

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067511.D
 Acq On : 04 Nov 2020 11:05
 Operator : VA/SY
 Sample : VD1104SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Quant Time: Nov 05 00:33:29 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	327778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	483950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215406	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	136589	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
35) Dibromofluoromethane	7.92	113	140455	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
50) Toluene-d8	10.34	98	498308	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.64	95	176667	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	65789	22.273	ug/l	99
3) Chloromethane	2.21	50	45991	22.532	ug/l	99
4) Vinyl Chloride	2.35	62	49132	21.590	ug/l	98
5) Bromomethane	2.77	94	37624	20.398	ug/l	97
6) Chloroethane	2.92	64	30140	21.483	ug/l	99
7) Trichlorofluoromethane	3.27	101	122152	20.731	ug/l	95
8) Diethyl Ether	3.71	74	23238	19.572	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	63007	21.184	ug/l	98
10) Methyl Iodide	4.30	142	60166	18.874	ug/l	99
11) Tert butyl alcohol	5.21	59	15811	117.292	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	56409	20.619	ug/l	97
13) Acrolein	3.93	56	6140	71.145	ug/l	91
14) Allyl chloride	4.71	41	60014	20.497	ug/l	97
15) Acrylonitrile	5.42	53	42769	97.448	ug/l	98
16) Acetone	4.17	43	39007	90.949	ug/l	96
17) Carbon Disulfide	4.41	76	173706	20.721	ug/l	99
18) Methyl Acetate	4.71	43	16868	19.032	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	107766	19.970	ug/l	100
20) Methylene Chloride	4.96	84	65285	21.549	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	65998	20.712	ug/l	96
22) Diisopropyl ether	6.36	45	119536	20.950	ug/l	96
23) Vinyl Acetate	6.31	43	303833	101.728	ug/l	100
24) 1,1-Dichloroethane	6.27	63	96010	20.568	ug/l #	92
25) 2-Butanone	7.21	43	42739	93.260	ug/l	100
26) 2,2-Dichloropropane	7.21	77	103279	20.964	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	68072	20.582	ug/l	98
28) Bromochloromethane	7.55	49	32373	19.497	ug/l	98
29) Tetrahydrofuran	7.56	42	26683	97.202	ug/l	94
30) Chloroform	7.71	83	117944	21.179	ug/l	91
31) Cyclohexane	7.99	56	84013	20.211	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	121205	21.095	ug/l	98
36) 1,1-Dichloropropene	8.11	75	85920	20.741	ug/l	98
37) Ethyl Acetate	7.30	43	22257	20.695	ug/l	98
38) Carbon Tetrachloride	8.10	117	115822	21.519	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	99809	20.471	ug/l	97
40) Benzene	8.36	78	237365	21.153	ug/l	99
41) Methacrylonitrile	7.53	41	11793	18.345	ug/l	96
42) 1,2-Dichloroethane	8.43	62	72804	20.999	ug/l	100
43) Isopropyl Acetate	8.45	43	41807	19.656	ug/l	99
44) Trichloroethene	9.11	130	77615	21.036	ug/l	93
45) 1,2-Dichloropropane	9.39	63	51181	21.096	ug/l #	87
46) Dibromomethane	9.48	93	30119	19.525	ug/l	94
47) Bromodichloromethane	9.67	83	88489	21.105	ug/l	94
48) Methyl methacrylate	9.46	41	19401	17.666	ug/l	87
49) 1,4-Dioxane	9.46	88	6136	391.832	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	101700	99.978	ug/l	98
52) Toluene	10.41	92	159203	21.182	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	75544	21.038	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	88071	20.643	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	42253	20.702	ug/l	99
56) Ethyl methacrylate	10.67	69	42638	20.230	ug/l	94
57) 1,3-Dichloropropane	10.95	76	68648	20.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	97310	99.005	ug/l	96
59) 2-Hexanone	10.99	43	68518	96.335	ug/l	98
60) Dibromochloromethane	11.15	129	63737	21.111	ug/l	99
61) 1,2-Dibromoethane	11.25	107	40812	19.923	ug/l	97
64) Tetrachloroethene	10.88	164	68820	21.135	ug/l	98
65) Chlorobenzene	11.67	112	173565	20.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	69741	20.893	ug/l	99
67) Ethyl Benzene	11.75	91	304946	21.041	ug/l	99
68) m/p-Xylenes	11.86	106	242861	43.074	ug/l	97
69) o-Xylene	12.18	106	107088	21.273	ug/l	96
70) Styrene	12.20	104	188187	21.454	ug/l	97
71) Bromoform	12.36	173	34527	20.281	ug/l #	96
73) Isopropylbenzene	12.48	105	299755	21.532	ug/l	99
74) N-amyl acetate	12.29	43	36184	19.753	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	40295	21.227	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	53116	40.876	ug/l #	100
77) Bromobenzene	12.77	156	70175	20.526	ug/l	97
78) n-propylbenzene	12.83	91	346179	21.740	ug/l	99
79) 2-Chlorotoluene	12.91	91	197645	21.850	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	257869	21.684	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13023	20.347	ug/l	91
82) 4-Chlorotoluene	13.01	91	206022	21.237	ug/l	100
83) tert-Butylbenzene	13.23	119	222872	22.113	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	255779	21.607	ug/l	97
85) sec-Butylbenzene	13.40	105	303117	22.278	ug/l	100
86) p-Isopropyltoluene	13.52	119	283598	21.585	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	139463	21.378	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	140351	21.247	ug/l	98
89) n-Butylbenzene	13.85	91	243459	21.452	ug/l	99
90) Hexachloroethane	14.11	117	52262	21.122	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	119224	21.116	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6812	20.267	ug/l	95

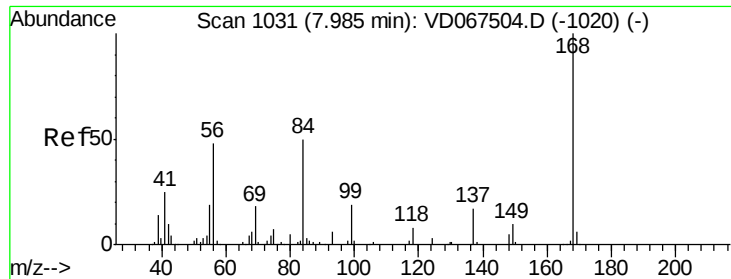
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110420\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	78043	20.366	ug/l	98
94) Hexachlorobutadiene	15.27	225	52612	20.514	ug/l	97
95) Naphthalene	15.41	128	115819	19.584	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	67015	20.422	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: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

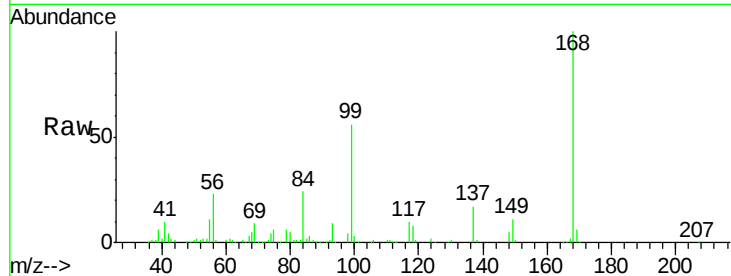
VD1104SBS01

Tot Ion:168 Resp: 327778

Ion Ratio Lower Upper

168 100

99 55.6 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

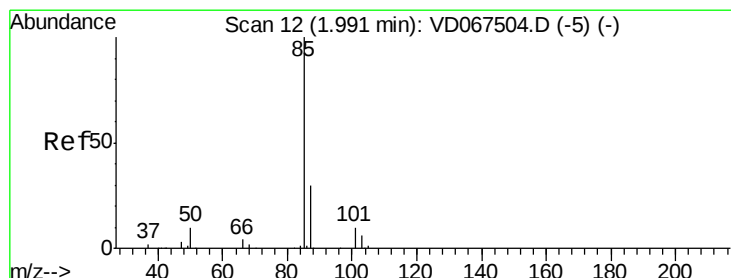
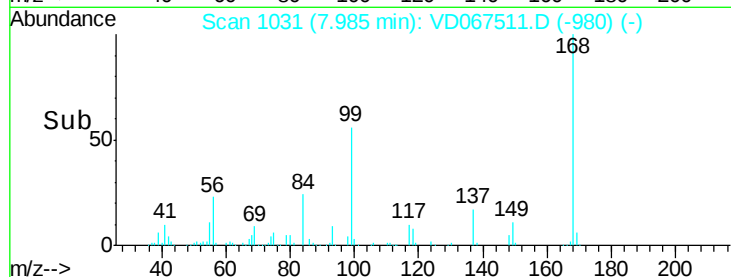
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 22.273 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067511.D

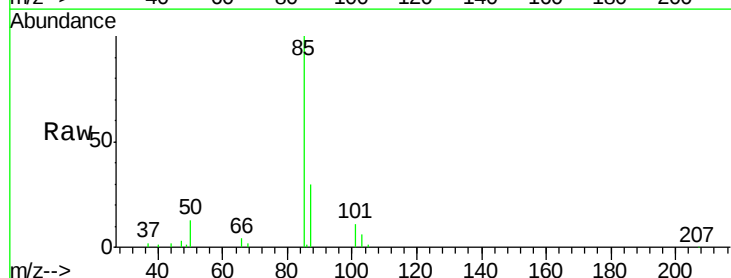
Acq: 04 Nov 2020 11:05

Tgt Ion: 85 Resp: 65789

Ion Ratio Lower Upper

85 100

87 30.0 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

50000

40000

30000

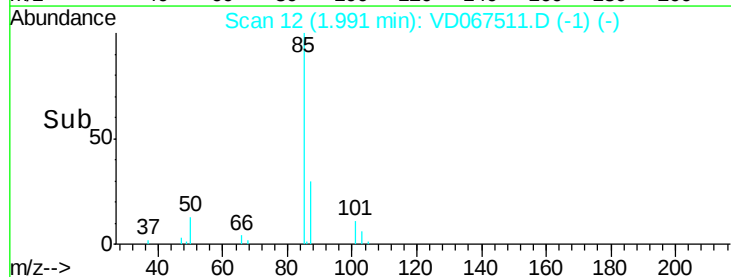
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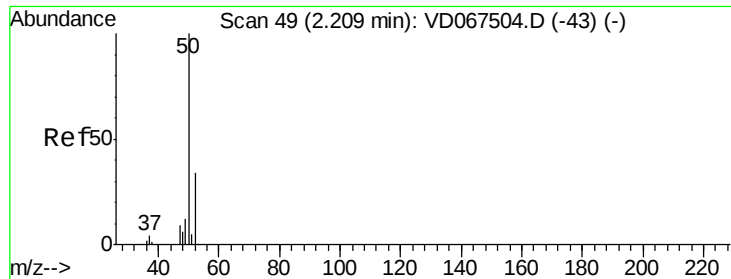
10000

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Time-->

1.90 1.95 2.00 2.05





#3

Chloromethane

Concen: 22.532 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

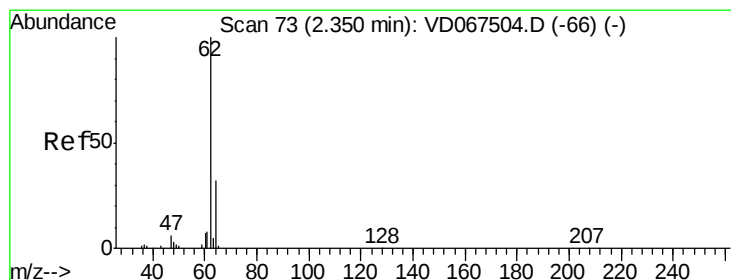
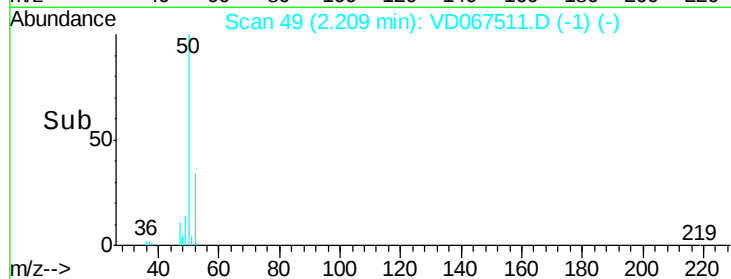
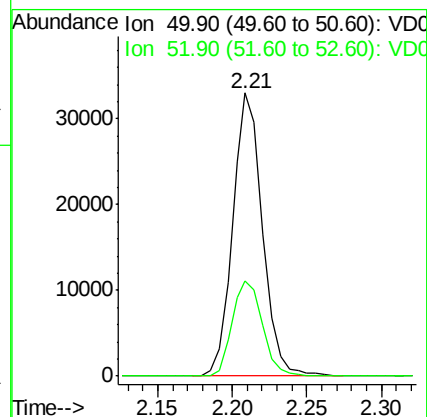
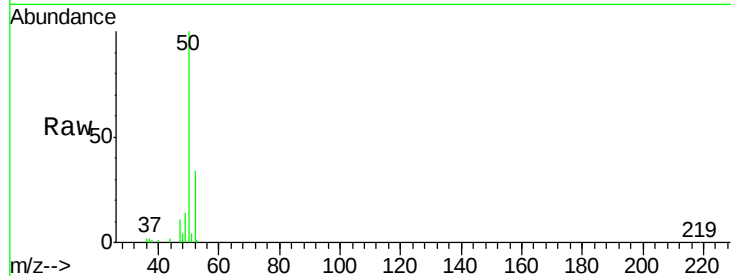
VD1104SBS01

Tot Ion: 50 Resp: 45991

Ion Ratio Lower Upper

50 100

52 33.8 27.3 40.9



#4

Vinyl Chloride

Concen: 21.590 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067511.D

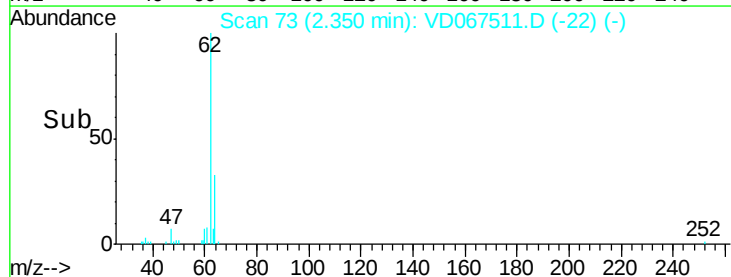
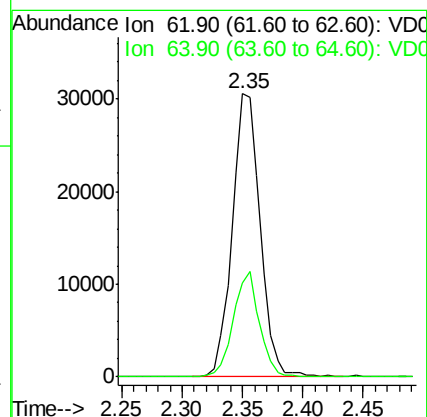
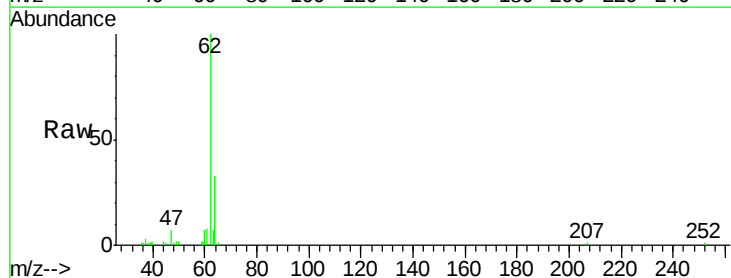
Acq: 04 Nov 2020 11:05

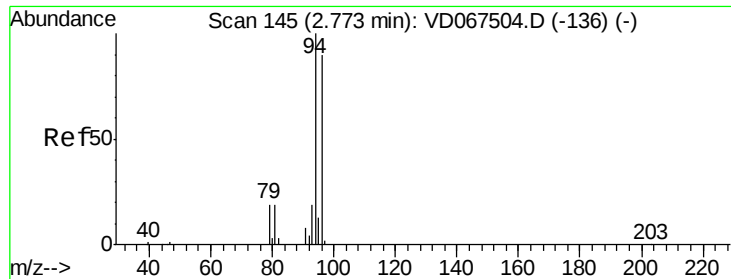
Tgt Ion: 62 Resp: 49132

Ion Ratio Lower Upper

62 100

64 33.0 25.6 38.4





#5

Bromomethane

Concen: 20.398 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

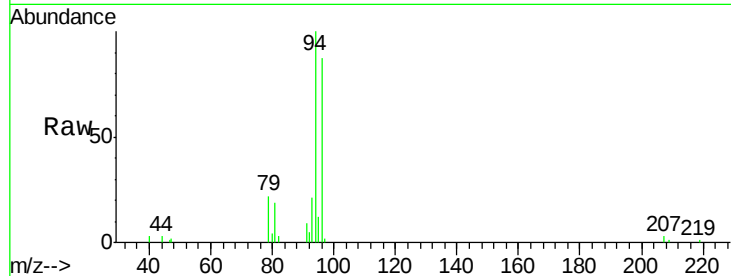
VD1104SBS01

Tot Ion: 94 Resp: 37624

Ion Ratio Lower Upper

94 100

96 86.9 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

15000

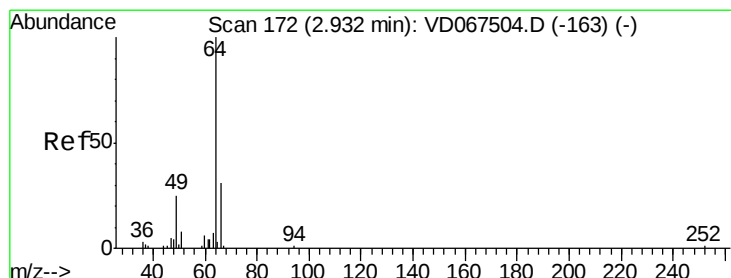
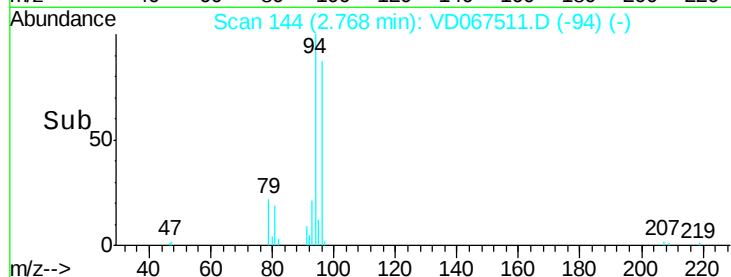
10000

5000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 21.483 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067511.D

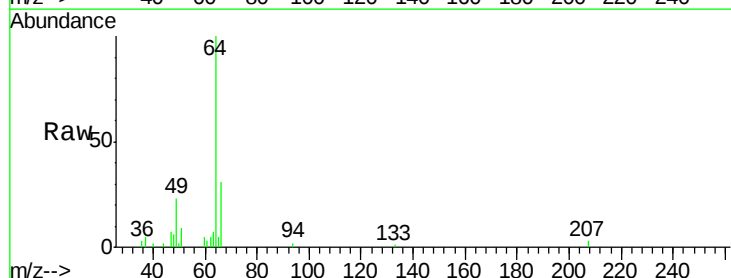
Acq: 04 Nov 2020 11:05

Tgt Ion: 64 Resp: 30140

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

15000

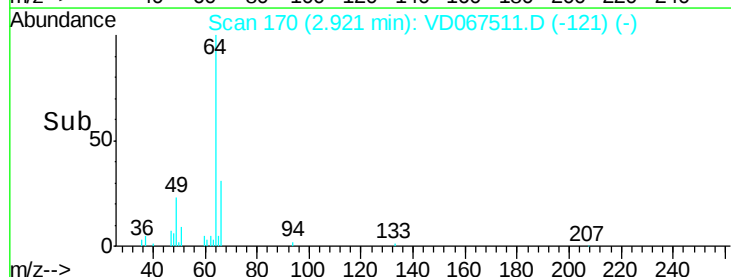
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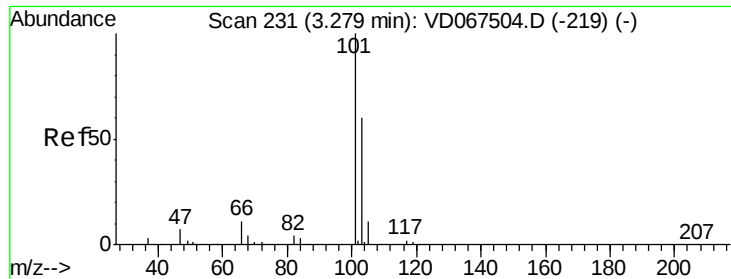
5000

0

Time-->

2.85 2.90 2.95 3.00



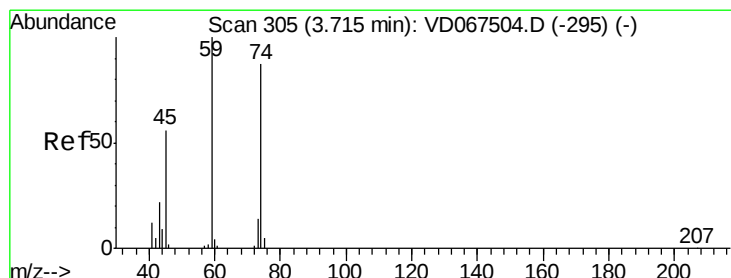
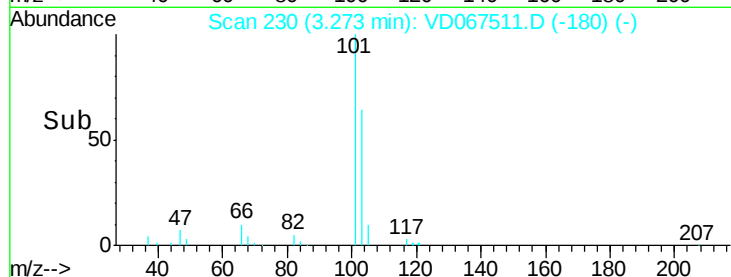
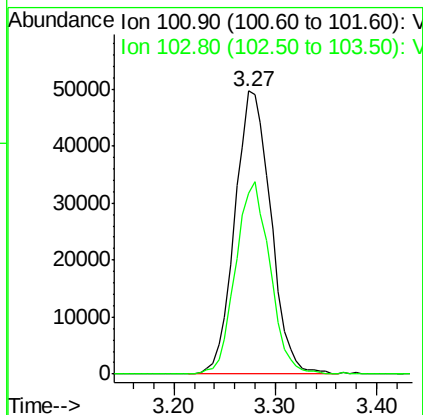
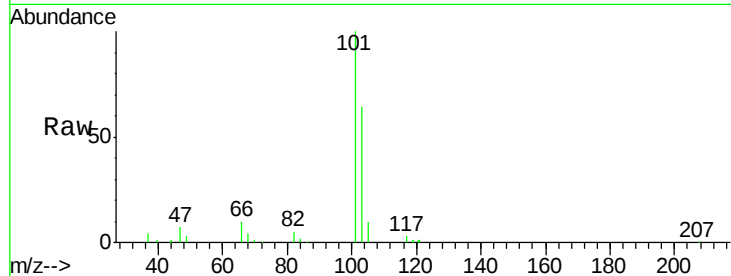


#7

Trichlorofluoromethane
 Concen: 20.731 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

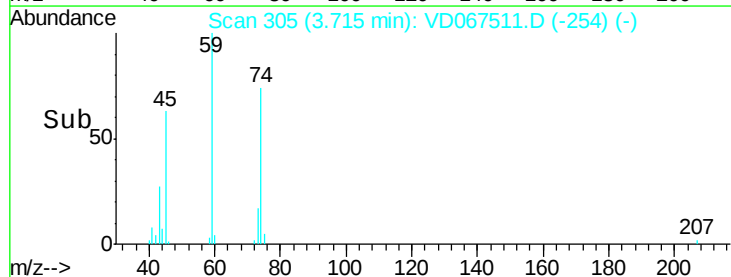
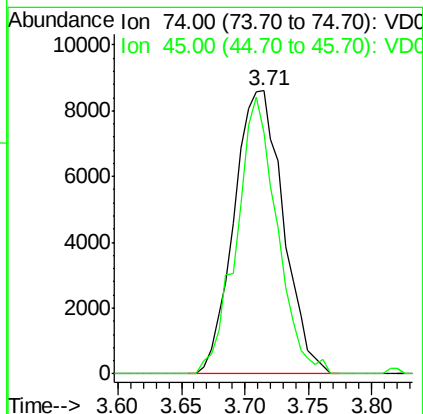
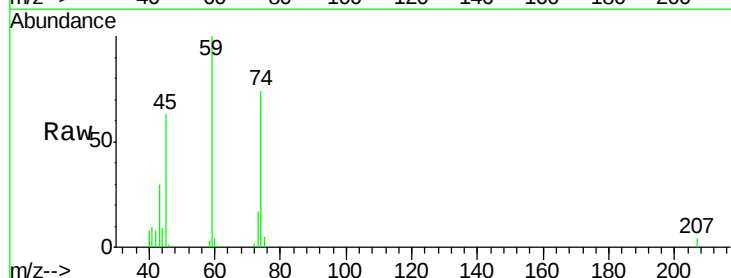
Tot Ion:101 Resp: 122152
 Ion Ratio Lower Upper
 101 100
 103 64.1 48.1 72.1

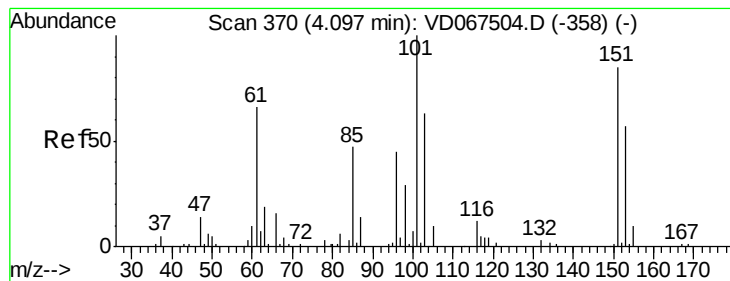


#8

Diethyl Ether
 Concen: 19.572 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion: 74 Resp: 23238
 Ion Ratio Lower Upper
 74 100
 45 80.6 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.184 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

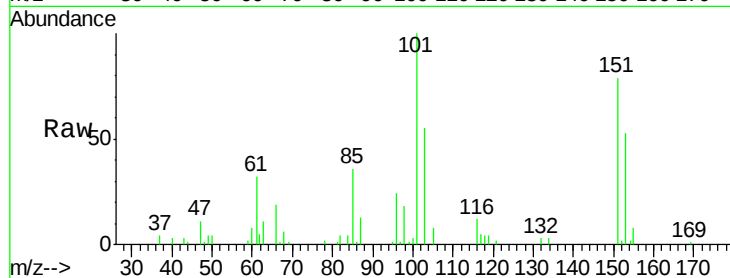
Tot Ion:101 Resp: 63007

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

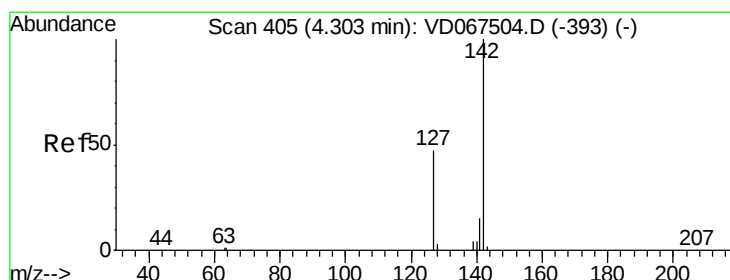
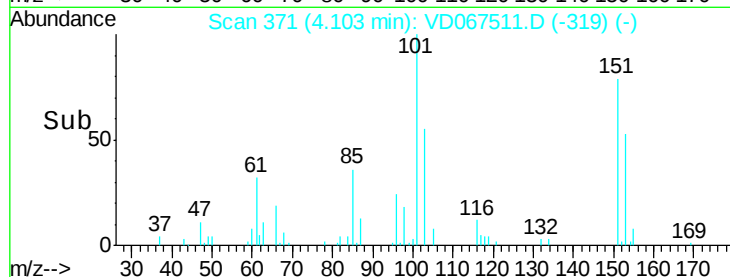
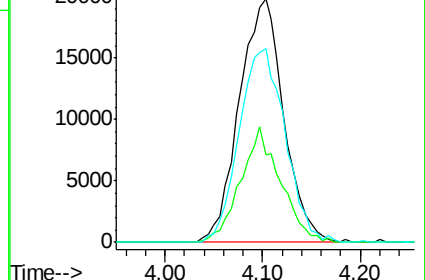
151 82.4 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.874 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

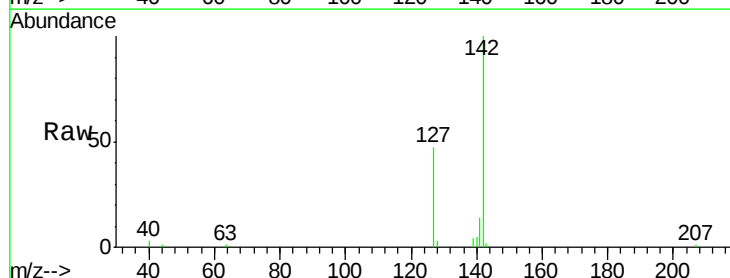
Tgt Ion:142 Resp: 60166

Ion Ratio Lower Upper

142 100

127 49.3 40.0 60.0

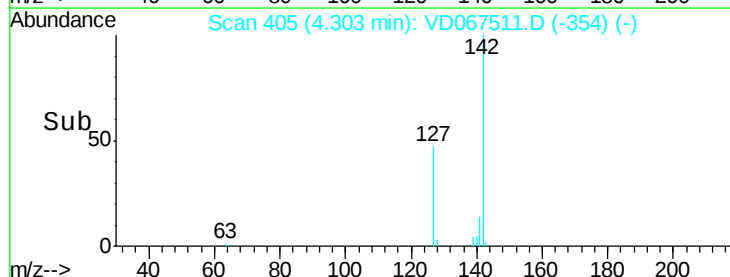
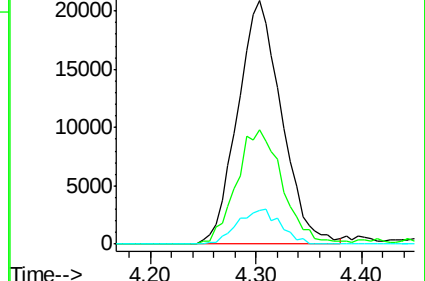
141 14.1 11.7 17.5

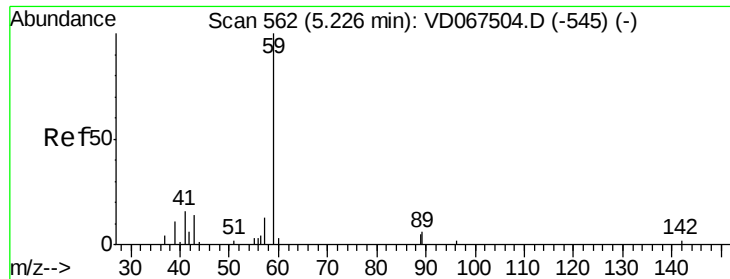


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



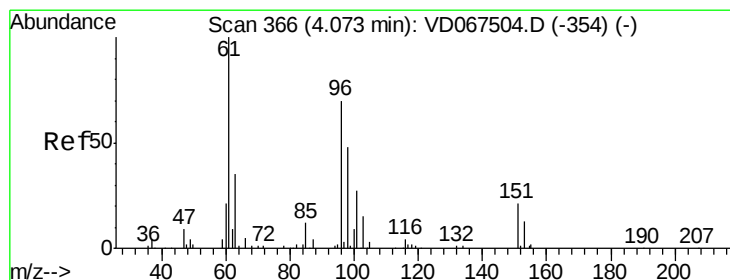
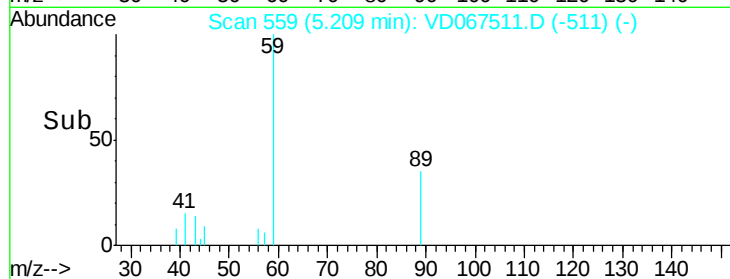
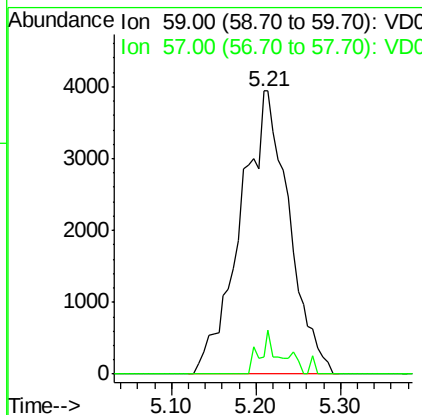
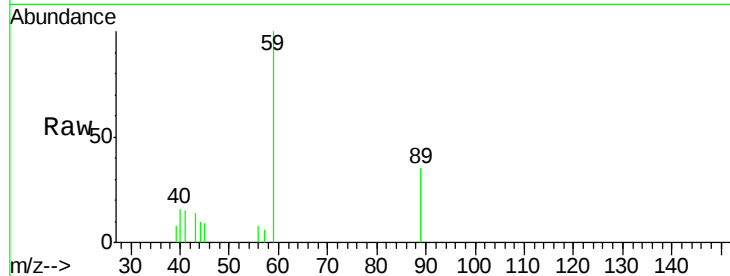


#11

Tert butyl alcohol
 Concen: 117.292 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

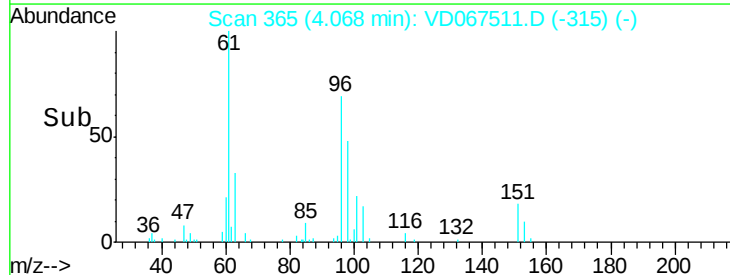
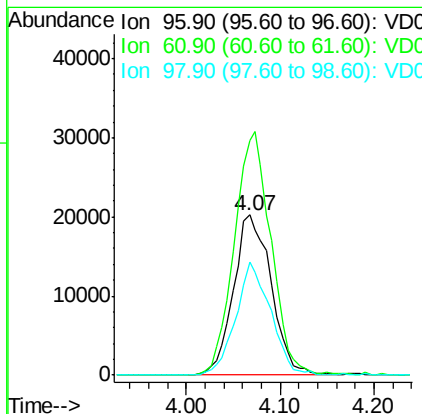
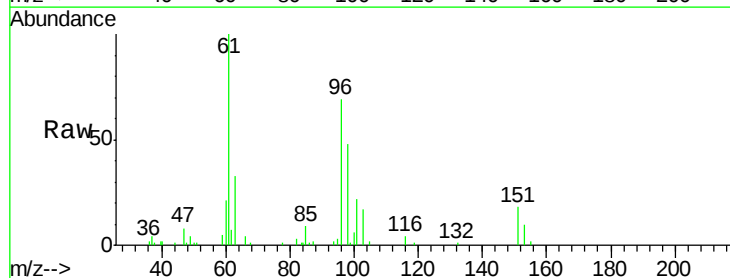
Tot Ion: 59 Resp: 15811
 Ion Ratio Lower Upper
 59 100
 57 4.8 5.9 8.9#

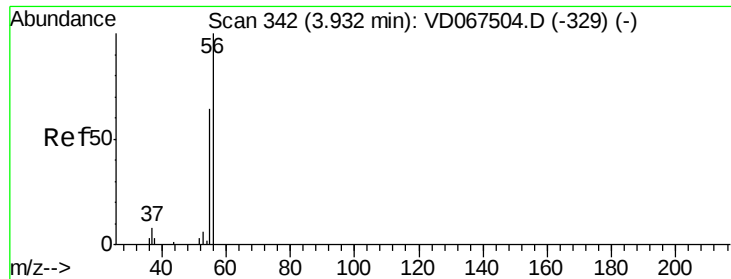


#12

1,1-Dichloroethene
 Concen: 20.619 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion: 96 Resp: 56409
 Ion Ratio Lower Upper
 96 100
 61 145.9 114.5 171.7
 98 70.8 54.5 81.7





#13

Acrolein

Concen: 71.145 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

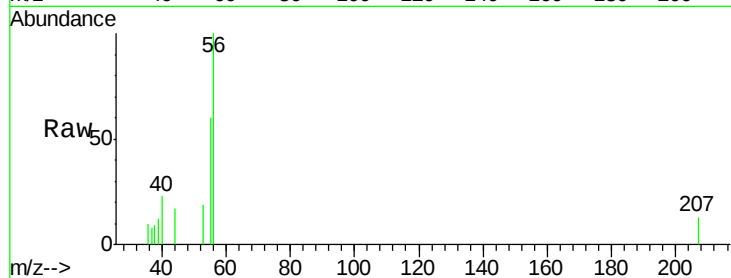
VD1104SBS01

Tot Ion: 56 Resp: 6140

Ion Ratio Lower Upper

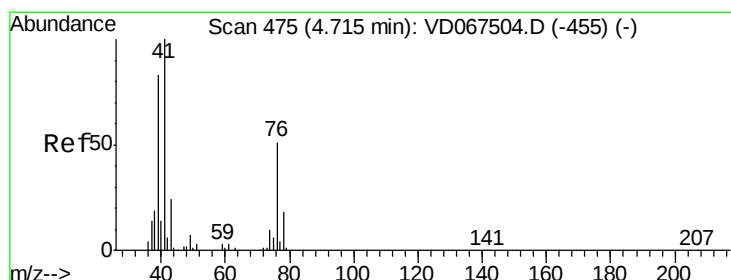
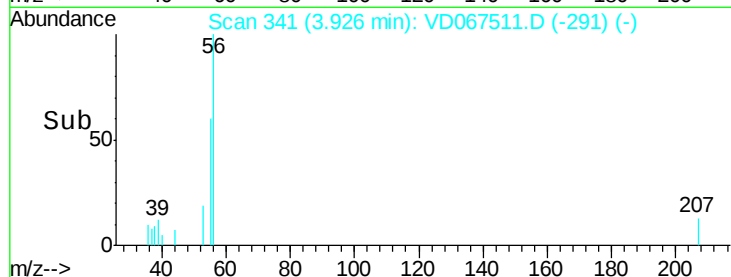
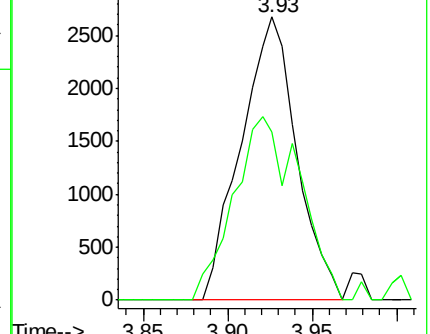
56 100

55 77.0 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.497 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

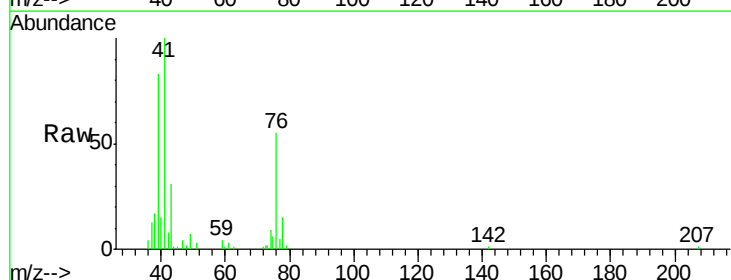
Tgt Ion: 41 Resp: 60014

Ion Ratio Lower Upper

41 100

39 81.7 67.4 101.0

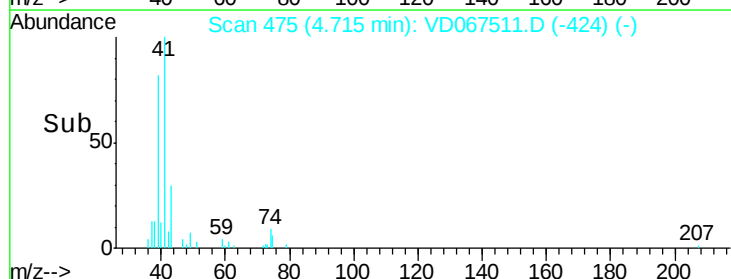
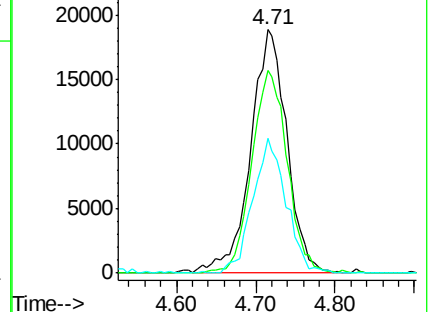
76 50.9 42.2 63.2

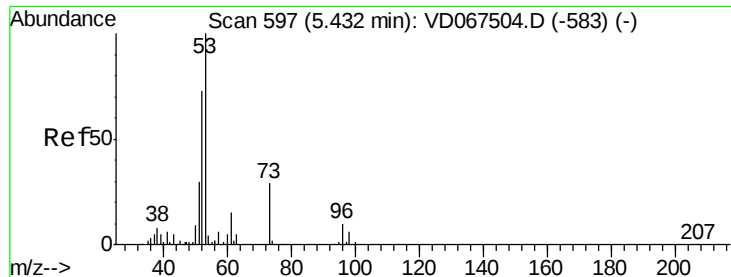


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 97.448 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

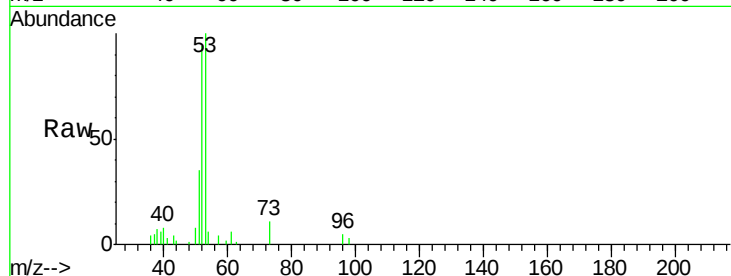
Tot Ion: 53 Resp: 42769

Ion Ratio Lower Upper

53 100

52 79.1 64.8 97.2

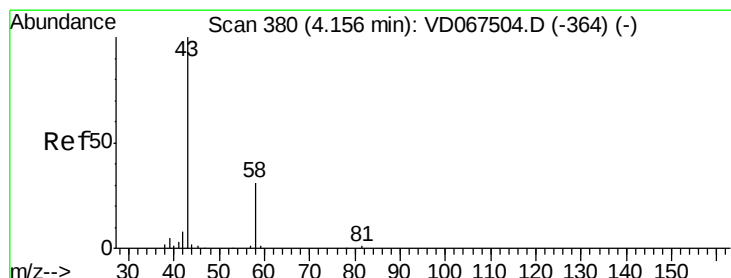
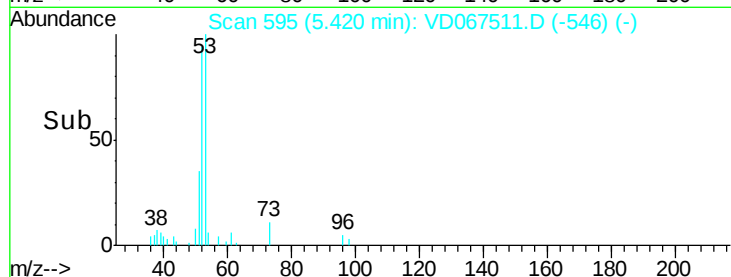
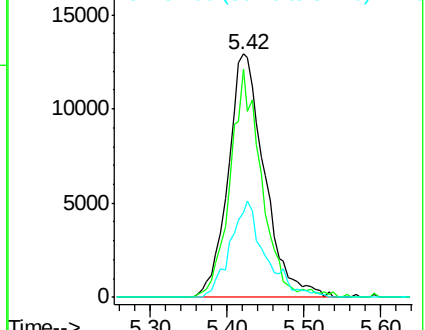
51 38.0 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 90.949 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067511.D

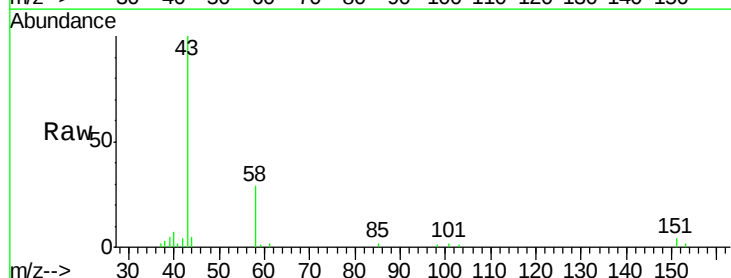
Acq: 04 Nov 2020 11:05

Tgt Ion: 43 Resp: 39007

Ion Ratio Lower Upper

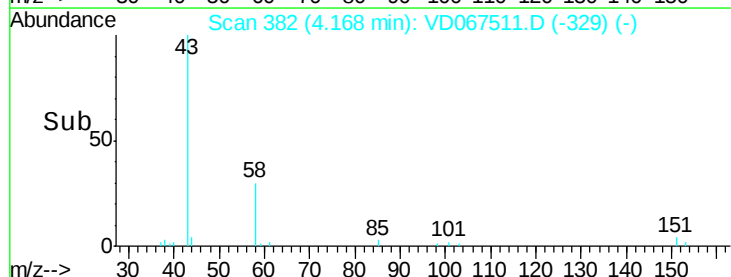
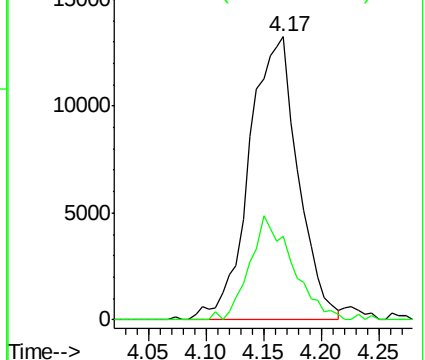
43 100

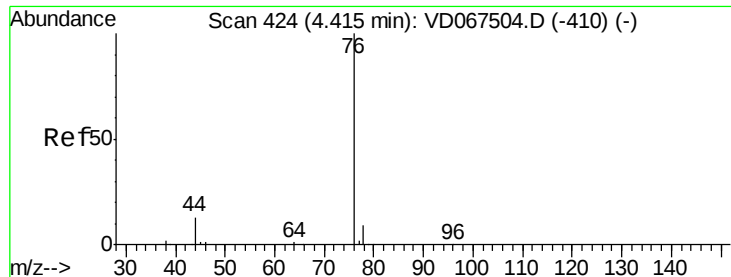
58 29.4 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

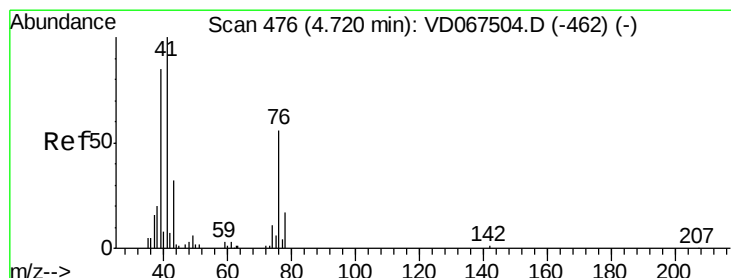
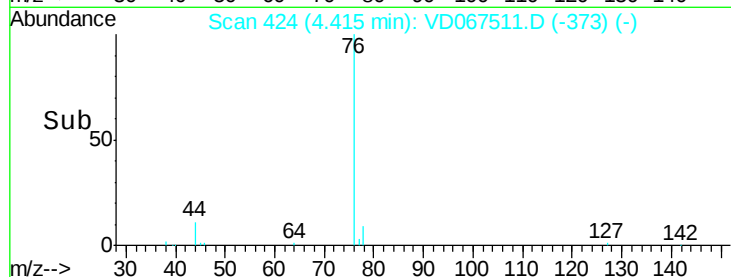
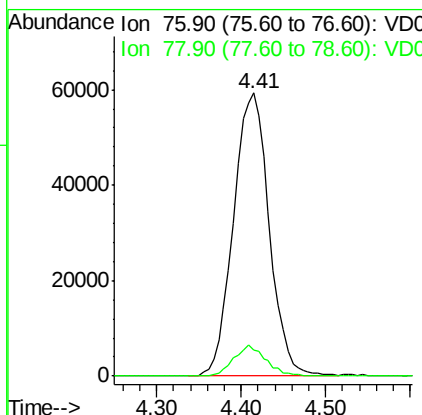
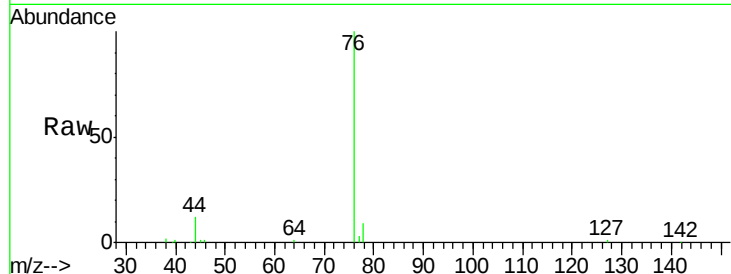




#17
Carbon Disulfide
Concen: 20.721 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

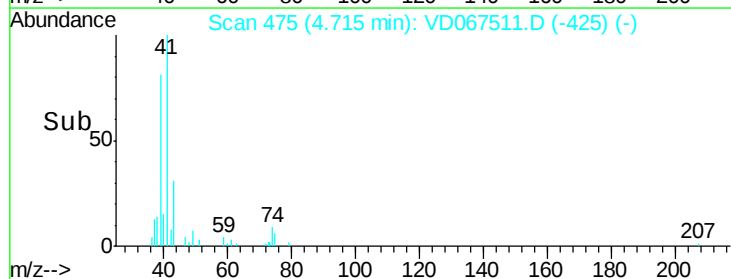
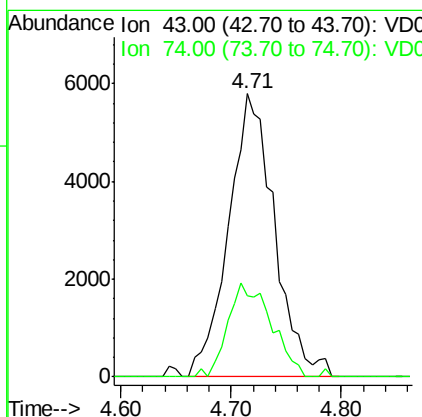
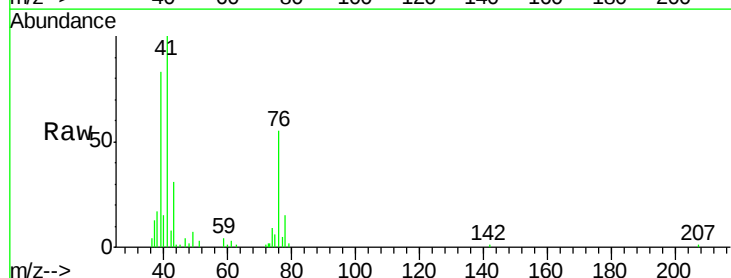
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

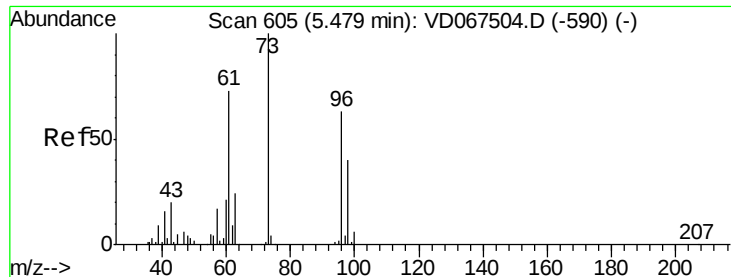
Tot Ion: 76 Resp: 173706
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 19.032 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion: 43 Resp: 16868
Ion Ratio Lower Upper
43 100
74 31.4 27.2 40.8

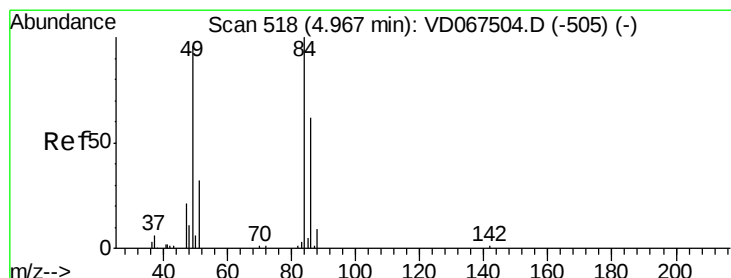
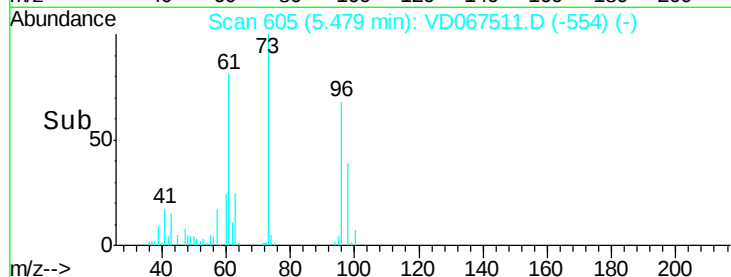
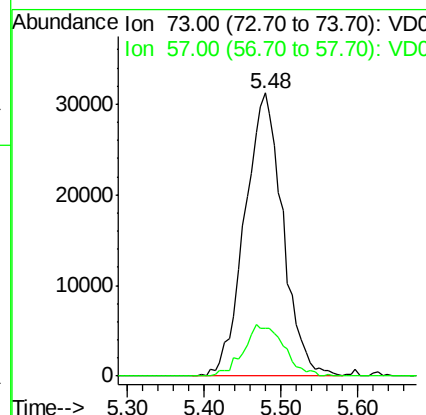
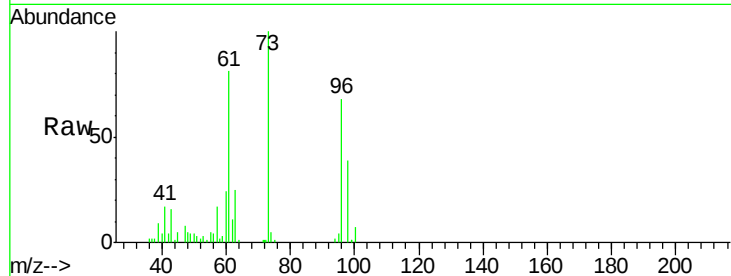




#19
Methyl tert-butyl Ether
Concen: 19.970 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

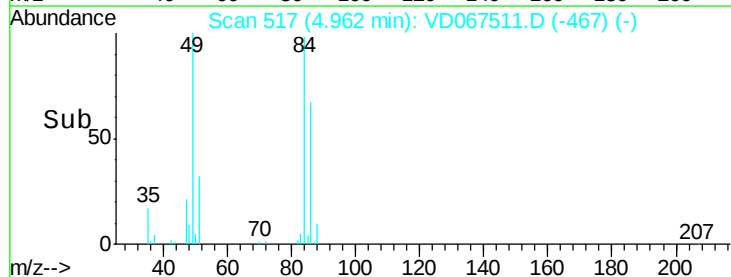
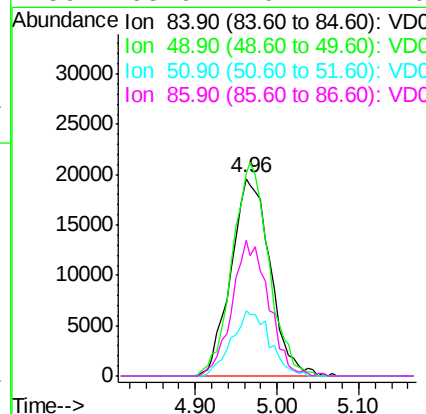
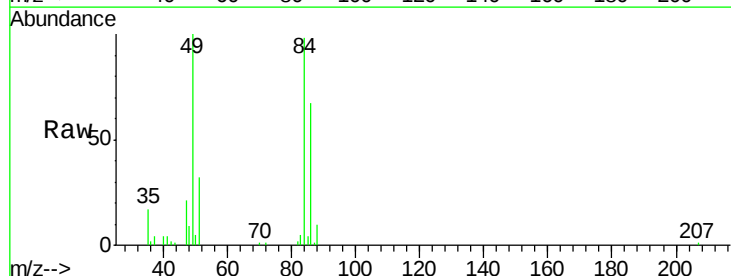
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

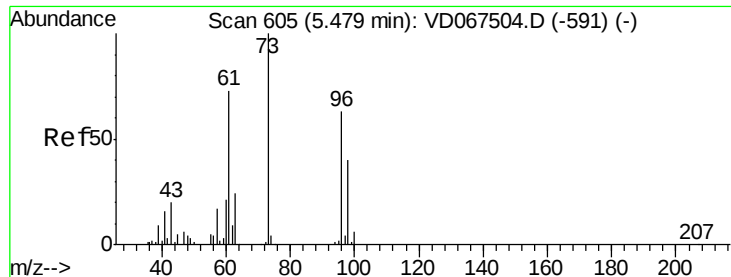
Tot Ion: 73 Resp: 107766
Ion Ratio Lower Upper
73 100
57 16.9 13.4 20.0



#20
Methylene Chloride
Concen: 21.549 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion: 84 Resp: 65285
Ion Ratio Lower Upper
84 100
49 102.5 77.0 115.4
51 33.1 25.4 38.2
86 68.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.712 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

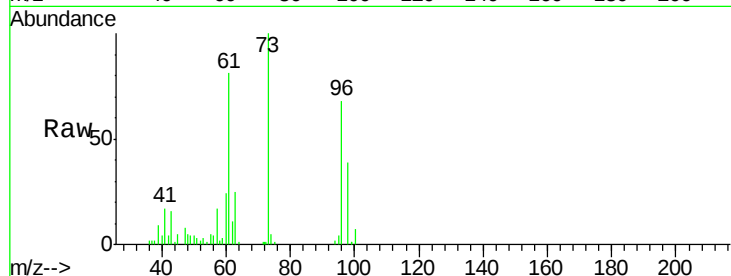
Tot Ion: 96 Resp: 65998

Ion Ratio Lower Upper

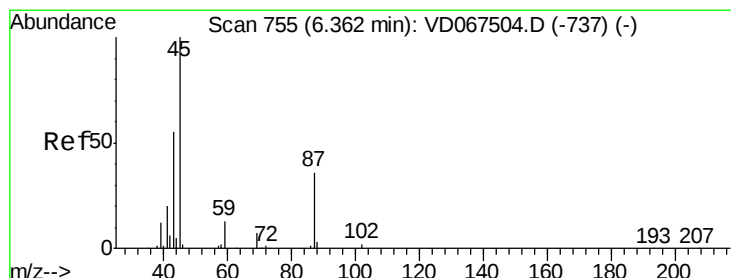
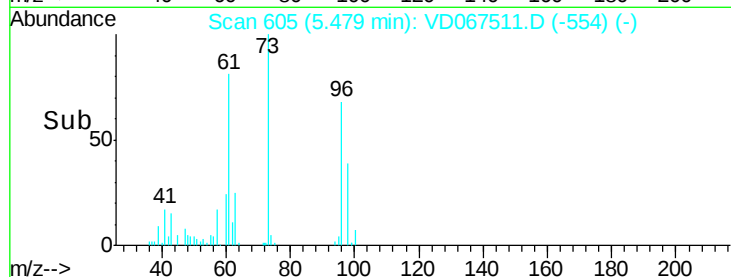
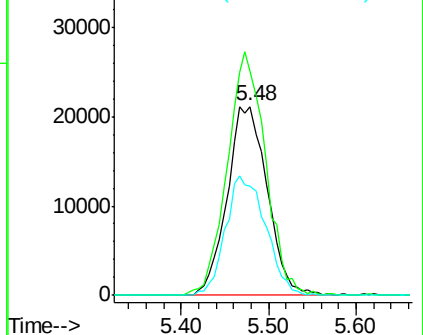
96 100

61 118.9 93.0 139.6

98 58.0 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: 20.950 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Tgt Ion: 45 Resp: 119536

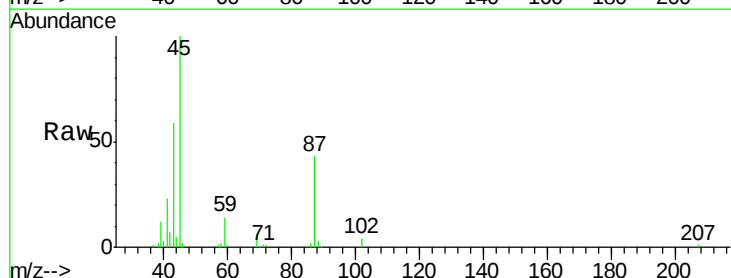
Ion Ratio Lower Upper

45 100

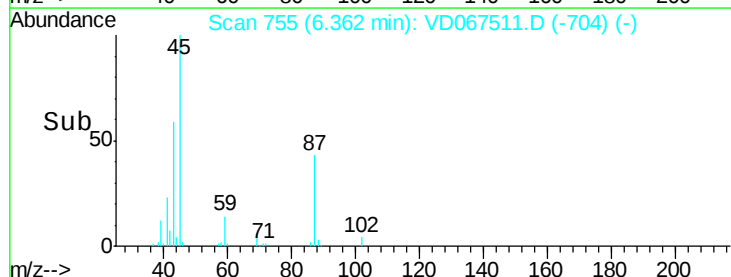
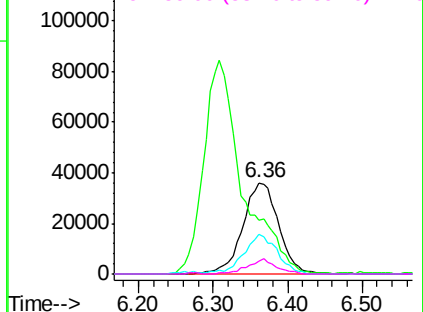
43 58.2 46.2 69.4

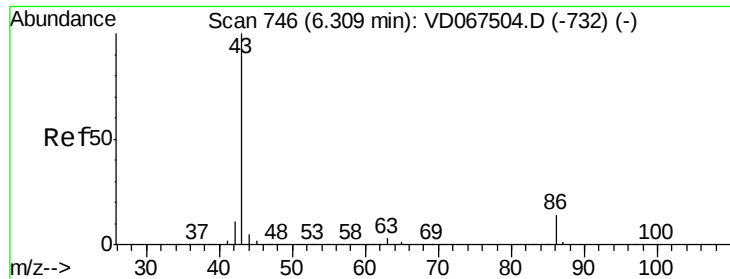
87 42.6 29.4 44.2

59 14.5 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

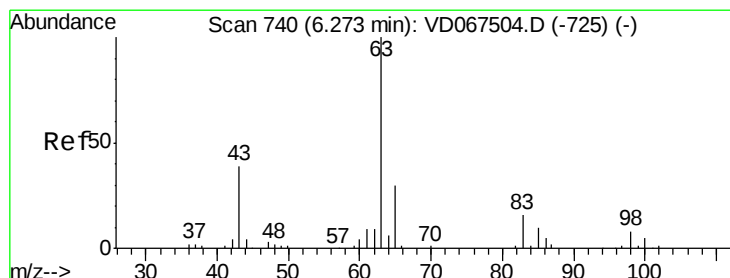
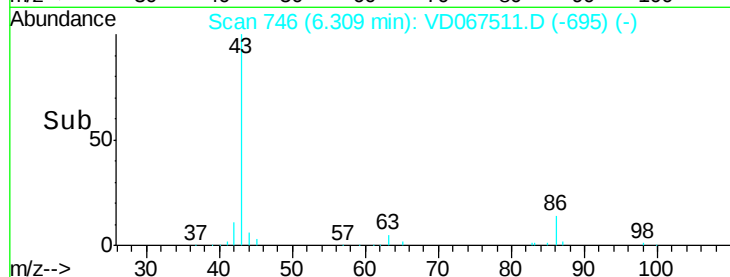
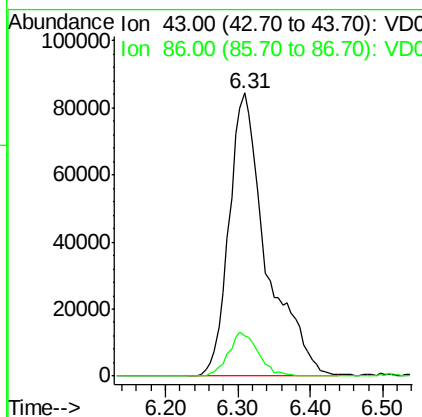
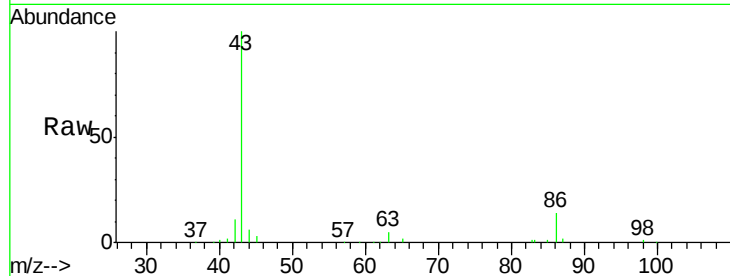




#23
 Vinyl Acetate
 Concen: 101.728 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

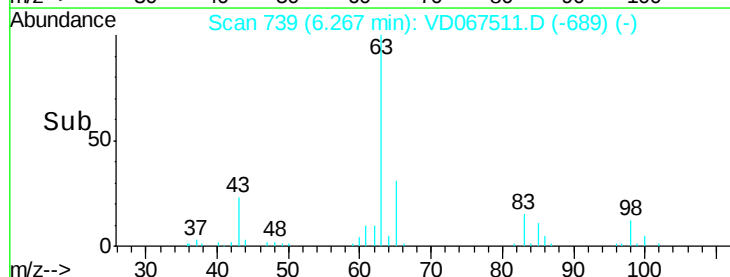
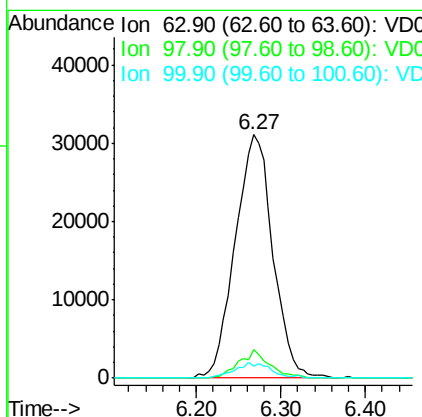
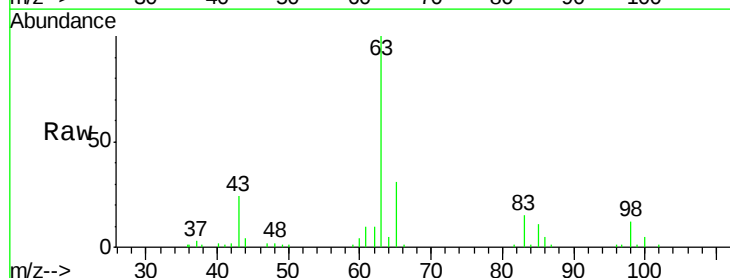
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

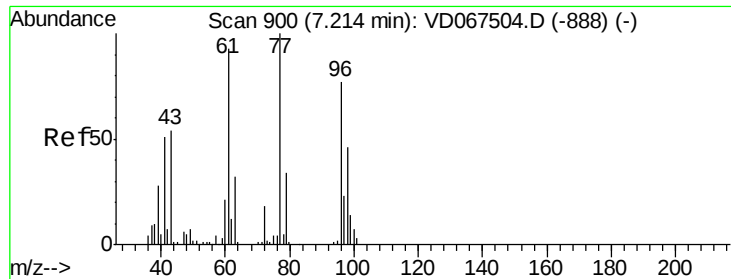
Tot Ion: 43 Resp: 303833
 Ion Ratio Lower Upper
 43 100
 86 14.4 11.6 17.4



#24
 1,1-Dichloroethane
 Concen: 20.568 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion: 63 Resp: 96010
 Ion Ratio Lower Upper
 63 100
 98 11.8 3.9 11.5#
 100 4.7 2.6 7.8





#25

2-Butanone

Concen: 93.260 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

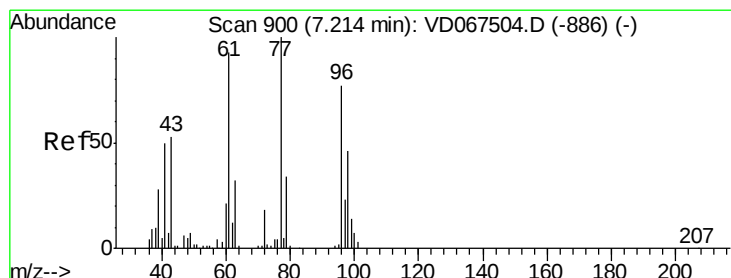
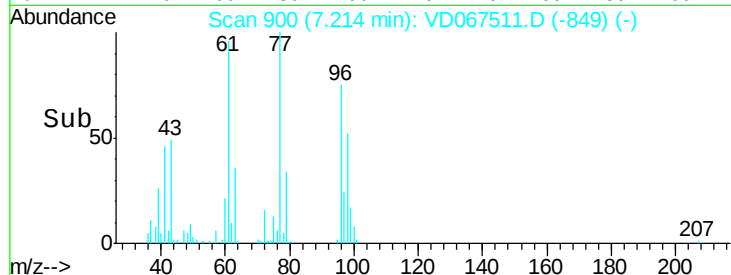
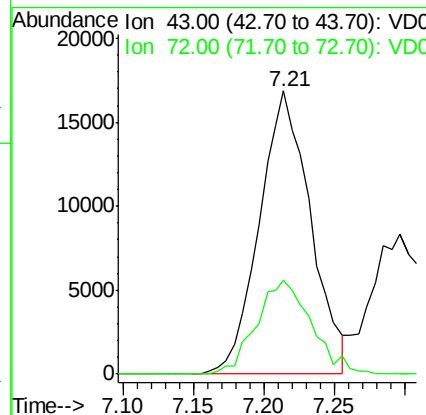
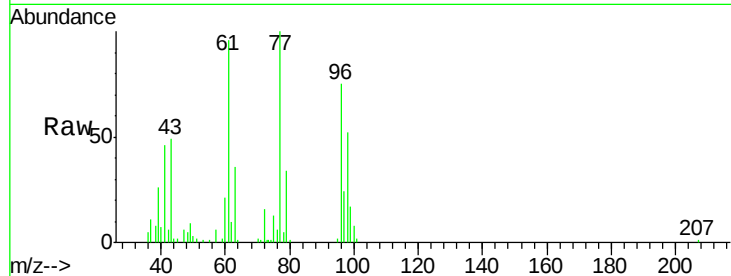
VD1104SBS01

Tot Ion: 43 Resp: 42739

Ion Ratio Lower Upper

43 100

72 33.1 26.4 39.6



#26

2,2-Dichloropropane

Concen: 20.964 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067511.D

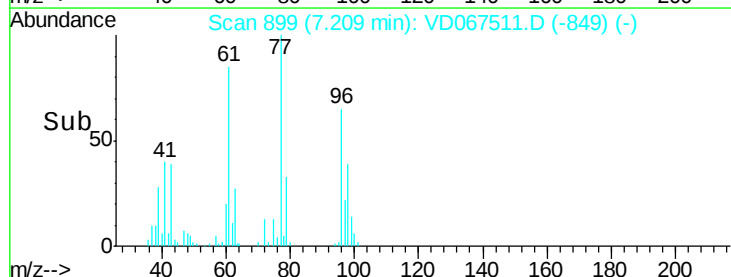
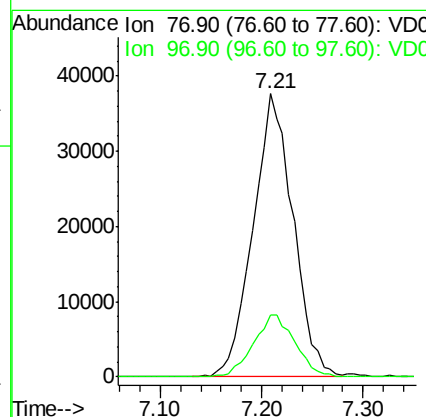
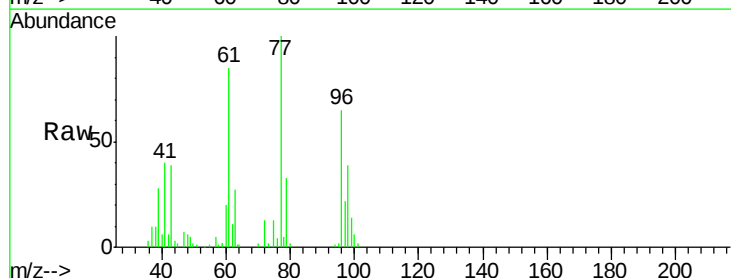
Acq: 04 Nov 2020 11:05

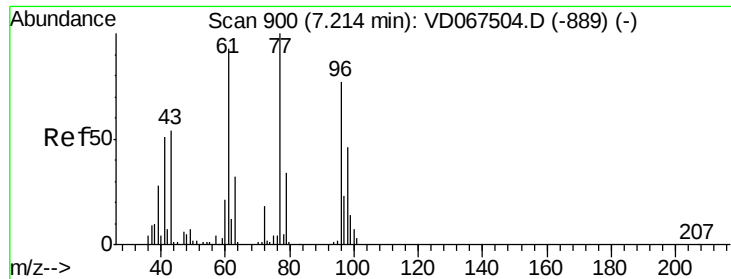
Tgt Ion: 77 Resp: 103279

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3



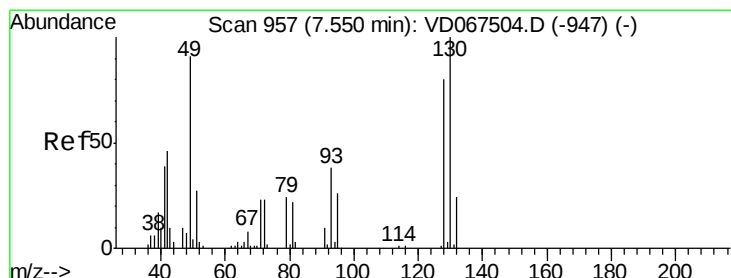
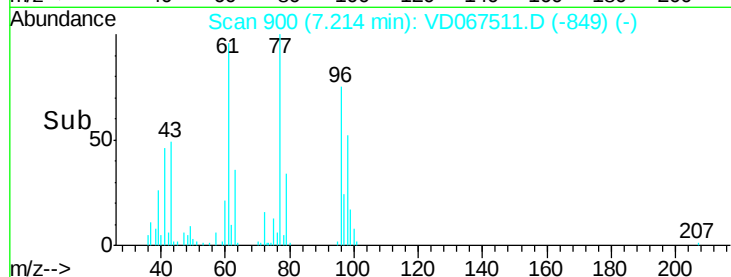
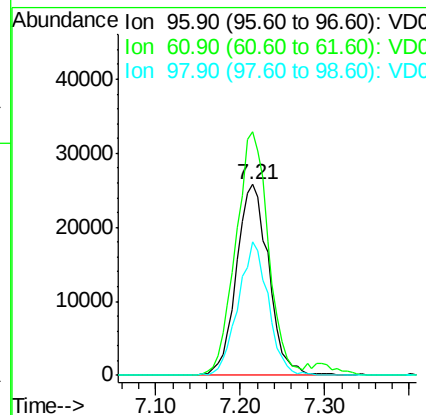
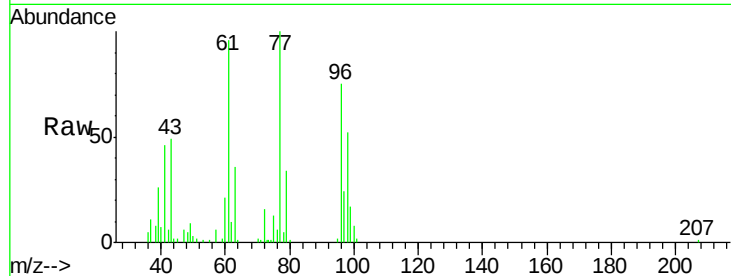


#27

cis-1,2-Dichloroethene
Concen: 20.582 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

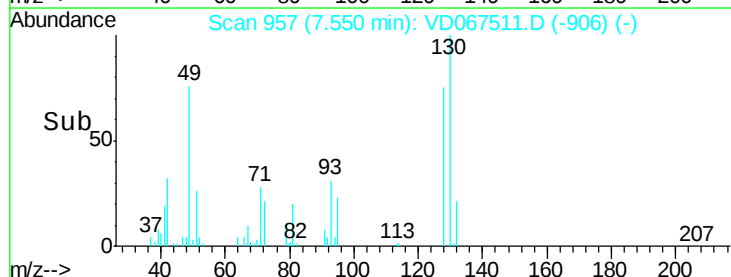
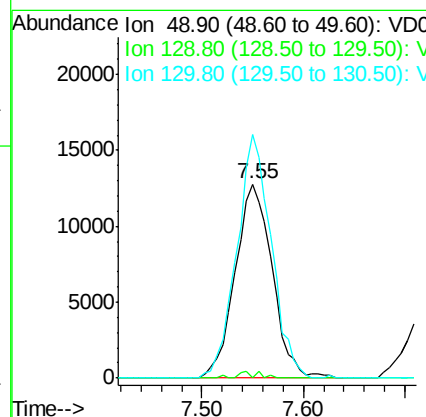
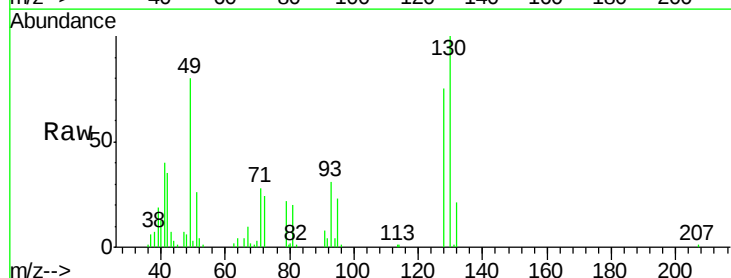
Tot Ion: 96 Resp: 68072
Ion Ratio Lower Upper
96 100
61 128.5 0.0 251.6
98 65.2 0.0 128.0

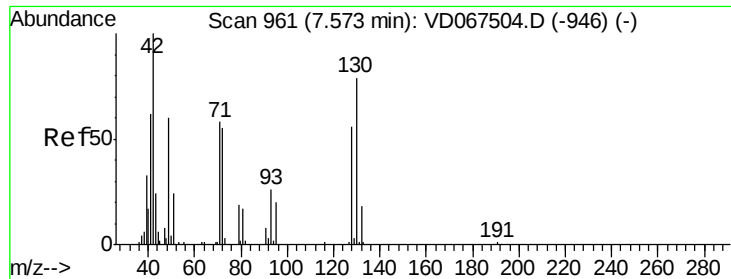


#28

Bromochloromethane
Concen: 19.497 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion: 49 Resp: 32373
Ion Ratio Lower Upper
49 100
129 0.8 0.0 6.4
130 116.8 94.6 142.0

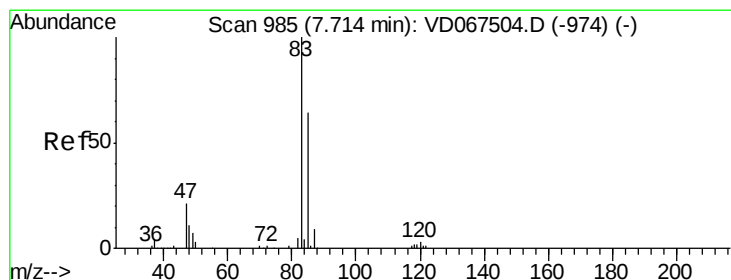
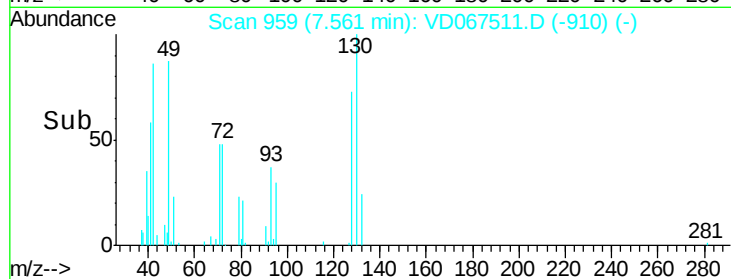
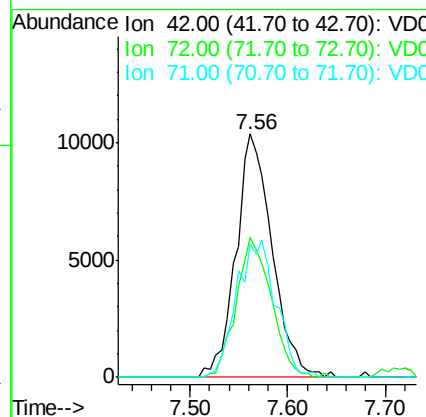
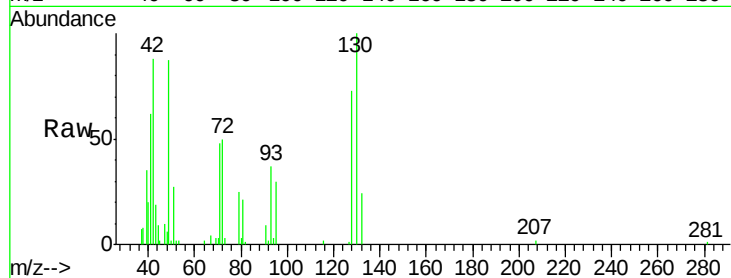




#29
Tetrahydrofuran
Concen: 97.202 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

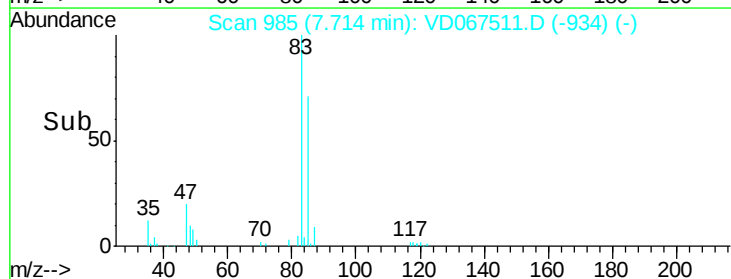
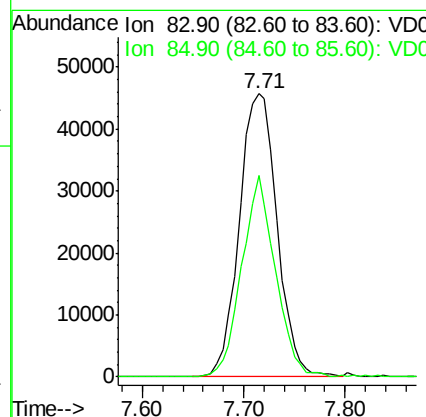
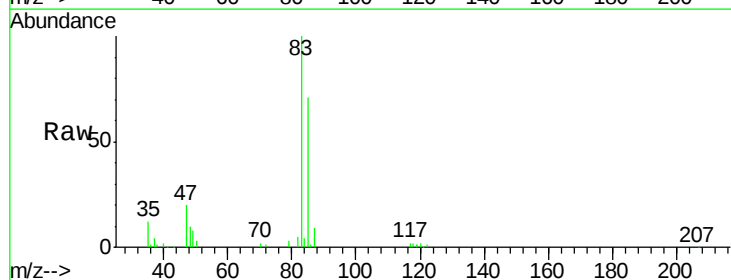
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

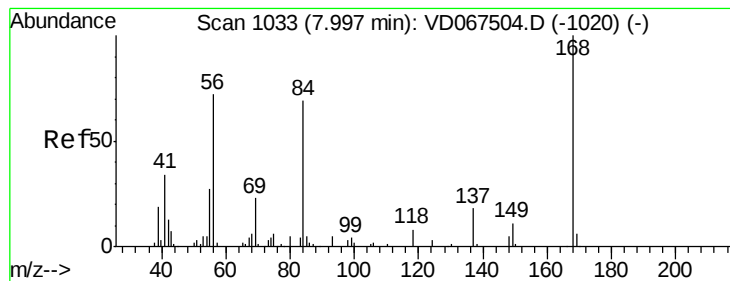
Tot Ion: 42 Resp: 26683
Ion Ratio Lower Upper
42 100
72 55.8 46.3 69.5
71 61.3 44.0 66.0



#30
Chloroform
Concen: 21.179 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion: 83 Resp: 117944
Ion Ratio Lower Upper
83 100
85 71.1 51.5 77.3





#31

Cyclohexane

Concen: 20.211 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

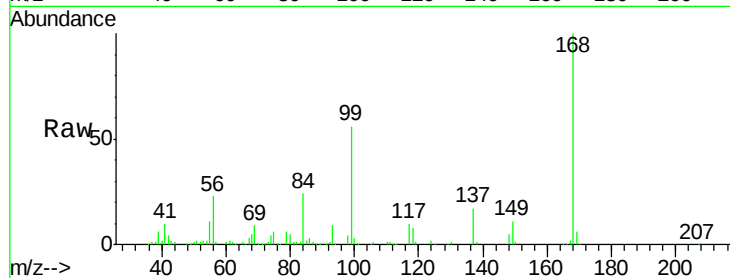
Tot Ion: 56 Resp: 84013

Ion Ratio Lower Upper

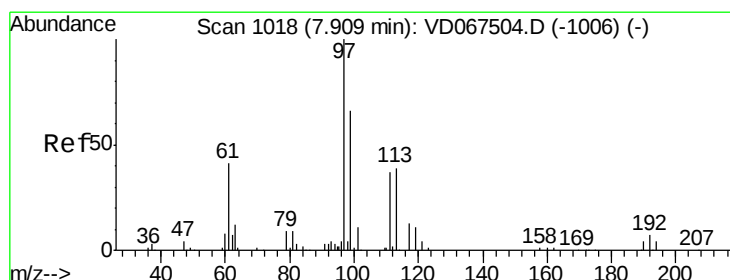
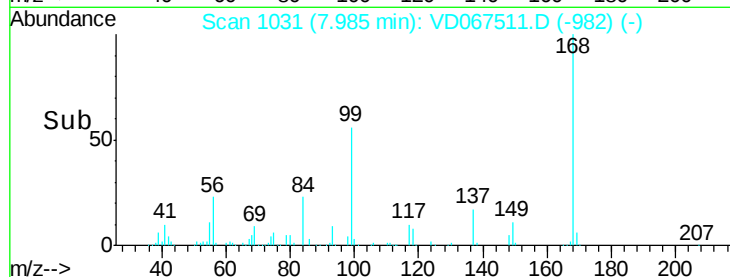
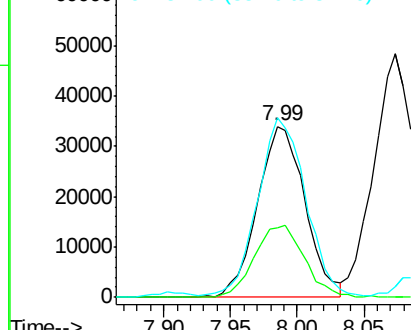
56 100

69 40.6 25.9 38.9#

84 103.5 76.2 114.4



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



#32

1,1,1-Trichloroethane

Concen: 21.095 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

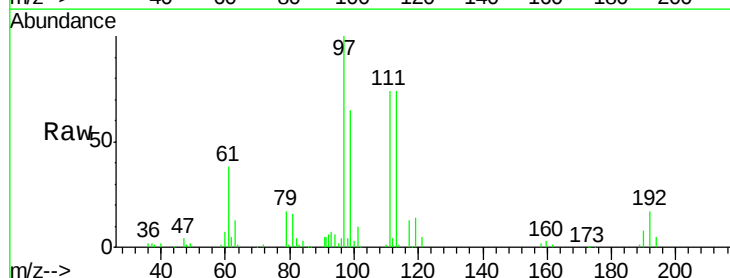
Tgt Ion: 97 Resp: 121205

Ion Ratio Lower Upper

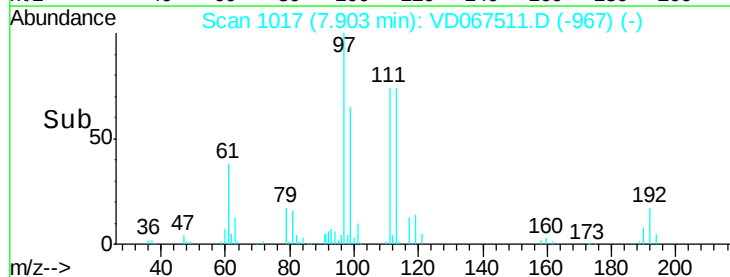
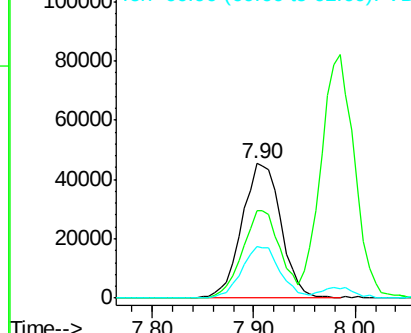
97 100

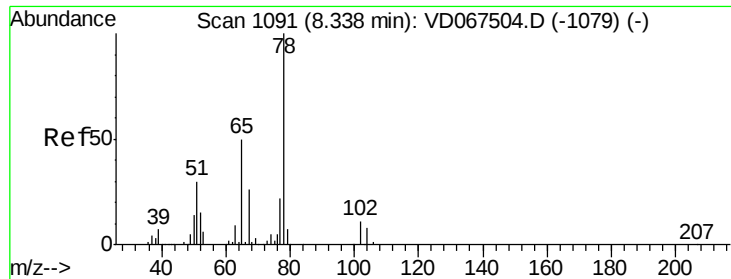
99 63.0 51.8 77.6

61 37.6 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: 47.657 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

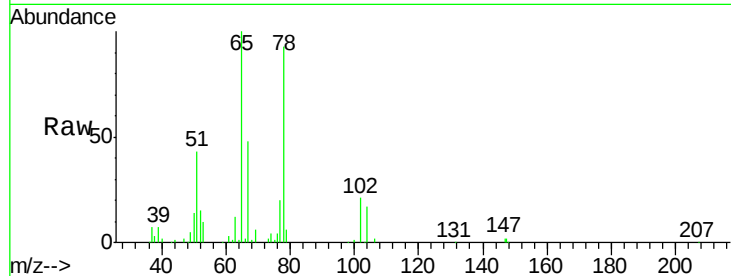
VD1104SBS01

Tot Ion: 65 Resp: 136589

Ion Ratio Lower Upper

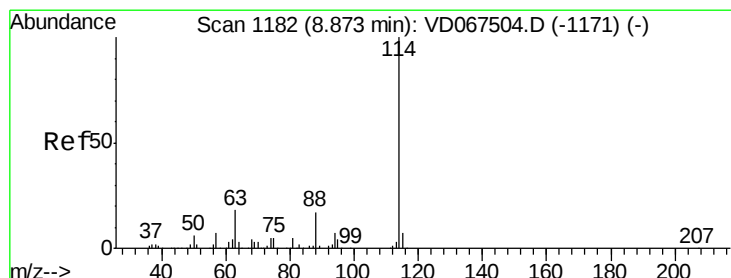
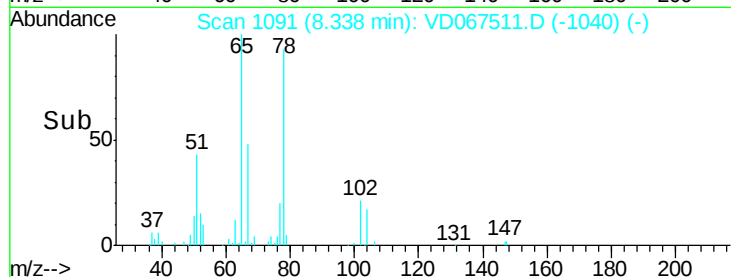
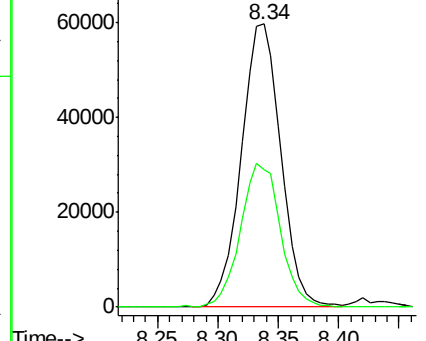
65 100

67 51.5 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

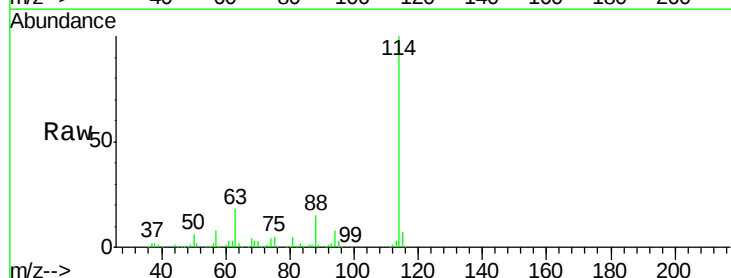
Tgt Ion: 114 Resp: 483950

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

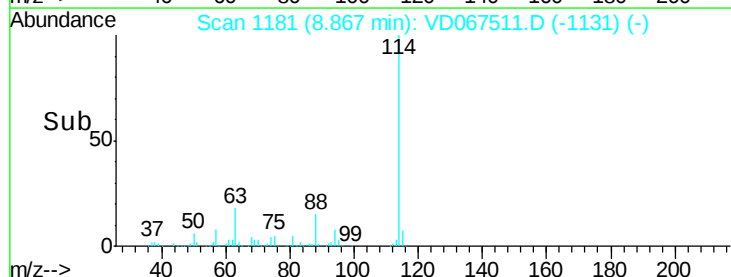
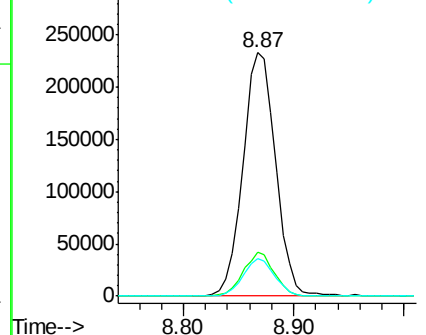
88 15.3 0.0 33.0

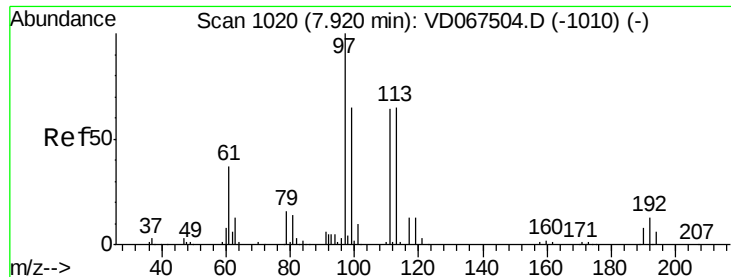


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

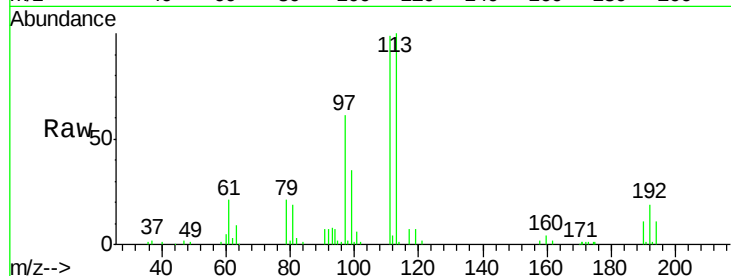




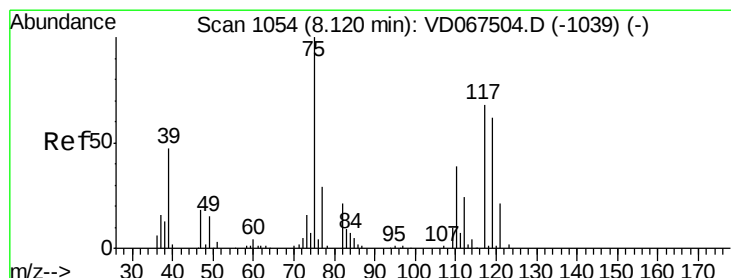
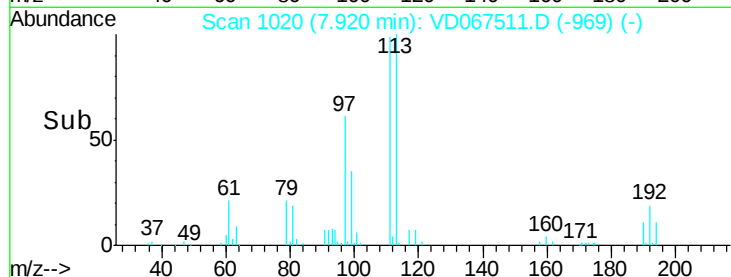
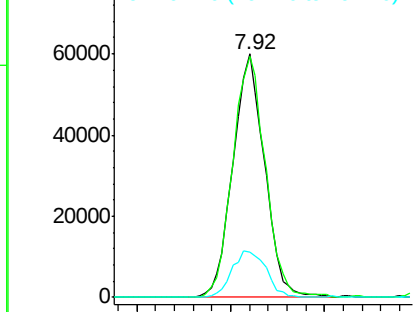
#35
 Dibromofluoromethane
 Concen: 48.171 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Tot Ion:113 Resp: 140455
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.0 120.0
 192 20.6 16.3 24.5

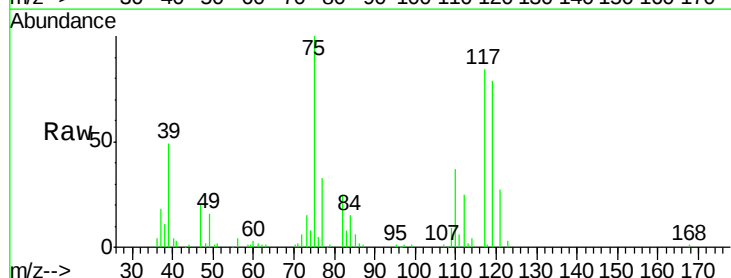


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

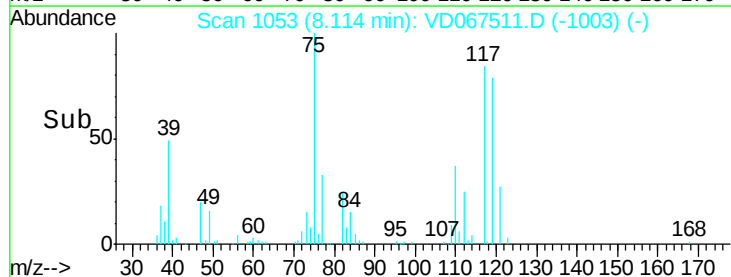
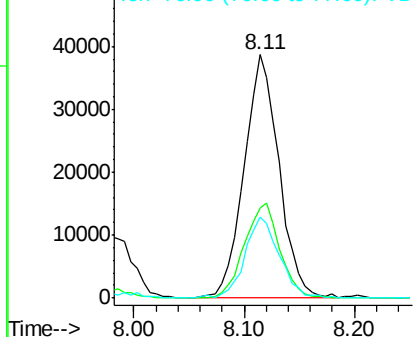


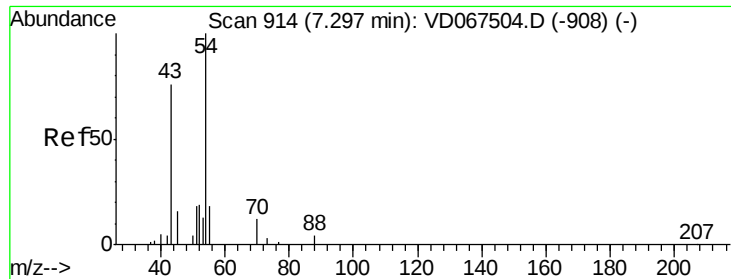
#36
 1,1-Dichloropropene
 Concen: 20.741 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion: 75 Resp: 85920
 Ion Ratio Lower Upper
 75 100
 110 39.5 19.9 59.7
 77 32.9 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

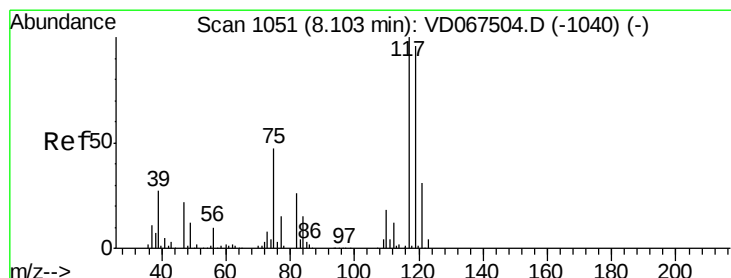
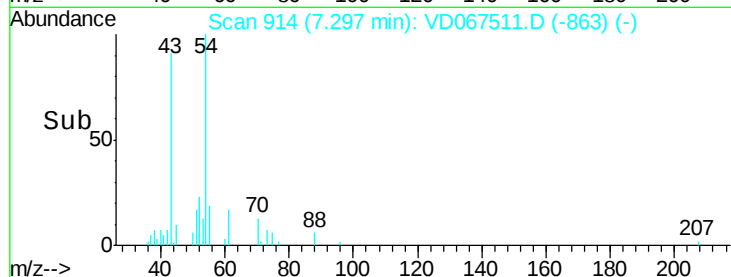
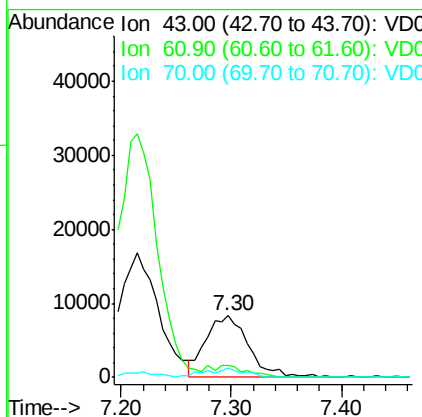
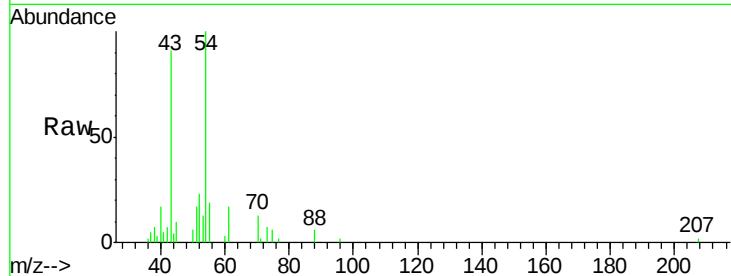




#37
Ethyl Acetate
Concen: 20.695 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

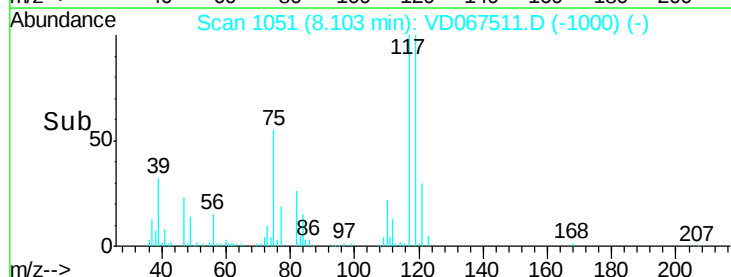
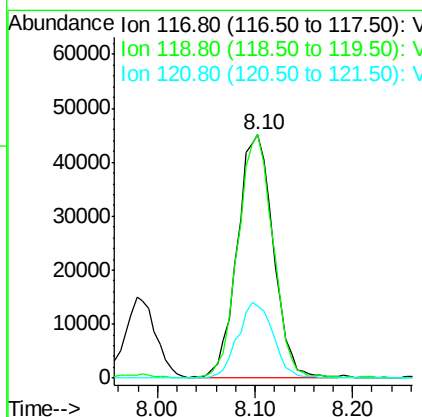
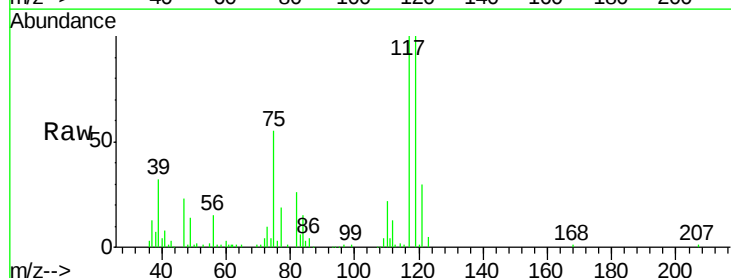
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

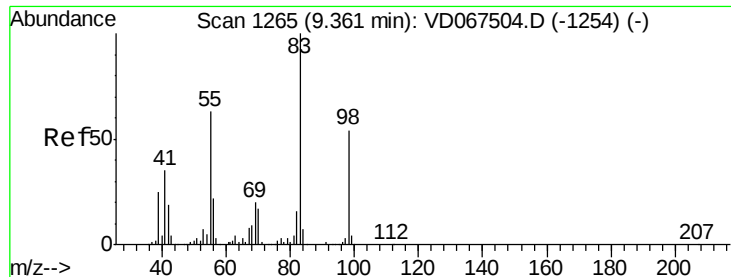
Tot Ion: 43 Resp: 22257
Ion Ratio Lower Upper
43 100
61 17.0 12.8 19.2
70 13.5 11.7 17.5



#38
Carbon Tetrachloride
Concen: 21.519 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion: 117 Resp: 115822
Ion Ratio Lower Upper
117 100
119 99.9 76.9 115.3
121 29.7 24.5 36.7

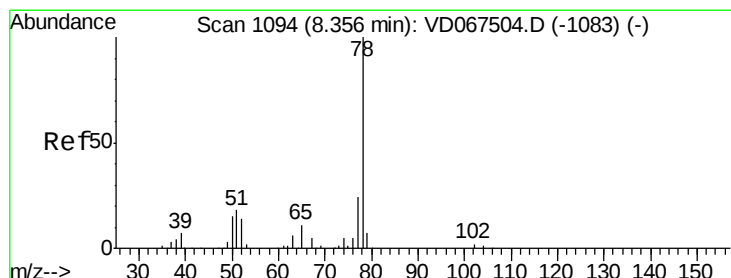
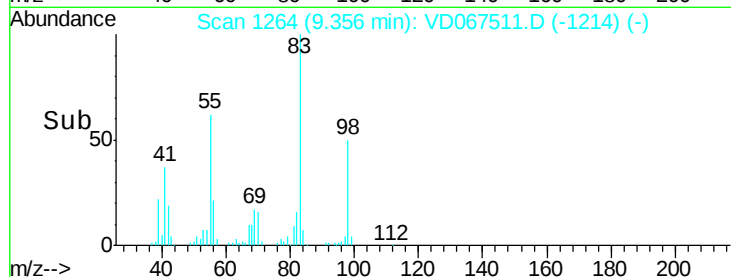
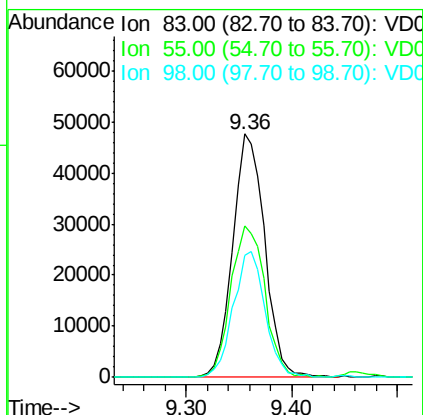
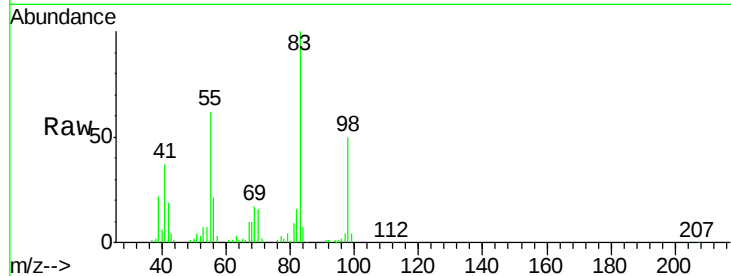




#39
Methvlcvclohexane
Concen: 20.471 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

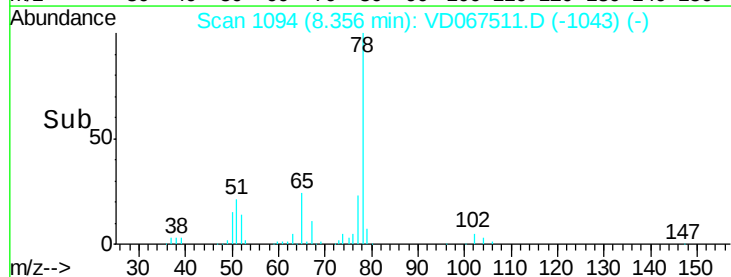
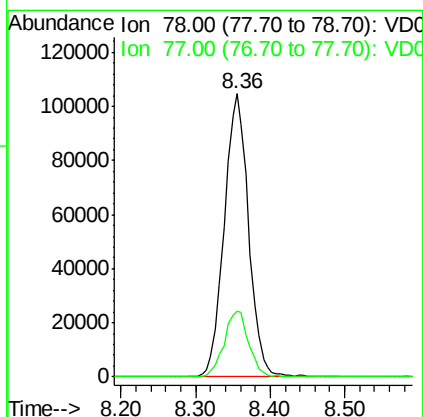
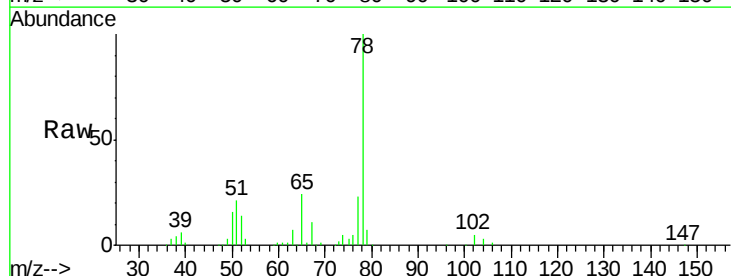
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

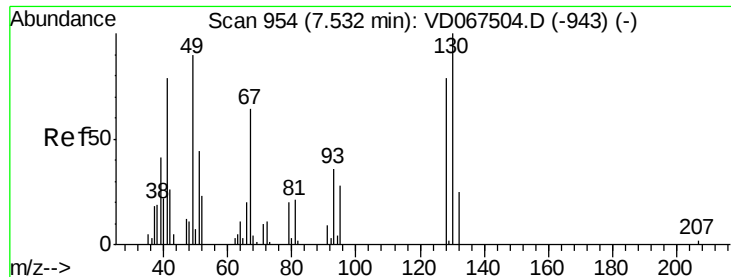
Tot Ion: 83 Resp: 99809
Ion Ratio Lower Upper
83 100
55 62.2 50.5 75.7
98 50.2 43.4 65.0



#40
Benzene
Concen: 21.153 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion: 78 Resp: 237365
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7





#41

Methacrylonitrile

Concen: 18.345 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

Tot Ion: 41 Resp: 11793

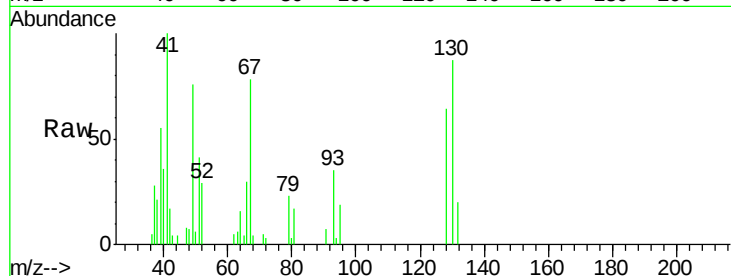
Ion Ratio Lower Upper

41 100

39 55.4 51.3 76.9

67 99.6 78.9 118.3

52 38.9 31.4 47.2

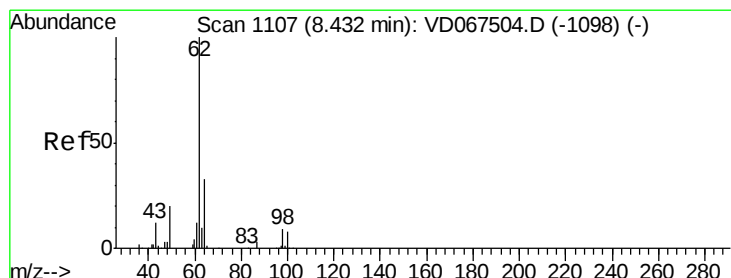
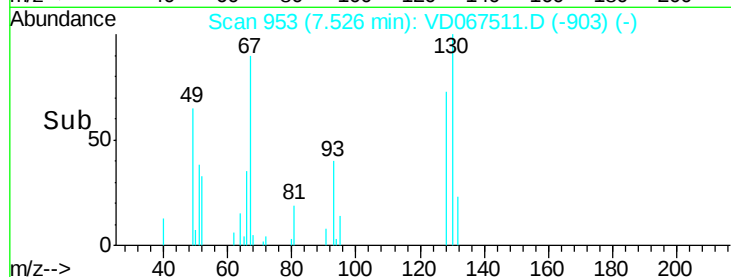
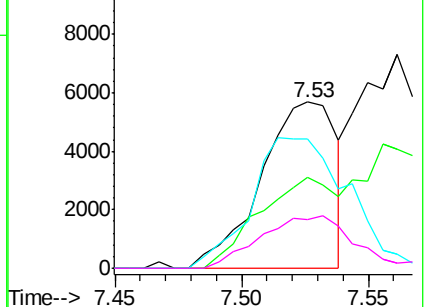


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 20.999 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067511.D

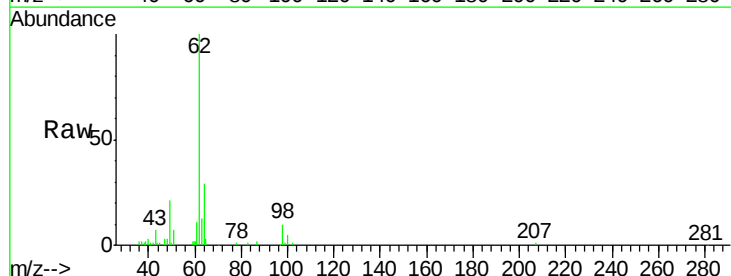
Acq: 04 Nov 2020 11:05

Tgt Ion: 62 Resp: 72804

Ion Ratio Lower Upper

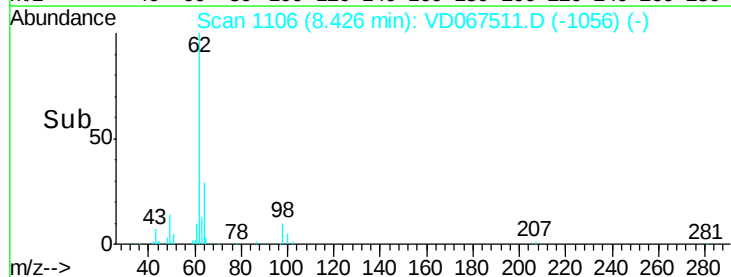
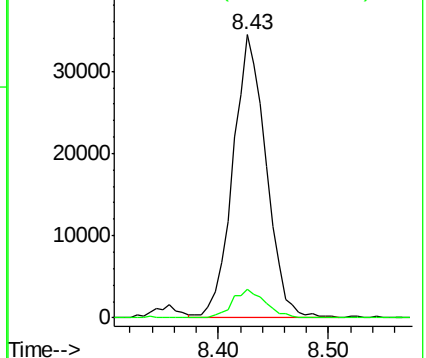
62 100

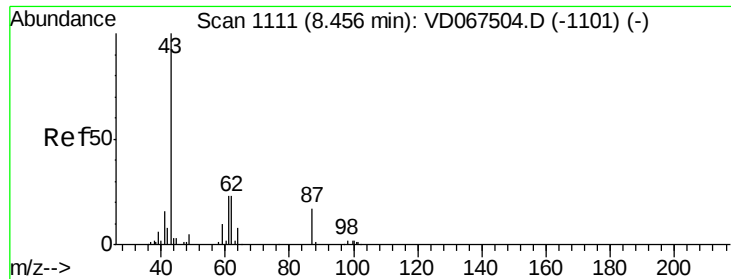
98 10.0 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.656 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

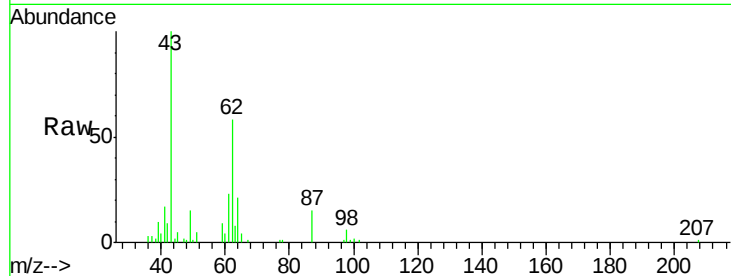
Tot Ion: 43 Resp: 41807

Ion Ratio Lower Upper

43 100

61 38.1 30.5 45.7

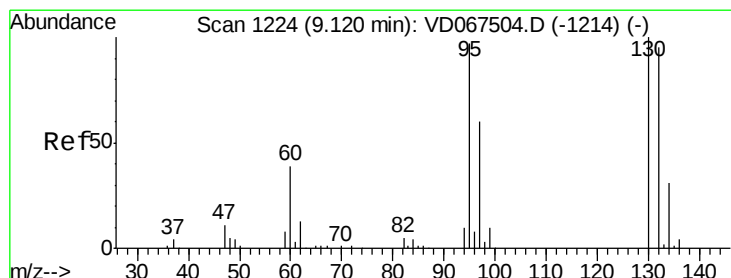
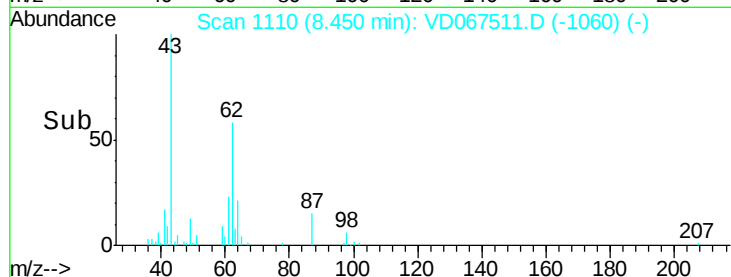
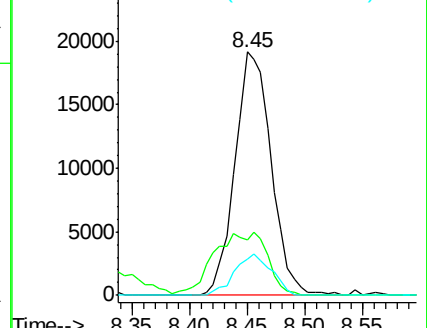
87 17.3 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.036 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067511.D

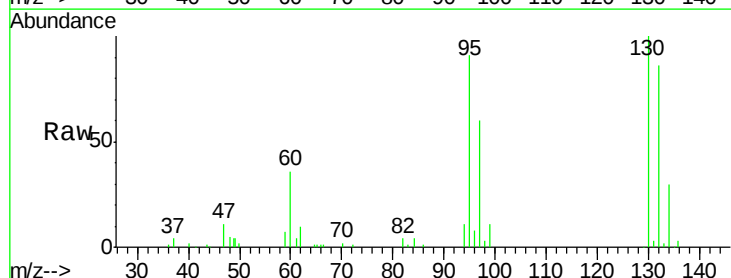
Acq: 04 Nov 2020 11:05

Tgt Ion: 130 Resp: 77615

Ion Ratio Lower Upper

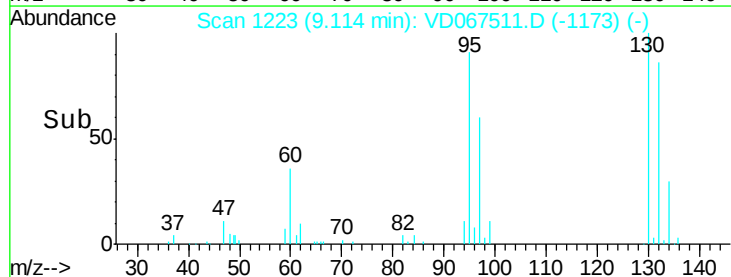
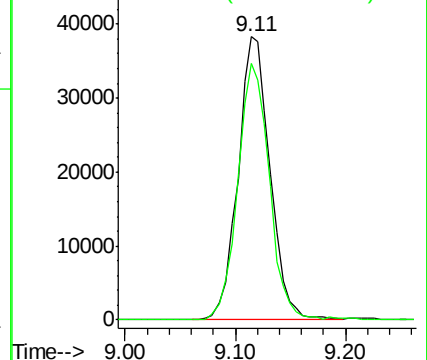
130 100

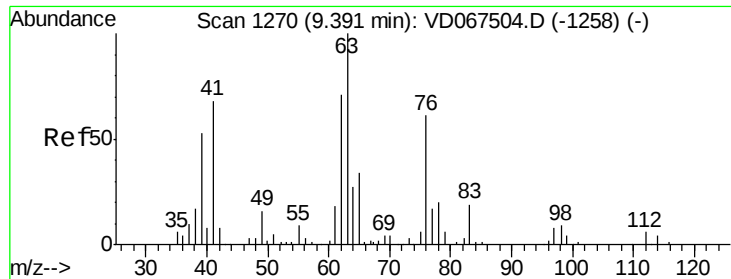
95 90.7 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.096 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

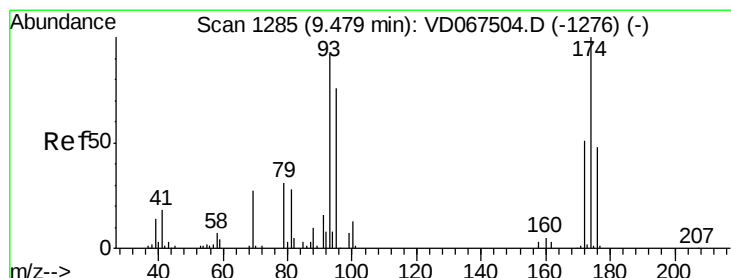
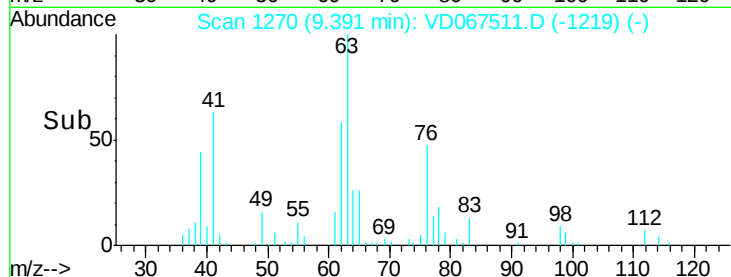
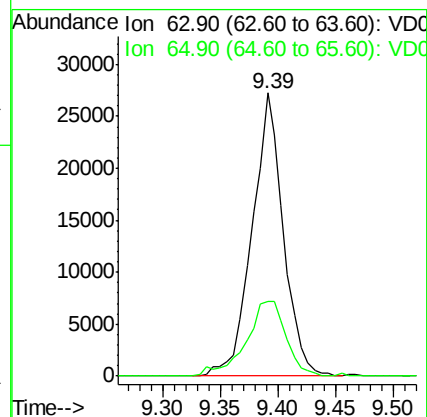
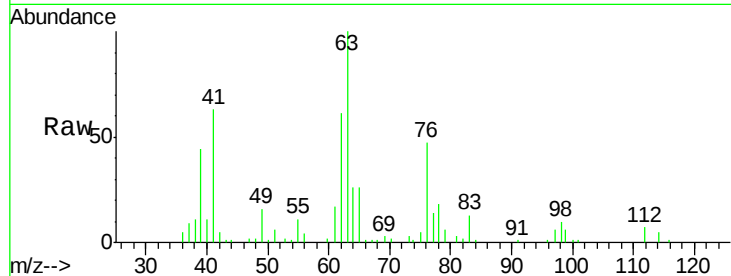
VD1104SBS01

Tot Ion: 63 Resp: 51181

Ion Ratio Lower Upper

63 100

65 26.4 26.9 40.3#



#46

Dibromomethane

Concen: 19.525 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

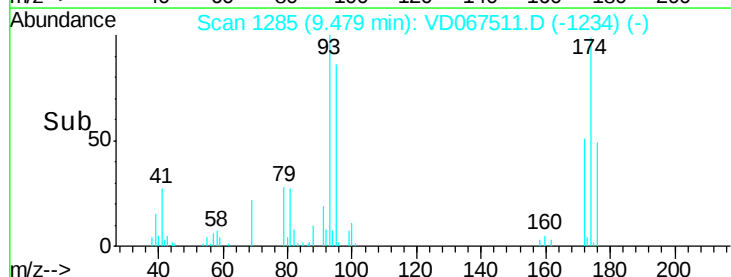
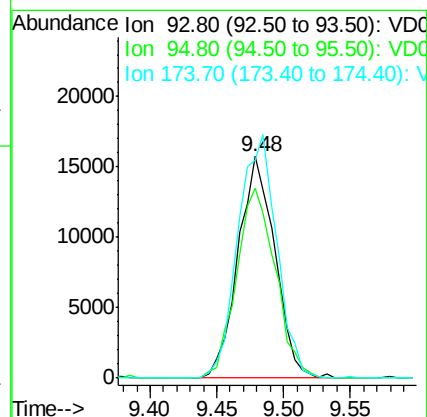
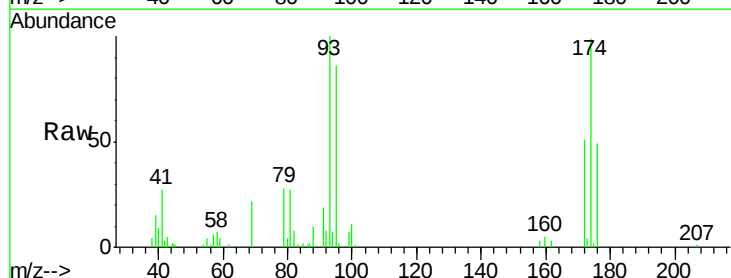
Tgt Ion: 93 Resp: 30119

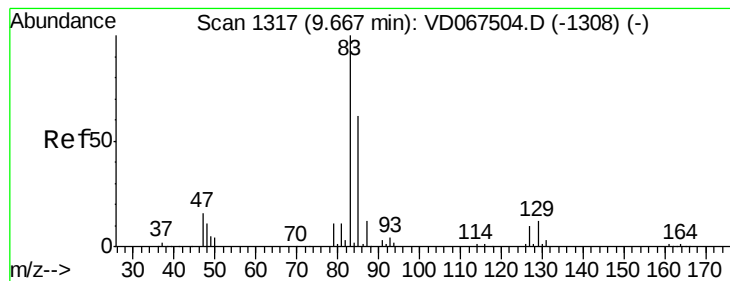
Ion Ratio Lower Upper

93 100

95 90.7 66.4 99.6

174 115.0 88.2 132.4





#47

Bromodichloromethane

Concen: 21.105 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

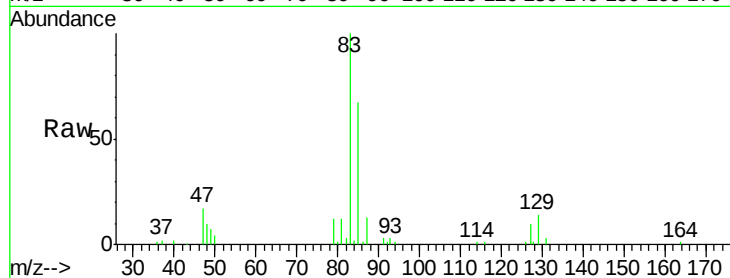
Tot Ion: 83 Resp: 88489

Ion Ratio Lower Upper

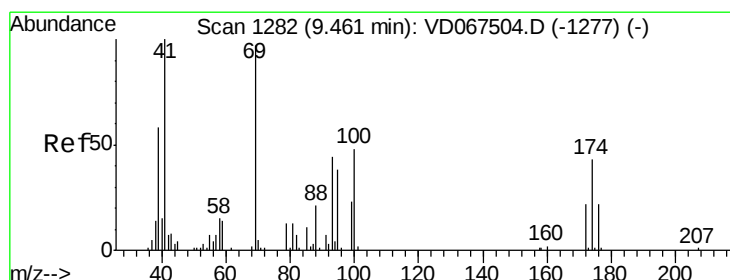
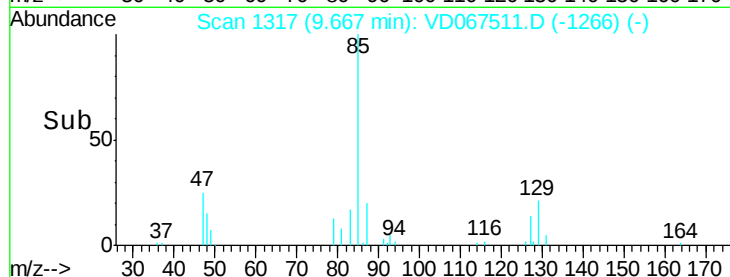
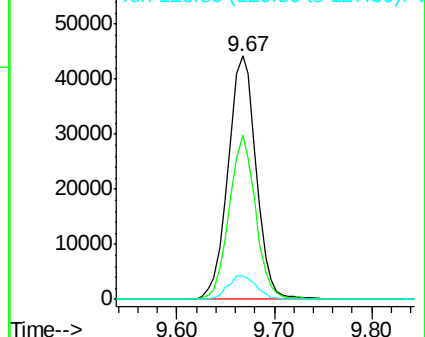
83 100

85 67.5 49.4 74.2

127 9.7 7.7 11.5



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



#48

Methyl methacrylate

Concen: 17.666 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

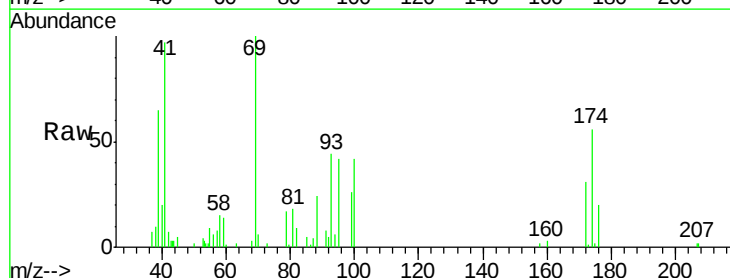
Tgt Ion: 41 Resp: 19401

Ion Ratio Lower Upper

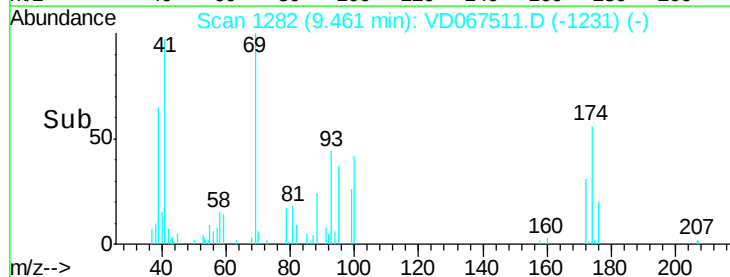
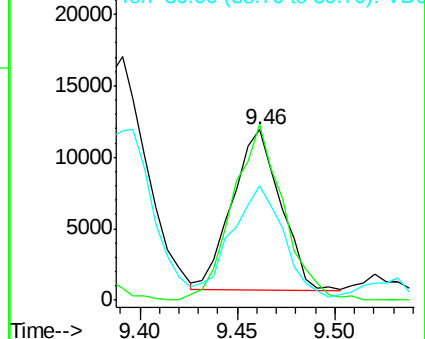
41 100

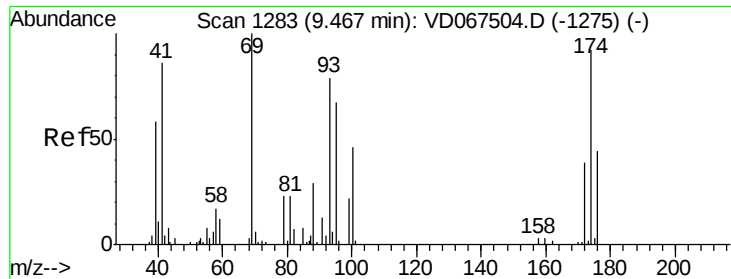
69 113.9 80.6 121.0

39 73.1 50.2 75.4



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

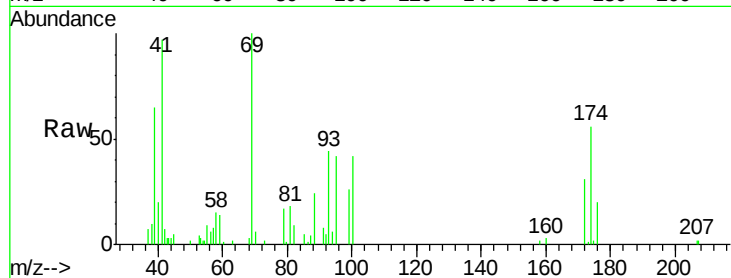




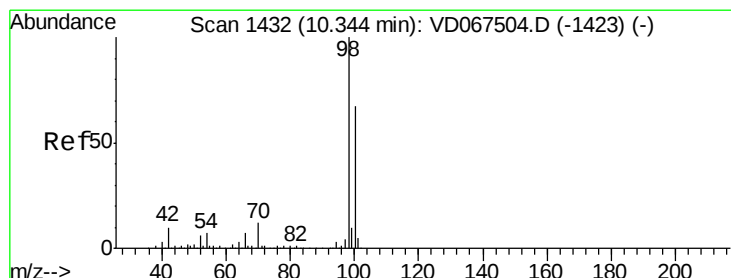
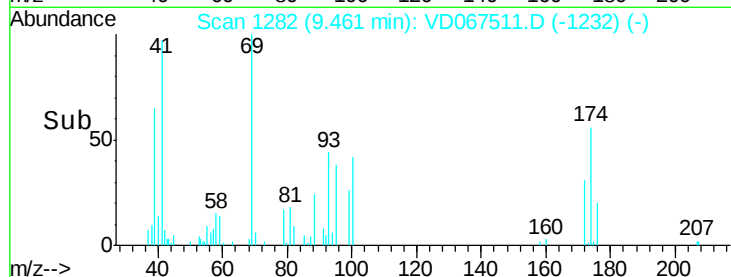
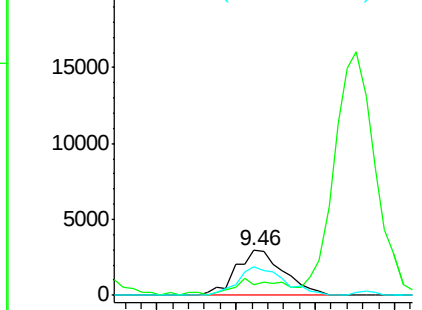
#49
 1,4-Dioxane
 Concen: 391.832 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Tot Ion: 88 Resp: 6136
 Ion Ratio Lower Upper
 88 100
 43 34.1 23.6 35.4
 58 60.5 44.7 67.1

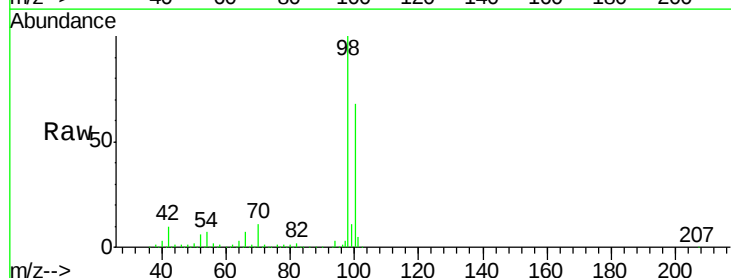


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

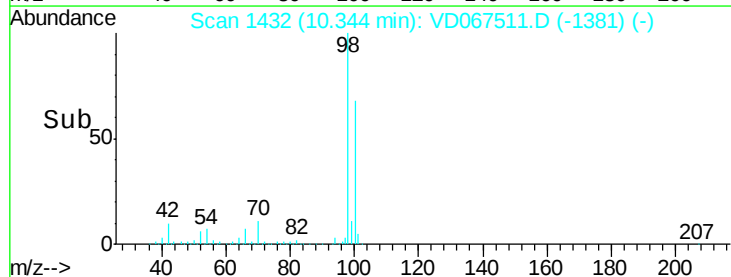
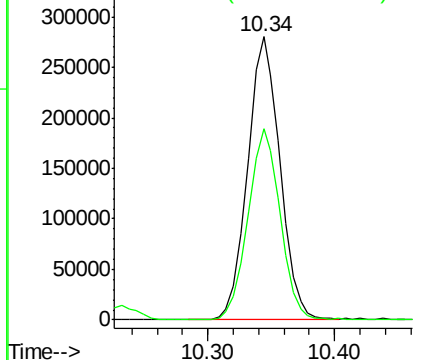


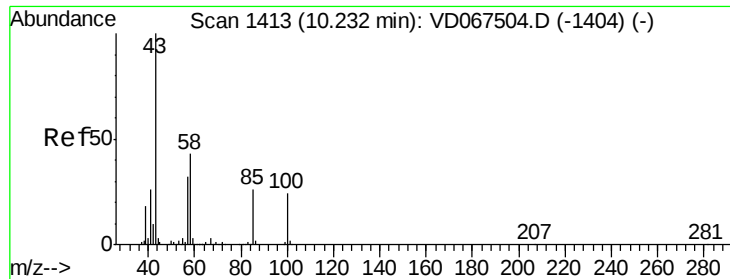
#50
 Toluene-d8
 Concen: 48.631 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion: 98 Resp: 498308
 Ion Ratio Lower Upper
 98 100
 100 67.4 53.0 79.6



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





#51

4-Methyl-2-Pentanone

Concen: 99.978 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

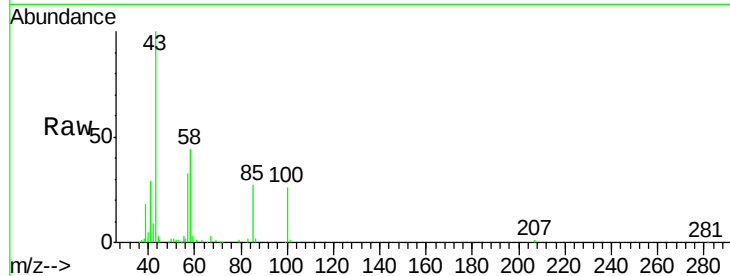
VD1104SBS01

Tot Ion: 43 Resp: 101700

Ion Ratio Lower Upper

43 100

58 43.5 35.6 53.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

60000

50000

40000

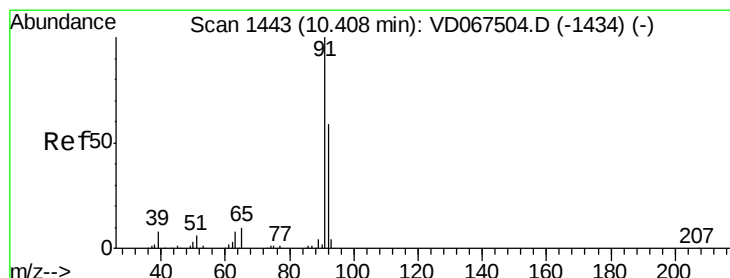
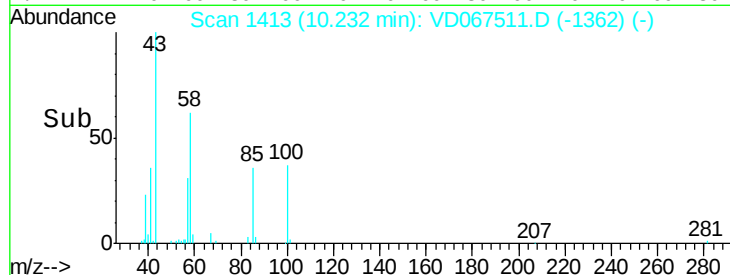
30000

20000

10000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 21.182 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067511.D

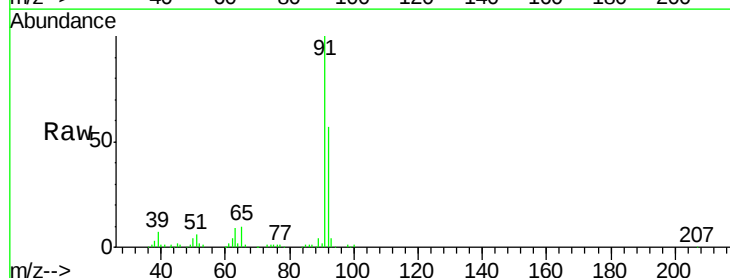
Acq: 04 Nov 2020 11:05

Tgt Ion: 92 Resp: 159203

Ion Ratio Lower Upper

92 100

91 173.4 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

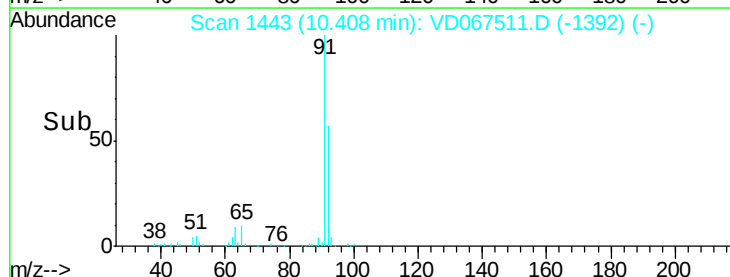
150000

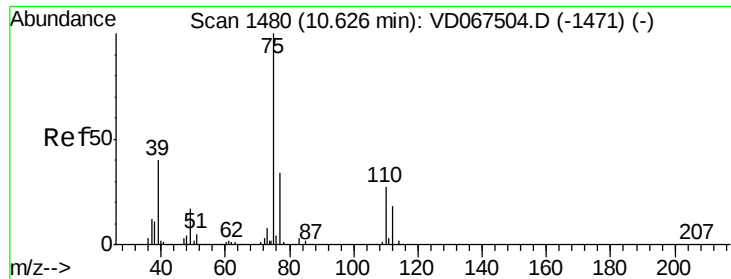
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 21.038 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

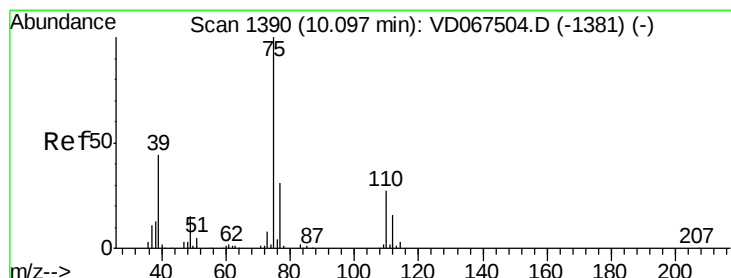
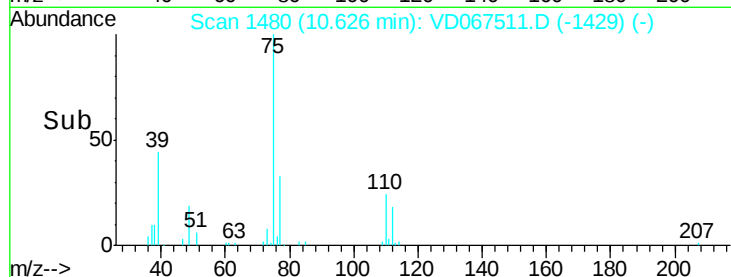
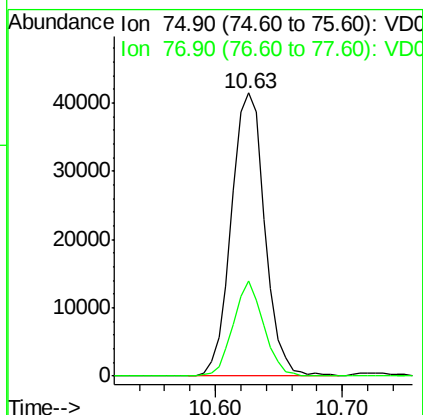
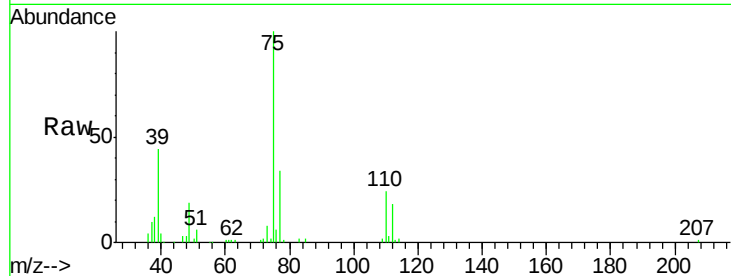
VD1104SBS01

Tot Ion: 75 Resp: 75544

Ion Ratio Lower Upper

75 100

77 33.7 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 20.643 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

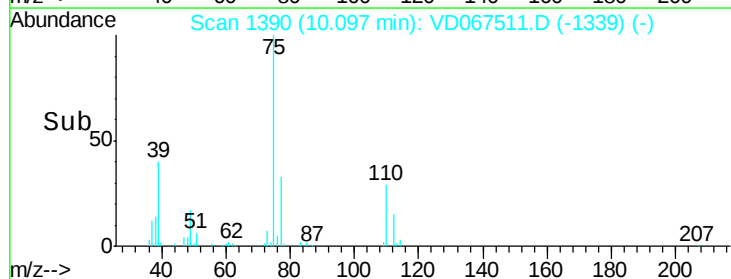
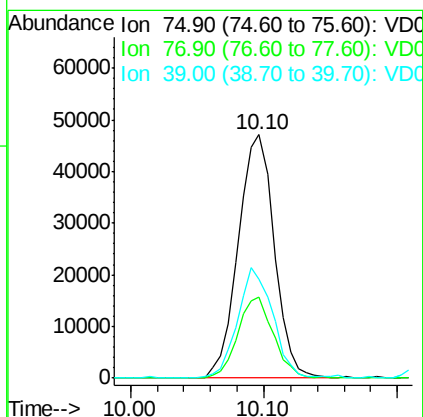
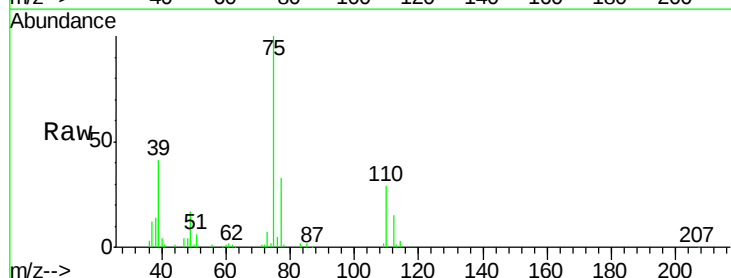
Tgt Ion: 75 Resp: 88071

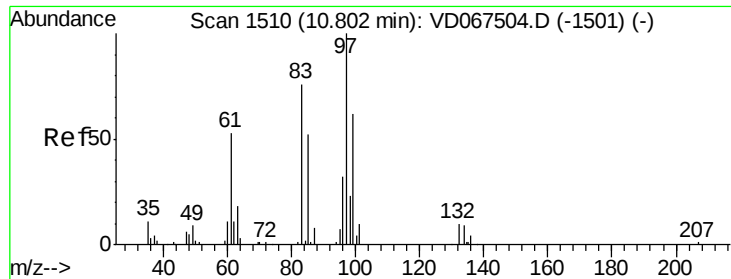
Ion Ratio Lower Upper

75 100

77 33.4 24.4 36.6

39 40.6 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 20.702 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

Tot Ion: 97 Resp: 42253

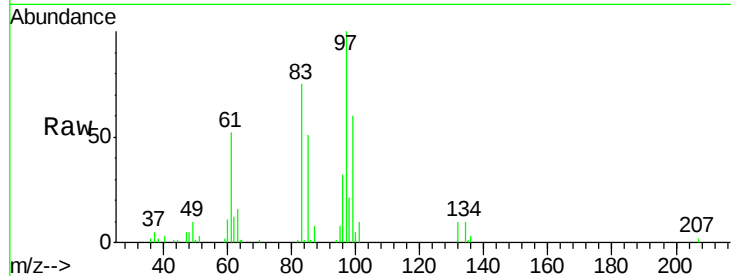
Ion	Ratio	Lower	Upper
97	100		
83	75.5	61.0	91.6
85	51.2	41.5	62.3
99	60.3	49.4	74.2

97 100

83 75.5 61.0 91.6

85 51.2 41.5 62.3

99 60.3 49.4 74.2

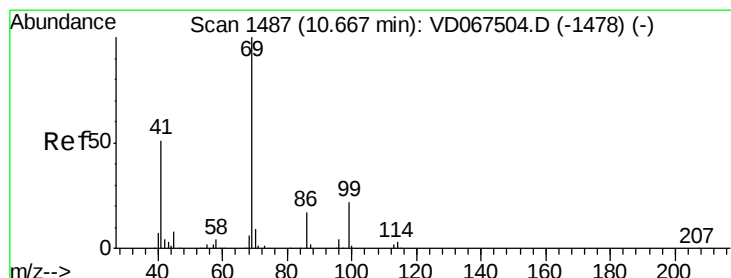
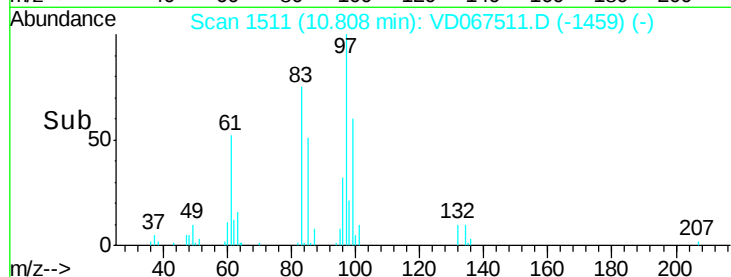
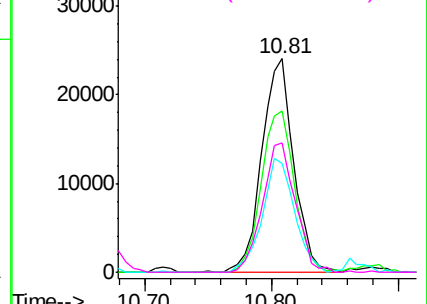


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 20.230 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

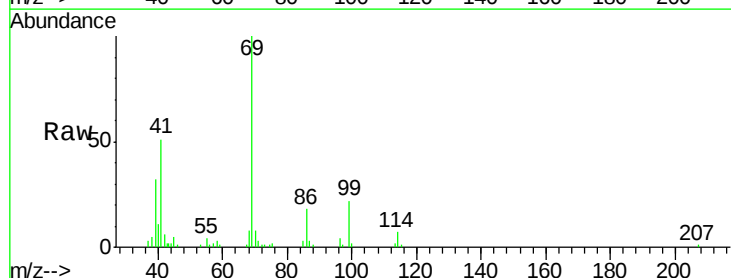
Tgt Ion: 69 Resp: 42638

Ion	Ratio	Lower	Upper
69	100		
41	52.5	45.4	68.0
39	30.7	27.4	41.0

69 100

41 52.5 45.4 68.0

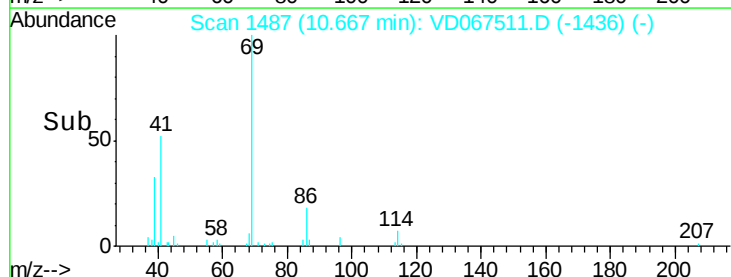
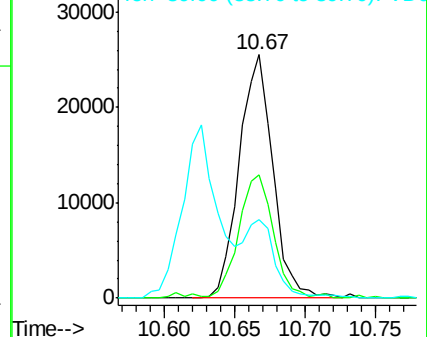
39 30.7 27.4 41.0

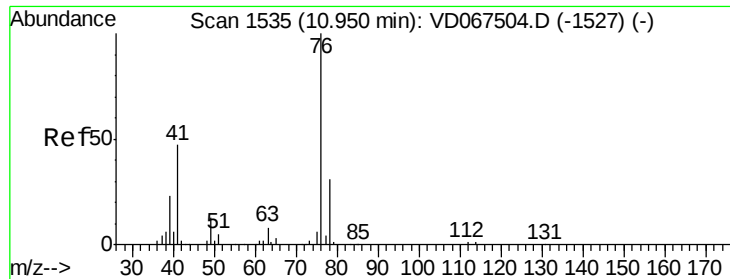


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

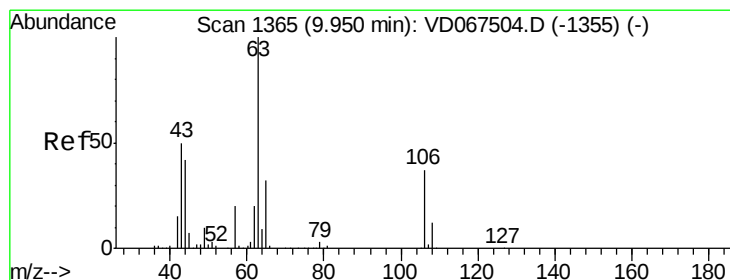
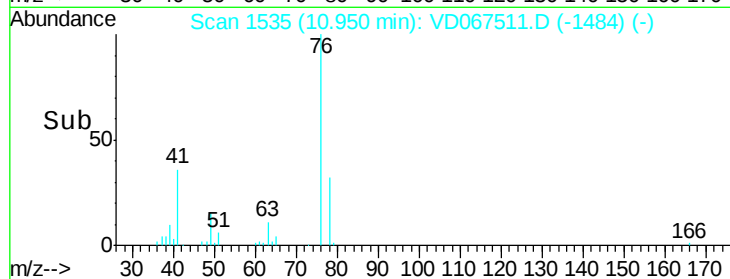
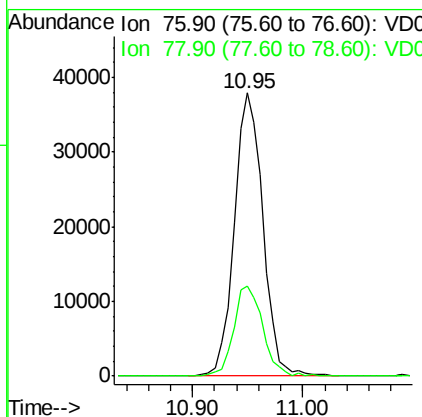
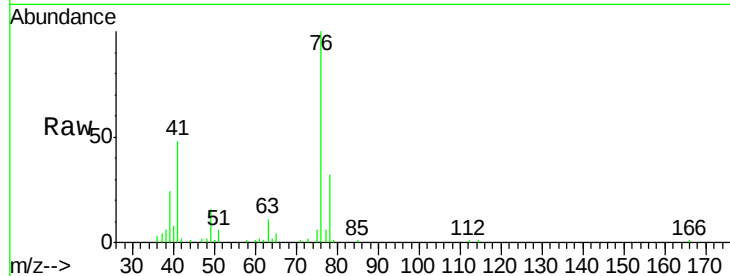




#57
 1,3-Dichloropropane
 Concen: 20.901 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

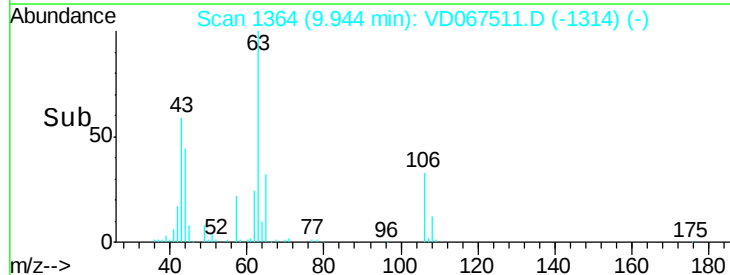
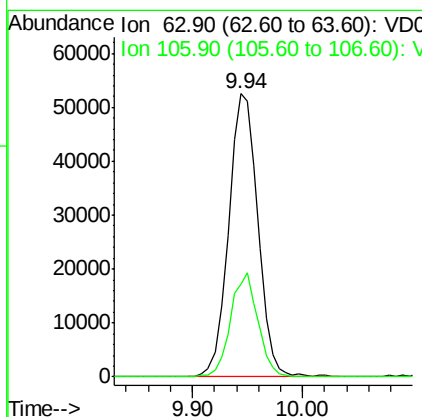
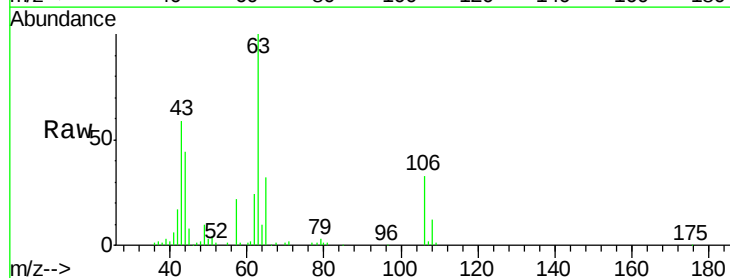
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

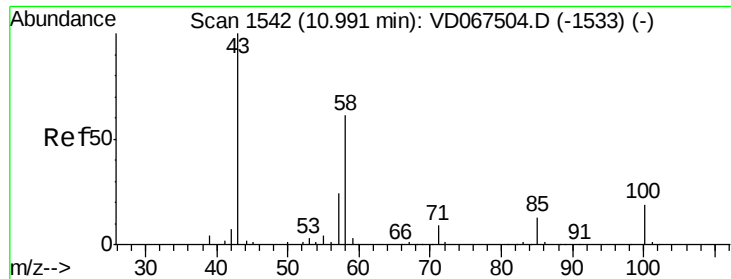
Tot Ion: 76 Resp: 68648
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.005 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion: 63 Resp: 97310
 Ion Ratio Lower Upper
 63 100
 106 34.3 29.2 43.8

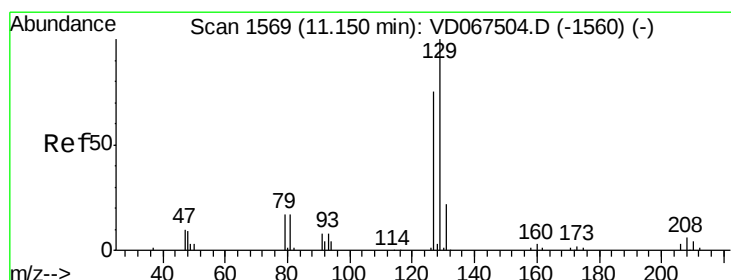
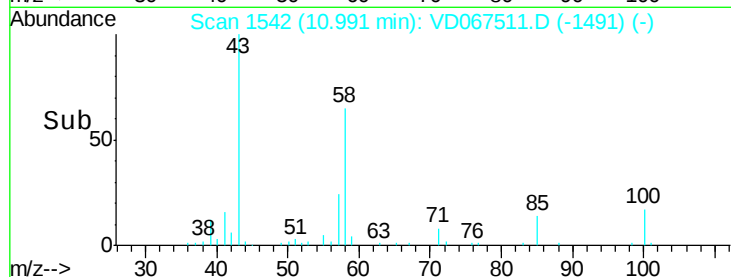
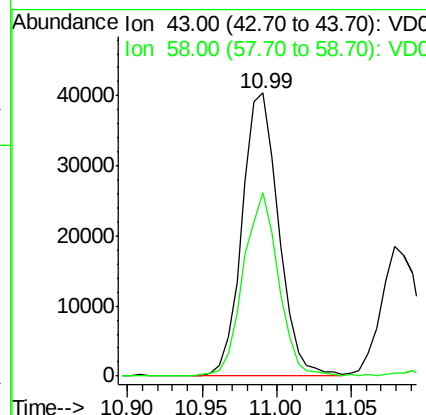
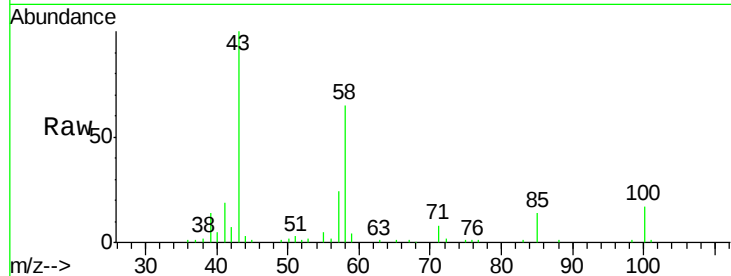




#59
2-Hexanone
Concen: 96.335 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

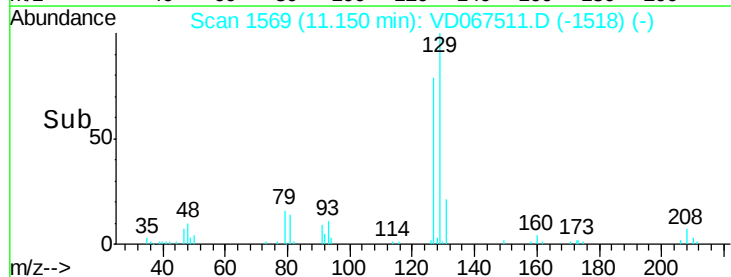
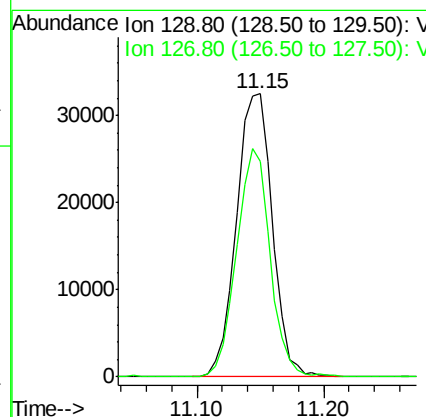
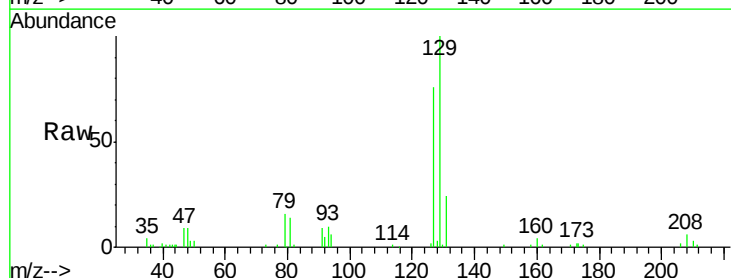
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

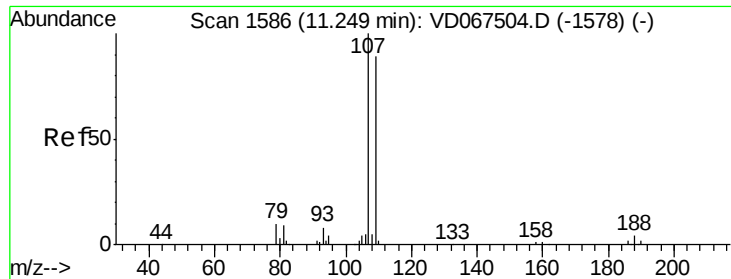
Tot Ion: 43 Resp: 68518
Ion Ratio Lower Upper
43 100
58 62.2 30.3 90.9



#60
Dibromochloromethane
Concen: 21.111 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion: 129 Resp: 63737
Ion Ratio Lower Upper
129 100
127 75.4 38.0 114.1

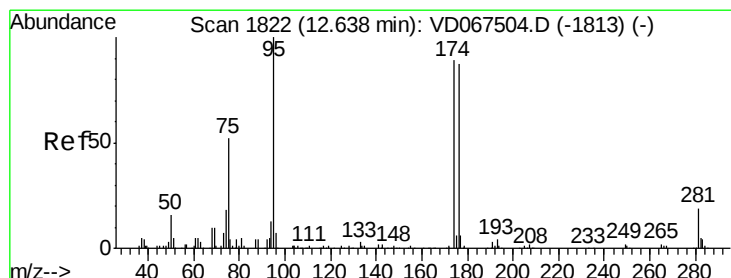
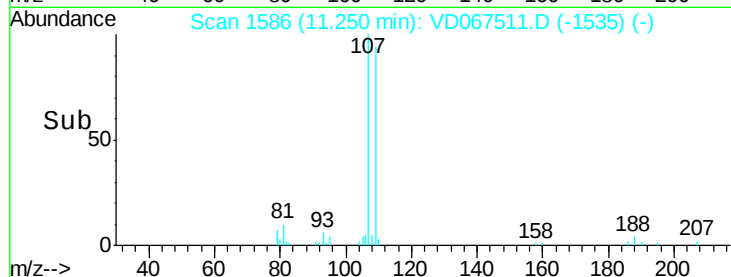
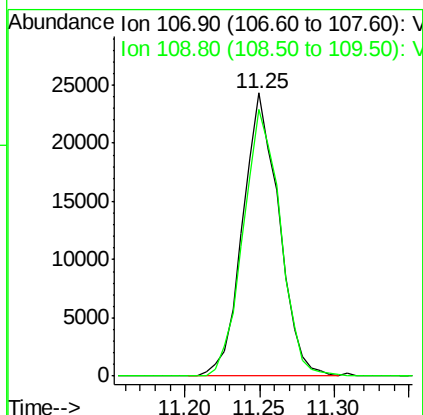
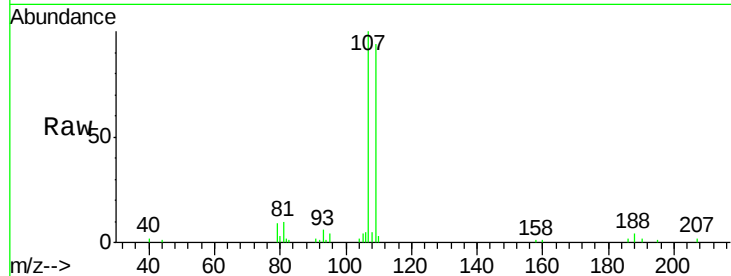




#61
 1,2-Dibromoethane
 Concen: 19.923 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

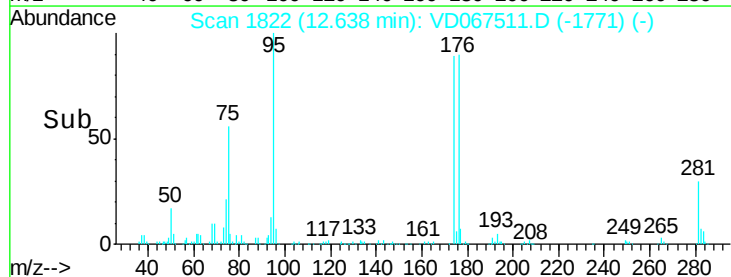
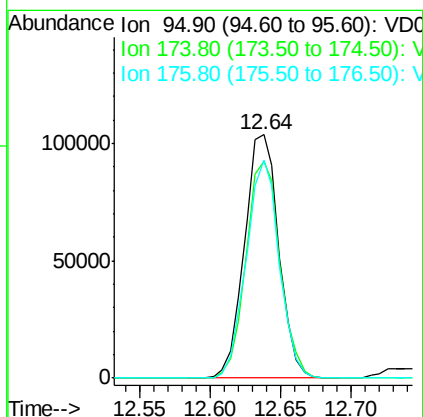
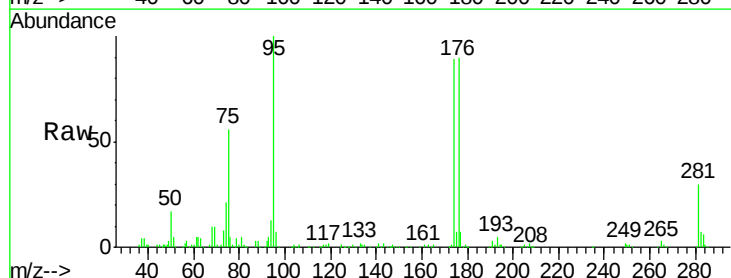
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

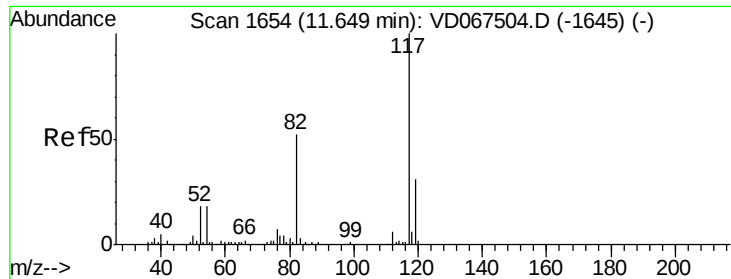
Tot Ion: 107 Resp: 40812
 Ion Ratio Lower Upper
 107 100
 109 96.3 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 49.939 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion: 95 Resp: 176667
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 177.8
 176 86.4 0.0 172.0

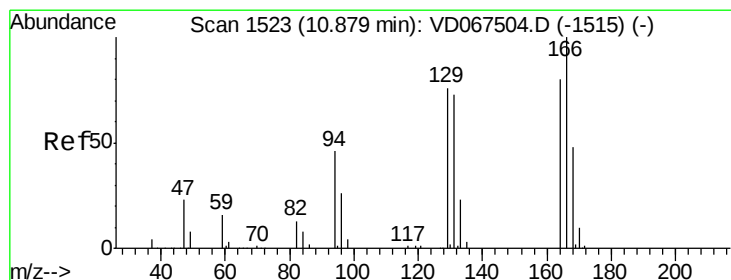
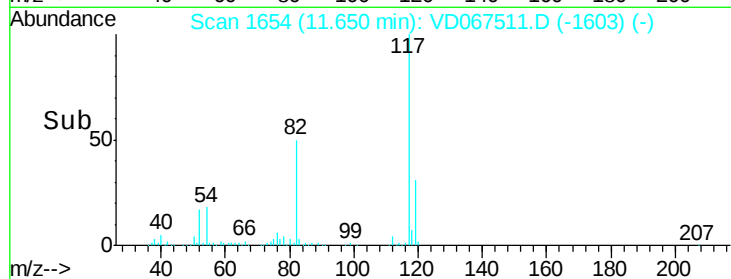
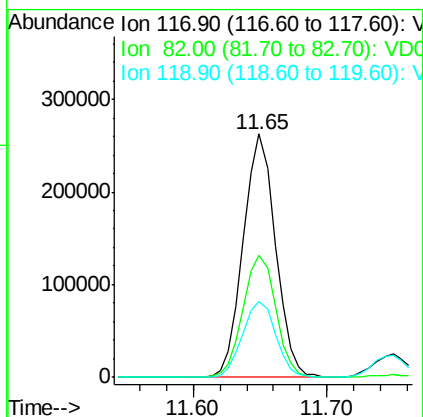
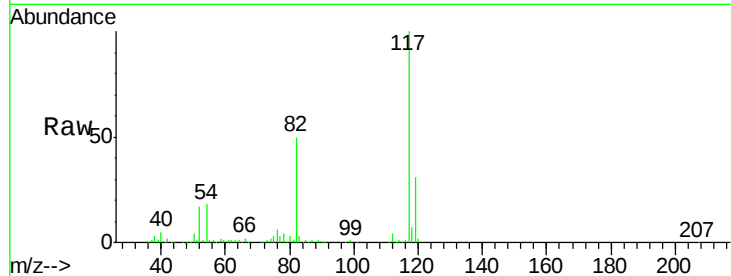




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

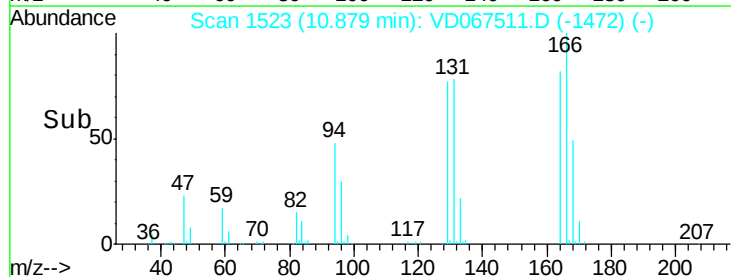
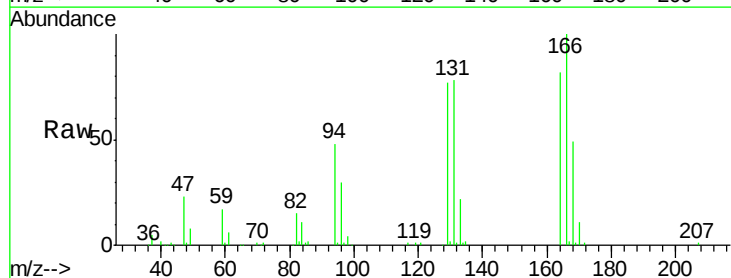
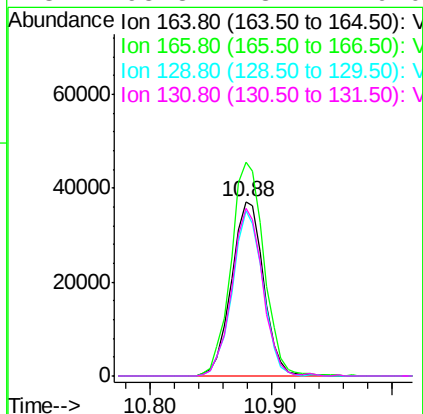
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

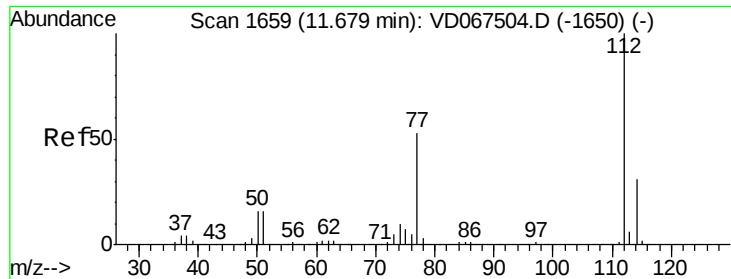
Tot Ion:117 Resp: 439673
Ion Ratio Lower Upper
117 100
82 49.9 41.6 62.4
119 31.4 25.1 37.7



#64
Tetrachloroethene
Concen: 21.135 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion:164 Resp: 68820
Ion Ratio Lower Upper
164 100
166 122.3 99.9 149.9
129 94.6 75.5 113.3
131 95.8 73.4 110.0





#65

Chlorobenzene

Concen: 20.493 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

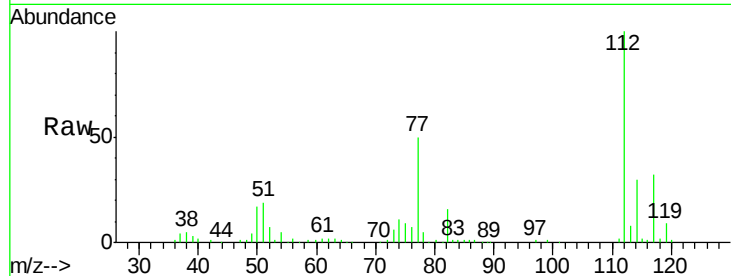
VD1104SBS01

Tot Ion:112 Resp: 173565

Ion Ratio Lower Upper

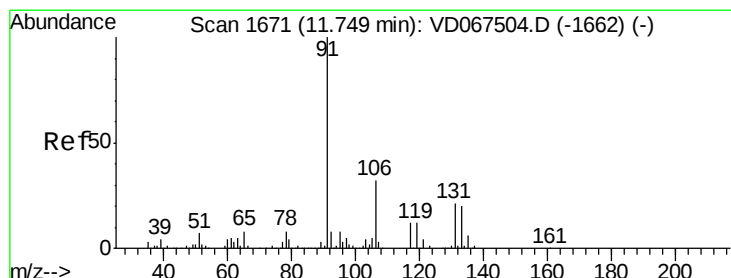
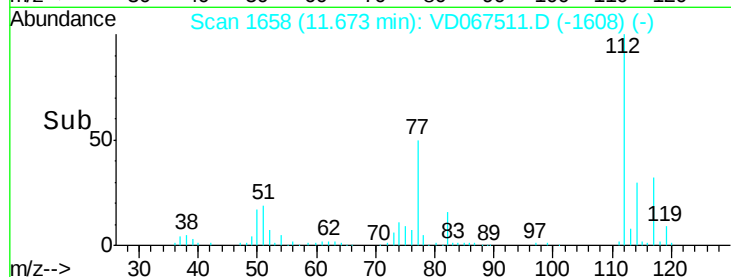
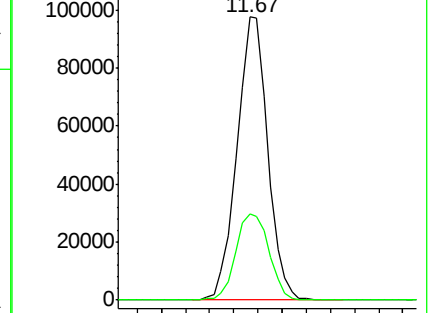
112 100

114 30.4 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.893 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

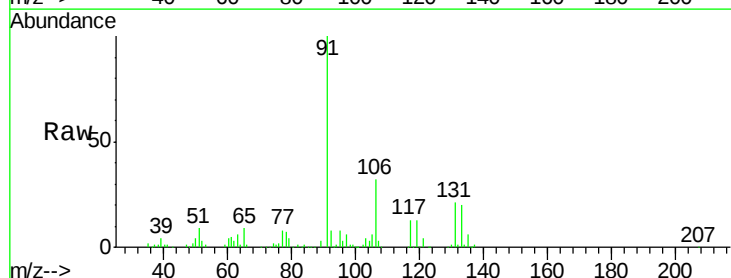
Tgt Ion:131 Resp: 69741

Ion Ratio Lower Upper

131 100

133 94.3 48.0 144.0

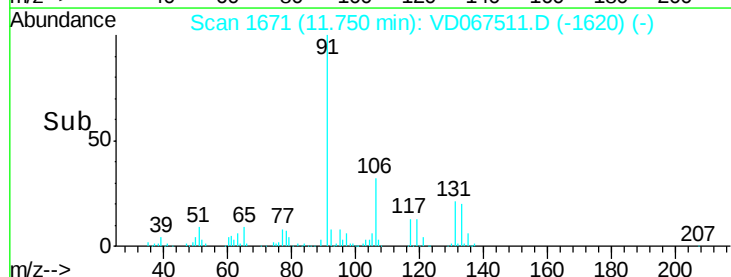
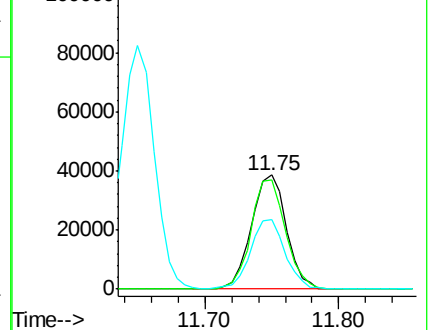
119 59.9 30.1 90.5

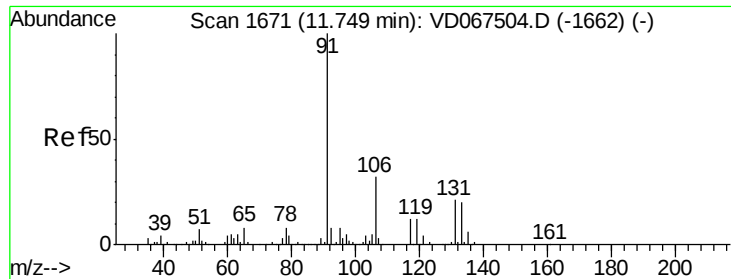


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

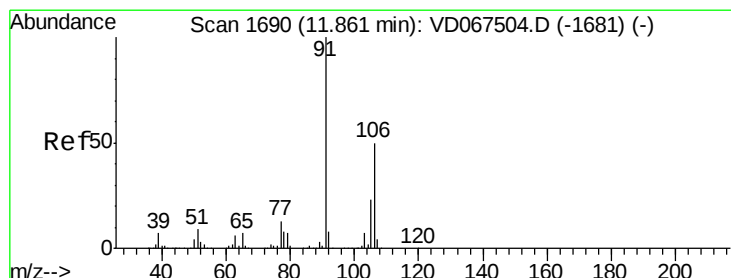
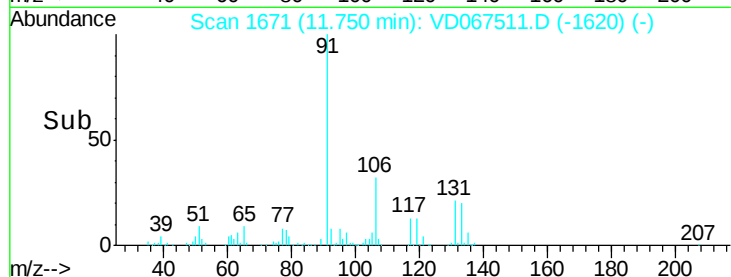
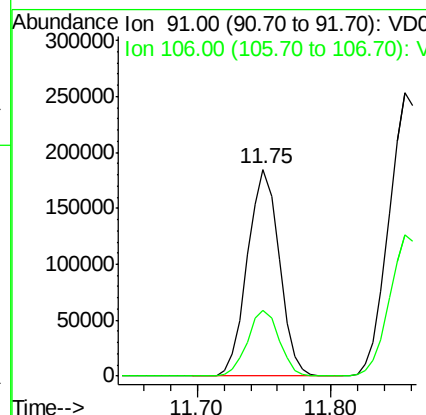
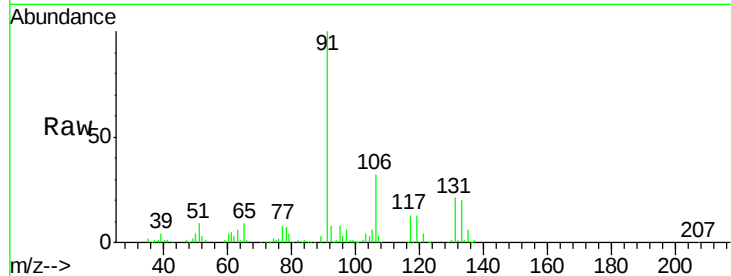




#67
Ethyl Benzene
Concen: 21.041 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

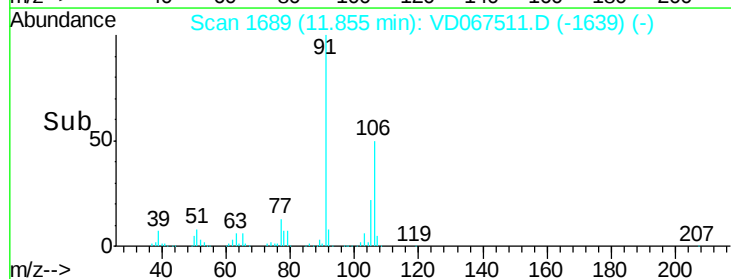
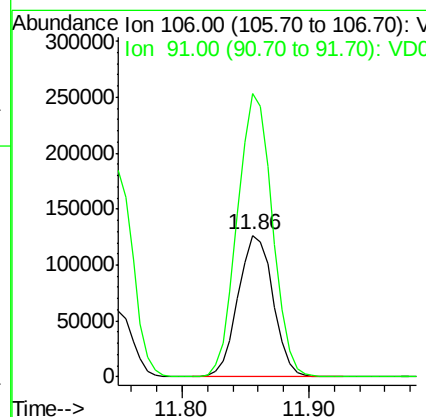
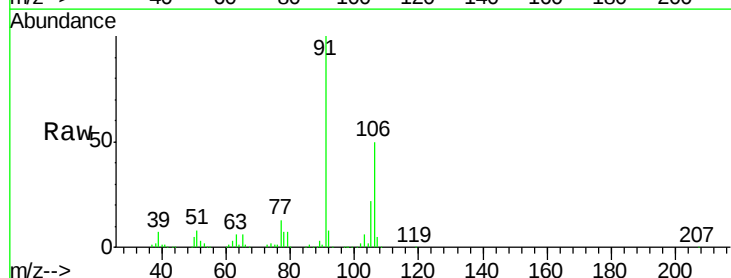
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

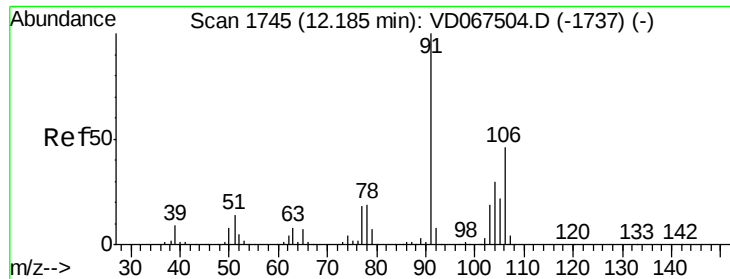
Tot Ion: 91 Resp: 304946
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5



#68
m/p-Xylenes
Concen: 43.074 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion: 106 Resp: 242861
Ion Ratio Lower Upper
106 100
91 199.4 162.6 244.0

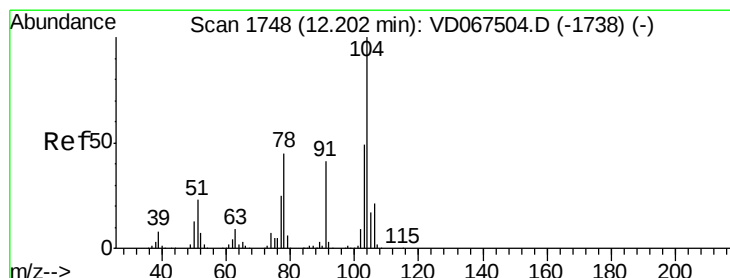
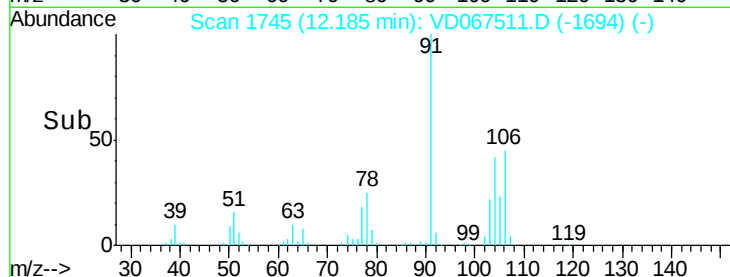
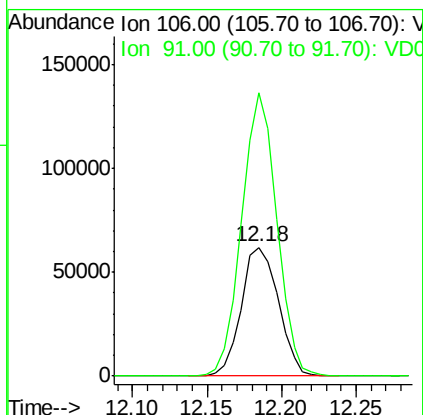
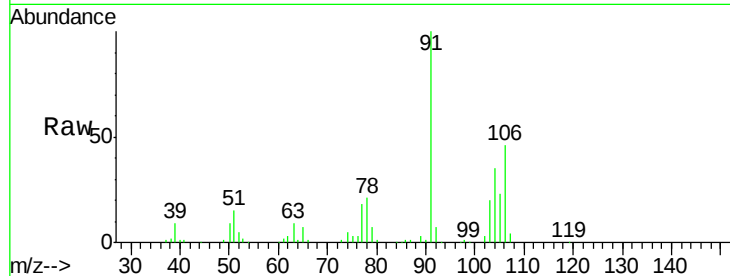




#69
o-Xylene
Concen: 21.273 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

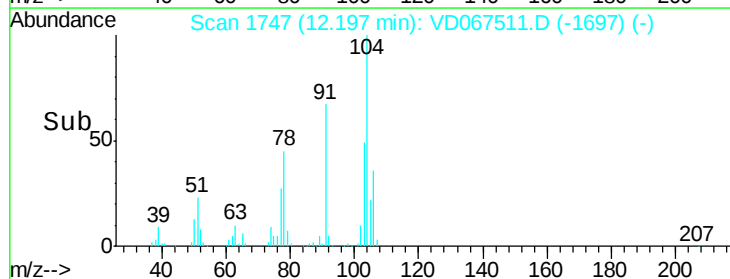
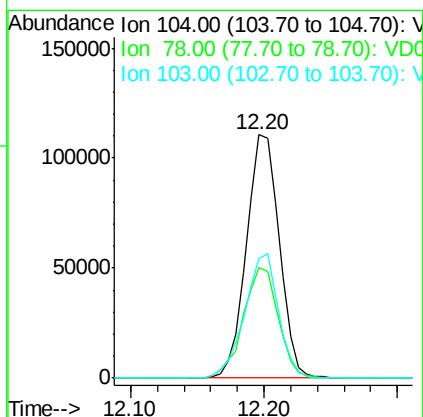
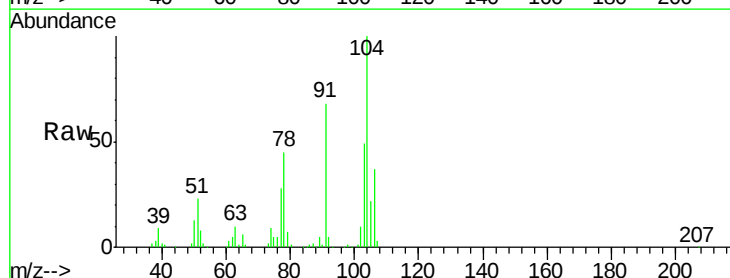
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

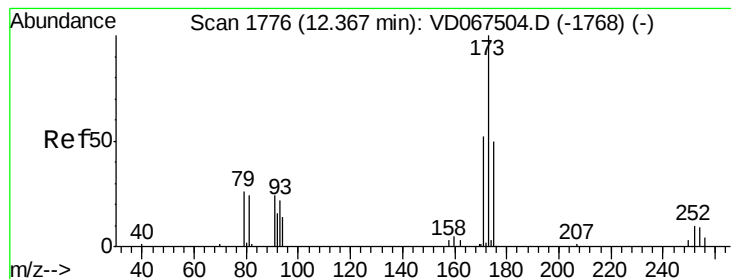
Tot Ion:106 Resp: 107088
Ion Ratio Lower Upper
106 100
91 207.7 107.1 321.1



#70
Styrene
Concen: 21.454 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion:104 Resp: 188187
Ion Ratio Lower Upper
104 100
78 48.5 39.8 59.8
103 52.5 43.9 65.9





#71

Bromoform

Concen: 20.281 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

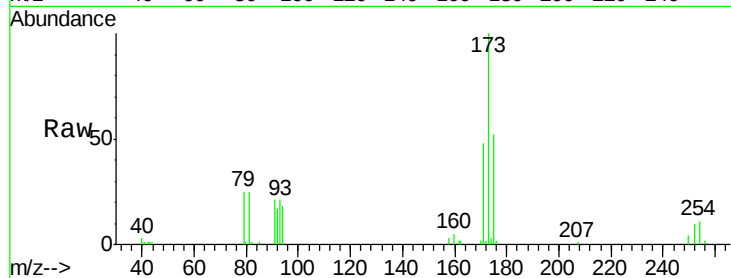
Tot Ion:173 Resp: 34527

Ion Ratio Lower Upper

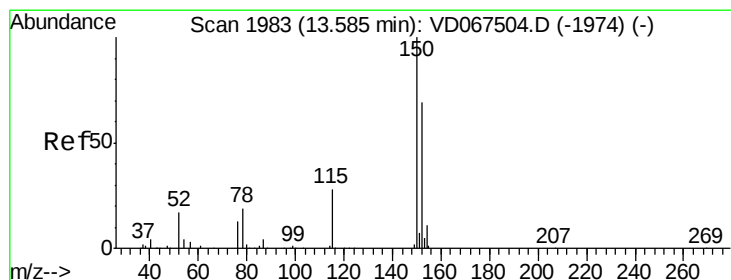
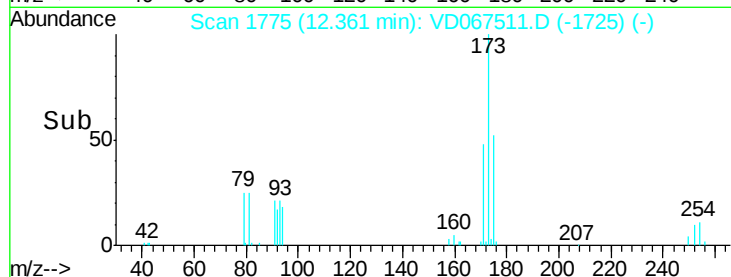
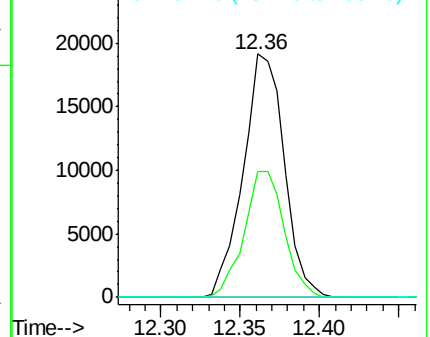
173 100

175 50.6 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: VD067511.D

Acq: 04 Nov 2020 11:05

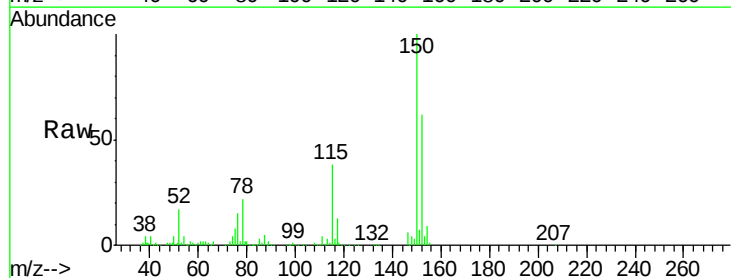
Tgt Ion:152 Resp: 215406

Ion Ratio Lower Upper

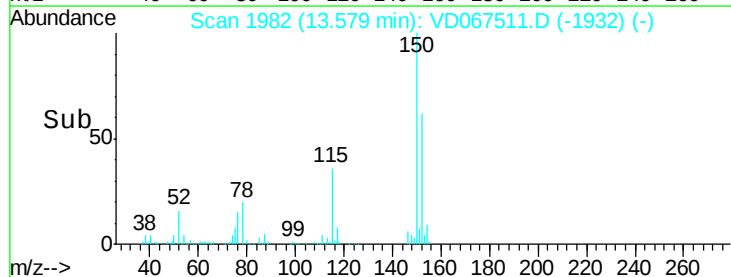
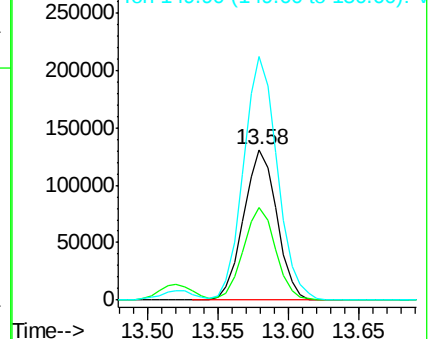
152 100

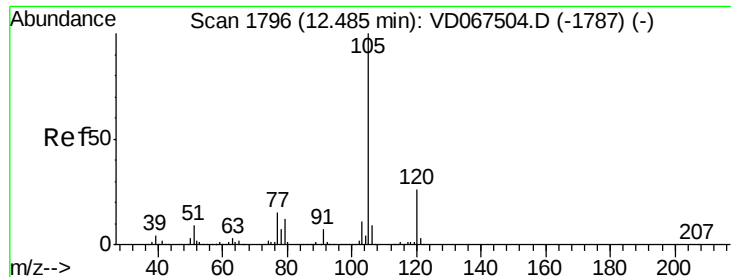
115 60.1 29.3 88.0

150 165.4 0.0 338.2



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





#73

Isopropylbenzene

Concen: 21.532 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

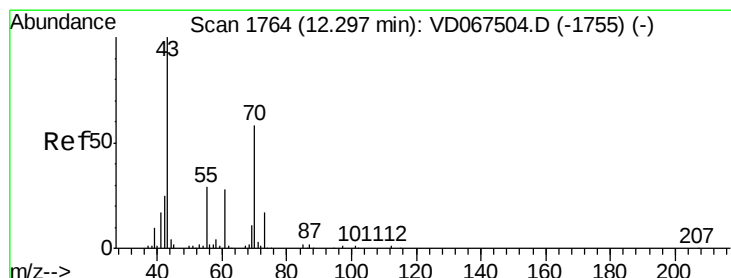
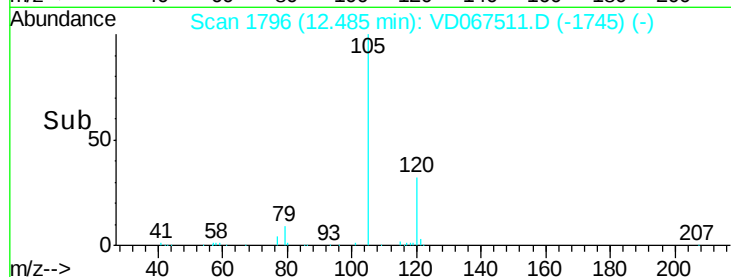
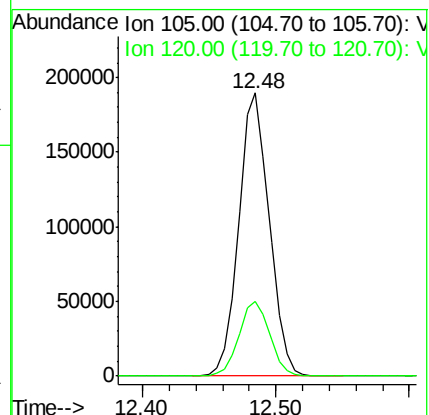
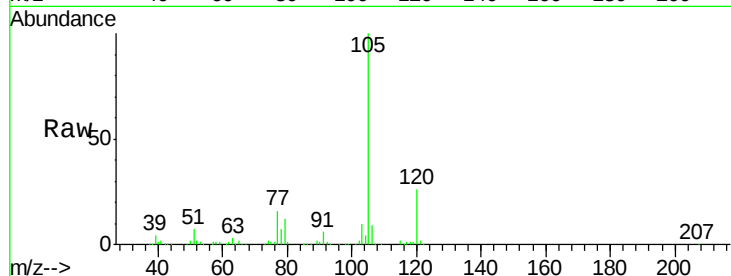
VD1104SBS01

Tot Ion:105 Resp: 299755

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#74

N-ethyl acetate

Concen: 19.753 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Tgt Ion: 43 Resp: 36184

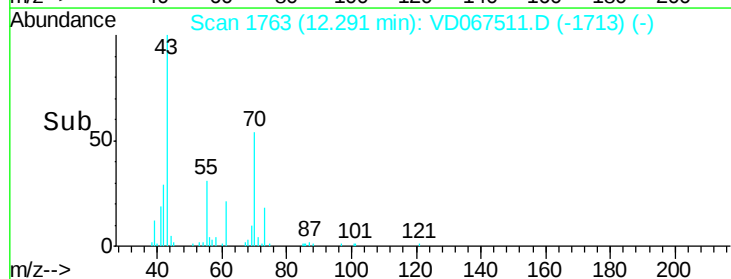
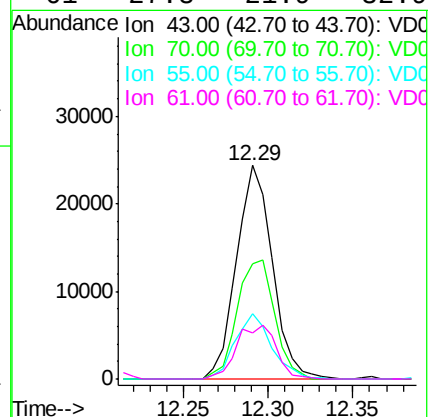
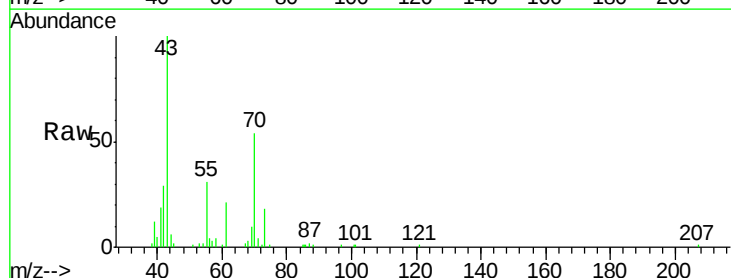
Ion Ratio Lower Upper

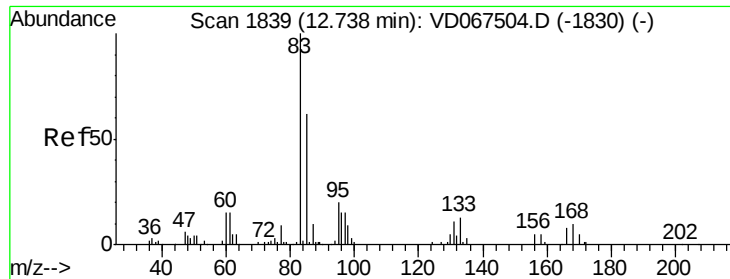
43 100

70 57.6 42.6 64.0

55 31.0 23.7 35.5

61 27.8 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.227 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

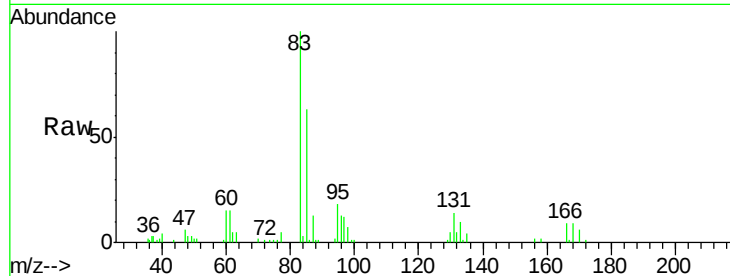
Tot Ion: 83 Resp: 40295

Ion Ratio Lower Upper

83 100

131 14.3 7.1 21.3

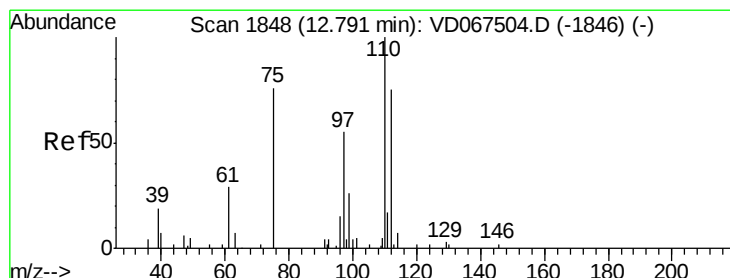
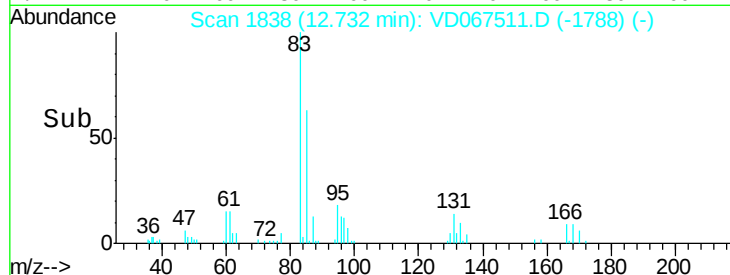
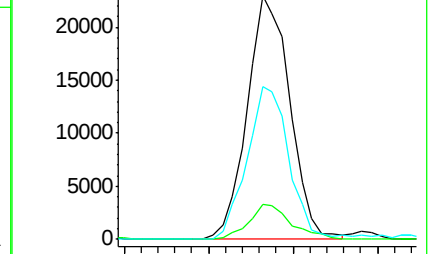
85 61.1 32.9 98.7



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: 40.876 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067511.D

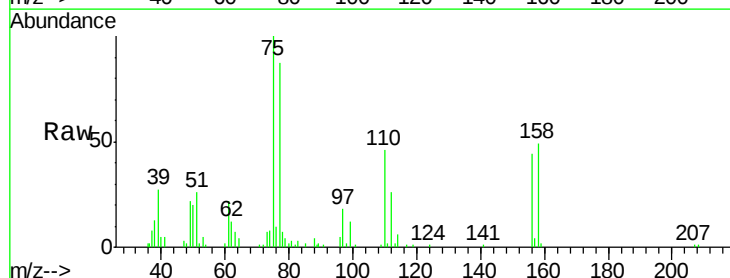
Acq: 04 Nov 2020 11:05

Tgt Ion: 75 Resp: 53116

Ion Ratio Lower Upper

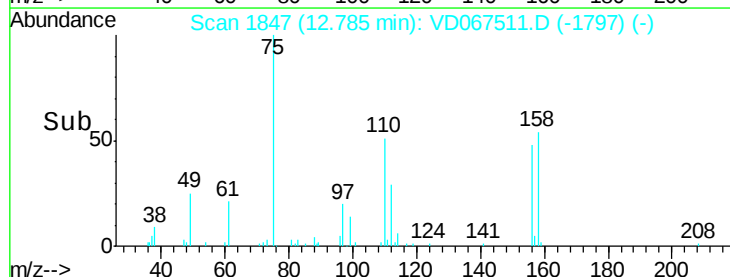
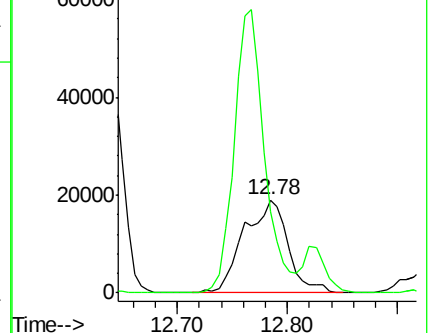
75 100

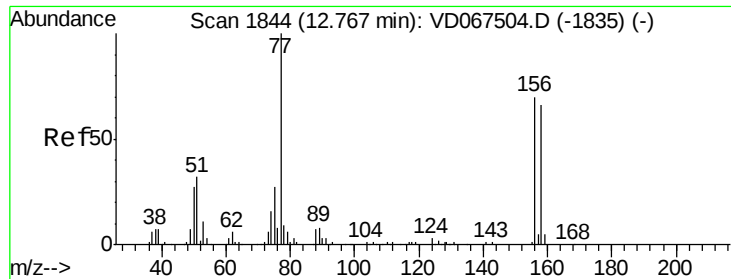
77 210.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.526 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

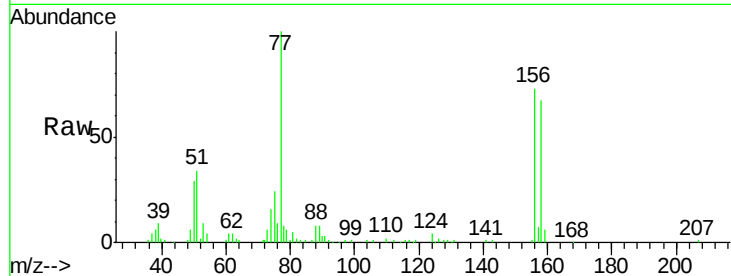
Tot Ion:156 Resp: 70175

Ion Ratio Lower Upper

156 100

77 159.2 77.8 233.5

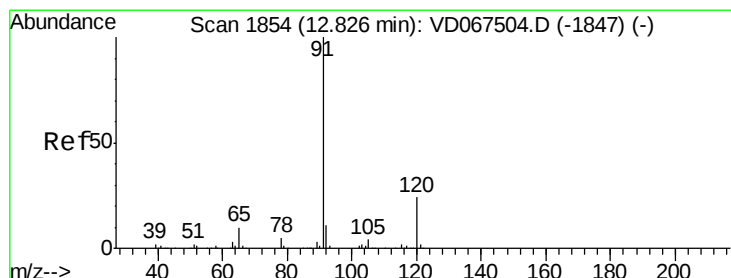
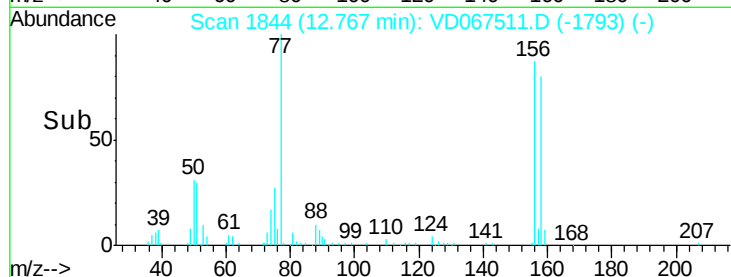
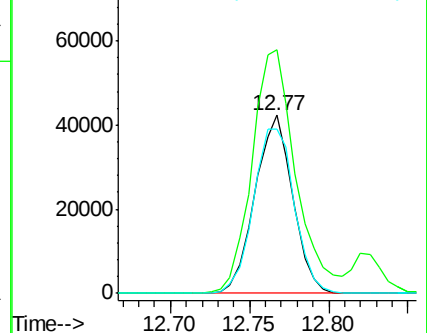
158 100.2 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.740 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067511.D

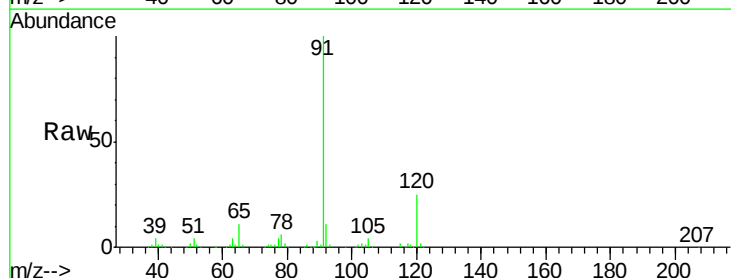
Acq: 04 Nov 2020 11:05

Tgt Ion: 91 Resp: 346179

Ion Ratio Lower Upper

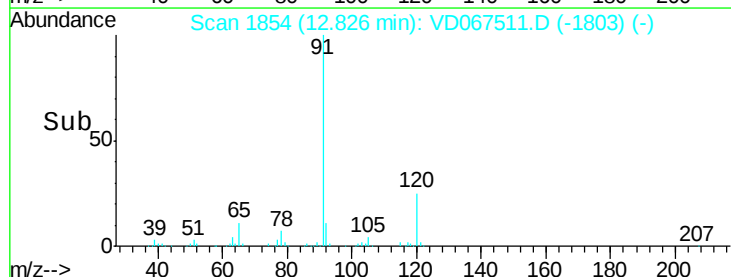
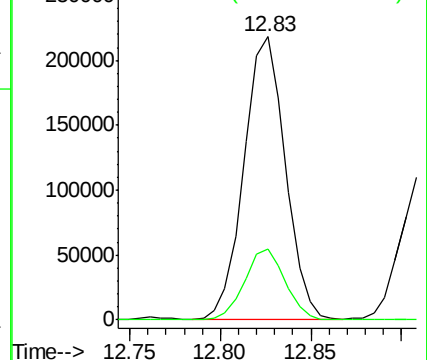
91 100

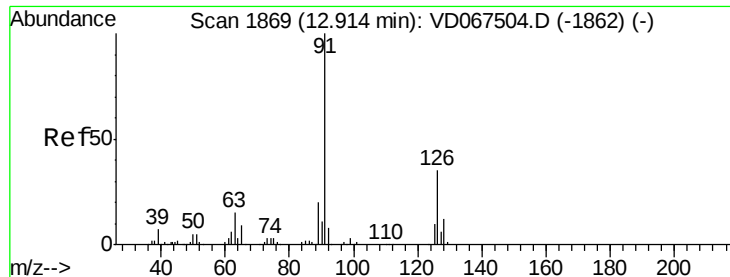
120 24.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

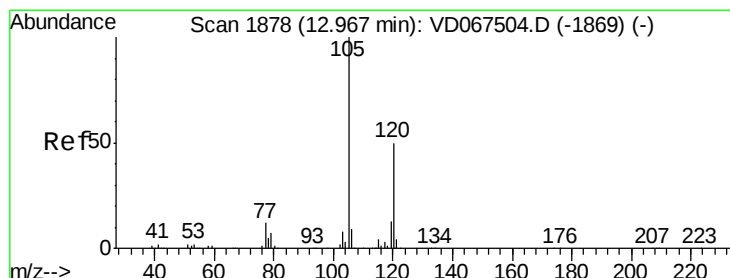
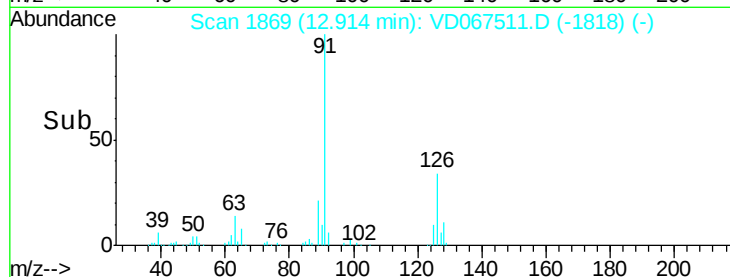
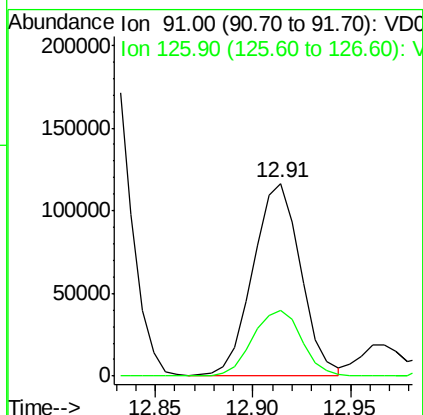
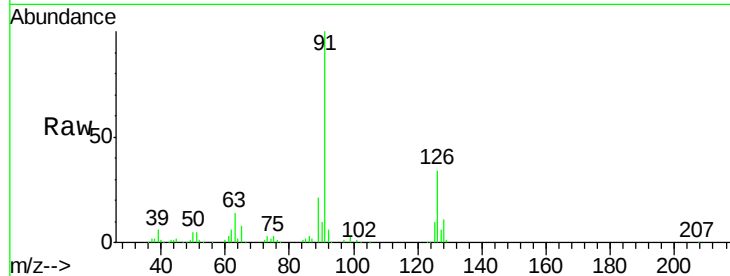




#79
 2-Chlorotoluene
 Concen: 21.850 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

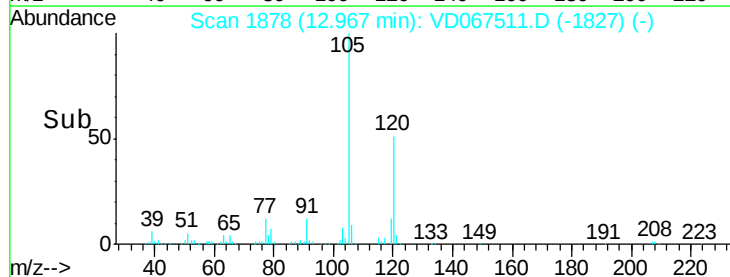
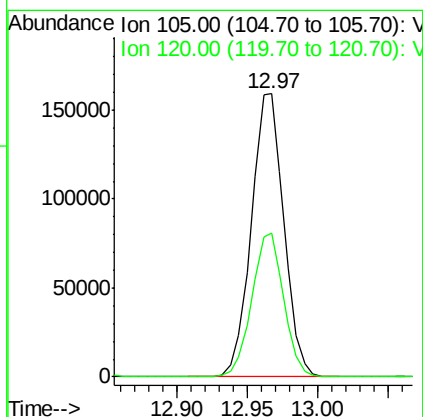
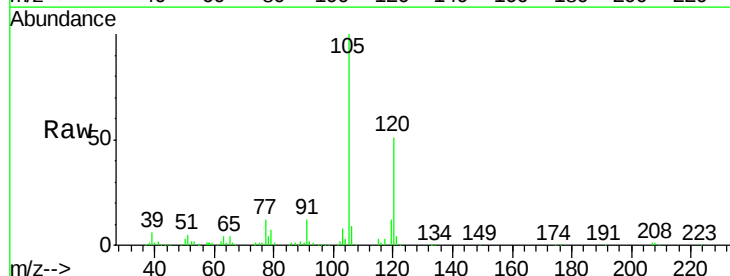
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

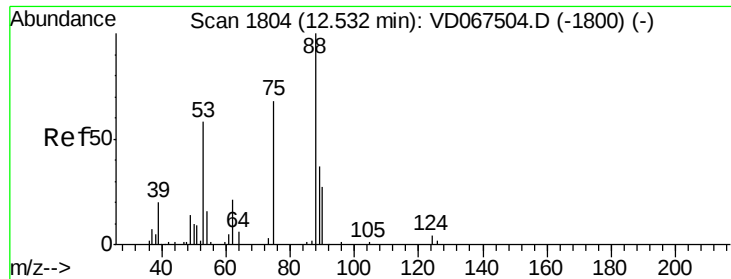
Tot Ion: 91 Resp: 197645
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.684 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion: 105 Resp: 257869
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.347 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

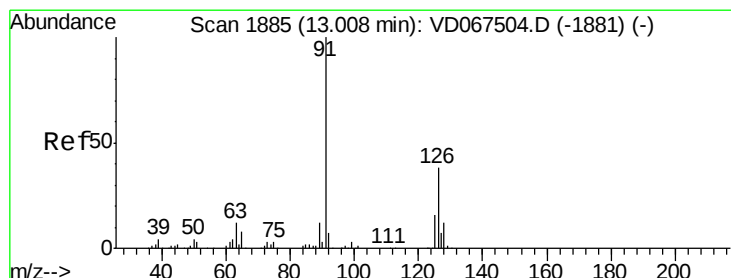
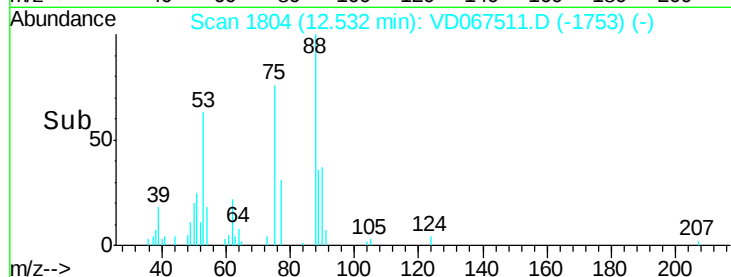
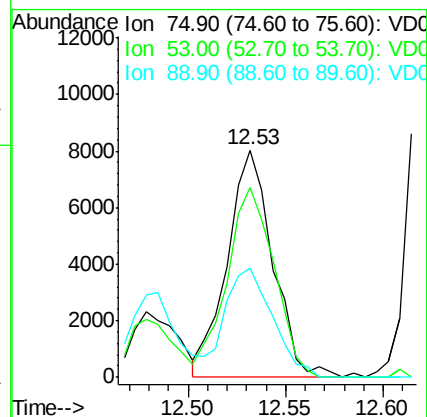
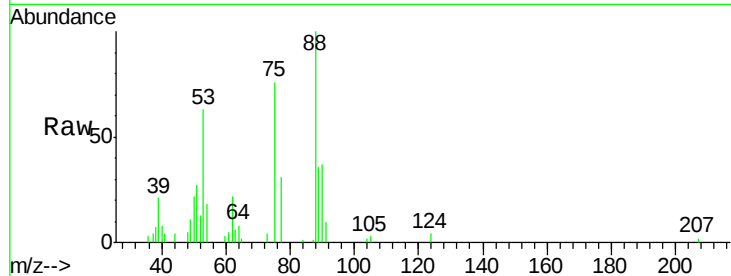
Tot Ion: 75 Resp: 13023

Ion Ratio Lower Upper

75 100

53 86.6 75.9 113.9

89 49.7 44.6 67.0



#82

4-Chlorotoluene

Concen: 21.237 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067511.D

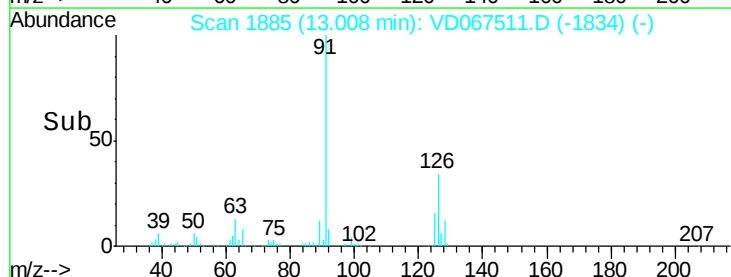
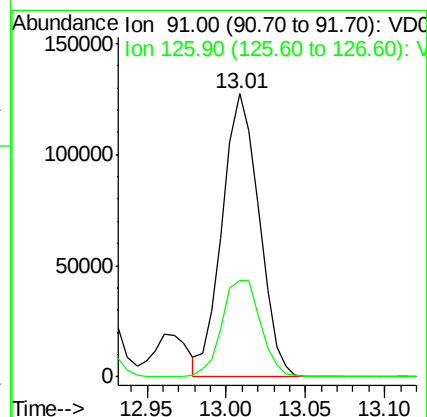
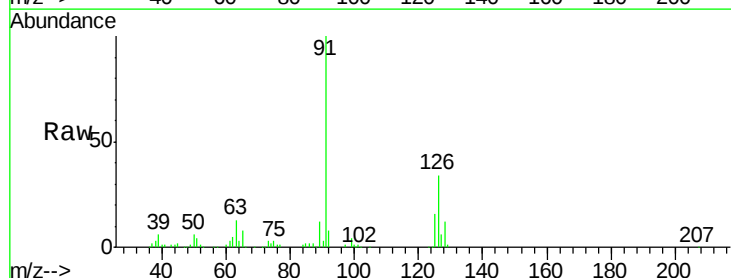
Acq: 04 Nov 2020 11:05

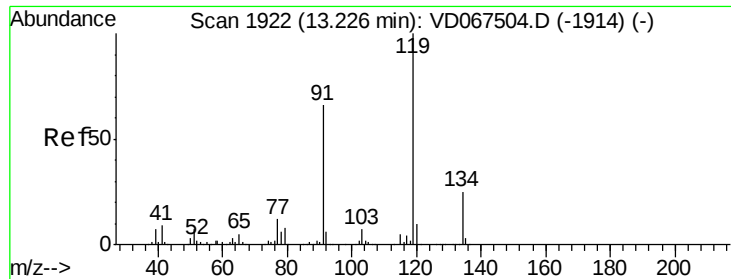
Tgt Ion: 91 Resp: 206022

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7

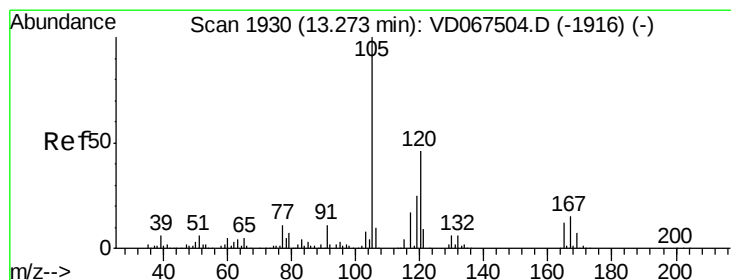
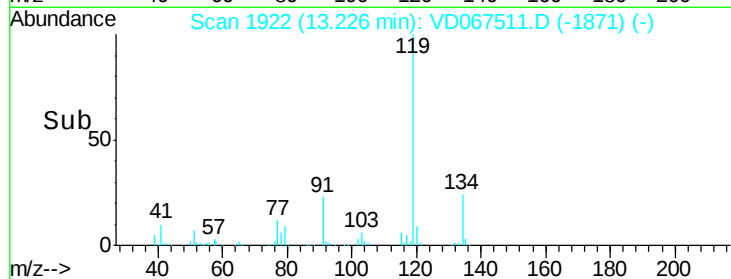
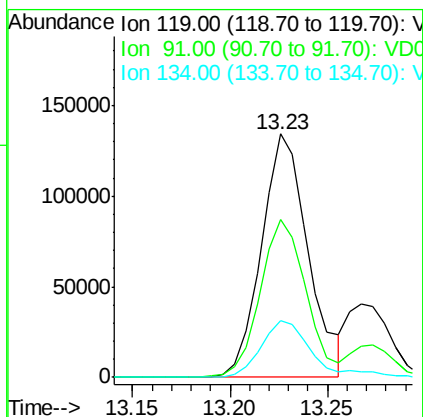
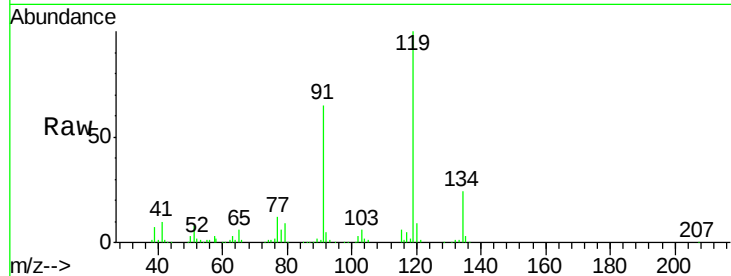




#83
tert-Butylbenzene
Concen: 22.113 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

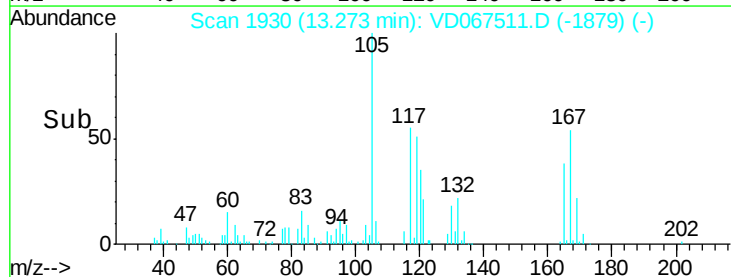
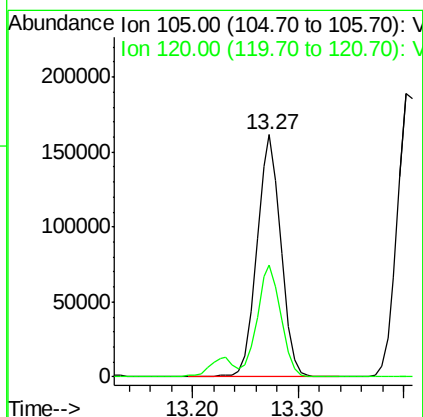
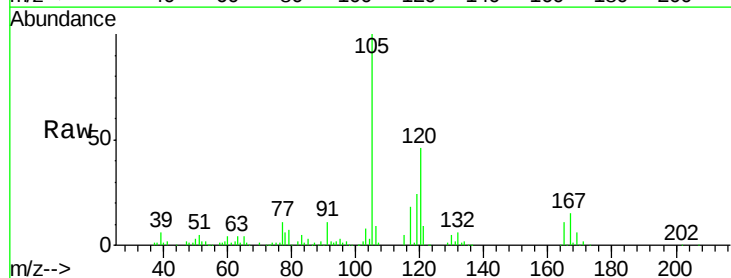
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

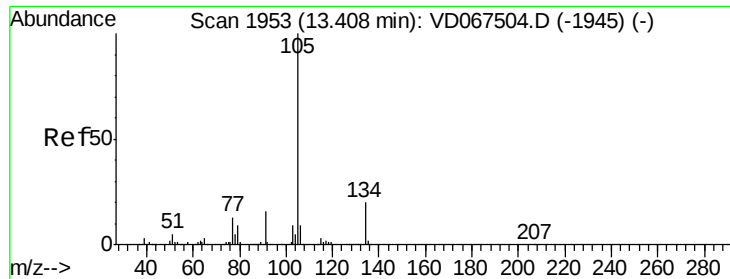
Tot Ion:119 Resp: 222872
Ion Ratio Lower Upper
119 100
91 63.5 32.7 98.1
134 25.6 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 21.607 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion:105 Resp: 255779
Ion Ratio Lower Upper
105 100
120 45.7 22.1 66.1

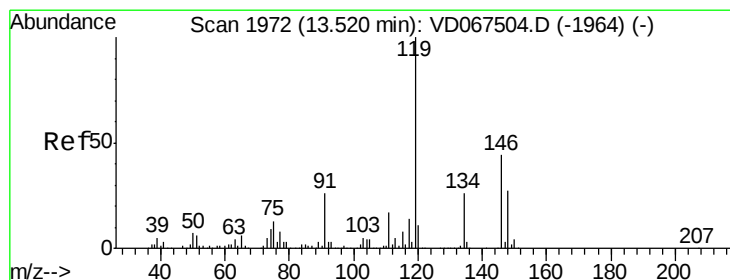
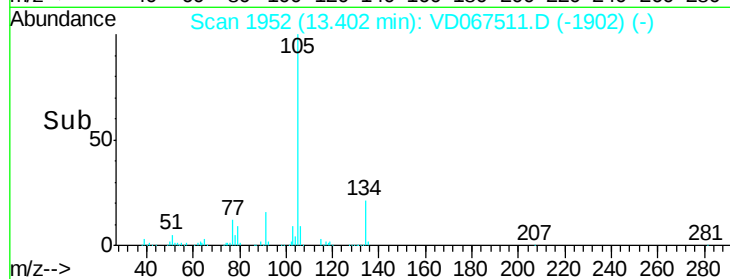
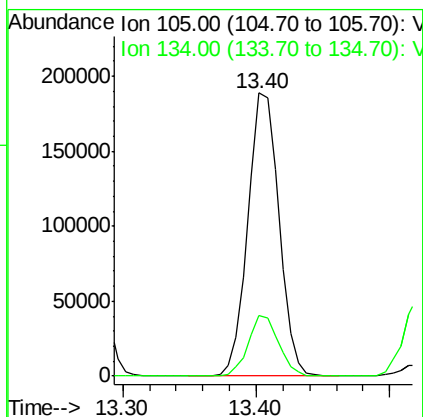
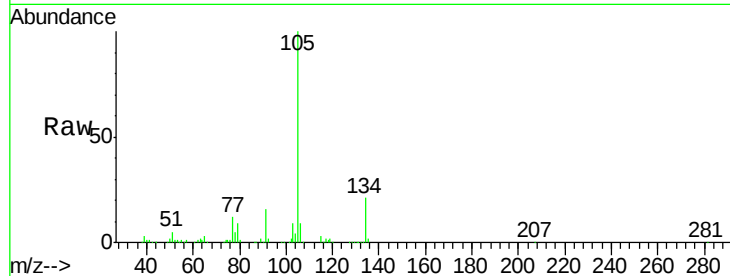




#85
 sec-Butylbenzene
 Concen: 22.278 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

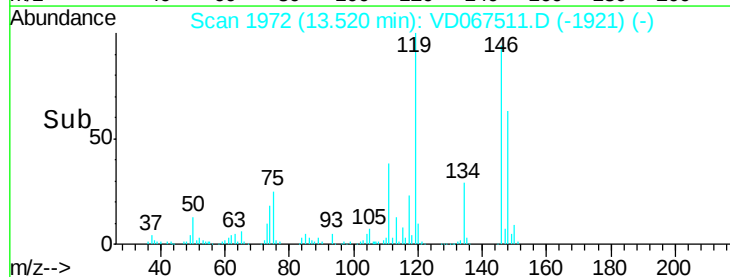
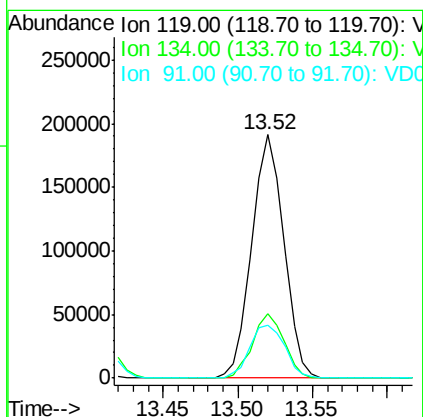
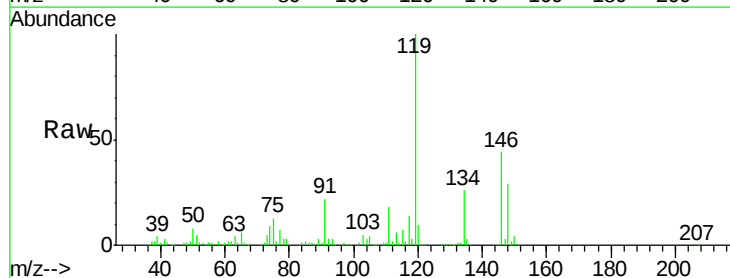
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

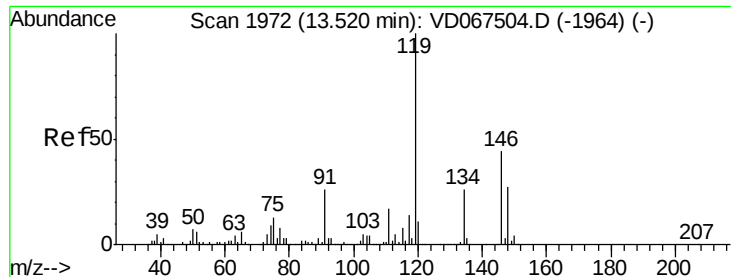
Tot Ion:105 Resp: 303117
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 21.585 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion:119 Resp: 283598
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 23.7 12.2 36.4

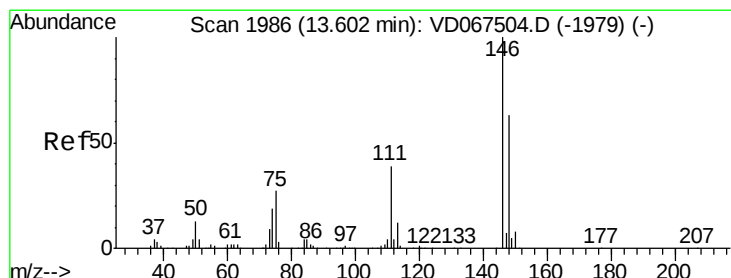
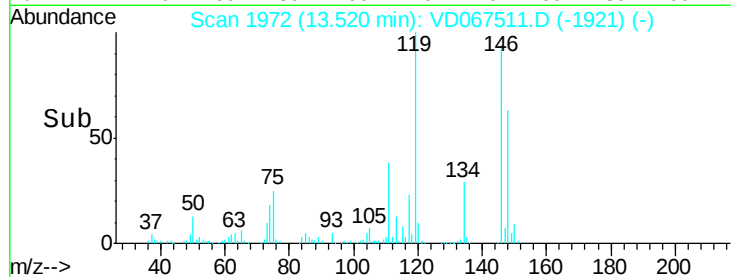
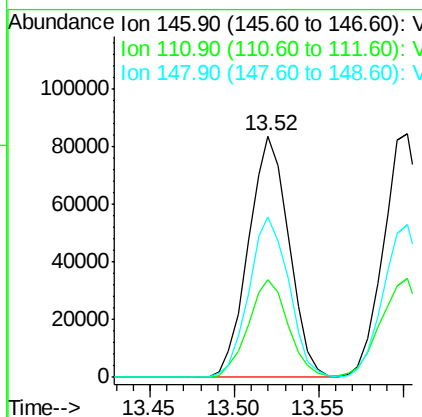
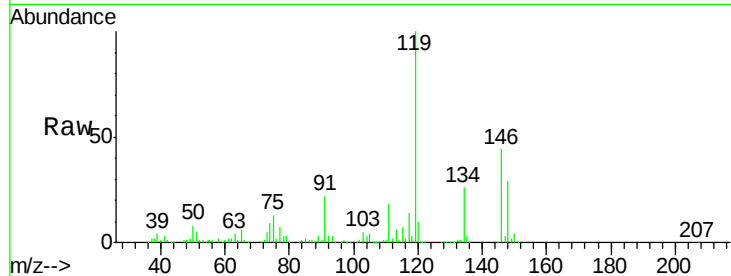




#87
 1,3-Dichlorobenzene
 Concen: 21.378 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

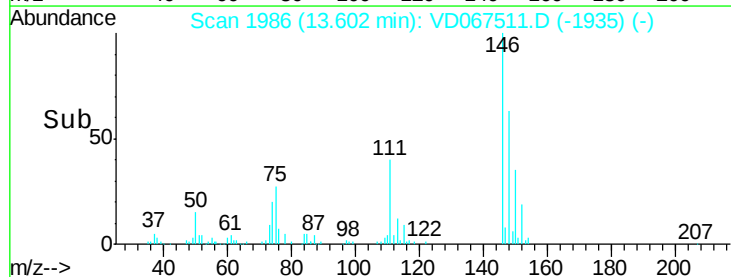
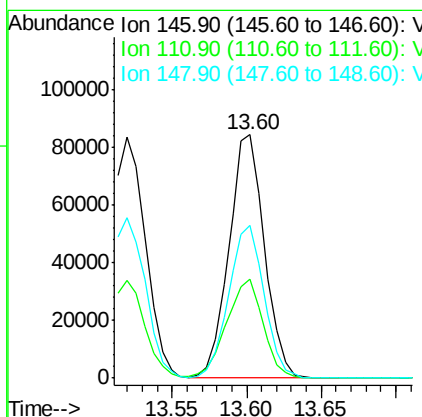
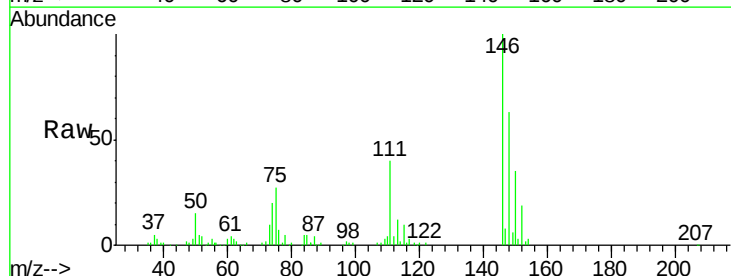
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

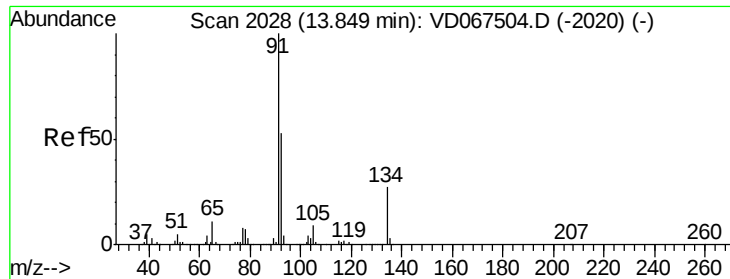
Tot Ion:146 Resp: 139463
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.3 60.8
 148 65.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.247 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion:146 Resp: 140351
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.6 58.7
 148 62.7 31.8 95.4

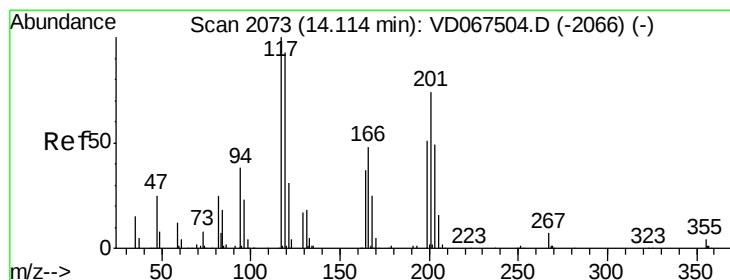
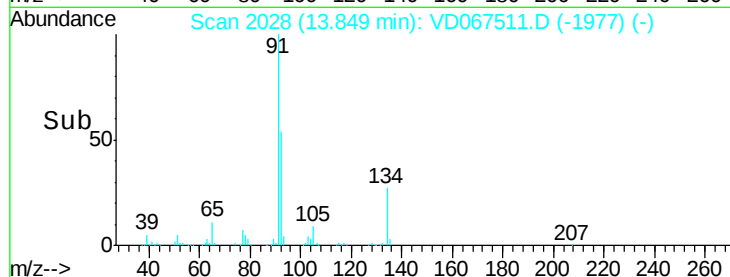
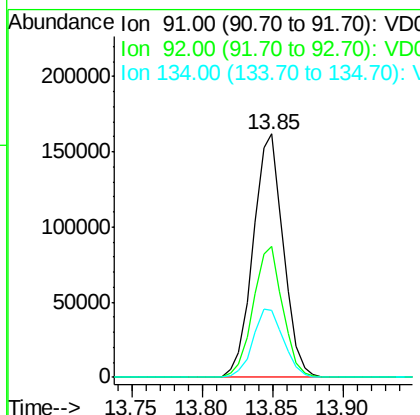
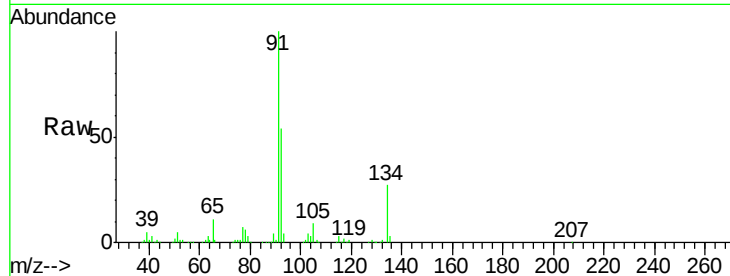




#89
n-Butylbenzene
Concen: 21.452 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

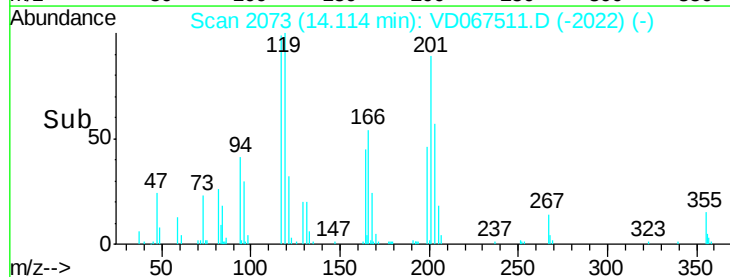
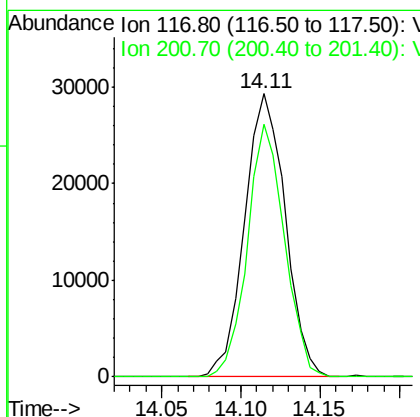
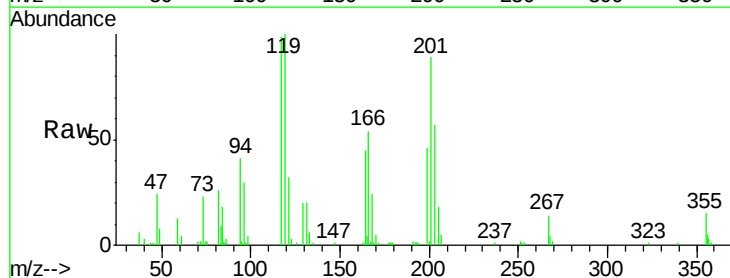
Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

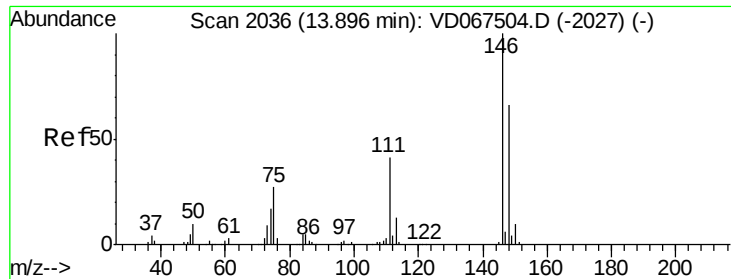
Tot Ion: 91 Resp: 243459
Ion Ratio Lower Upper
91 100
92 52.7 26.6 79.8
134 28.5 14.1 42.2



#90
Hexachloroethane
Concen: 21.122 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067511.D
Acq: 04 Nov 2020 11:05

Tgt Ion: 117 Resp: 52262
Ion Ratio Lower Upper
117 100
201 81.1 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 21.116 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

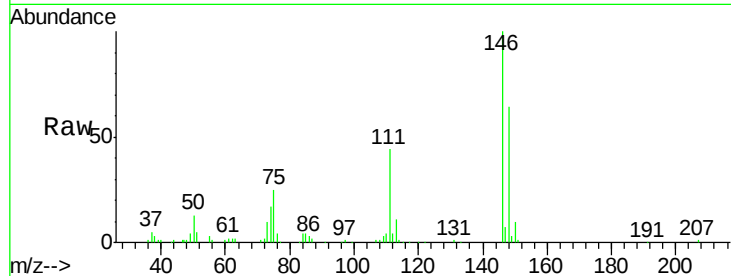
Tot Ion:146 Resp: 119224

Ion Ratio Lower Upper

146 100

111 41.9 20.7 62.1

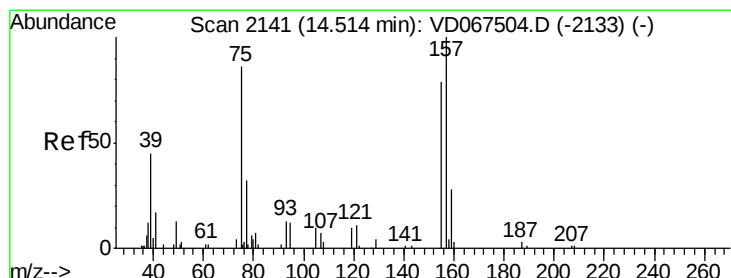
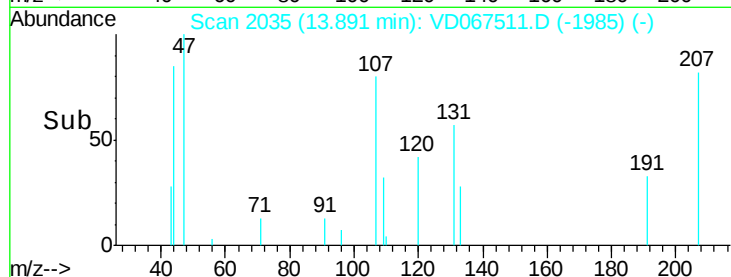
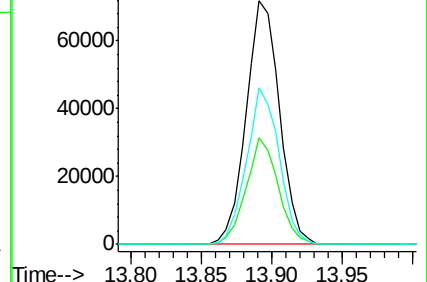
148 63.0 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.267 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

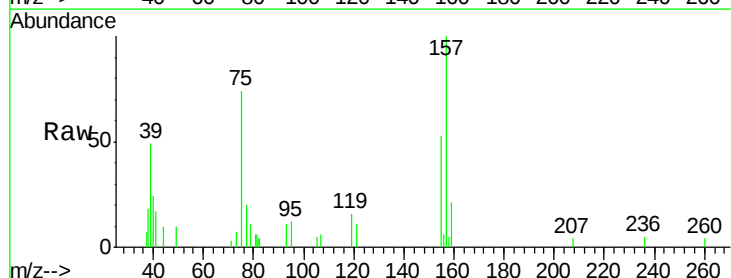
Tgt Ion: 75 Resp: 6812

Ion Ratio Lower Upper

75 100

155 88.3 46.6 139.8

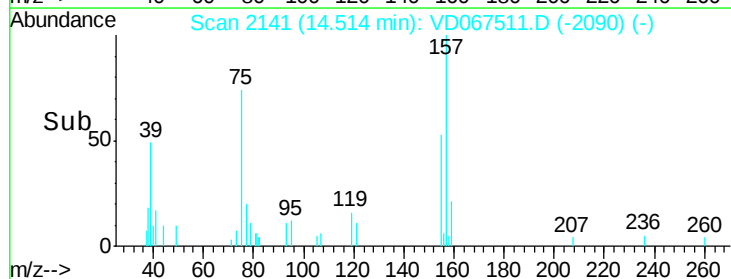
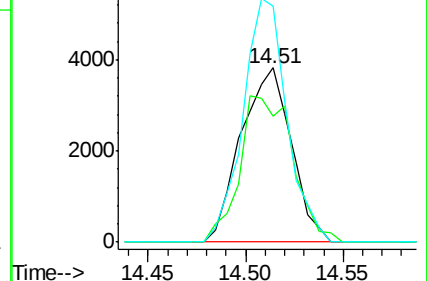
157 122.0 58.1 174.2

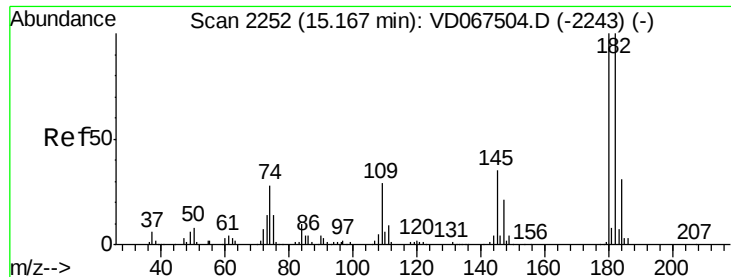


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

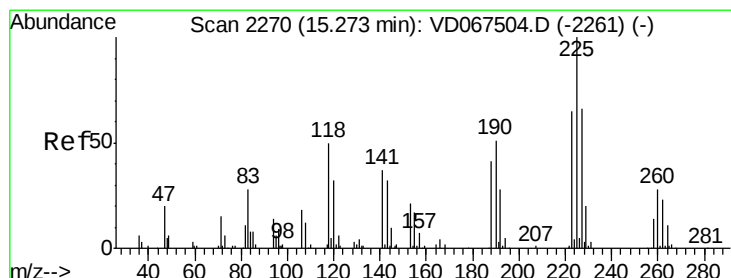
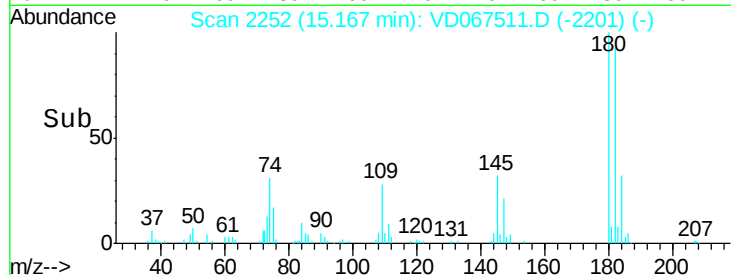
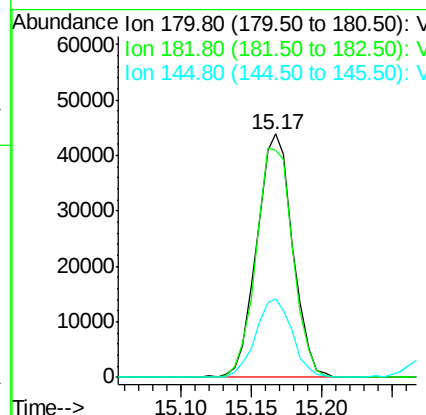
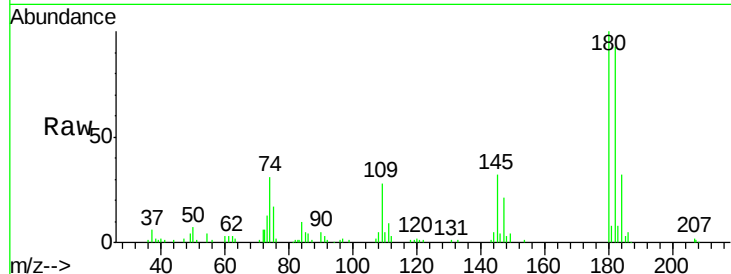




#93
 1,2,4-Trichlorobenzene
 Concen: 20.366 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

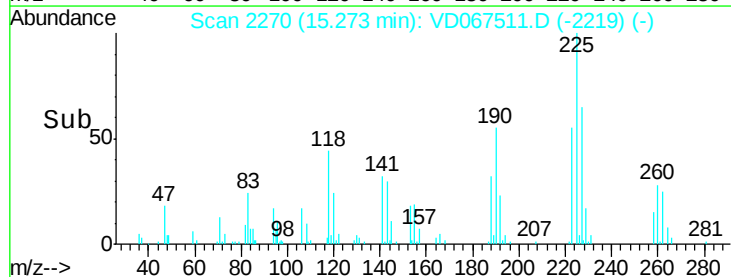
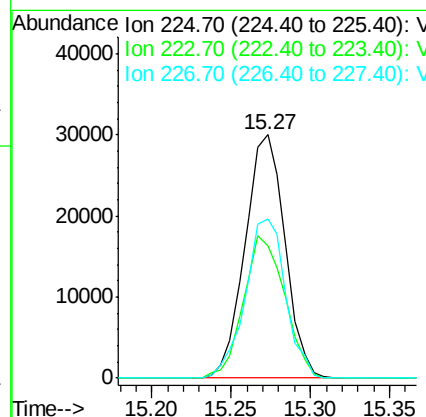
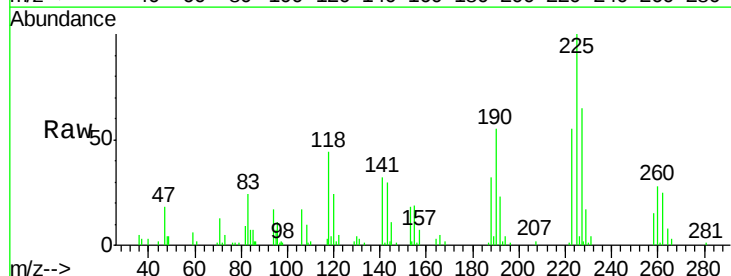
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

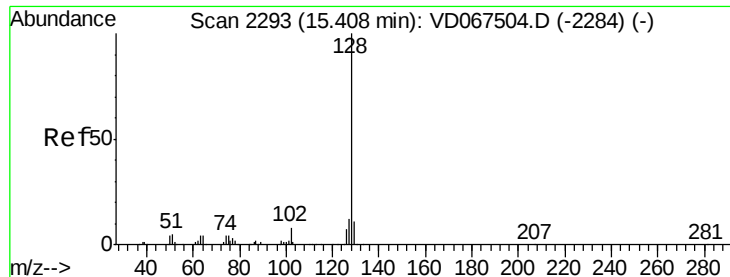
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.4	142.3
145	33.0	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 20.514 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067511.D
 Acq: 04 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.9	95.5
227	65.6	32.5	97.4





#95

Naphthalene

Concen: 19.584 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

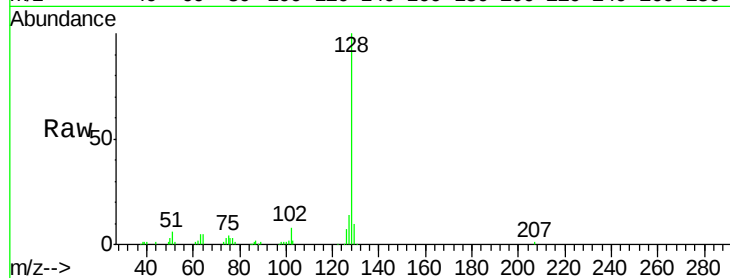
Tot Ion:128 Resp: 115819

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

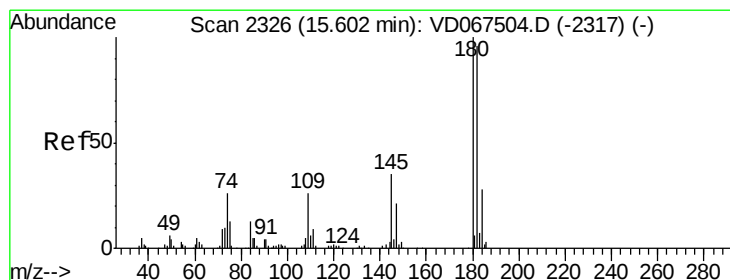
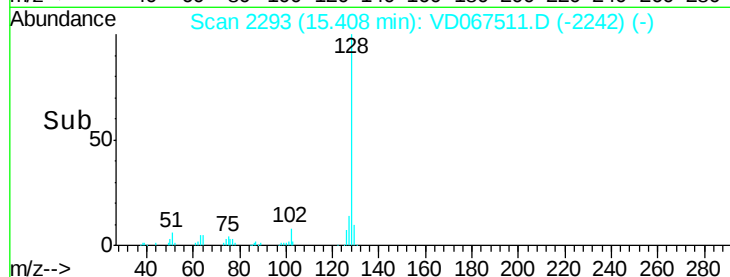
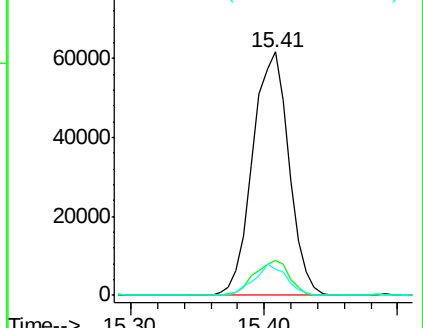
129 11.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.422 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067511.D

Acq: 04 Nov 2020 11:05

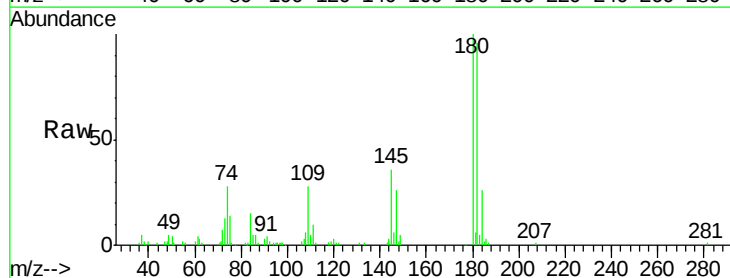
Tgt Ion:180 Resp: 67015

Ion Ratio Lower Upper

180 100

182 95.2 46.9 140.8

145 35.7 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

