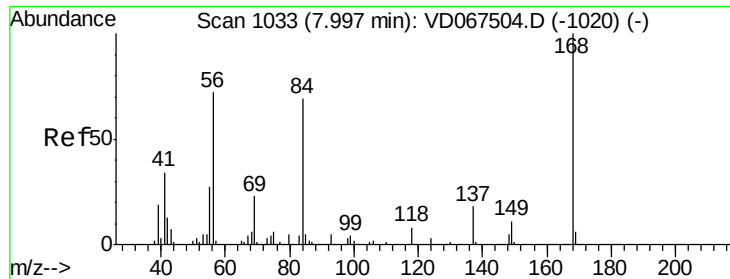
#30
Chloroform
Concen: 51.301 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 83 Resp: 314037
Ion Ratio Lower Upper
83 100
85 62.7 51.5 77.3



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

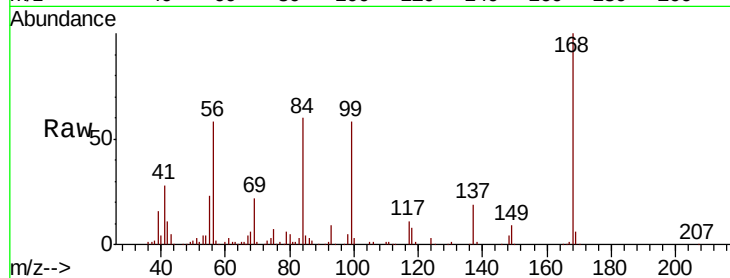




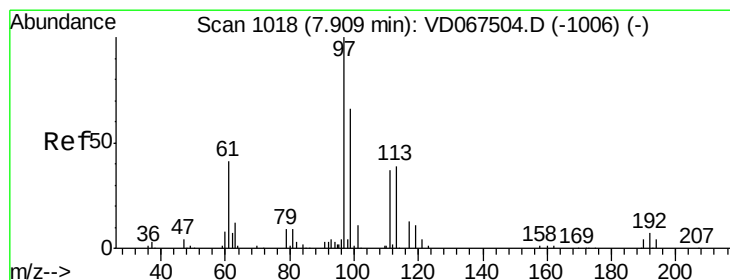
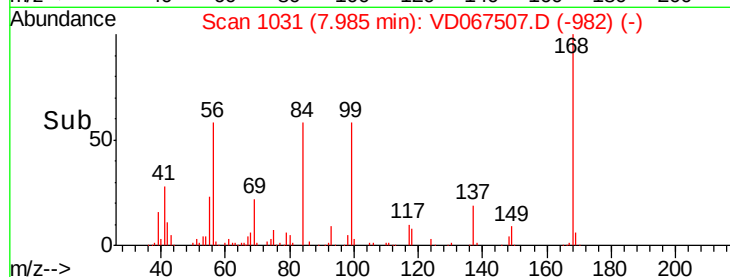
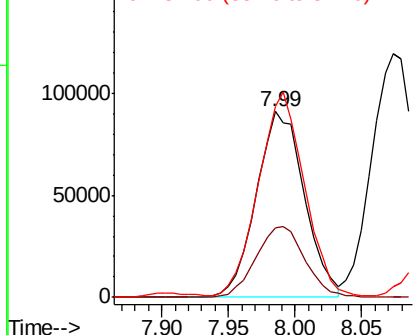
#31
Cyclohexane
Concen: 49.846 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion: 56 Resp: 227765
Ion Ratio Lower Upper
56 100
69 37.2 25.9 38.9
84 101.4 76.2 114.4

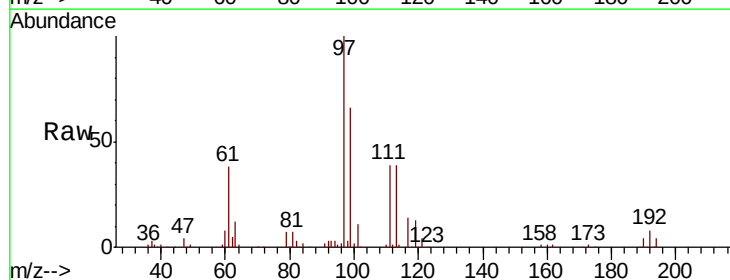


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

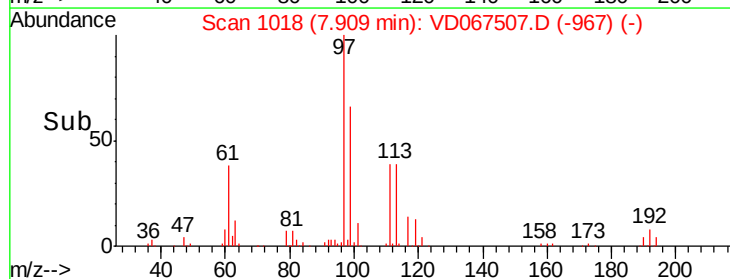
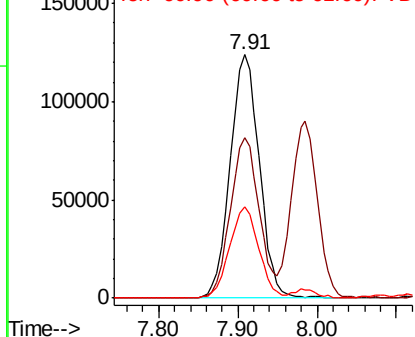


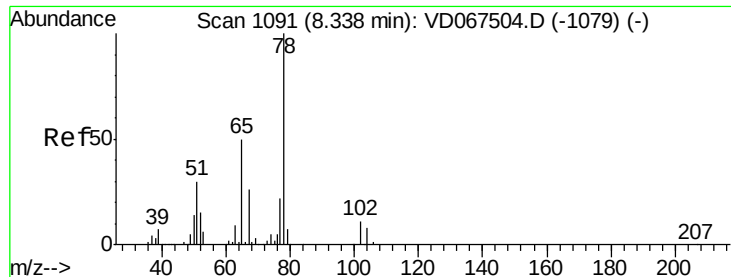
#32
1,1,1-Trichloroethane
Concen: 49.951 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 97 Resp: 315490
Ion Ratio Lower Upper
97 100
99 65.6 51.8 77.6
61 37.3 30.5 45.7



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

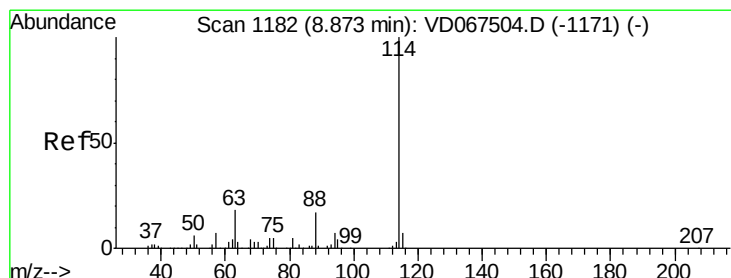
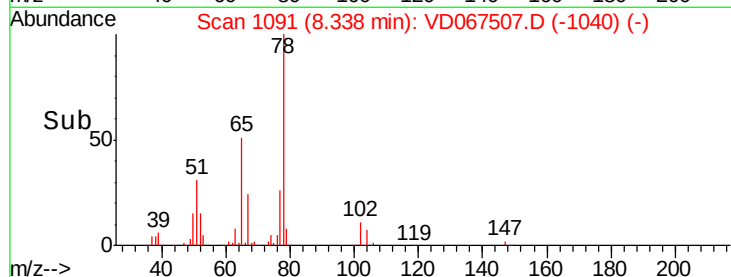
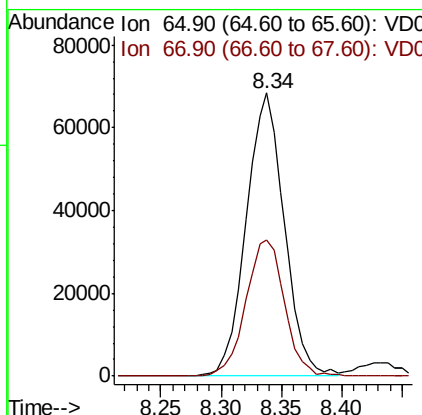
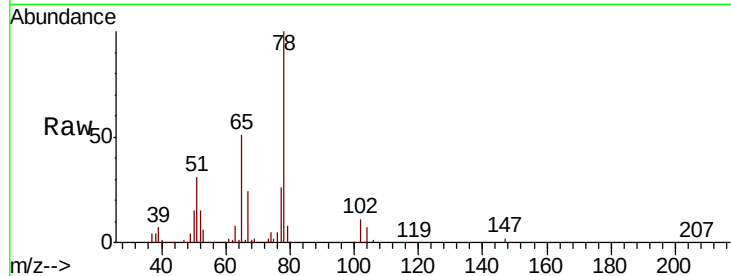




#33
 1,2-Dichloroethane-d4
 Concen: 47.685 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

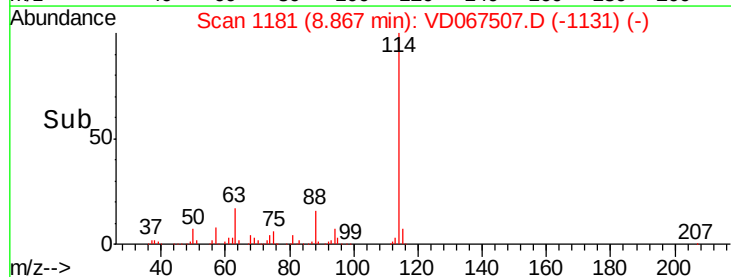
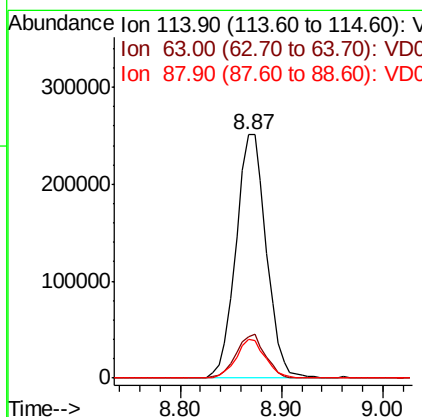
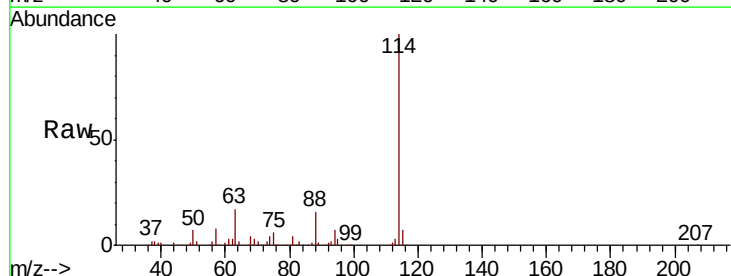
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

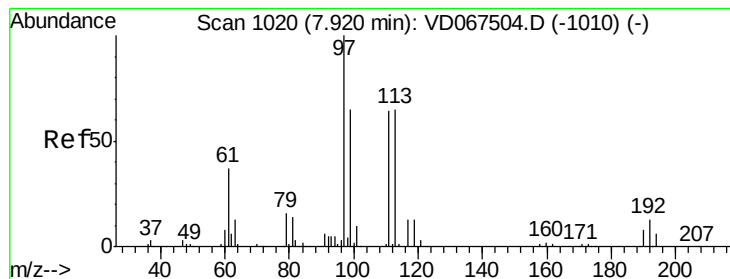
Tot Ion: 65 Resp: 150232
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion: 114 Resp: 522925
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.0
 88 15.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.491 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

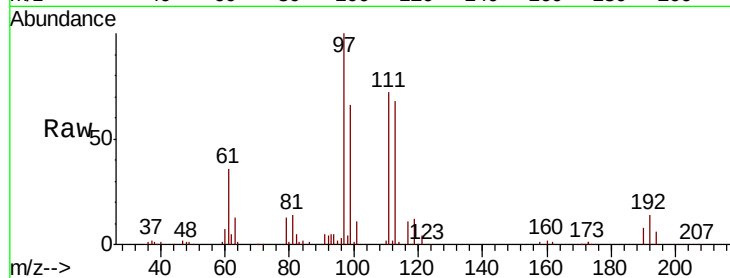
Tot Ion:113 Resp: 155928

Ion Ratio Lower Upper

113 100

111 102.1 80.0 120.0

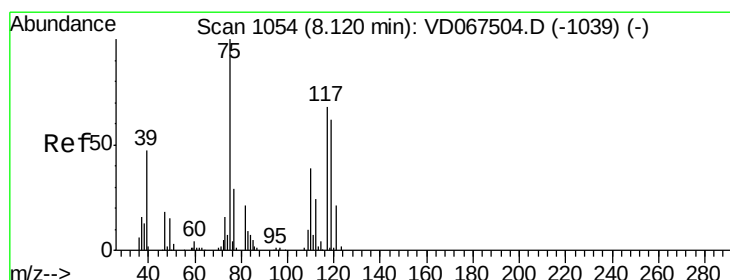
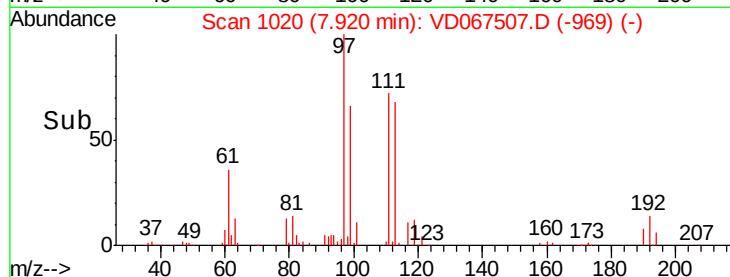
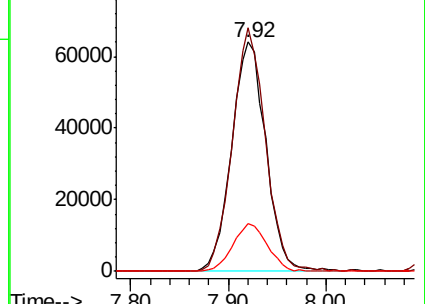
192 21.0 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.158 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

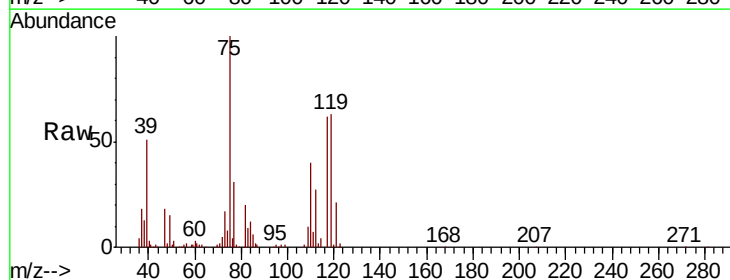
Tgt Ion: 75 Resp: 233465

Ion Ratio Lower Upper

75 100

110 39.0 19.9 59.7

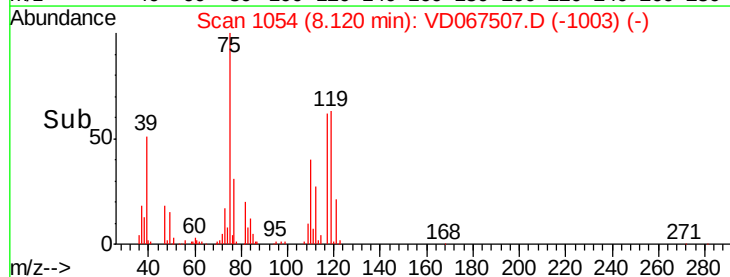
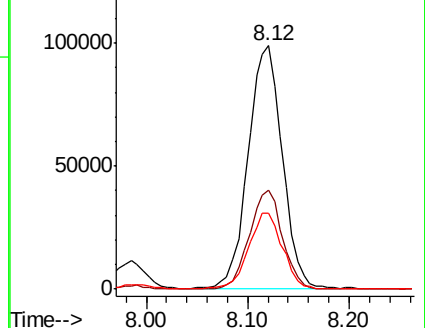
77 31.1 24.8 37.2

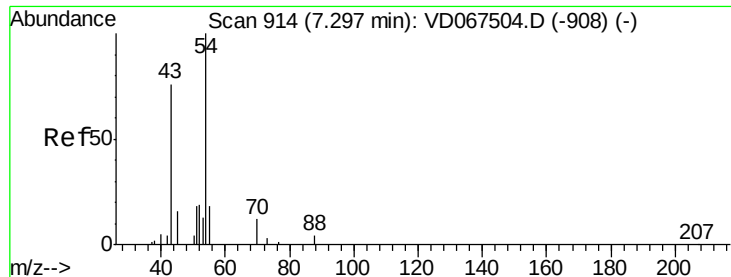


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

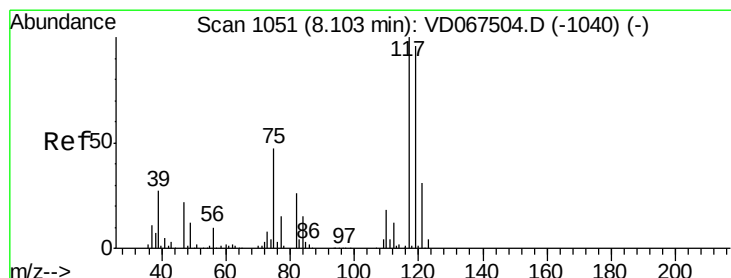
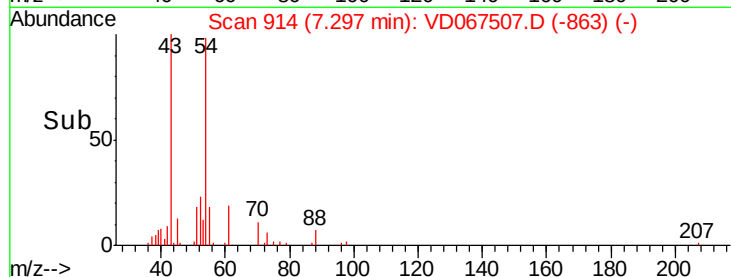
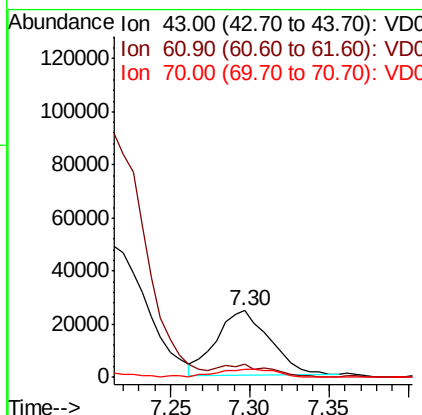
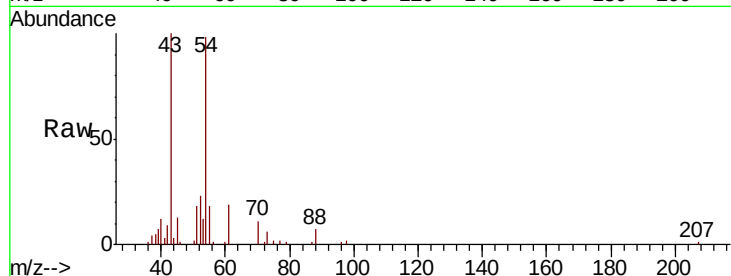




#37
Ethyl Acetate
Concen: 49.703 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

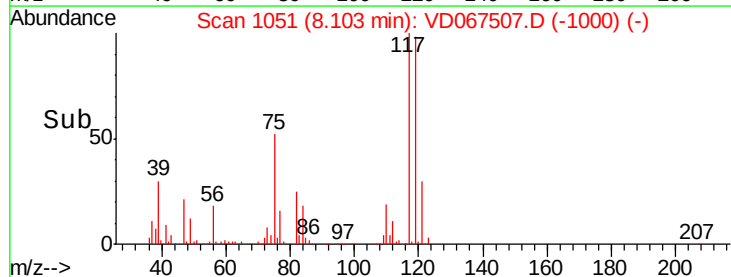
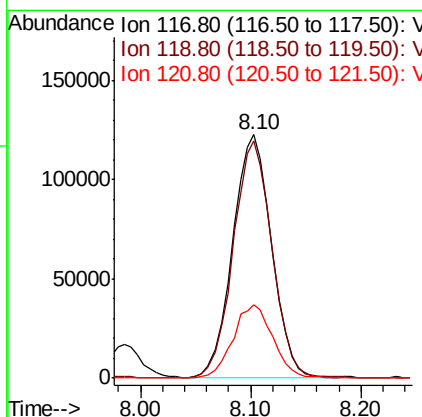
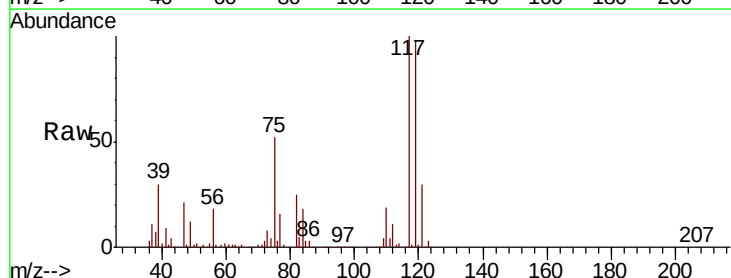
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

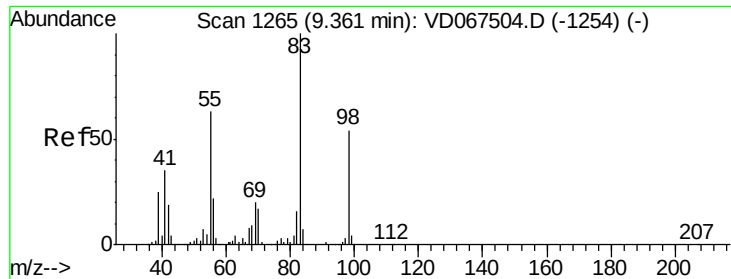
Tot Ion: 43 Resp: 57759
Ion Ratio Lower Upper
43 100
61 17.5 12.8 19.2
70 14.2 11.7 17.5



#38
Carbon Tetrachloride
Concen: 51.875 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 117 Resp: 301690
Ion Ratio Lower Upper
117 100
119 97.7 76.9 115.3
121 30.1 24.5 36.7

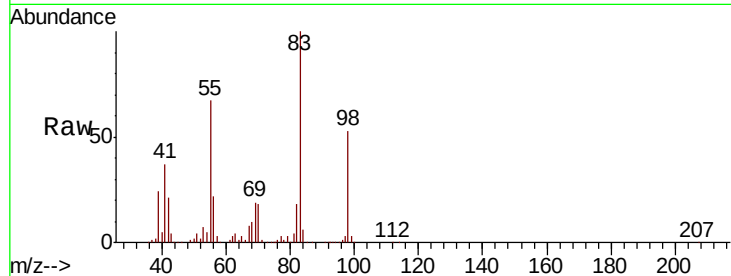




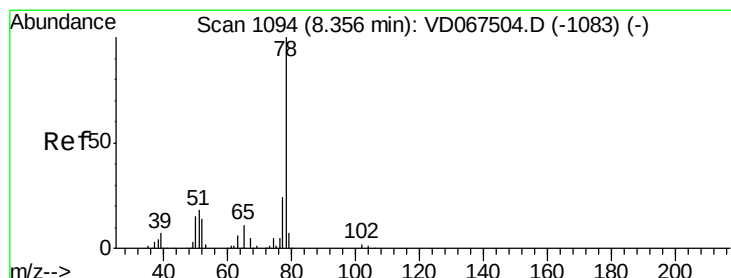
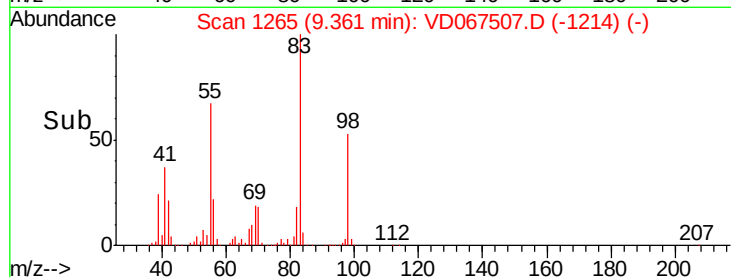
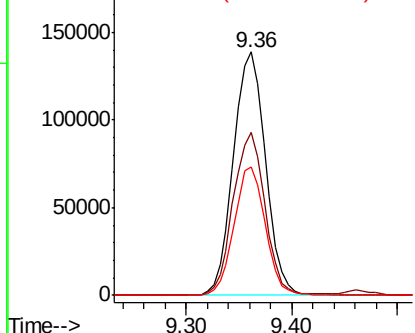
#39
Methylvlcyclohexane
Concen: 55.693 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion: 83 Resp: 293408
Ion Ratio Lower Upper
83 100
55 66.8 50.5 75.7
98 52.6 43.4 65.0

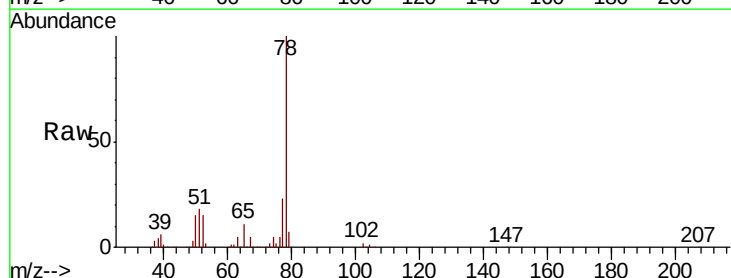


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

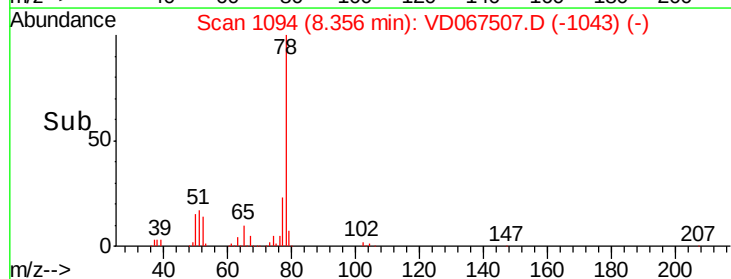
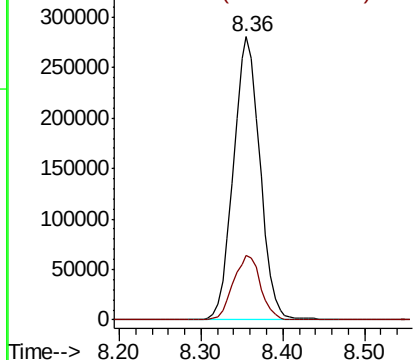


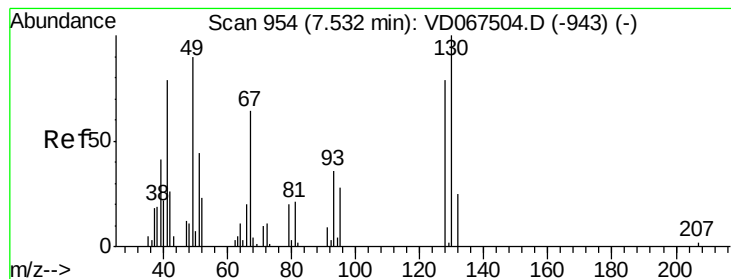
#40
Benzene
Concen: 52.247 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 78 Resp: 633492
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7



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





#41

Methacrylonitrile

Concen: 47.875 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

Tot Ion: 41 Resp: 33256

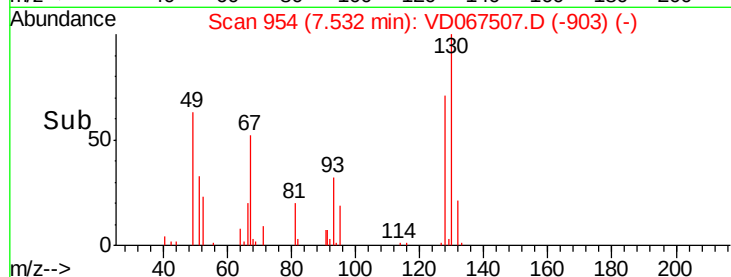
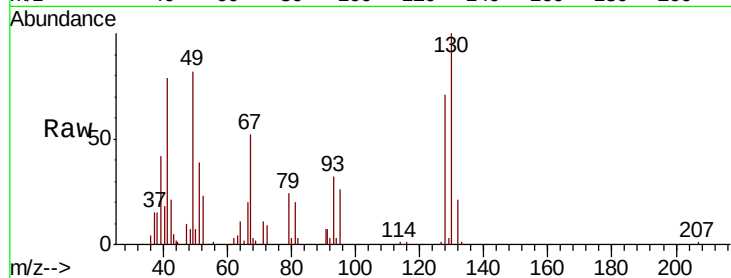
Ion Ratio Lower Upper

41 100

39 65.8 51.3 76.9

67 98.1 78.9 118.3

52 41.0 31.4 47.2

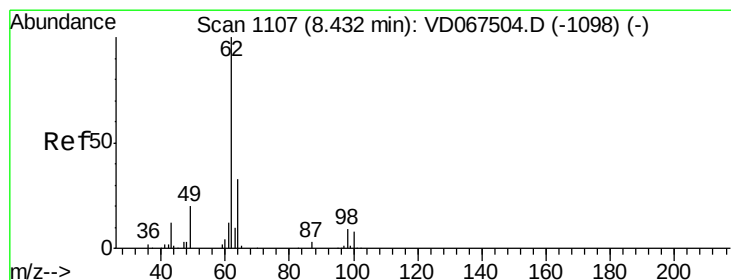
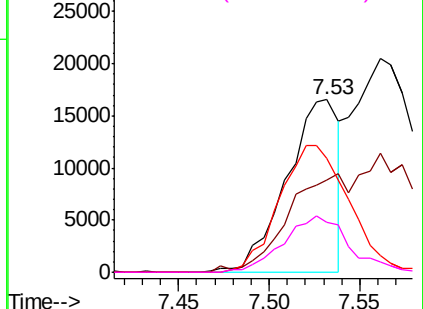


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.391 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067507.D

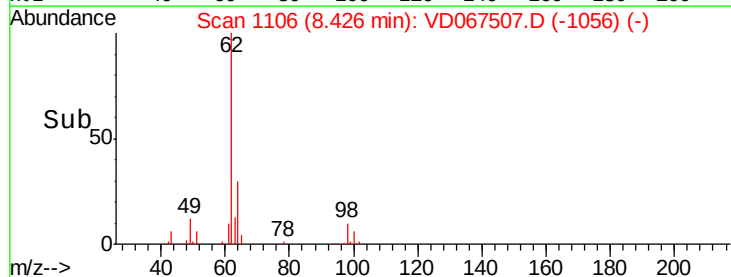
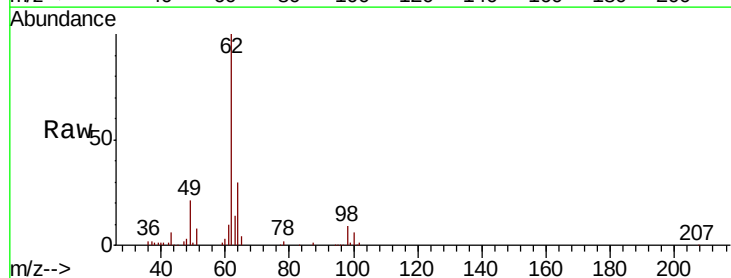
Acq: 03 Nov 2020 13:24

Tgt Ion: 62 Resp: 188773

Ion Ratio Lower Upper

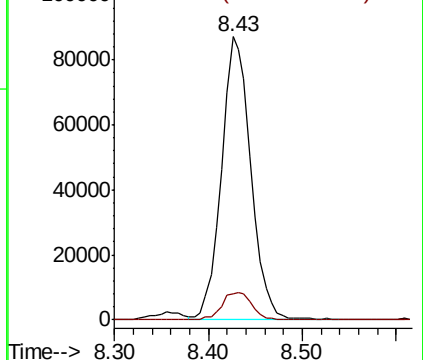
62 100

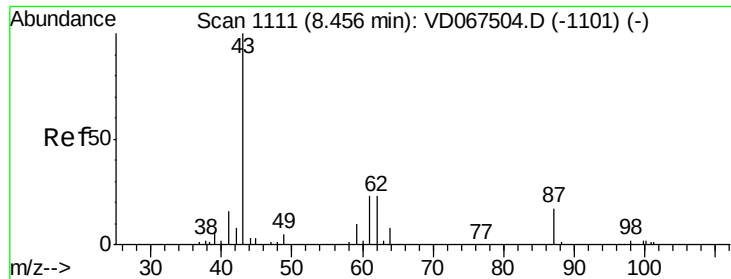
98 9.9 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 53.947 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

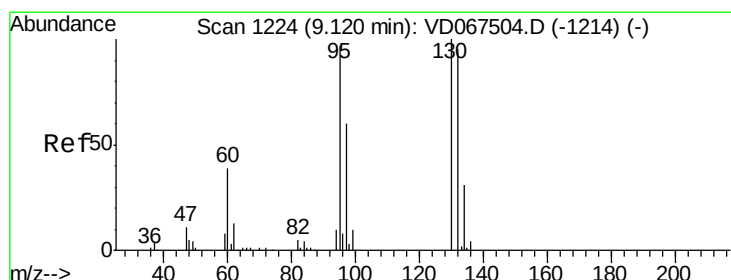
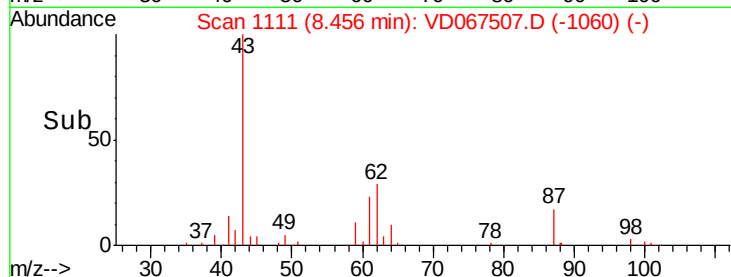
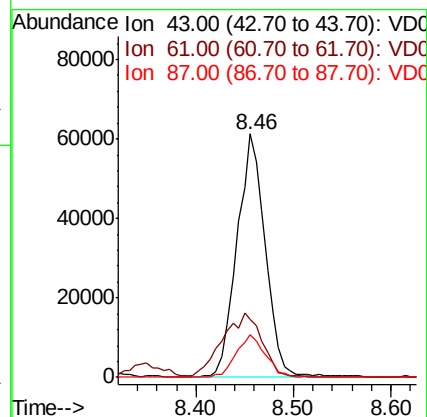
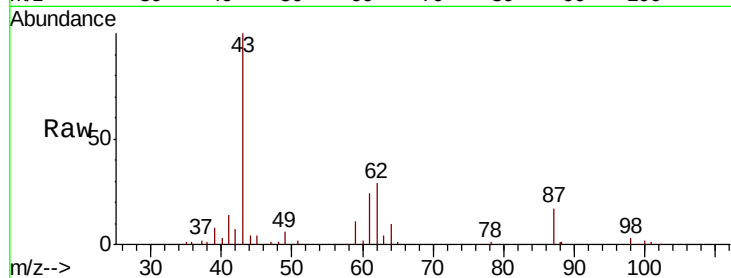
Tot Ion: 43 Resp: 123985

Ion Ratio Lower Upper

43 100

61 37.2 30.5 45.7

87 17.9 14.7 22.1



#44

Trichloroethene

Concen: 51.497 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD067507.D

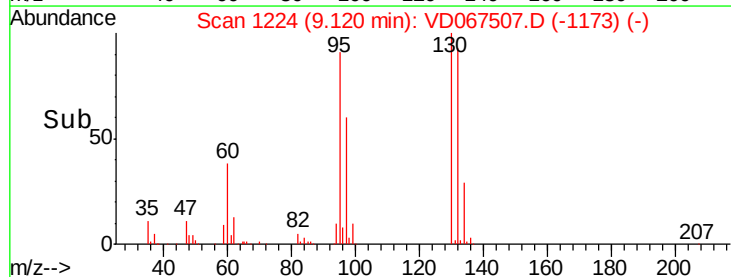
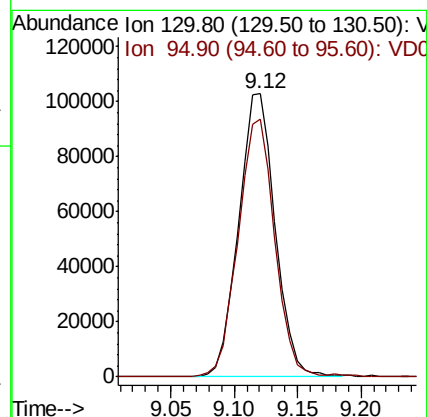
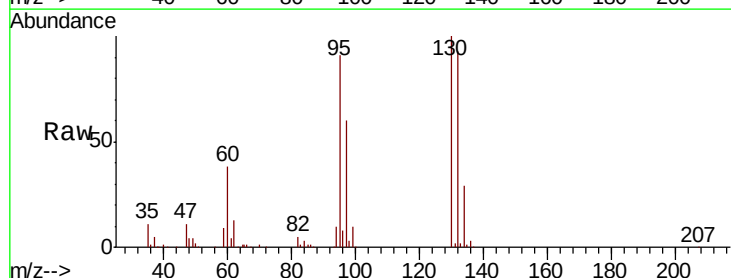
Acq: 03 Nov 2020 13:24

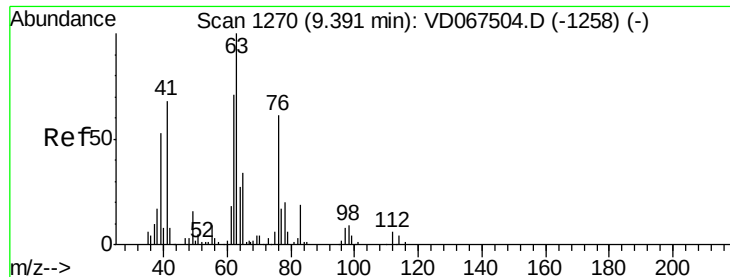
Tgt Ion: 130 Resp: 205305

Ion Ratio Lower Upper

130 100

95 91.3 0.0 194.4





#45

1,2-Dichloropropane

Concen: 53.669 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

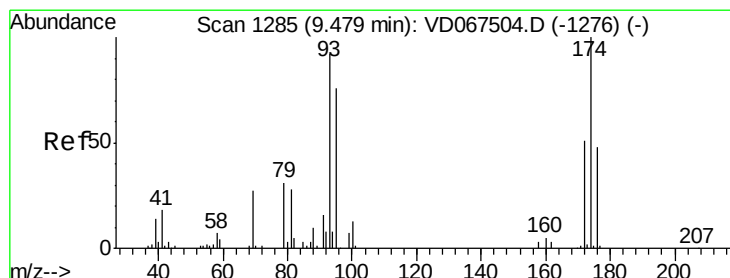
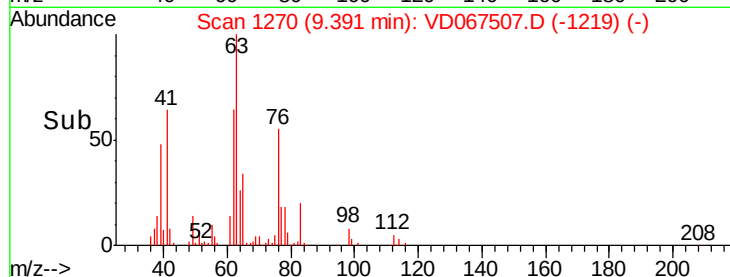
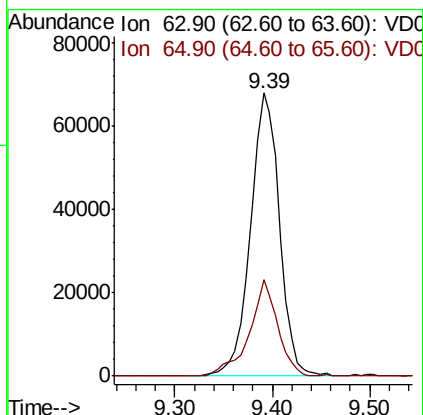
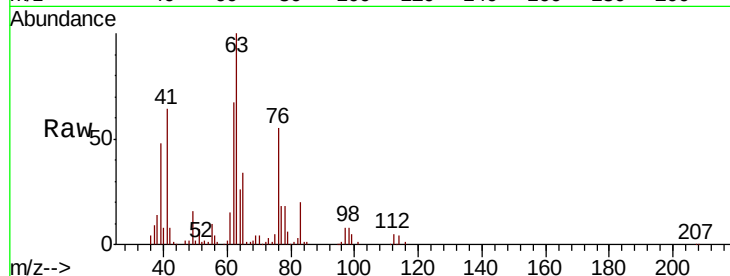
ICVVD110320

Tot Ion: 63 Resp: 140692

Ion Ratio Lower Upper

63 100

65 34.1 26.9 40.3



#46

Dibromomethane

Concen: 51.239 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

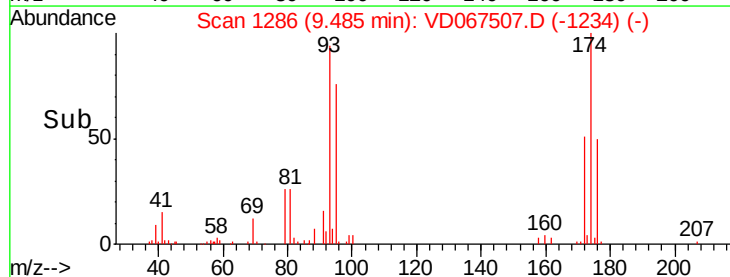
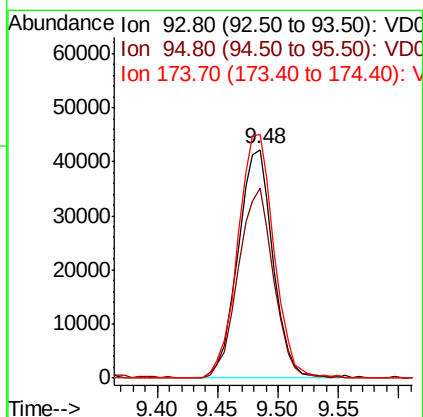
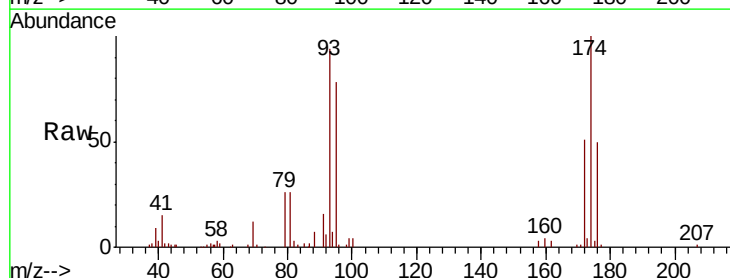
Tgt Ion: 93 Resp: 85405

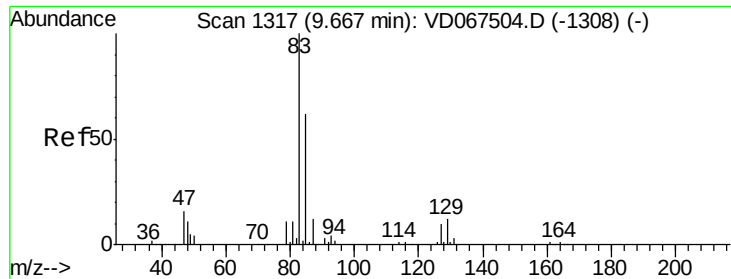
Ion Ratio Lower Upper

93 100

95 83.8 66.4 99.6

174 110.1 88.2 132.4

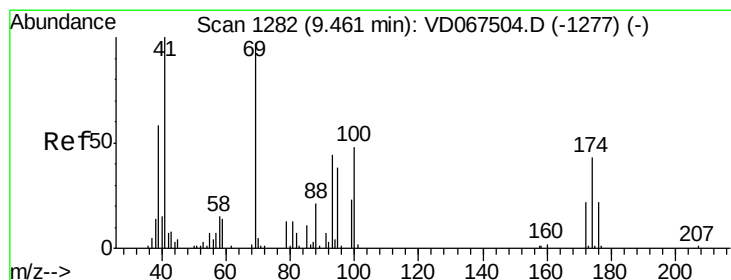
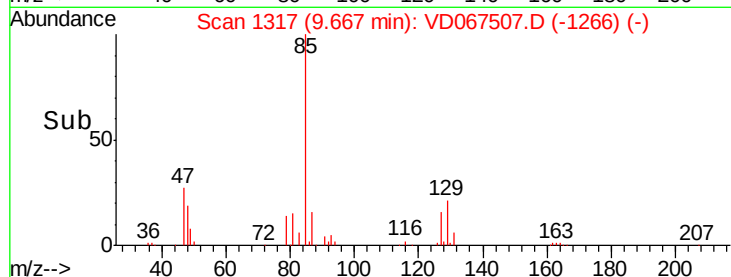
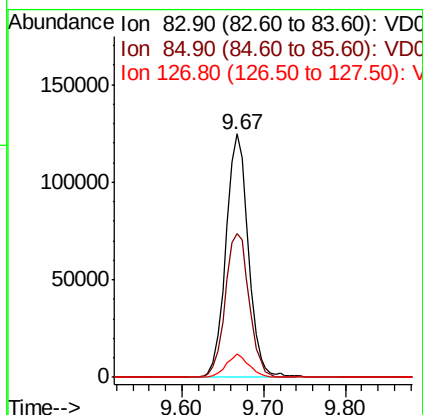
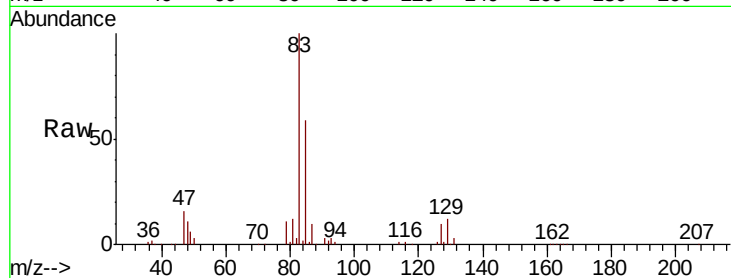




#47
Bromodichloromethane
Concen: 52.667 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

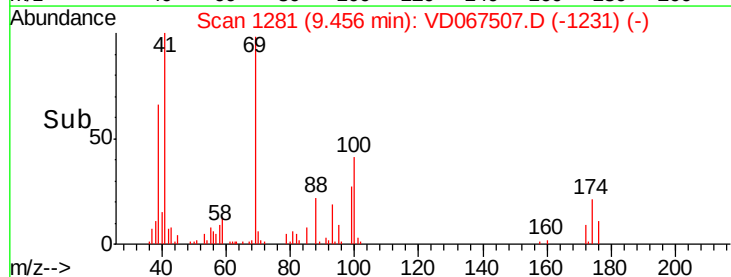
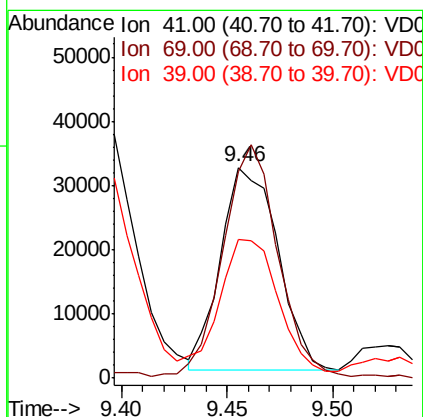
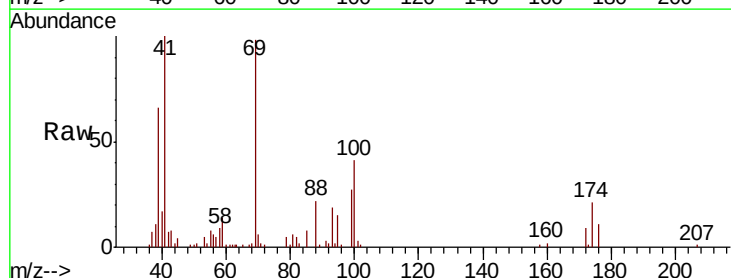
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

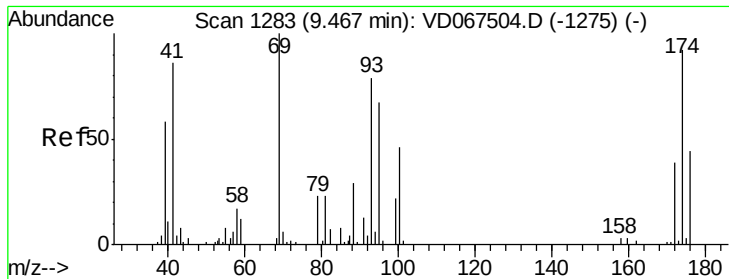
Tot Ion: 83 Resp: 238601
Ion Ratio Lower Upper
83 100
85 59.2 49.4 74.2
127 9.5 7.7 11.5



#48
Methyl methacrylate
Concen: 50.010 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 41 Resp: 59344
Ion Ratio Lower Upper
41 100
69 109.6 80.6 121.0
39 65.7 50.2 75.4





#49

1,4-Dioxane

Concen: 1074.705 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

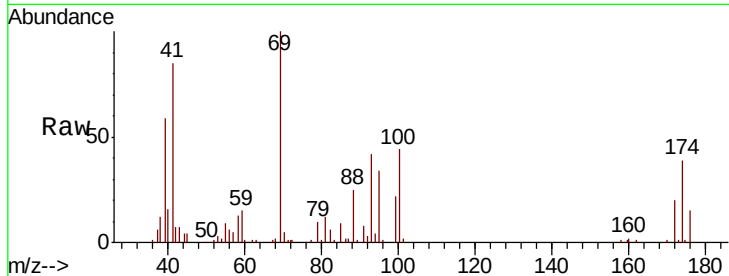
Tot Ion: 88 Resp: 18185

Ion Ratio Lower Upper

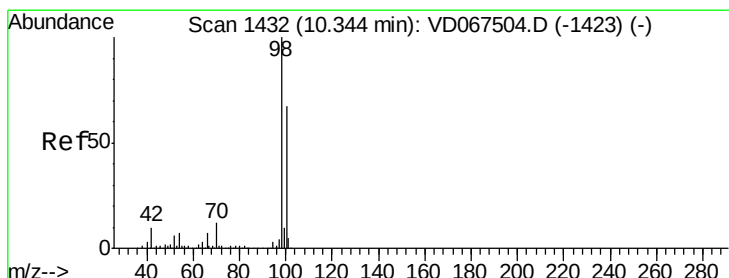
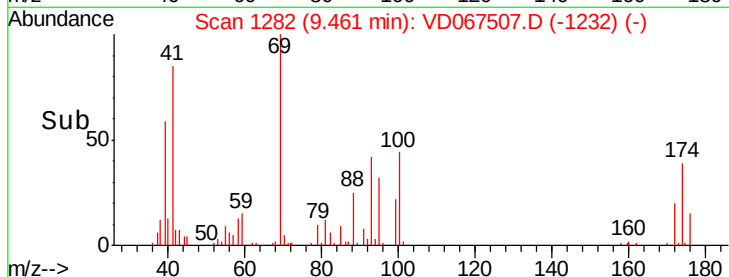
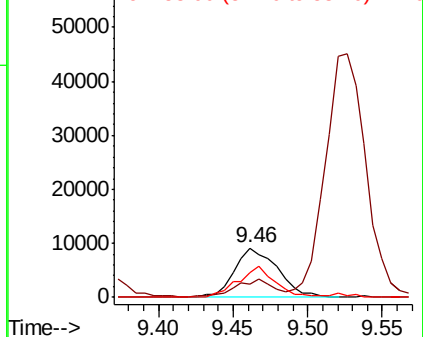
88 100

43 33.8 23.6 35.4

58 54.1 44.7 67.1



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



#50

Toluene-d8

Concen: 48.943 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067507.D

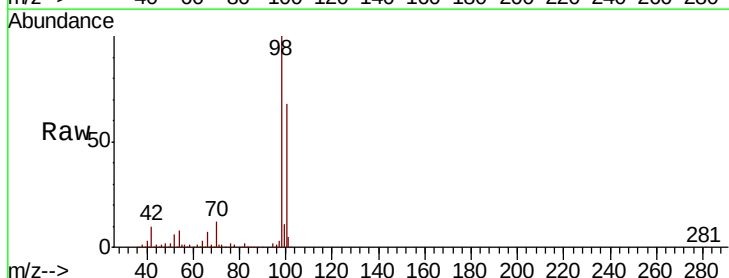
Acq: 03 Nov 2020 13:24

Tgt Ion: 98 Resp: 541901

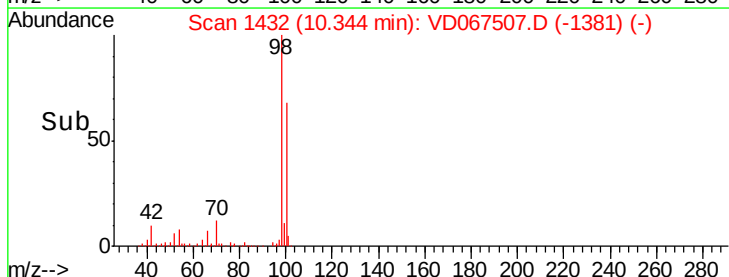
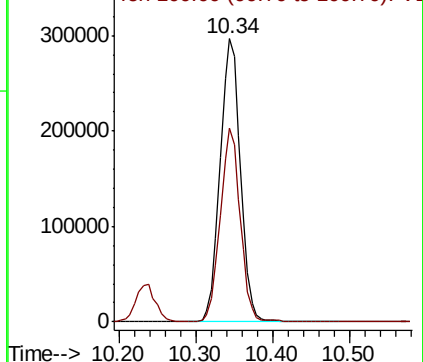
Ion Ratio Lower Upper

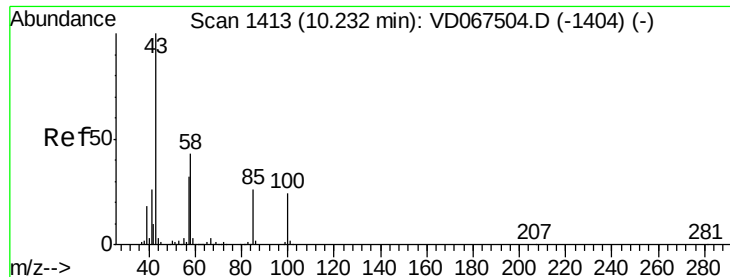
98 100

100 66.7 53.0 79.6



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

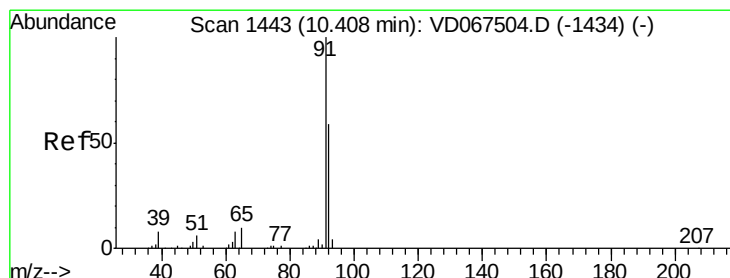
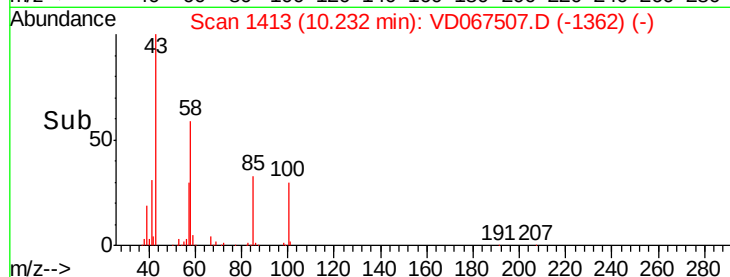
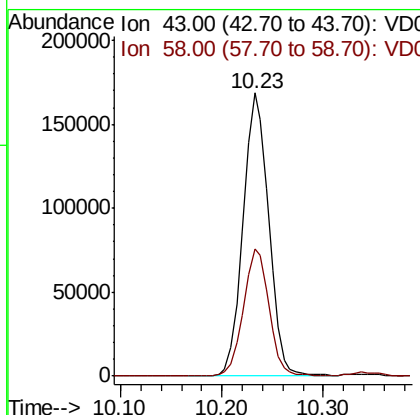
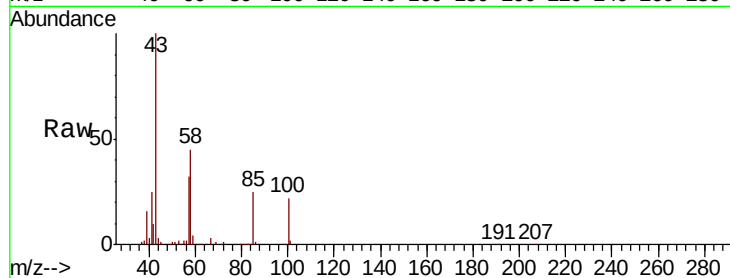




#51
 4-Methyl-2-Pentanone
 Concen: 270.107 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

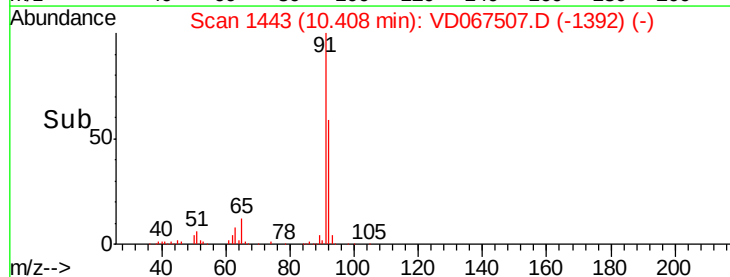
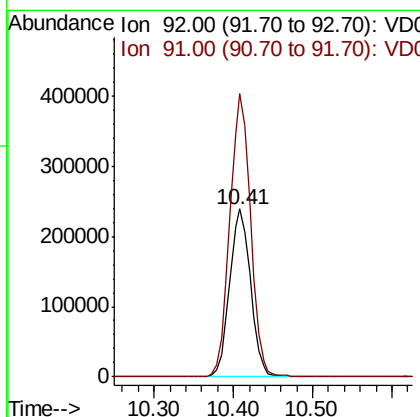
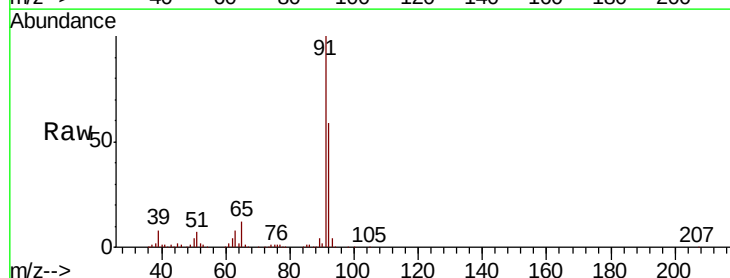
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

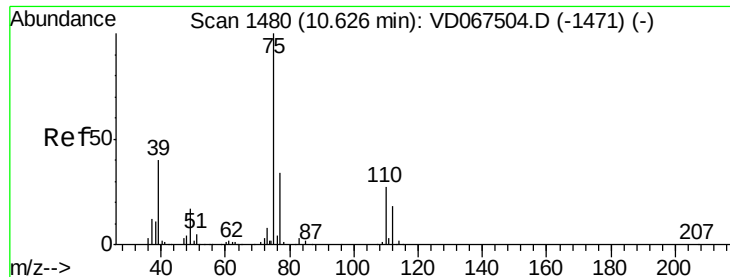
Tot Ion: 43 Resp: 296888
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.6 53.4



#52
 Toluene
 Concen: 53.607 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion: 92 Resp: 435354
 Ion Ratio Lower Upper
 92 100
 91 167.6 137.0 205.6

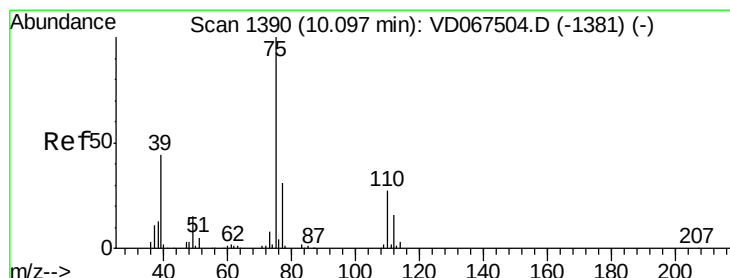
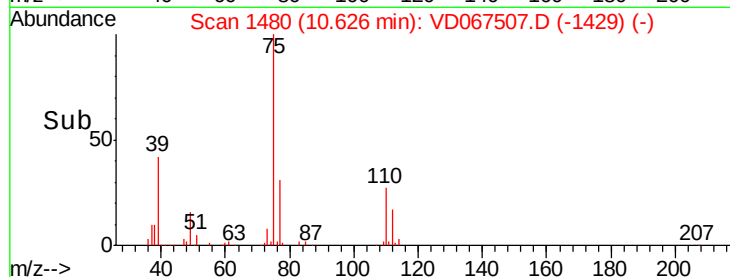
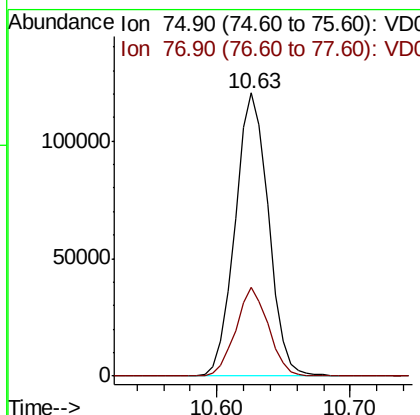
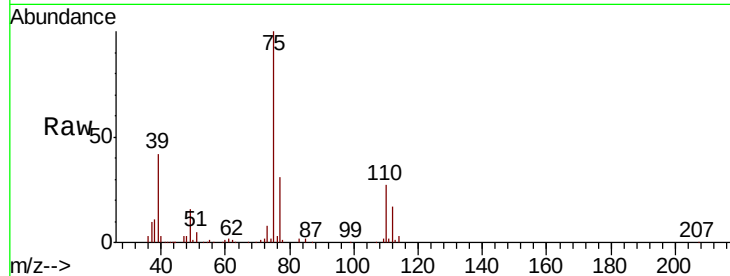




#53
t-1,3-Dichloropropene
Concen: 53.617 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

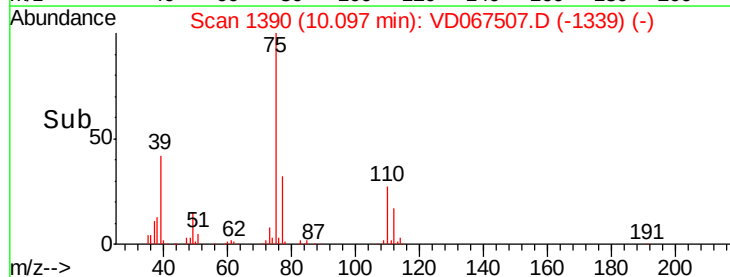
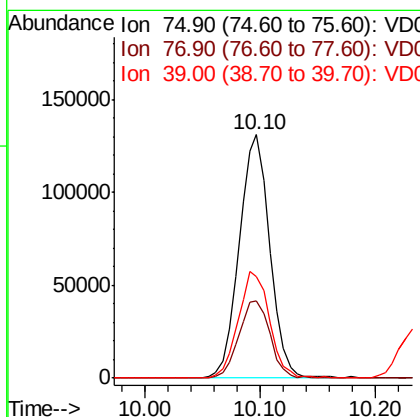
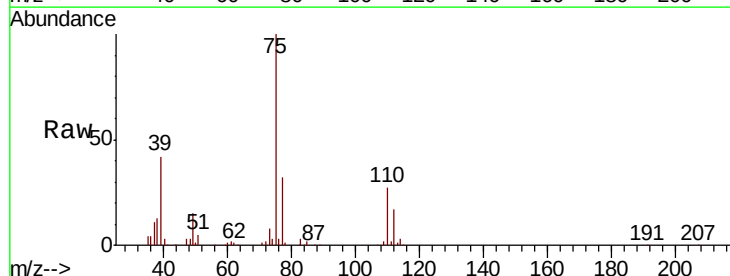
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

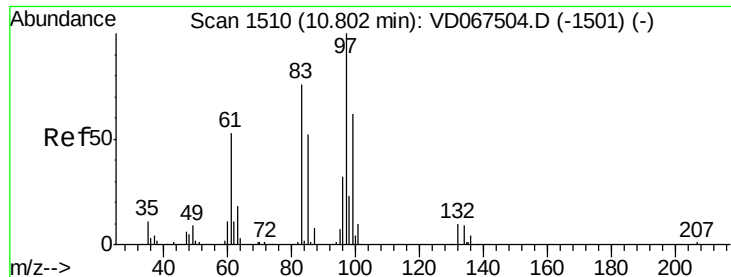
Tot Ion: 75 Resp: 208037
Ion Ratio Lower Upper
75 100
77 31.4 27.0 40.6



#54
cis-1,3-Dichloropropene
Concen: 52.144 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 75 Resp: 240382
Ion Ratio Lower Upper
75 100
77 31.9 24.4 36.6
39 41.4 35.6 53.4

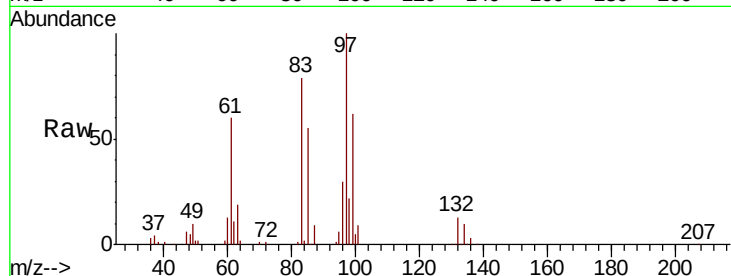




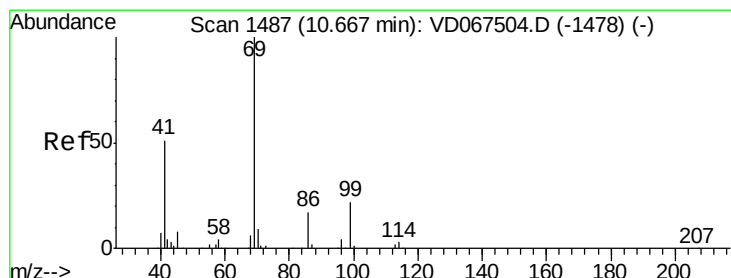
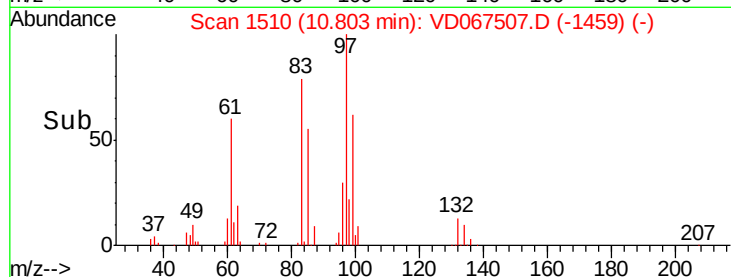
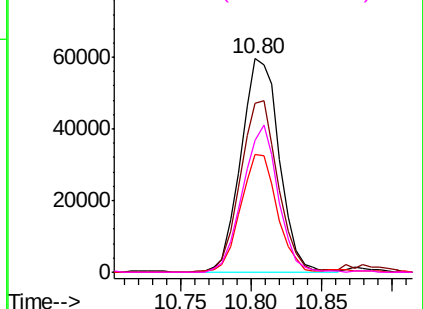
#55
 1,1,2-Trichloroethane
 Concen: 51.464 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

Tot Ion:	97	Resp:	113498
Ion	Ratio	Lower	Upper
97	100		
83	78.9	61.0	91.6
85	55.1	41.5	62.3
99	61.7	49.4	74.2

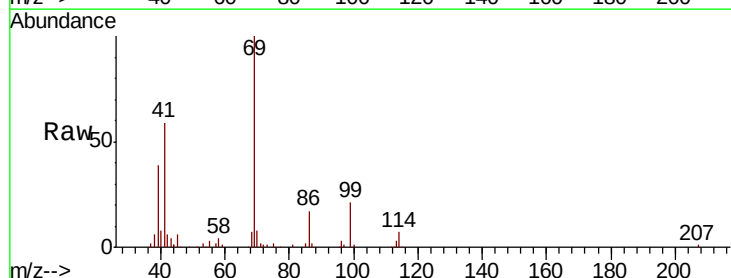


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

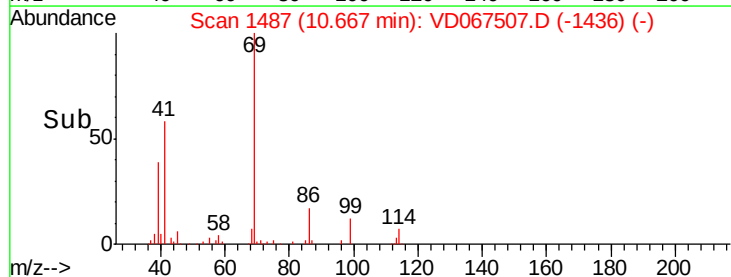
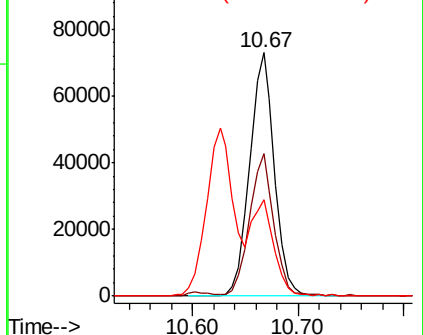


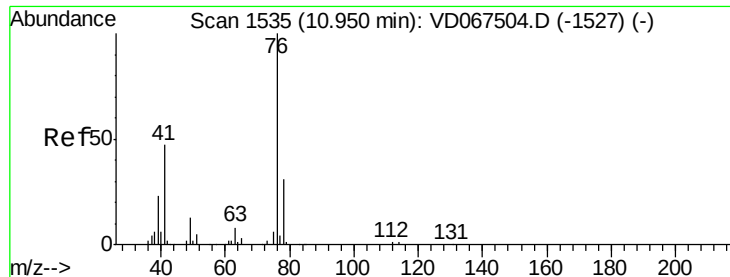
#56
 Ethyl methacrylate
 Concen: 52.311 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion:	69	Resp:	119134
Ion	Ratio	Lower	Upper
69	100		
41	57.4	45.4	68.0
39	36.2	27.4	41.0



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





#57

1,3-Dichloropropane

Concen: 51.214 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

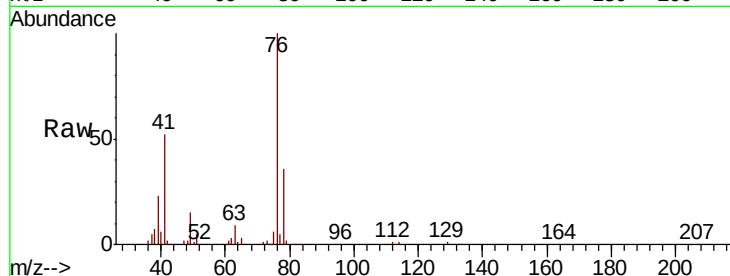
ICVVD110320

Tot Ion: 76 Resp: 181752

Ion Ratio Lower Upper

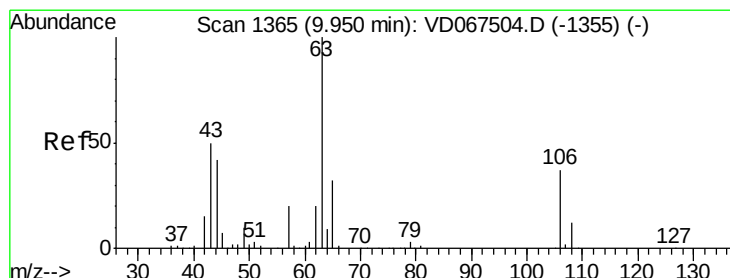
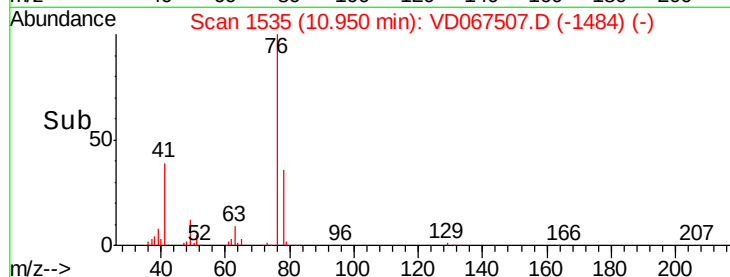
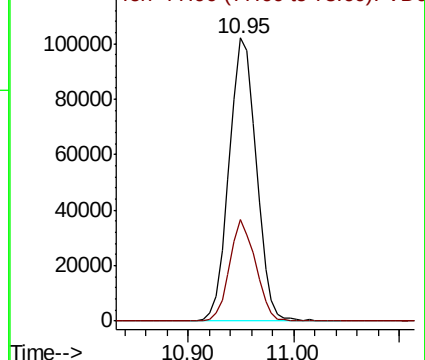
76 100

78 34.3 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 268.830 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD067507.D

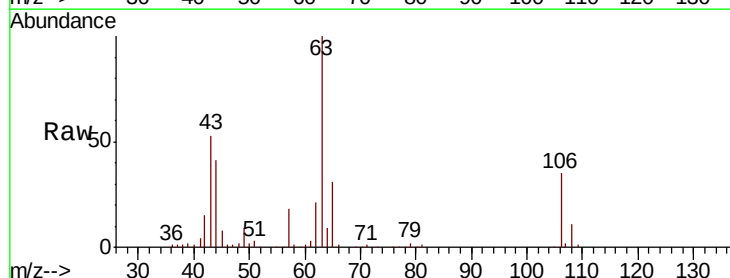
Acq: 03 Nov 2020 13:24

Tgt Ion: 63 Resp: 285507

Ion Ratio Lower Upper

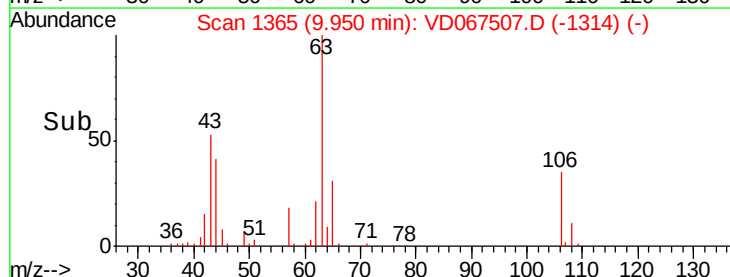
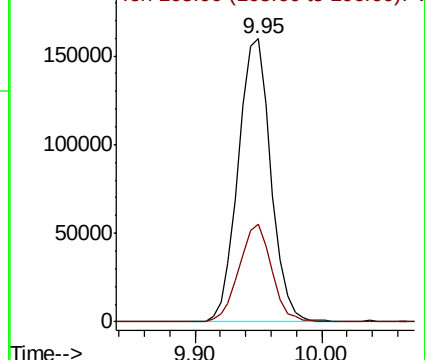
63 100

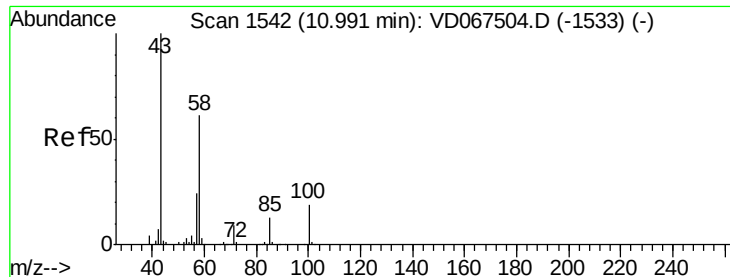
106 34.5 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

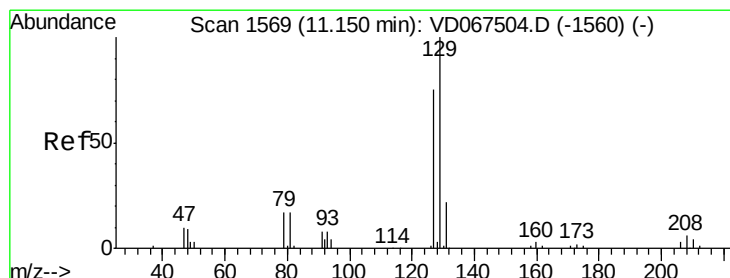
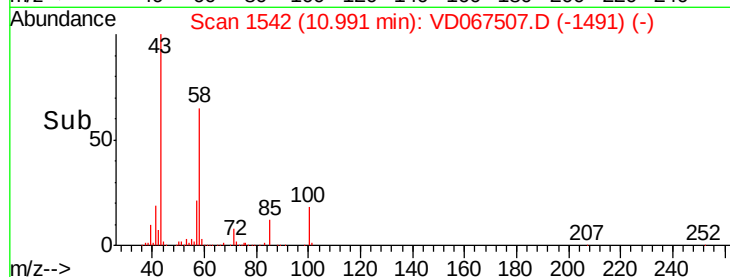
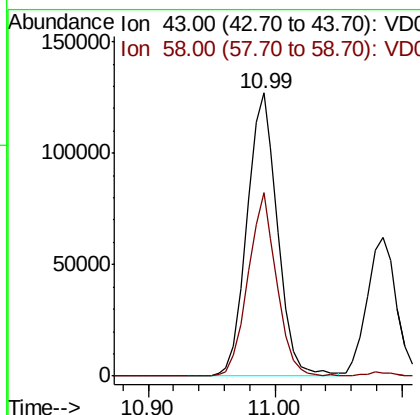
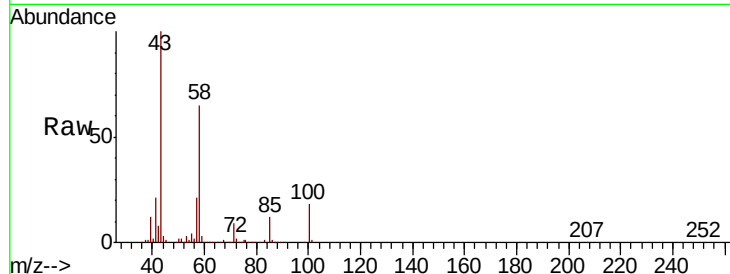




#59
2-Hexanone
Concen: 276.174 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

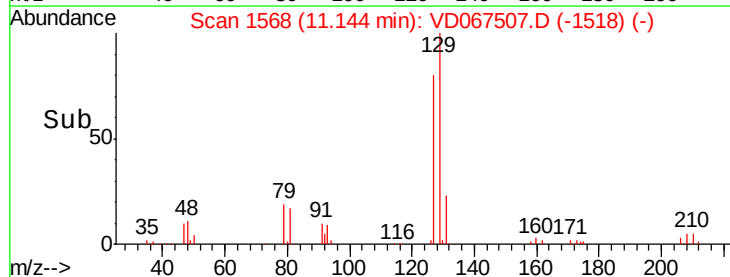
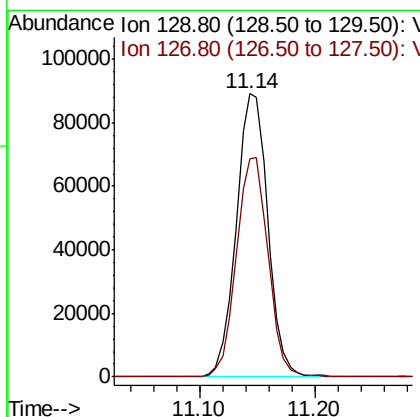
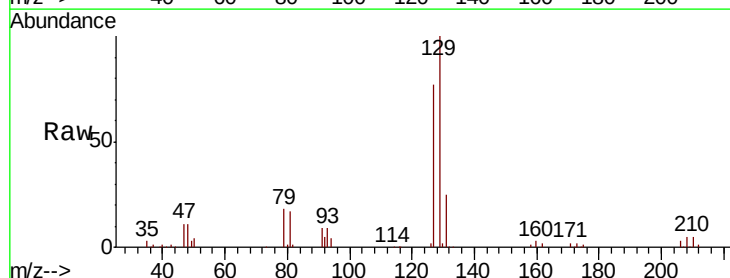
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

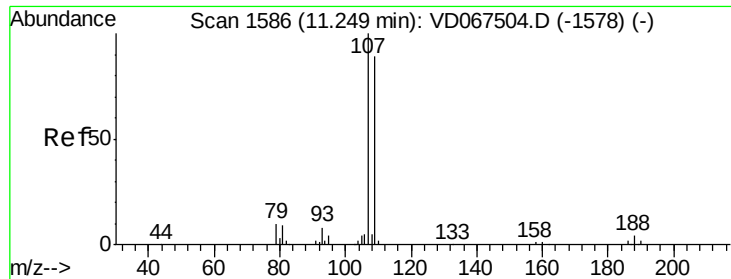
Tot Ion: 43 Resp: 212247
Ion Ratio Lower Upper
43 100
58 60.7 30.3 90.9



#60
Dibromochloromethane
Concen: 51.629 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 129 Resp: 168433
Ion Ratio Lower Upper
129 100
127 77.8 38.0 114.1

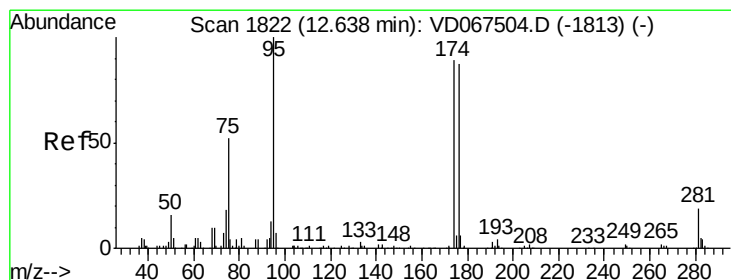
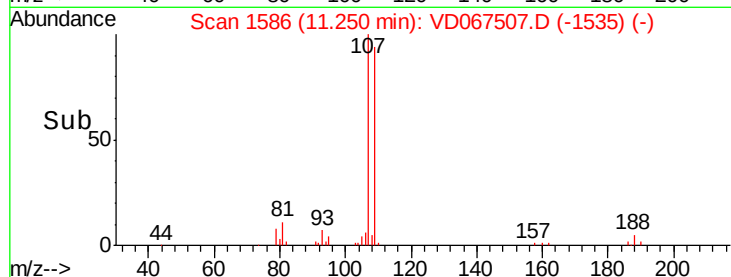
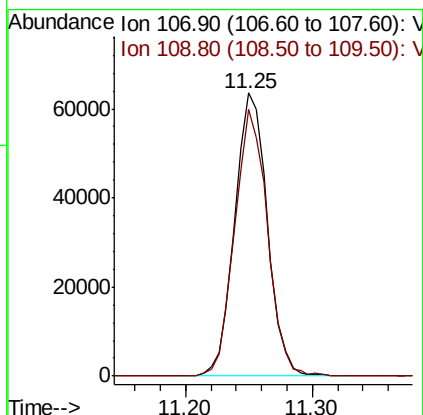
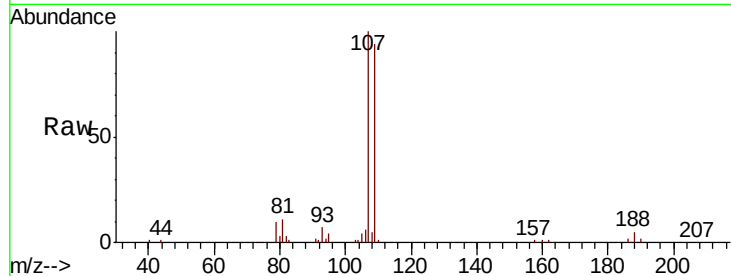




#61
 1,2-Dibromoethane
 Concen: 51.301 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

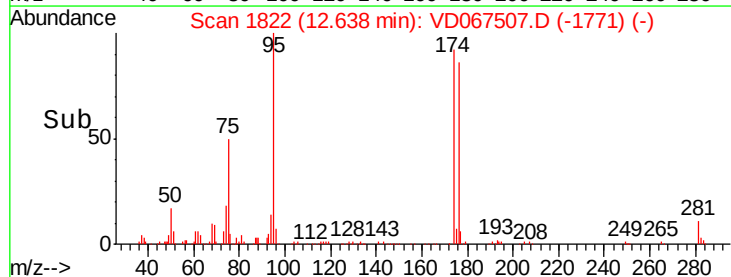
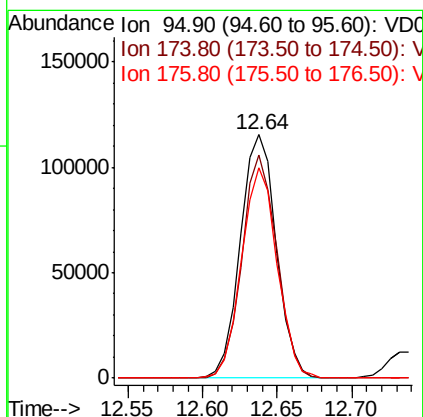
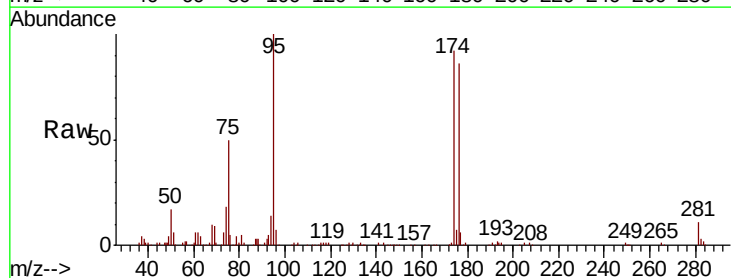
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

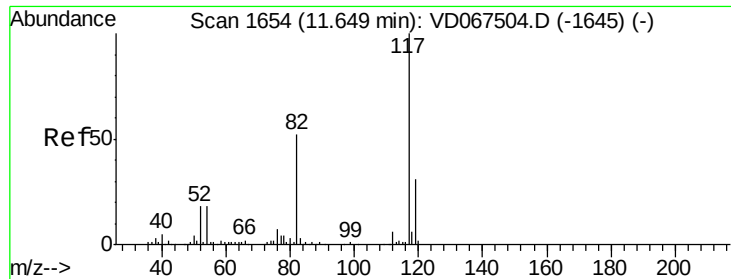
Tot Ion:107 Resp: 113550
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 50.272 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion: 95 Resp: 192169
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 177.8
 176 85.7 0.0 172.0

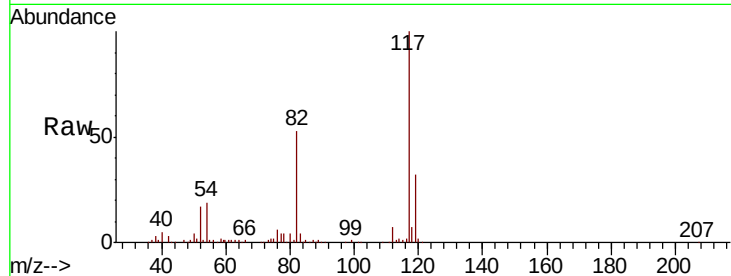




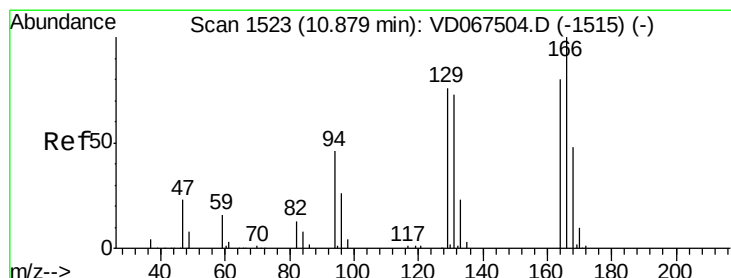
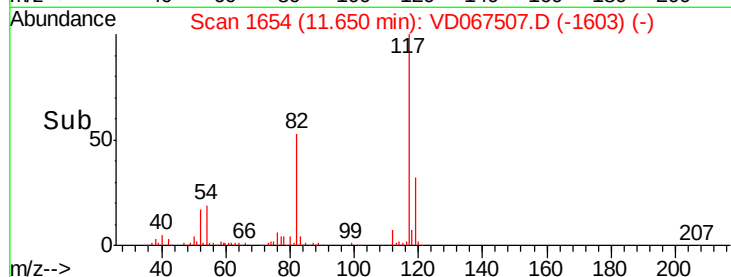
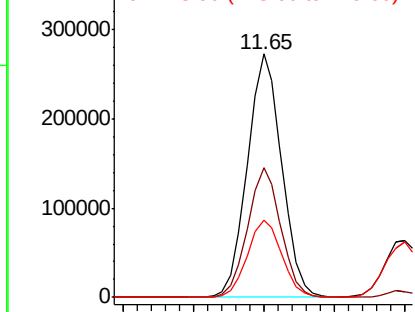
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion:117 Resp: 465980
Ion Ratio Lower Upper
117 100
82 53.4 41.6 62.4
119 31.6 25.1 37.7

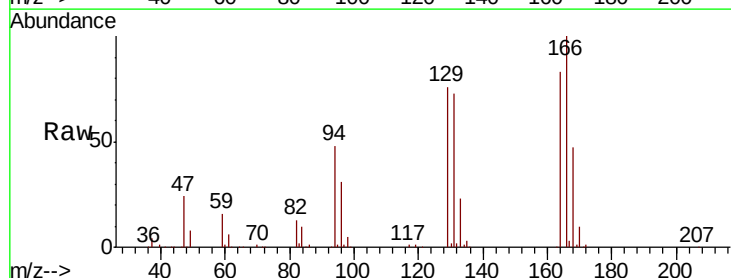


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

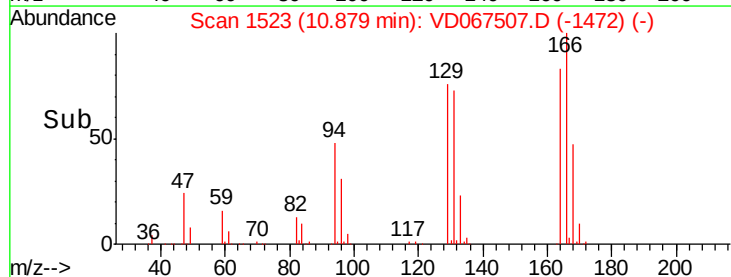
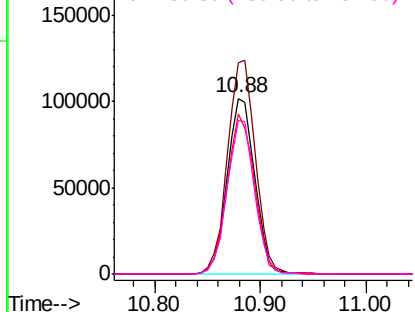


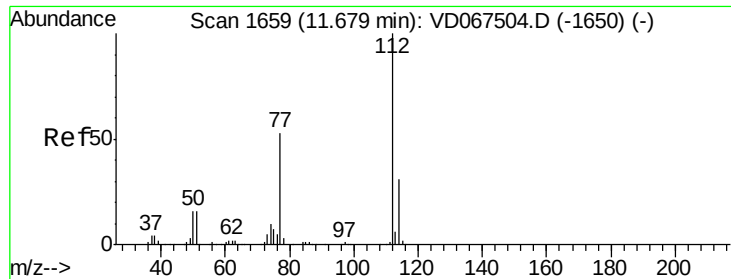
#64
Tetrachloroethene
Concen: 52.965 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion:164 Resp: 182784
Ion Ratio Lower Upper
164 100
166 120.0 99.9 149.9
129 91.1 75.5 113.3
131 87.5 73.4 110.0



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

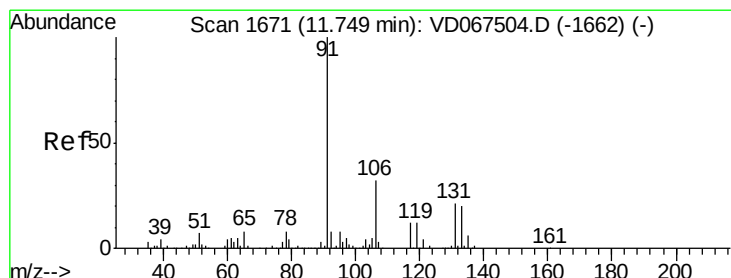
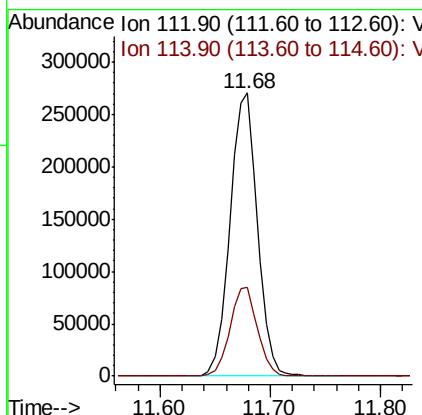
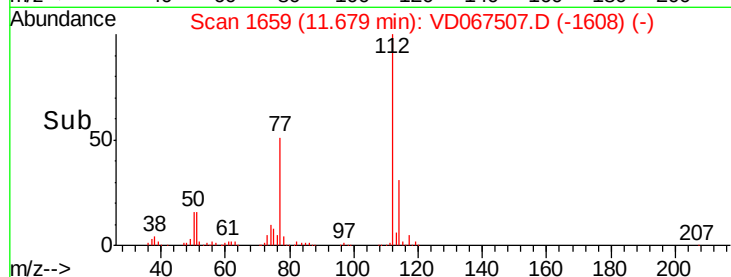
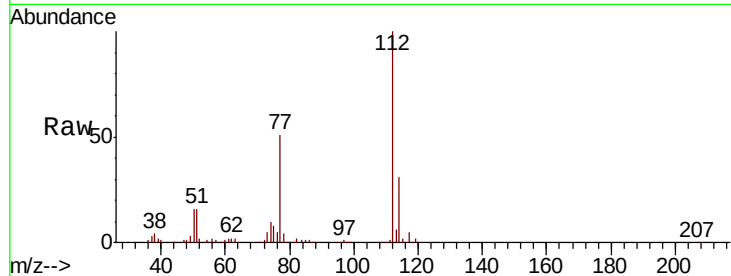




#65
Chlorobenzene
Concen: 52.324 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

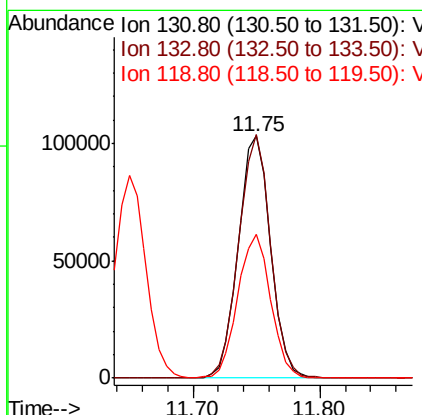
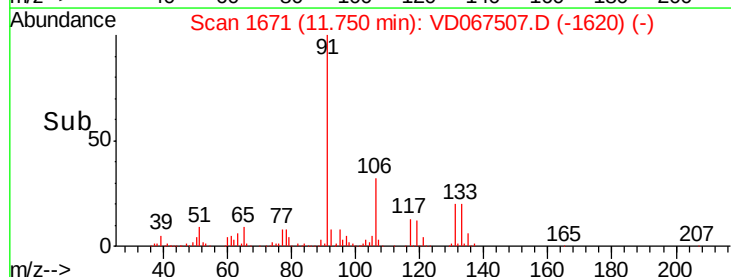
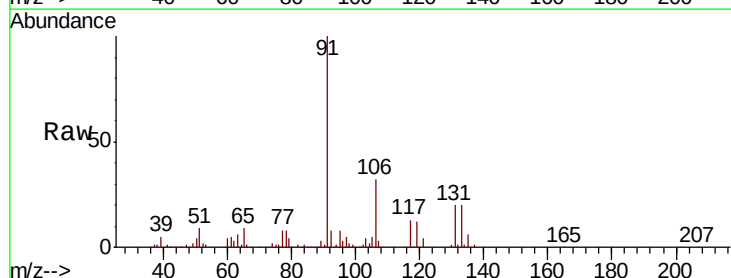
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

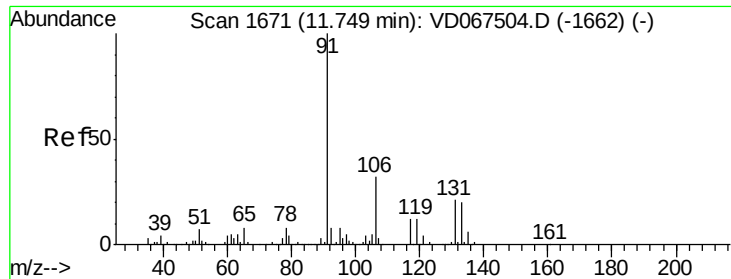
Tot Ion:112 Resp: 469662
Ion Ratio Lower Upper
112 100
114 31.4 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.430 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion:131 Resp: 181947
Ion Ratio Lower Upper
131 100
133 99.6 48.0 144.0
119 60.9 30.1 90.5





#67

Ethyl Benzene

Concen: 54.668 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

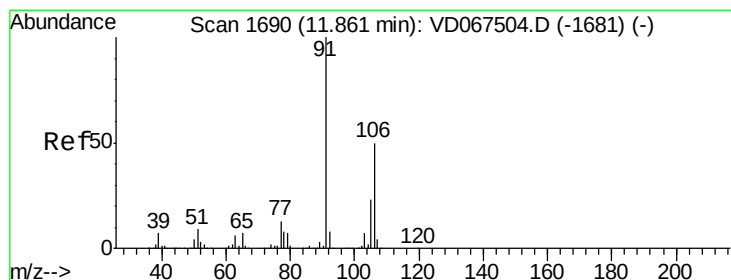
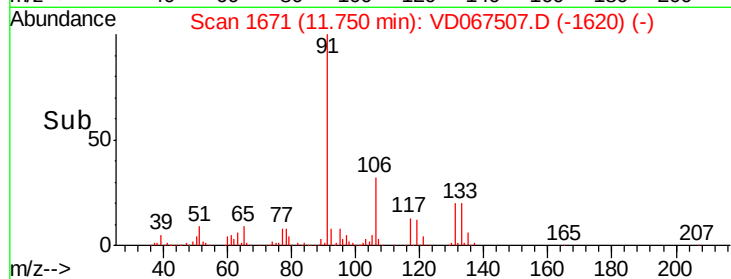
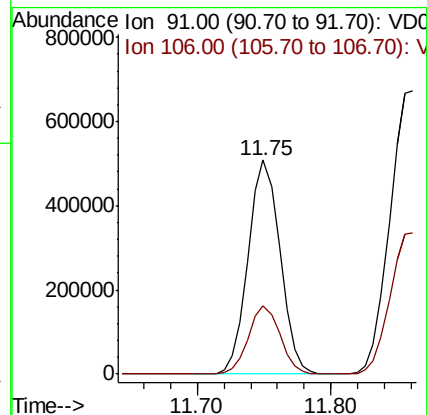
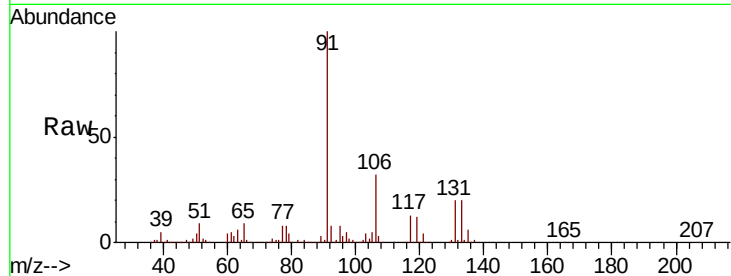
ICVVD110320

Tot Ion: 91 Resp: 839691

Ion Ratio Lower Upper

91 100

106 32.1 25.7 38.5



#68

m/p-Xylenes

Concen: 108.291 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD067507.D

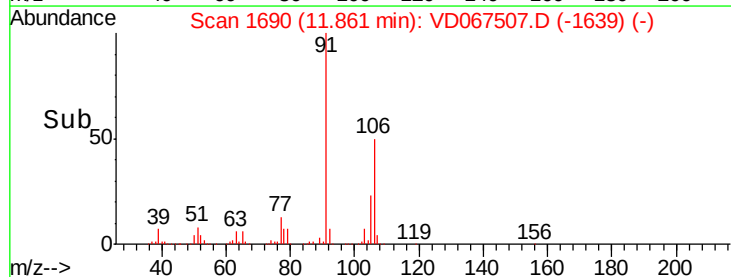
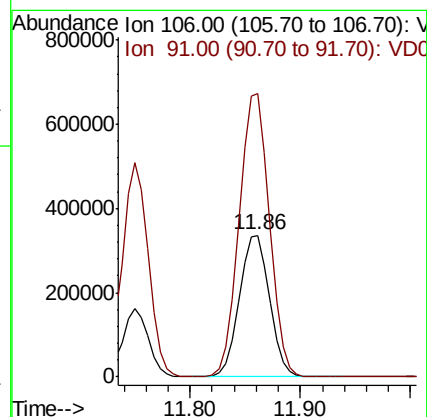
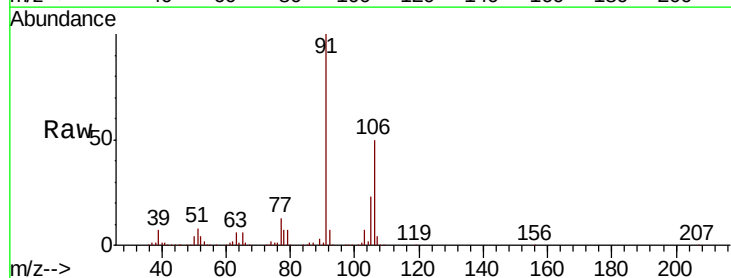
Acq: 03 Nov 2020 13:24

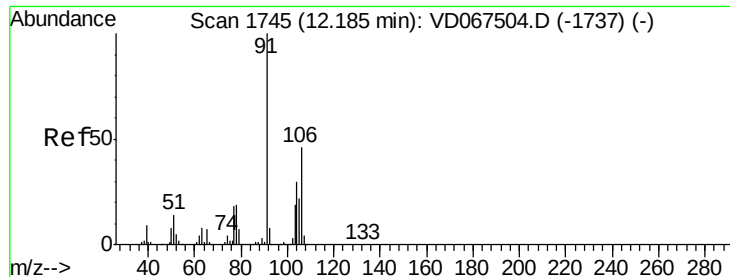
Tgt Ion: 106 Resp: 647107

Ion Ratio Lower Upper

106 100

91 200.9 162.6 244.0

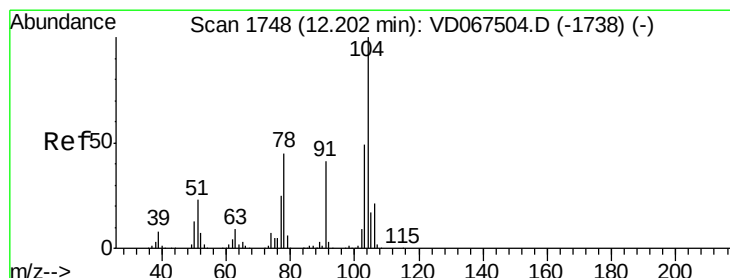
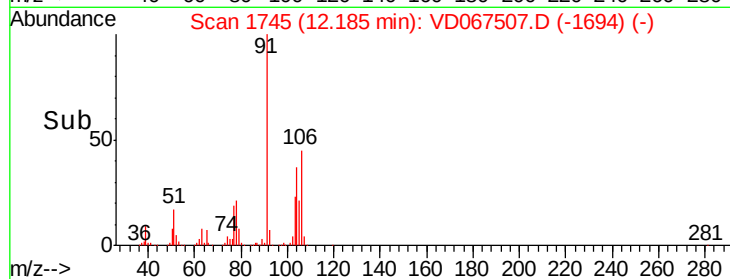
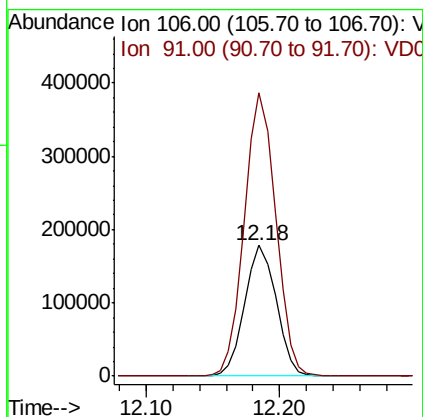
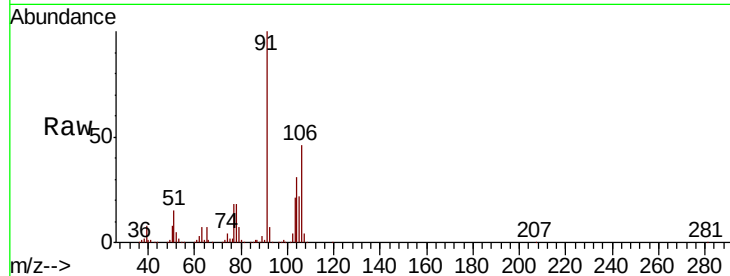




#69
o-Xylene
Concen: 54.923 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

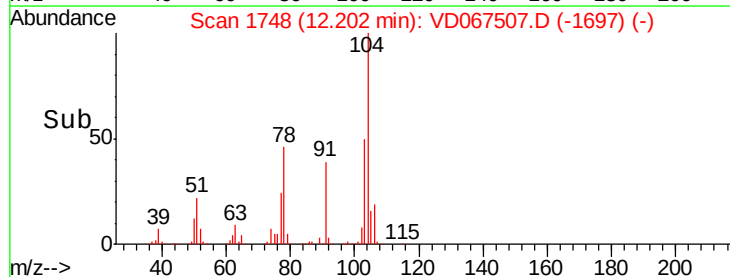
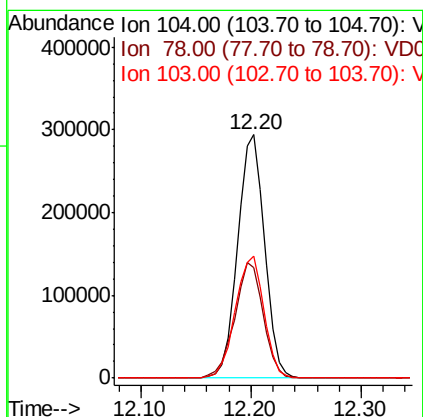
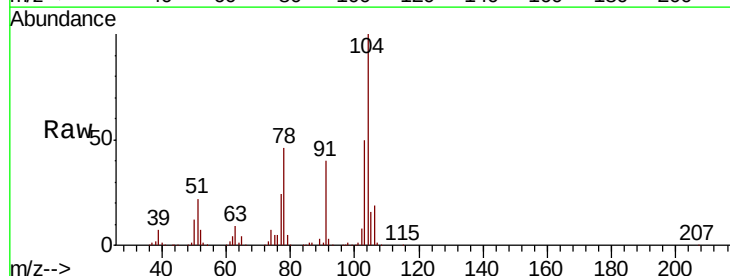
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

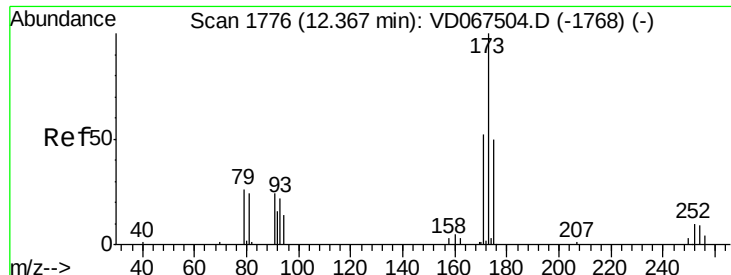
Tot Ion:106 Resp: 293023
Ion Ratio Lower Upper
106 100
91 215.1 107.1 321.1



#70
Styrene
Concen: 54.179 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion:104 Resp: 503686
Ion Ratio Lower Upper
104 100
78 50.6 39.8 59.8
103 53.6 43.9 65.9

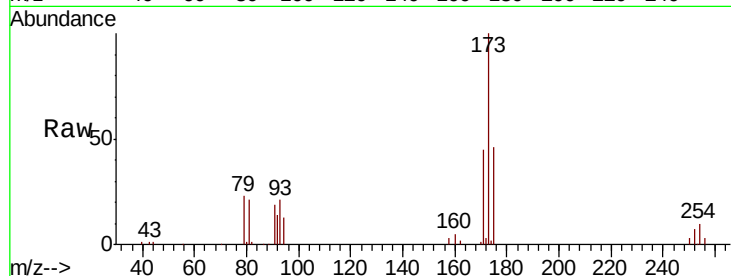




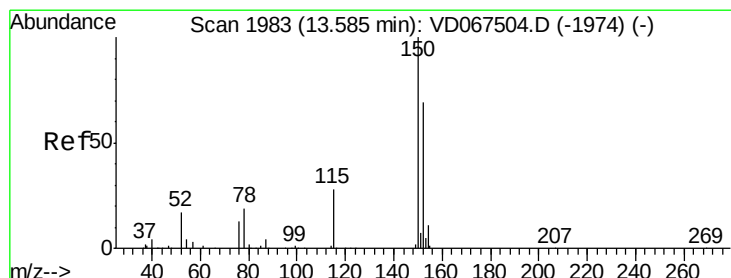
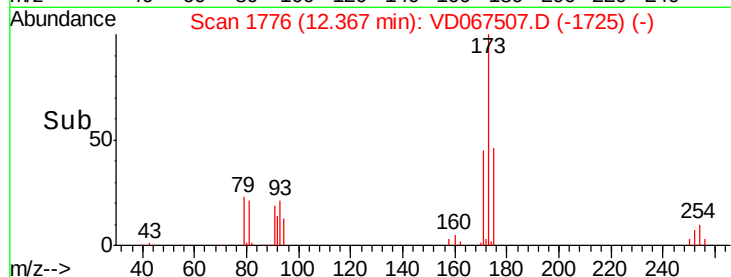
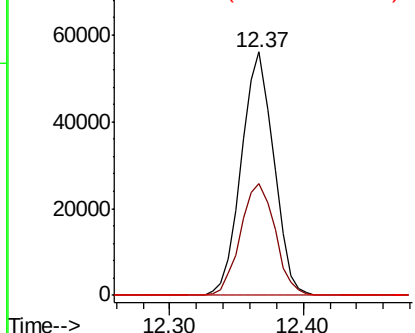
#71
Bromoform
Concen: 52.205 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

Tot Ion:173 Resp: 94192
Ion Ratio Lower Upper
173 100
175 48.9 24.1 72.2
254 0.0 0.0 0.0

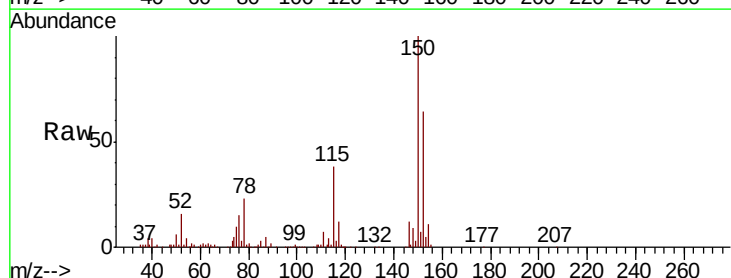


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

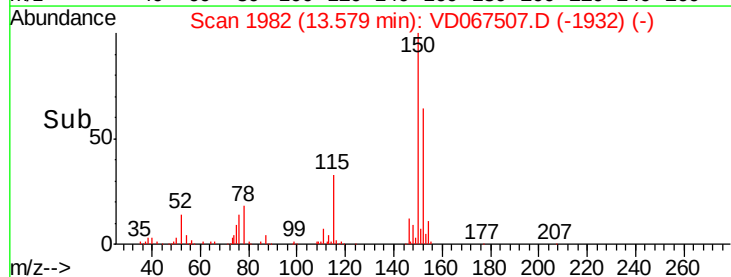
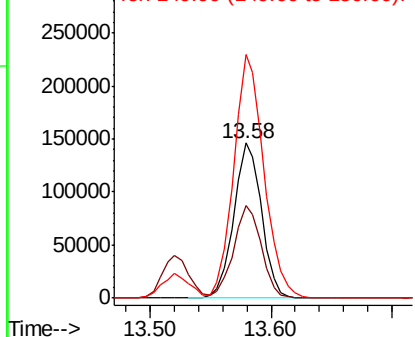


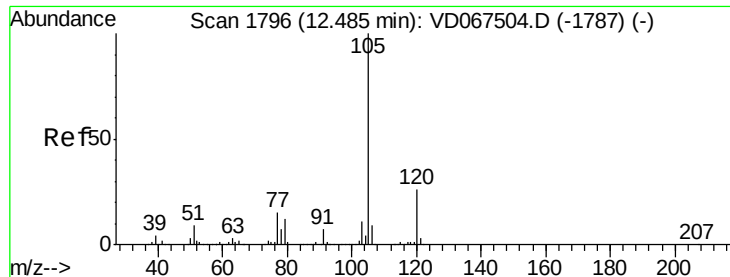
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion:152 Resp: 233195
Ion Ratio Lower Upper
152 100
115 59.4 29.3 88.0
150 171.6 0.0 338.2



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





#73

Isopropylbenzene

Concen: 55.712 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

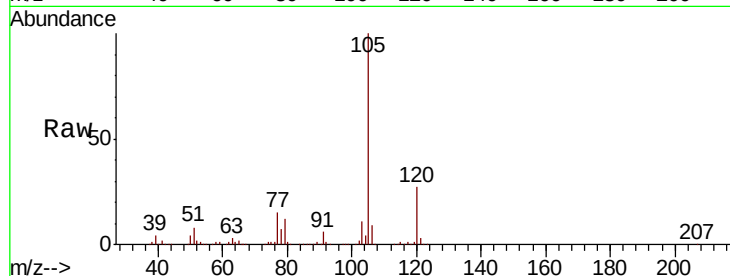
ICVVD110320

Tot Ion:105 Resp: 839638

Ion Ratio Lower Upper

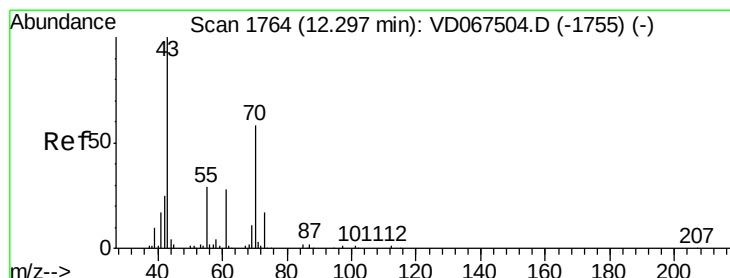
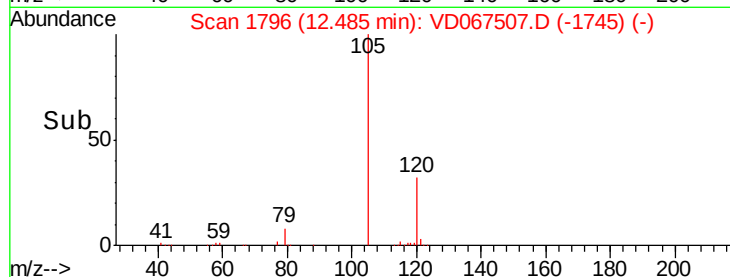
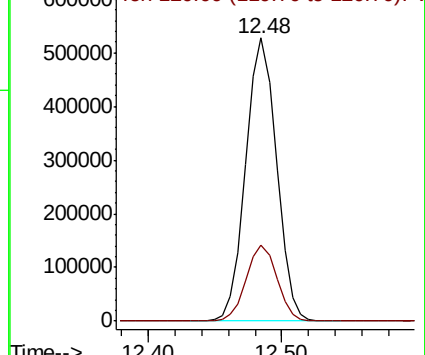
105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.759 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Tgt Ion: 43 Resp: 108593

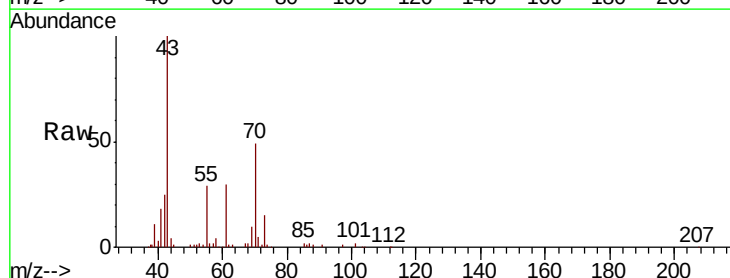
Ion Ratio Lower Upper

43 100

70 52.9 42.6 64.0

55 31.2 23.7 35.5

61 27.6 21.9 32.9

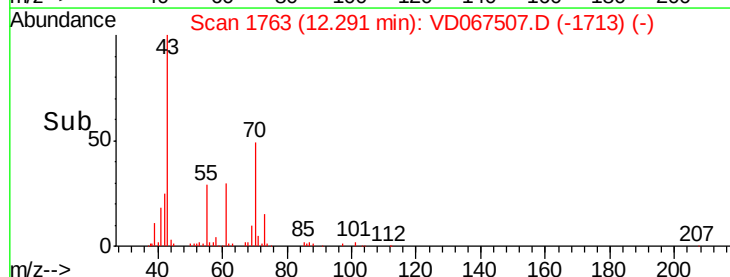
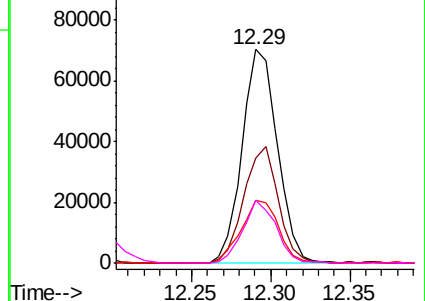


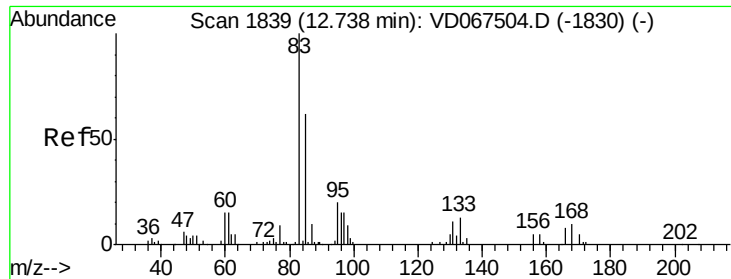
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.064 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

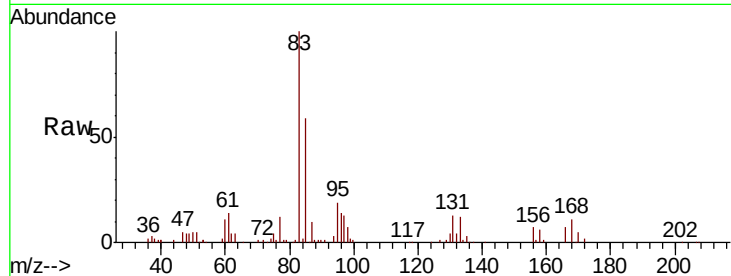
Tot Ion: 83 Resp: 109052

Ion Ratio Lower Upper

83 100

131 13.7 7.1 21.3

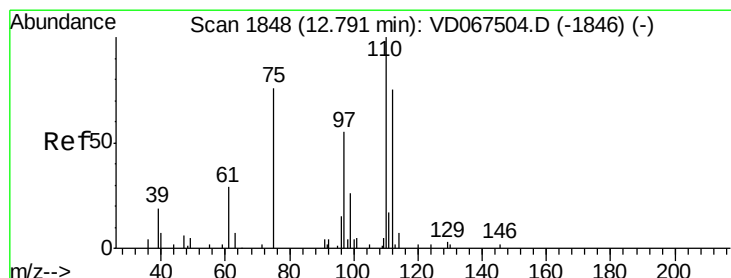
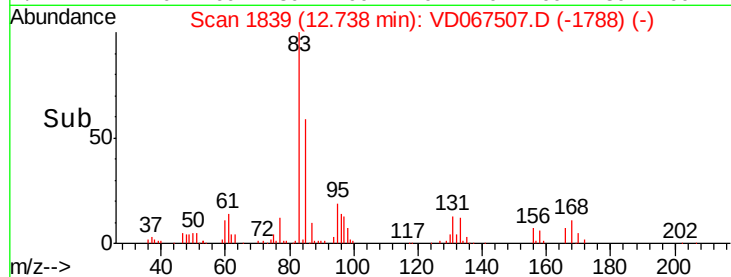
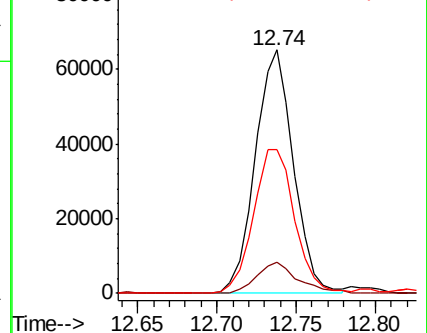
85 63.9 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 109.428 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067507.D

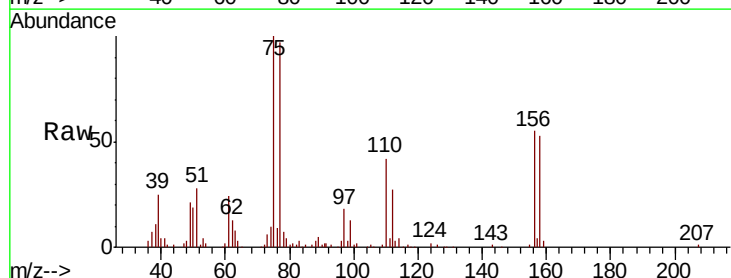
Acq: 03 Nov 2020 13:24

Tgt Ion: 75 Resp: 153939

Ion Ratio Lower Upper

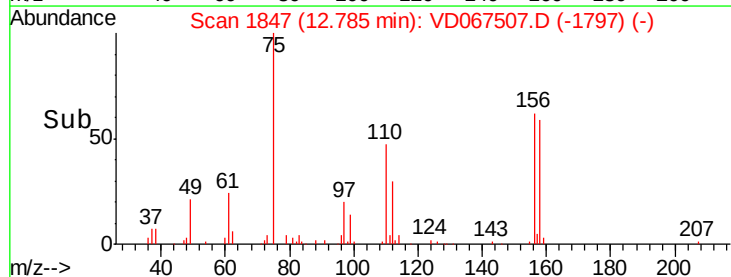
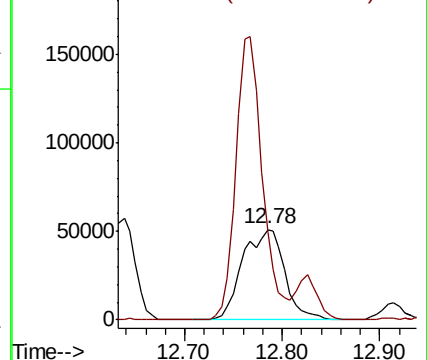
75 100

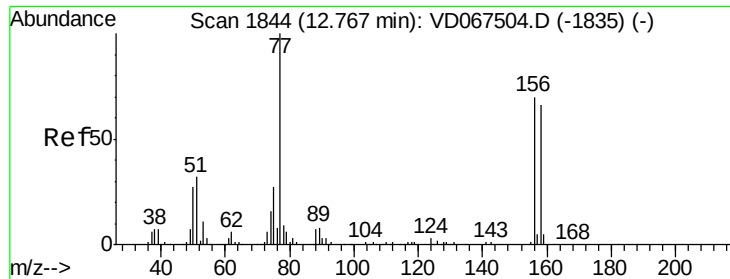
77 197.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 53.011 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

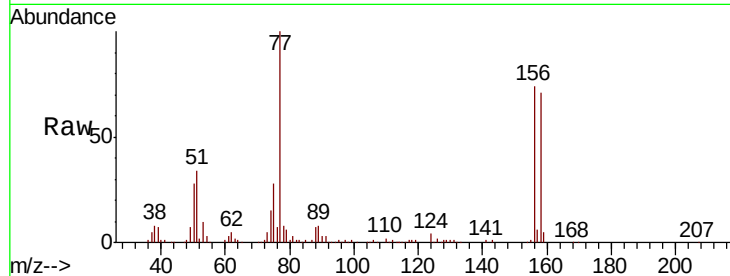
Tot Ion:156 Resp: 196205

Ion Ratio Lower Upper

156 100

77 155.2 77.8 233.5

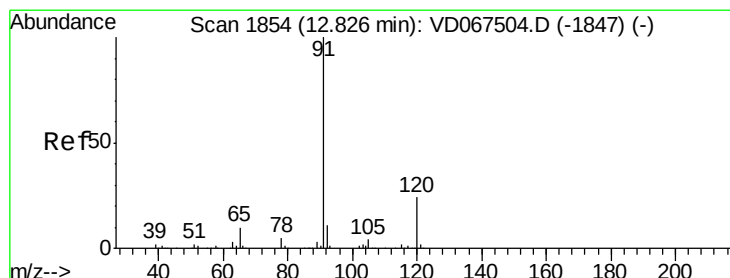
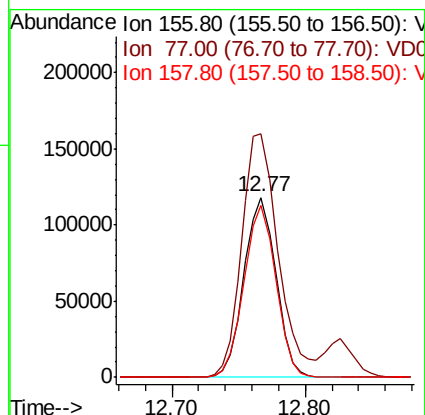
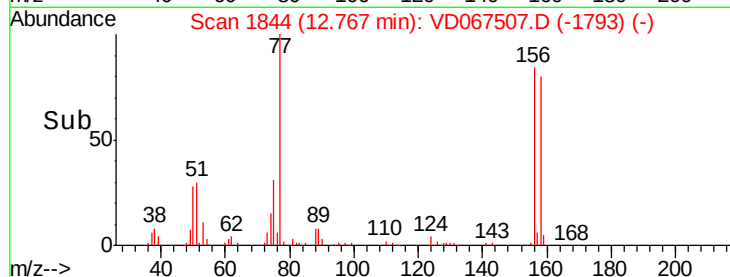
158 95.1 47.9 143.7



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: 55.484 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067507.D

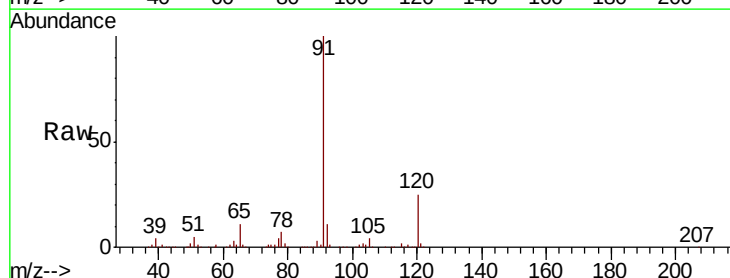
Acq: 03 Nov 2020 13:24

Tgt Ion: 91 Resp: 956467

Ion Ratio Lower Upper

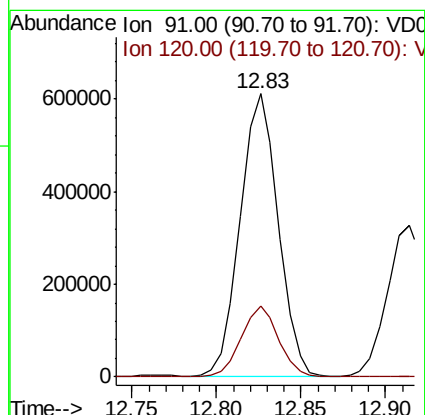
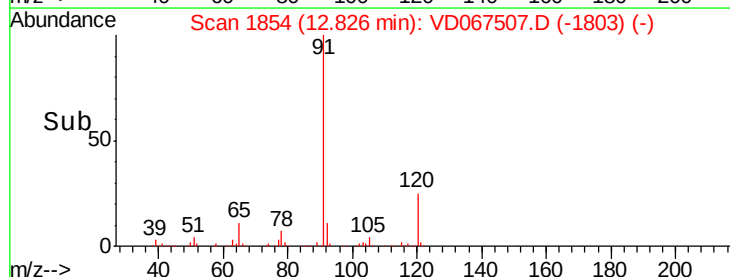
91 100

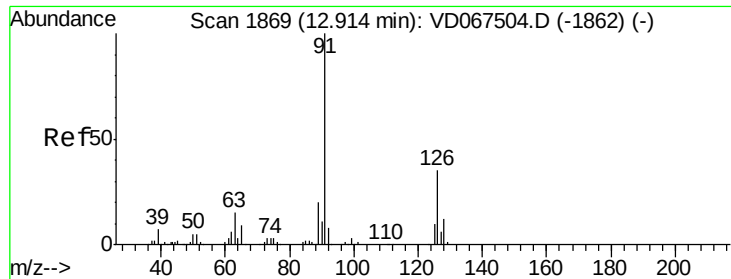
120 24.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

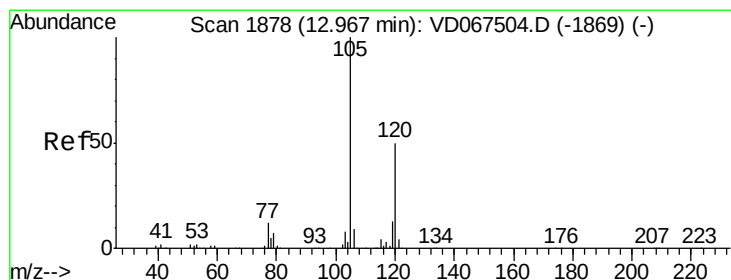
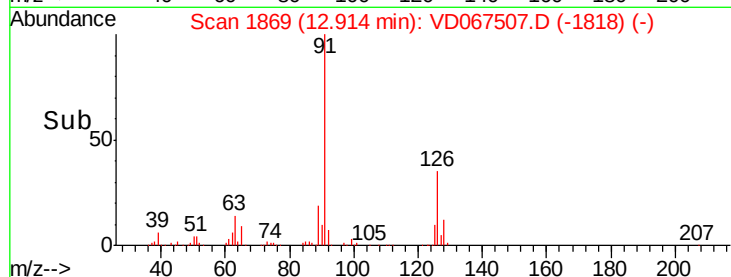
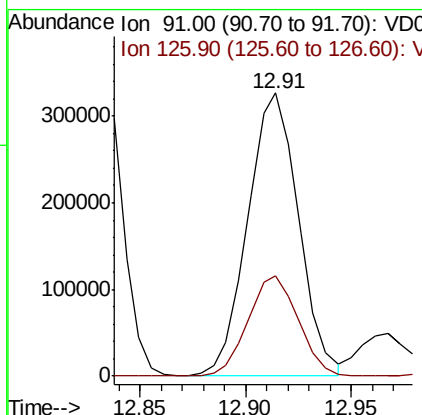
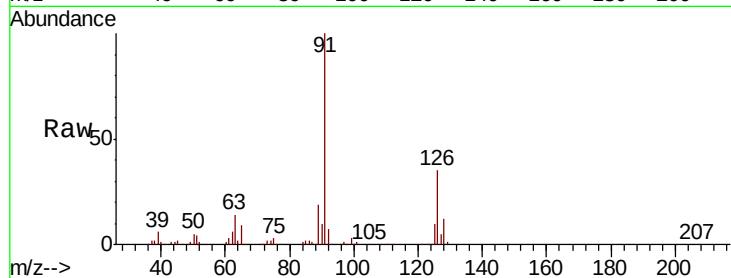




#79
2-Chlorotoluene
Concen: 55.670 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

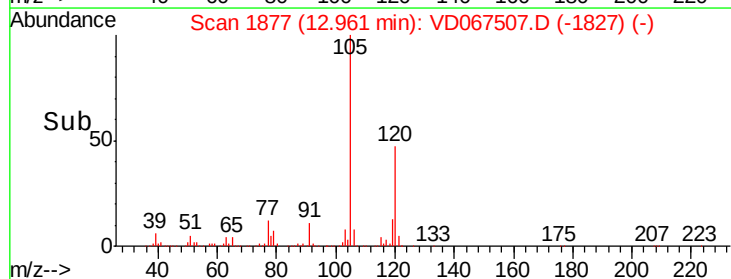
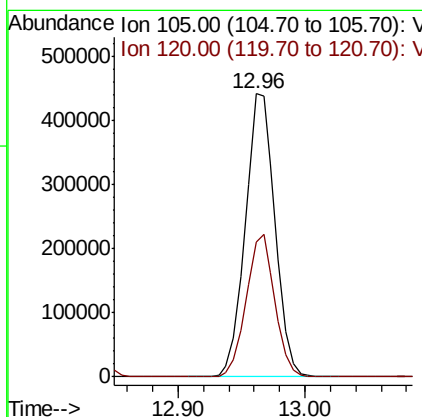
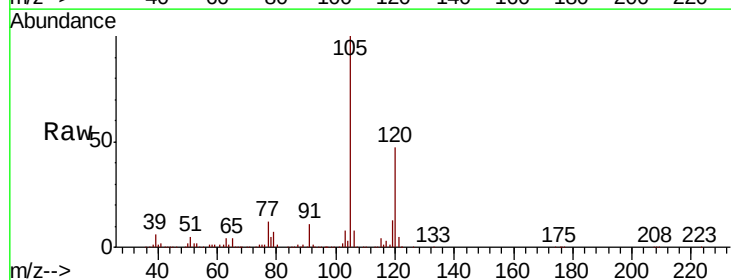
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

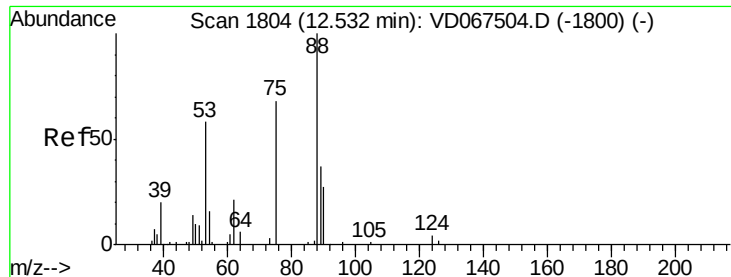
Tot Ion: 91 Resp: 545137
Ion Ratio Lower Upper
91 100
126 35.2 17.8 53.4



#80
1,3,5-Trimethylbenzene
Concen: 55.694 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 105 Resp: 717024
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.527 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

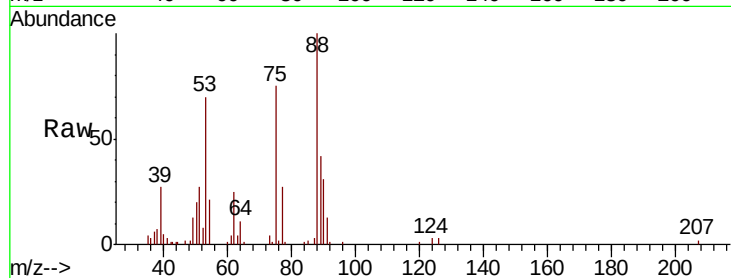
Tot Ion: 75 Resp: 36396

Ion Ratio Lower Upper

75 100

53 94.8 75.9 113.9

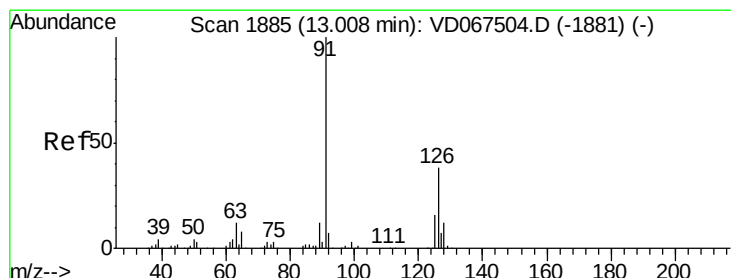
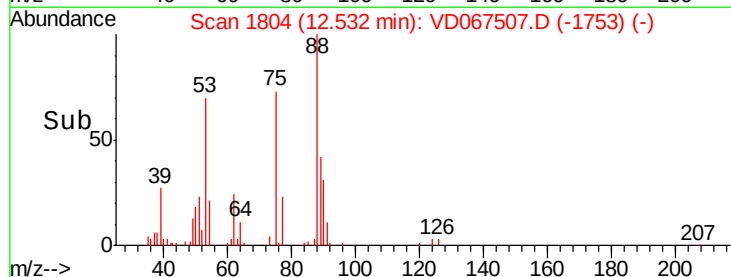
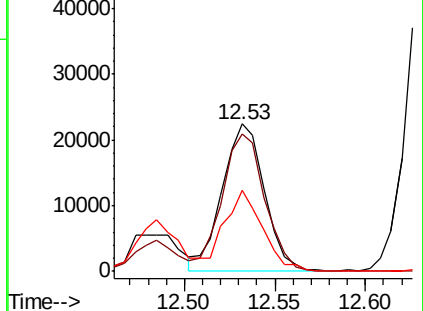
89 50.1 44.6 67.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 55.440 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067507.D

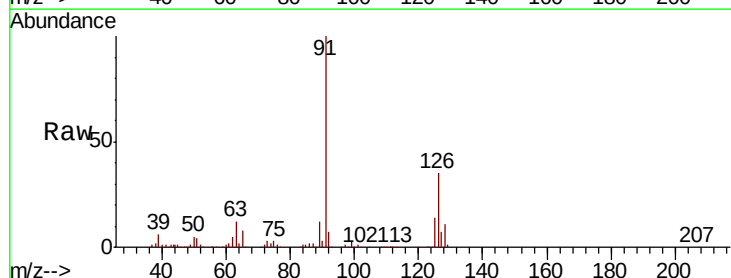
Acq: 03 Nov 2020 13:24

Tgt Ion: 91 Resp: 582250

Ion Ratio Lower Upper

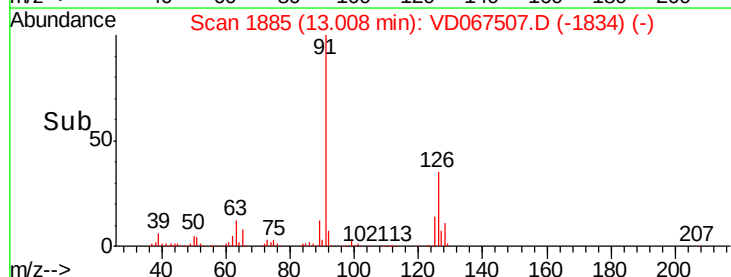
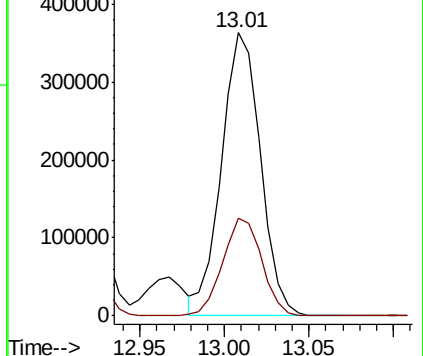
91 100

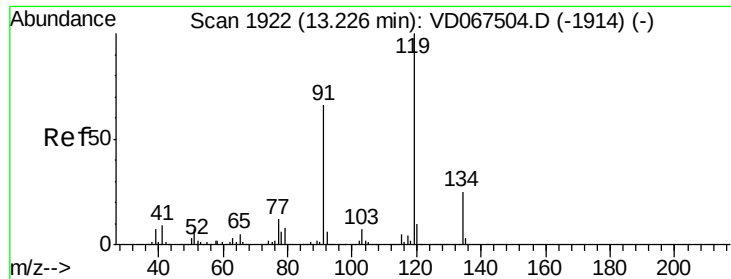
126 34.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

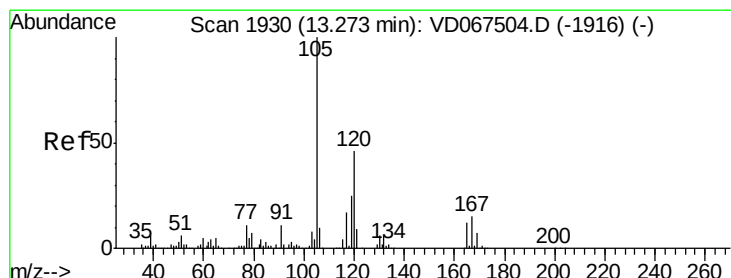
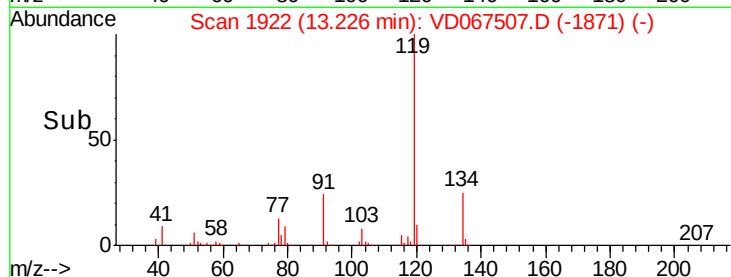
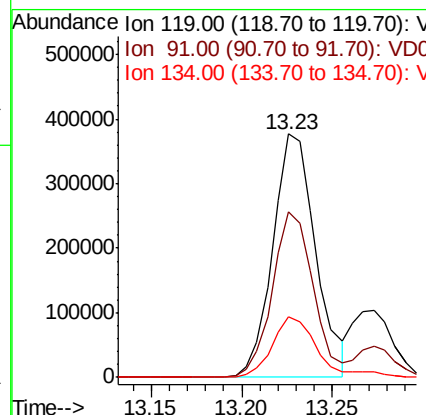
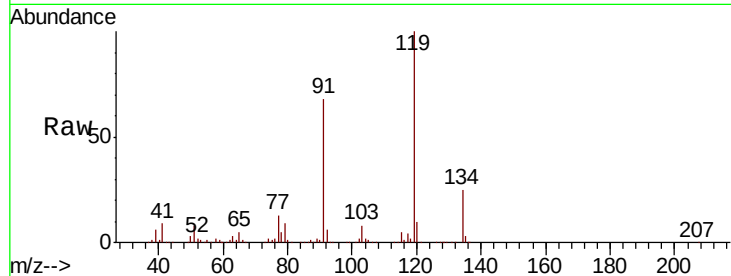




#83
 tert-Butylbenzene
 Concen: 57.036 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

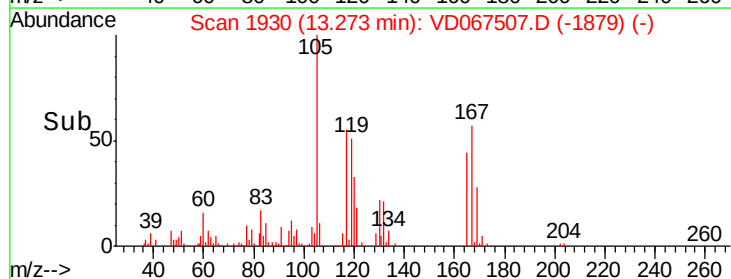
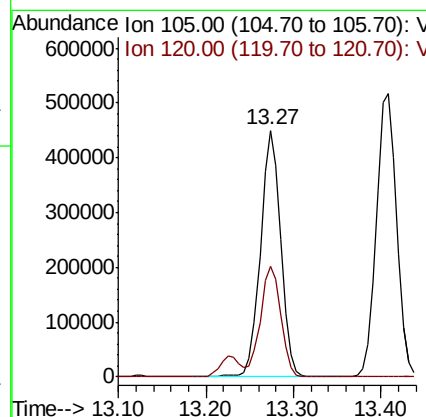
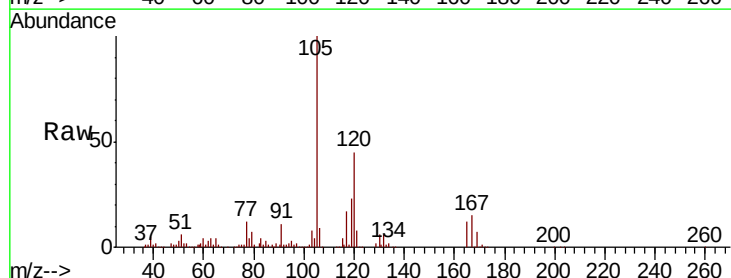
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

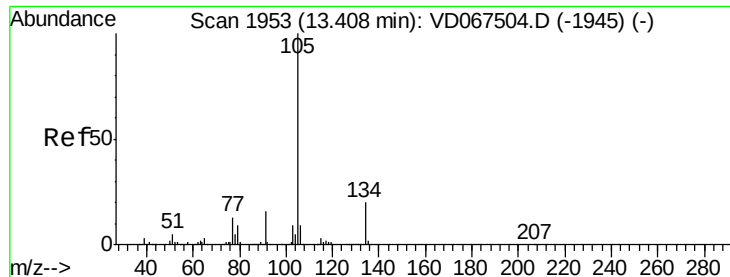
Tot Ion:119 Resp: 622328
 Ion Ratio Lower Upper
 119 100
 91 65.0 32.7 98.1
 134 26.4 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 55.337 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion:105 Resp: 709163
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.1 66.1





#85

sec-Butylbenzene

Concen: 56.479 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

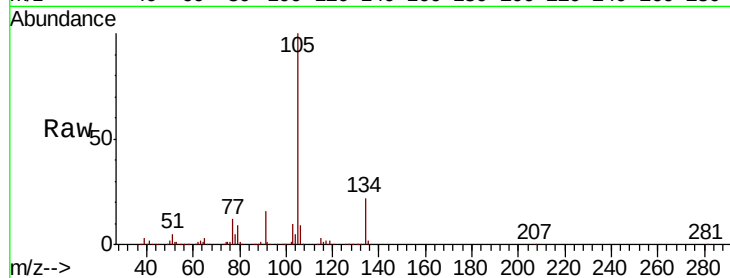
ICVVD110320

Tot Ion:105 Resp: 831914

Ion Ratio Lower Upper

105 100

134 21.4 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

600000

500000

400000

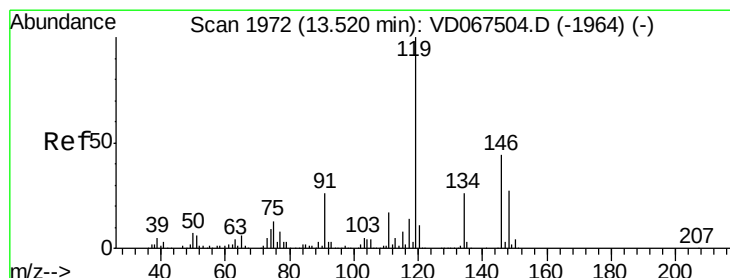
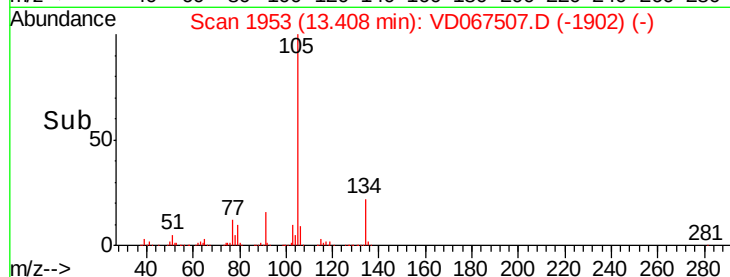
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.314 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

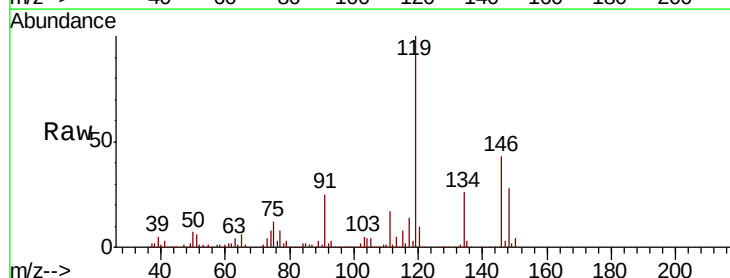
Tgt Ion:119 Resp: 786784

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.8 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

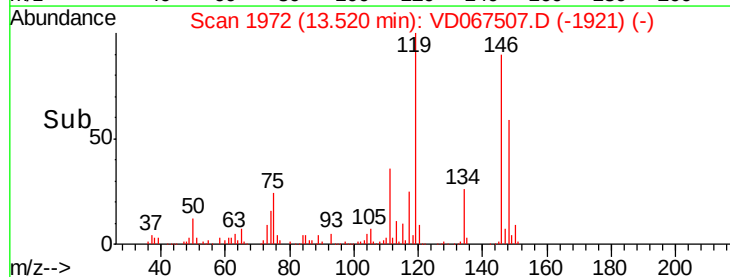
600000

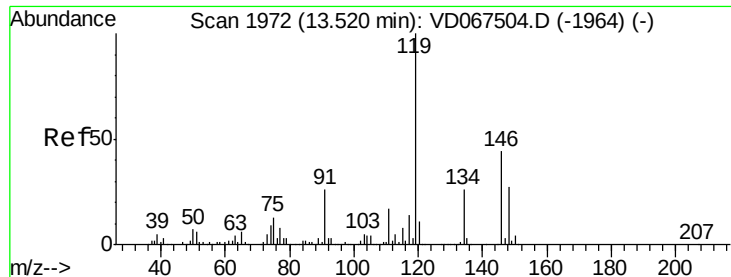
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.851 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

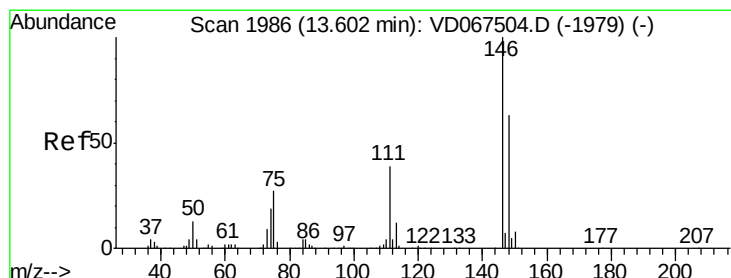
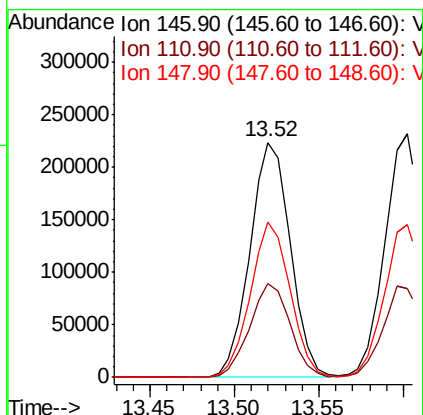
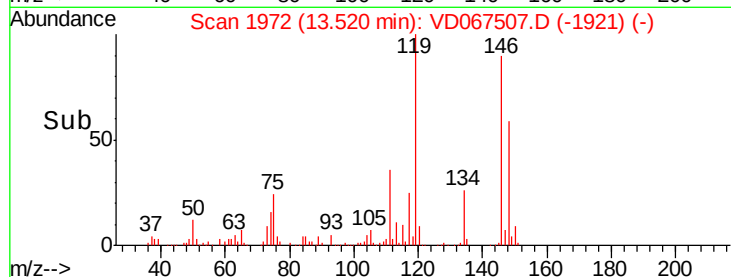
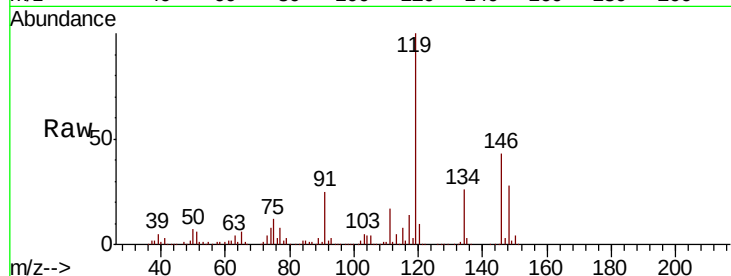
Tot Ion:146 Resp: 373263

Ion Ratio Lower Upper

146 100

111 39.9 20.3 60.8

148 64.9 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 52.187 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

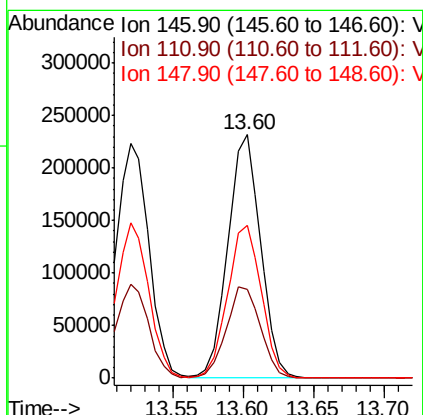
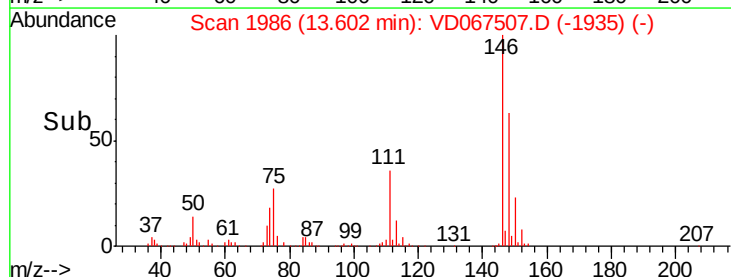
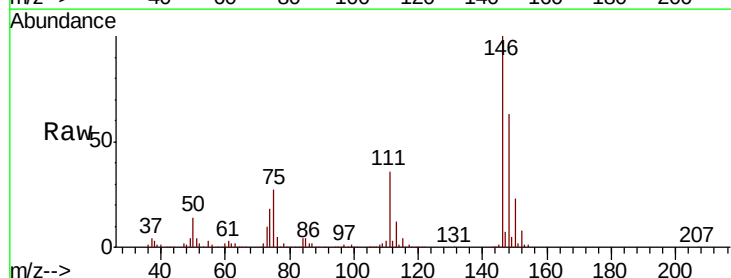
Tgt Ion:146 Resp: 373201

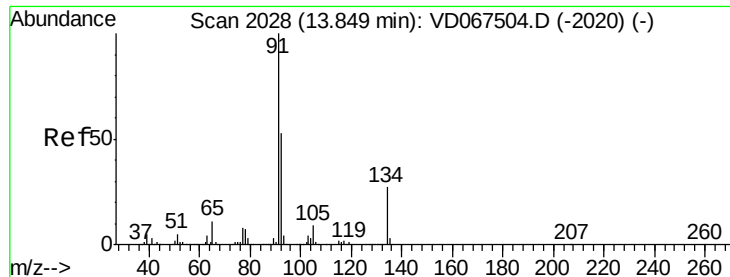
Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.7

148 64.6 31.8 95.4

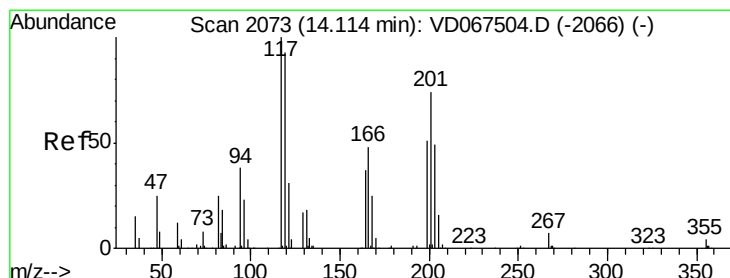
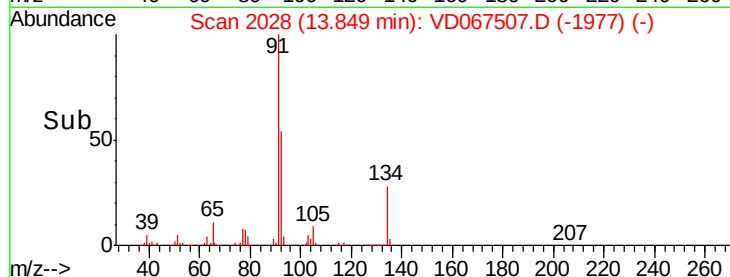
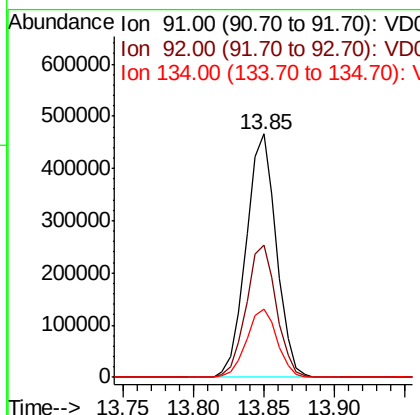
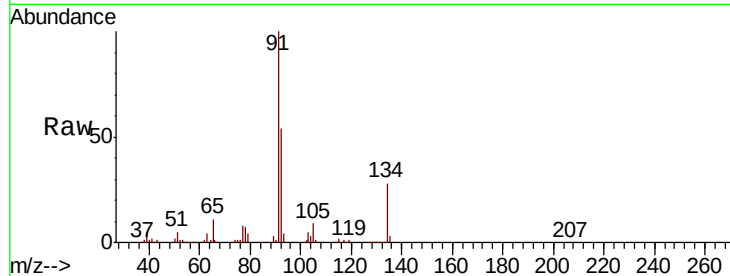




#89
n-Butylbenzene
Concen: 56.923 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

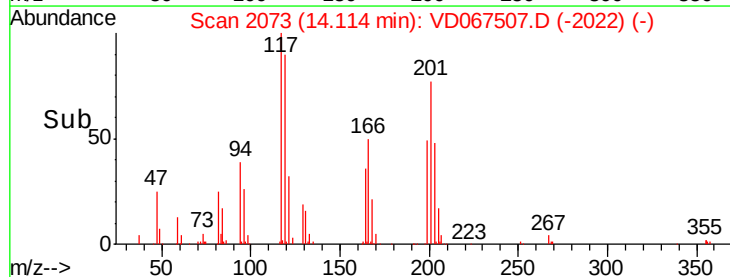
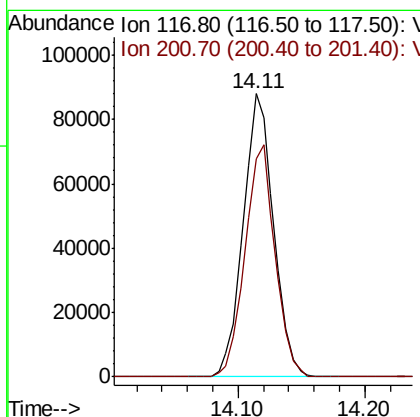
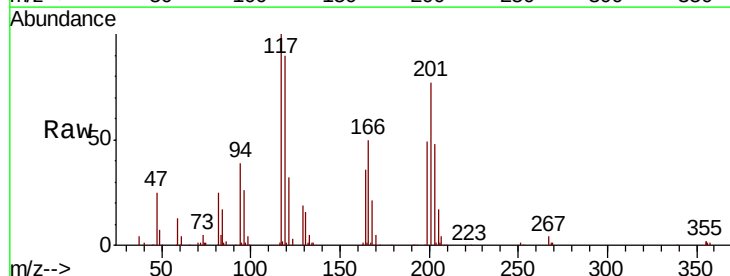
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110320

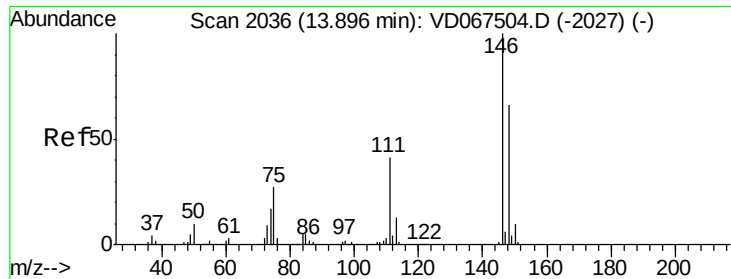
Tot Ion: 91 Resp: 699362
Ion Ratio Lower Upper
91 100
92 54.4 26.6 79.8
134 28.5 14.1 42.2



#90
Hexachloroethane
Concen: 54.483 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067507.D
Acq: 03 Nov 2020 13:24

Tgt Ion: 117 Resp: 145938
Ion Ratio Lower Upper
117 100
201 81.5 40.7 122.1

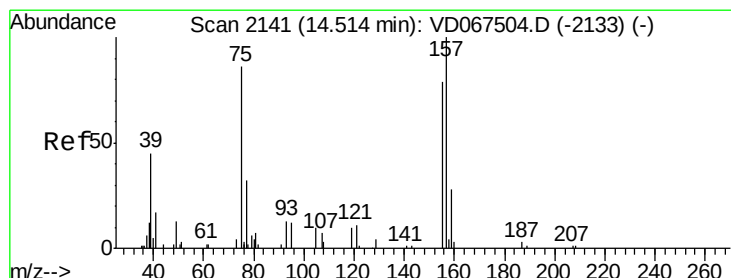
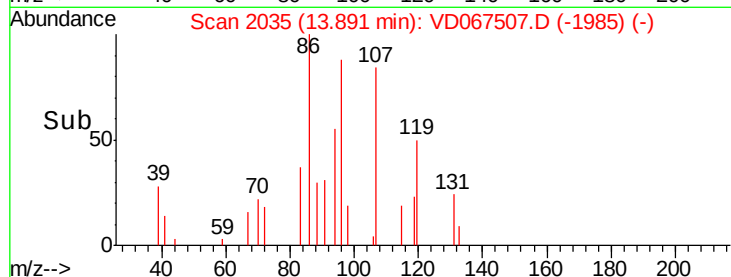
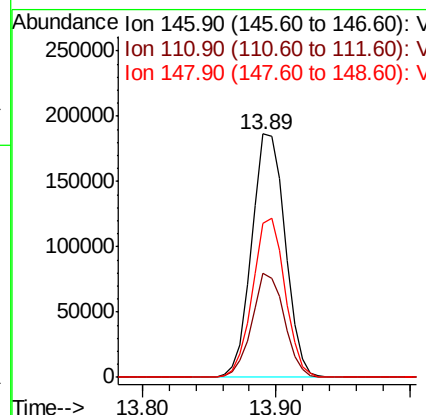
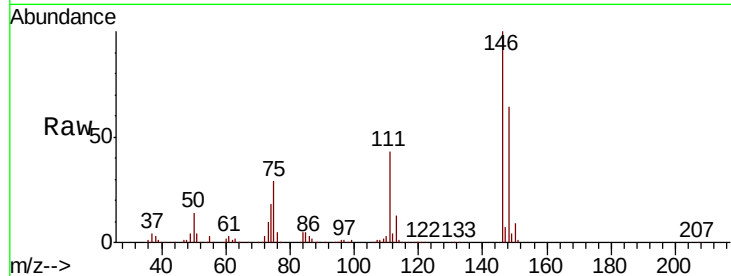




#91
 1,2-Dichlorobenzene
 Concen: 52.690 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

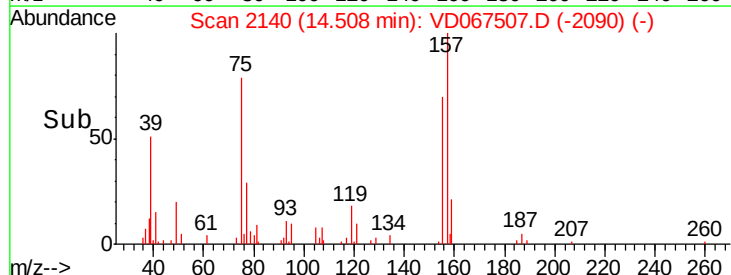
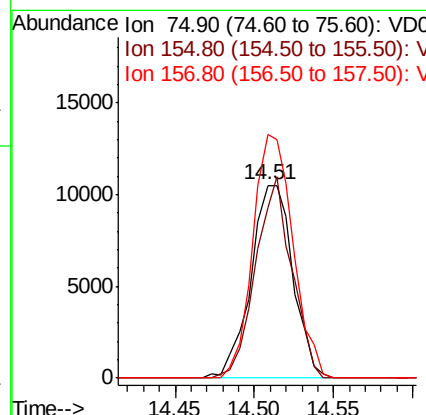
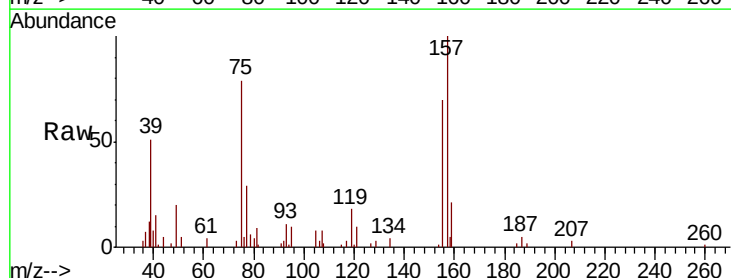
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

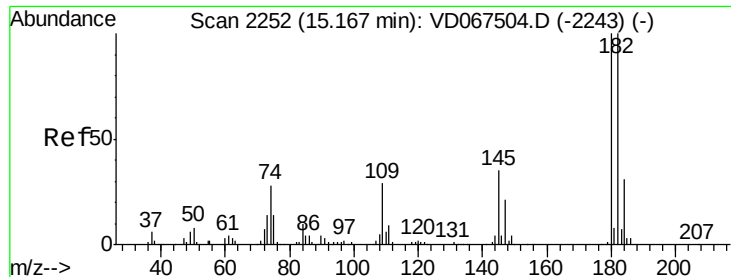
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.2	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.193 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	46.6	139.8
157	120.6	58.1	174.2

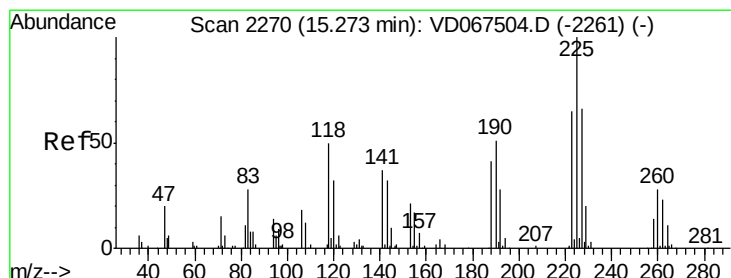
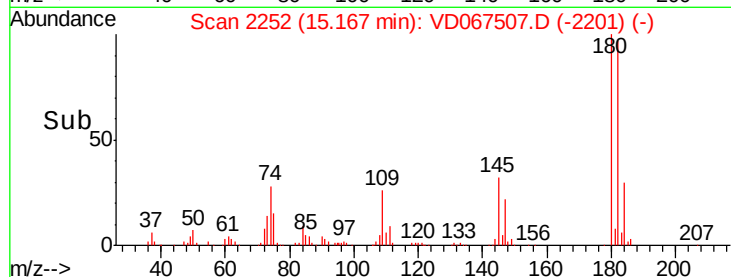
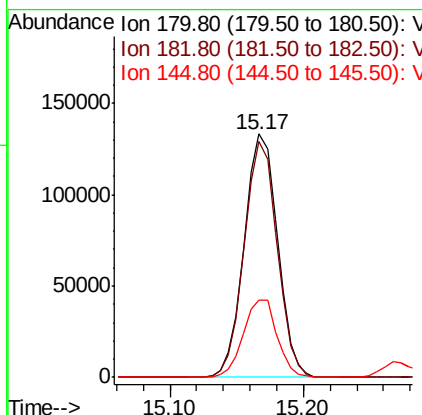
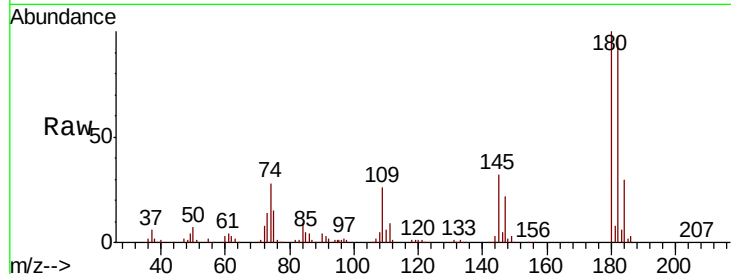




#93
 1,2,4-Trichlorobenzene
 Concen: 55.616 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

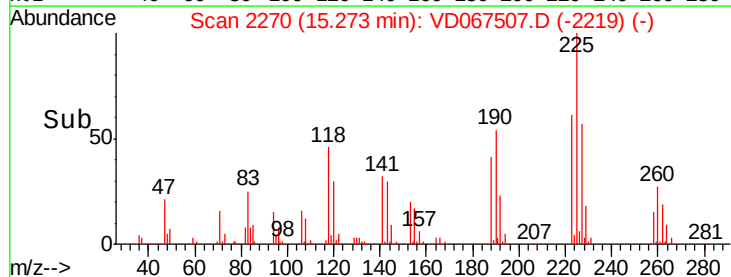
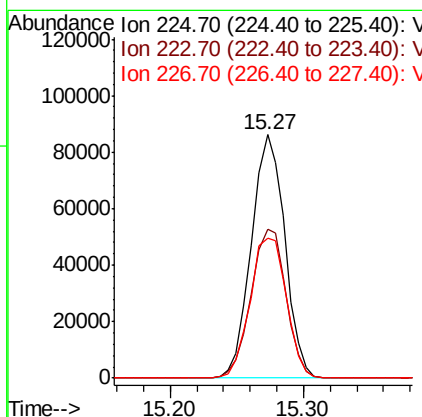
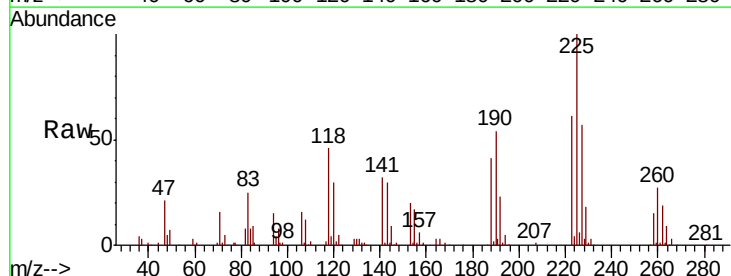
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110320

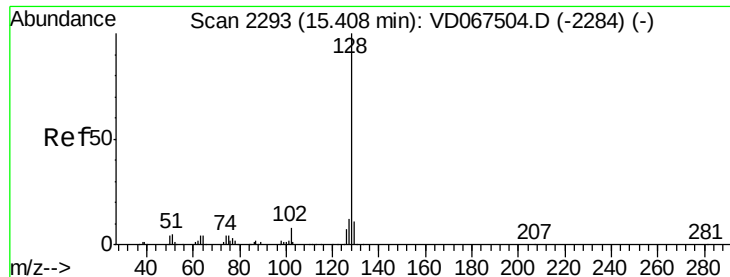
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.3
145	32.1	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 53.655 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067507.D
 Acq: 03 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.5
227	62.5	32.5	97.4





#95

Naphthalene

Concen: 56.561 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110320

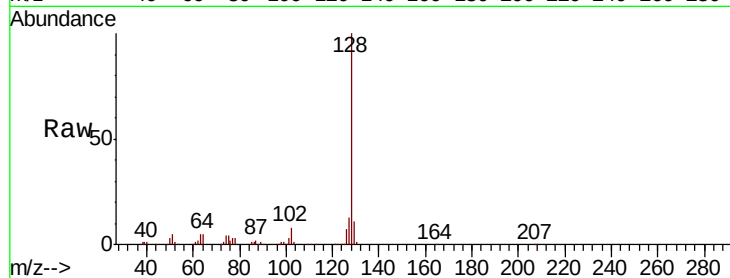
Tot Ion:128 Resp: 362116

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

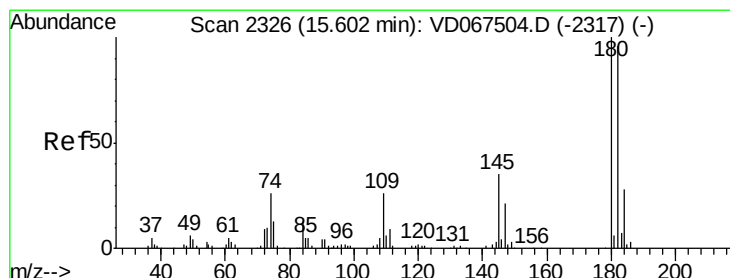
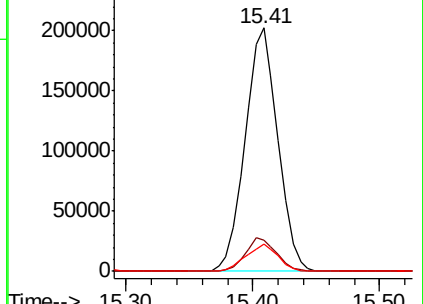
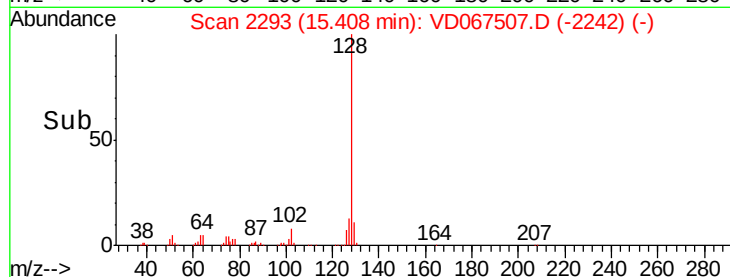
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.872 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067507.D

Acq: 03 Nov 2020 13:24

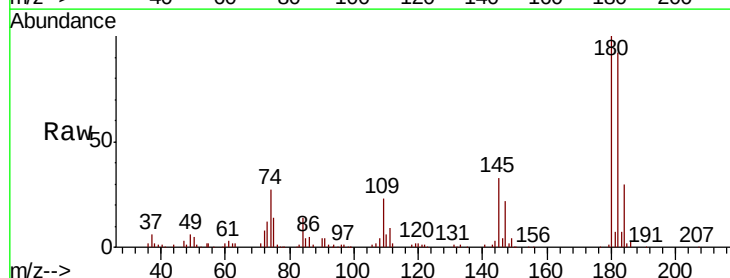
Tgt Ion:180 Resp: 194936

Ion Ratio Lower Upper

180 100

182 97.1 46.9 140.8

145 34.2 17.1 51.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

