

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067677.D
 Acq On : 18 Nov 2020 11:20
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Quant Time: Nov 19 00:25:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	275920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	406475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	369940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	120647	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.92	113	123409	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.34	98	418999	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.64	95	156068	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52524	20.867	ug/l	91
3) Chloromethane	2.21	50	32779	19.077	ug/l	93
4) Vinyl Chloride	2.35	62	36710	19.163	ug/l	97
5) Bromomethane	2.77	94	31638	20.377	ug/l	94
6) Chloroethane	2.93	64	23265	19.699	ug/l	92
7) Trichlorofluoromethane	3.28	101	106719	21.516	ug/l	90
8) Diethyl Ether	3.71	74	20936	20.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	53615	21.414	ug/l	98
10) Methyl Iodide	4.30	142	50727	18.904	ug/l	99
11) Tert butyl alcohol	5.18	59	8266	64.518	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	48883	21.226	ug/l	95
13) Acrolein	3.92	56	4098	62.281	ug/l	91
14) Allyl chloride	4.71	41	48881	19.832	ug/l	97
15) Acrylonitrile	5.42	53	38671	104.671	ug/l	97
16) Acetone	4.16	43	33706	93.359	ug/l	97
17) Carbon Disulfide	4.41	76	133235	18.880	ug/l #	95
18) Methyl Acetate	4.73	43	14751	19.772	ug/l #	41
19) Methyl tert-butyl Ether	5.47	73	93637	20.613	ug/l #	92
20) Methylene Chloride	4.97	84	58850	23.076	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	56113	20.919	ug/l	98
22) Diisopropyl ether	6.37	45	101464	21.125	ug/l #	92
23) Vinyl Acetate	6.31	43	255832	101.755	ug/l	95
24) 1,1-Dichloroethane	6.27	63	82706	21.048	ug/l	95
25) 2-Butanone	7.22	43	38588	100.027	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	90155	21.740	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	60320	21.665	ug/l	99
28) Bromochloromethane	7.56	49	27049	19.353	ug/l #	1
29) Tetrahydrofuran	7.57	42	23717	102.635	ug/l	98
30) Chloroform	7.71	83	104756	22.347	ug/l	100
31) Cyclohexane	7.99	56	66772	19.082	ug/l #	85
32) 1,1,1-Trichloroethane	7.90	97	103028	21.301	ug/l	100
36) 1,1-Dichloropropene	8.11	75	74273	21.347	ug/l	98
37) Ethyl Acetate	7.30	43	19461	21.544	ug/l #	80
38) Carbon Tetrachloride	8.10	117	99052	21.911	ug/l	98

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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Quant Time: Nov 19 00:25:45 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)
39) Methylcyclohexane	9.36	83	81221	19.834	ug/l	96
40) Benzene	8.36	78	207799	22.048	ug/l	100
41) Methacrylonitrile	7.57	41	25799	47.781	ug/l #	13
42) 1,2-Dichloroethane	8.43	62	65215	22.396	ug/l	99
43) Isopropyl Acetate	8.46	43	37838	21.180	ug/l	99
44) Trichloroethene	9.12	130	65929	21.275	ug/l	88
45) 1,2-Dichloropropane	9.39	63	43511	21.353	ug/l	94
46) Dibromomethane	9.48	93	26614	20.541	ug/l	94
47) Bromodichloromethane	9.67	83	76930	21.846	ug/l	98
48) Methyl methacrylate	9.46	41	17830	19.330	ug/l	95
49) 1,4-Dioxane	9.46	88	5858	445.380	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	90069	105.420	ug/l	100
52) Toluene	10.41	92	142682	22.602	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	65104	21.586	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	76358	21.309	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	37510	21.881	ug/l	97
56) Ethyl methacrylate	10.67	69	37020	20.912	ug/l	95
57) 1,3-Dichloropropane	10.95	76	57888	20.985	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	85718	103.834	ug/l	100
59) 2-Hexanone	10.99	43	60169	100.721	ug/l	99
60) Dibromochloromethane	11.15	129	56419	22.248	ug/l	100
61) 1,2-Dibromoethane	11.25	107	36628	21.289	ug/l	94
64) Tetrachloroethene	10.88	164	61082	22.295	ug/l	92
65) Chlorobenzene	11.68	112	155644	21.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	61914	22.044	ug/l	99
67) Ethyl Benzene	11.75	91	268534	22.022	ug/l	98
68) m/p-Xylenes	11.86	106	212756	44.847	ug/l	98
69) o-Xylene	12.18	106	95825	22.624	ug/l	99
70) Styrene	12.20	104	166073	22.501	ug/l	98
71) Bromoform	12.37	173	30340	21.181	ug/l #	93
73) Isopropylbenzene	12.48	105	262451	21.503	ug/l	98
74) N-amyl acetate	12.30	43	31664	19.716	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	35567	21.371	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	49971	43.863	ug/l #	100
77) Bromobenzene	12.77	156	66635	22.231	ug/l	97
78) n-propylbenzene	12.83	91	305990	21.918	ug/l	100
79) 2-Chlorotoluene	12.91	91	174872	22.051	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	230957	22.152	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11815	21.056	ug/l	96
82) 4-Chlorotoluene	13.01	91	189154	22.240	ug/l	99
83) tert-Butylbenzene	13.23	119	195670	22.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	233938	22.541	ug/l	99
85) sec-Butylbenzene	13.41	105	260712	21.856	ug/l	100
86) p-Isopropyltoluene	13.52	119	252782	21.945	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	122326	21.388	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	124090	21.427	ug/l	99
89) n-Butylbenzene	13.85	91	214465	21.555	ug/l	100
90) Hexachloroethane	14.11	117	46283	21.336	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	107771	21.772	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6462	21.930	ug/l	96

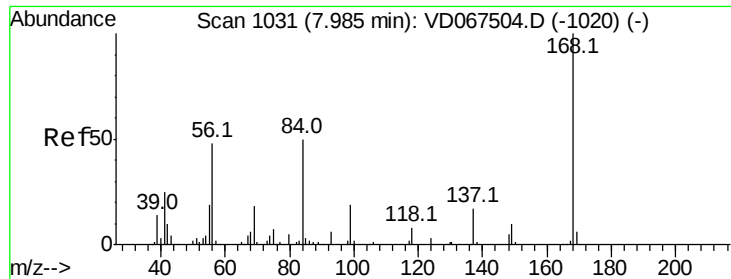
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111820\
Data File : VD067677.D
Acq On : 18 Nov 2020 11:20
Operator : VA/SY
Sample : VD1118SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Quant Time: Nov 19 00:25:45 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	73507	21.879	ug/l	98
94) Hexachlorobutadiene	15.27	225	47618	21.177	ug/l	98
95) Naphthalene	15.41	128	106404	20.522	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	60797	21.132	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

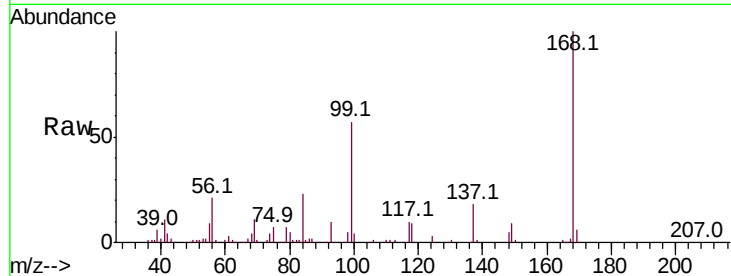
VD1118SBSD01

Tot Ion:168 Resp: 275920

Ion Ratio Lower Upper

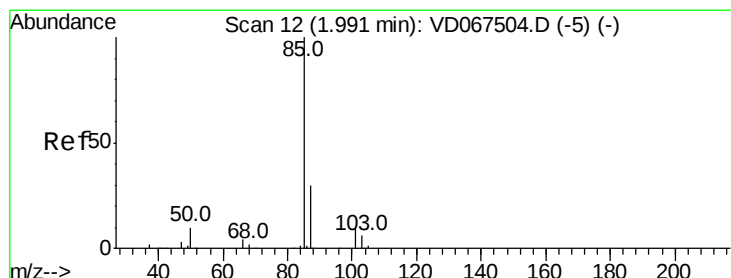
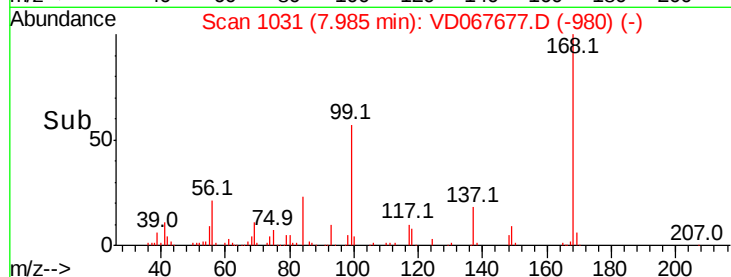
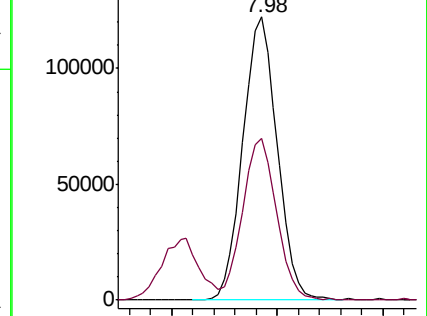
168 100

99 56.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.867 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067677.D

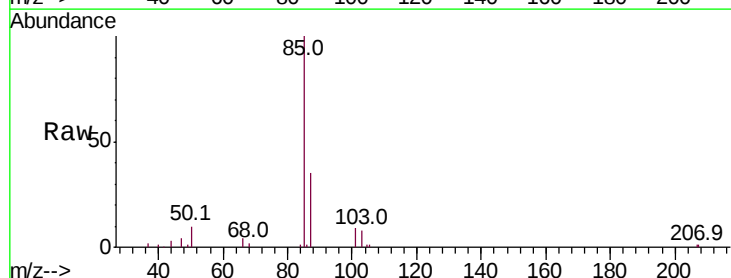
Acq: 18 Nov 2020 11:20

Tgt Ion: 85 Resp: 52524

Ion Ratio Lower Upper

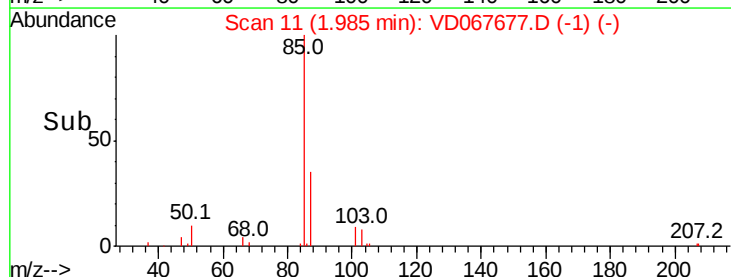
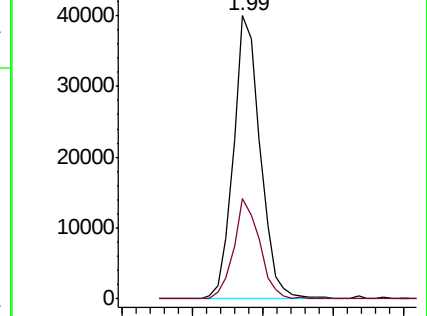
85 100

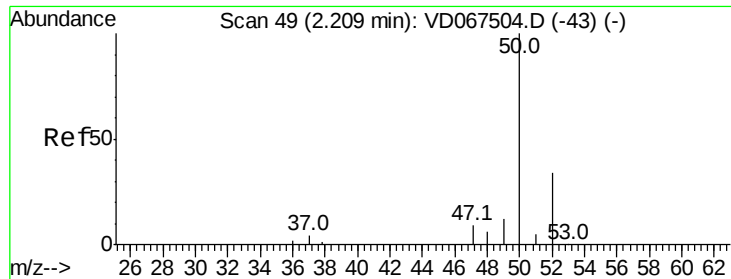
87 35.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.077 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

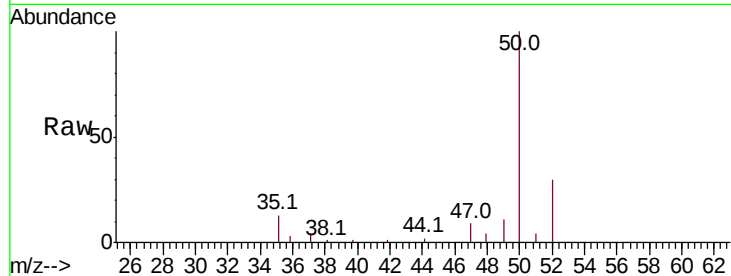
VD1118SBS01

Tot Ion: 50 Resp: 32779

Ion Ratio Lower Upper

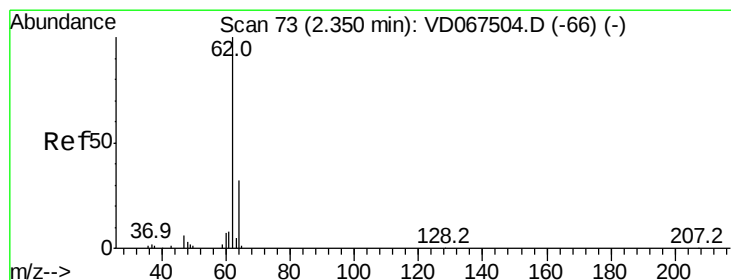
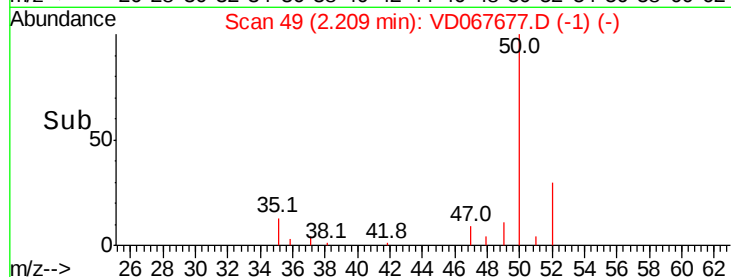
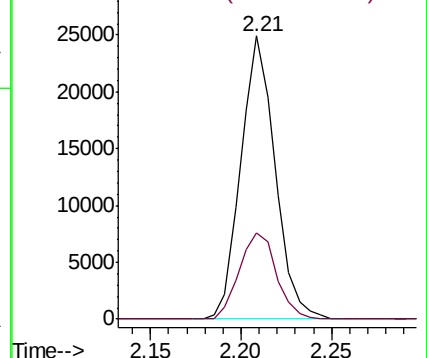
50 100

52 30.3 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.163 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067677.D

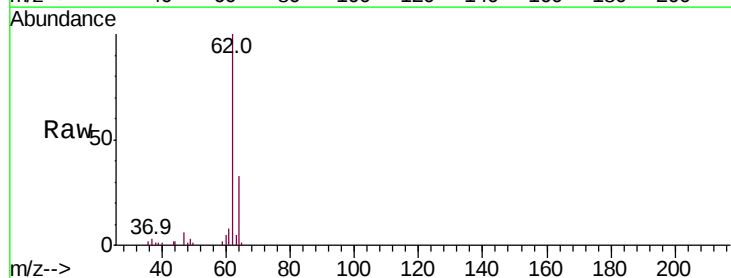
Acq: 18 Nov 2020 11:20

Tgt Ion: 62 Resp: 36710

Ion Ratio Lower Upper

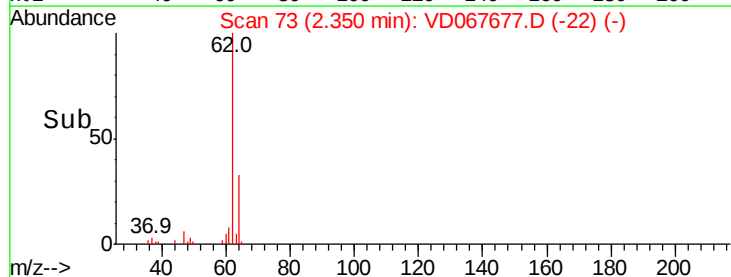
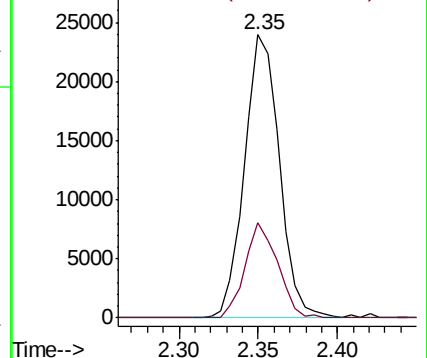
62 100

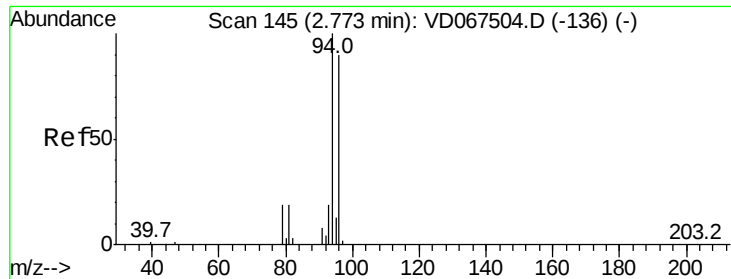
64 33.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.377 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

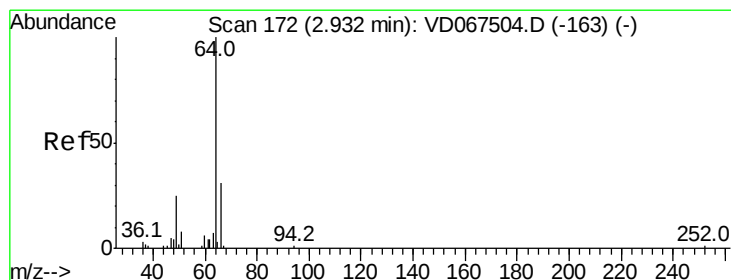
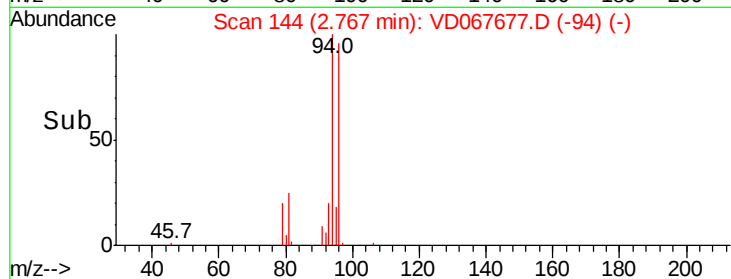
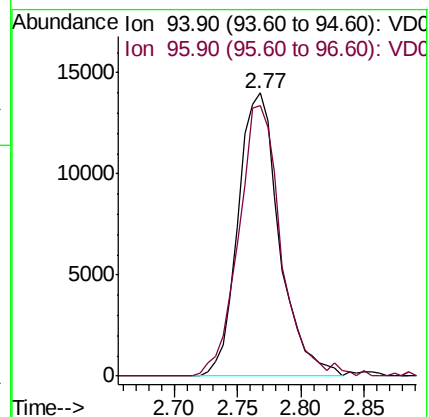
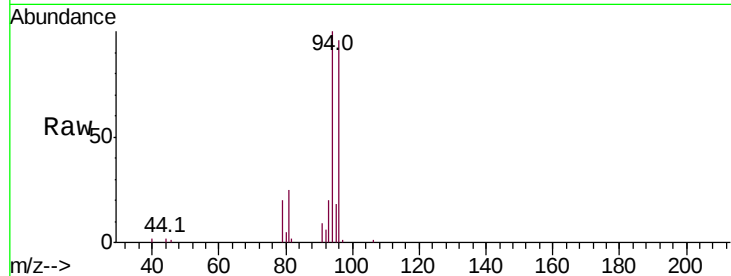
VD1118SBS01

Tot Ion: 94 Resp: 31638

Ion Ratio Lower Upper

94 100

96 95.7 72.2 108.2



#6

Chloroethane

Concen: 19.699 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067677.D

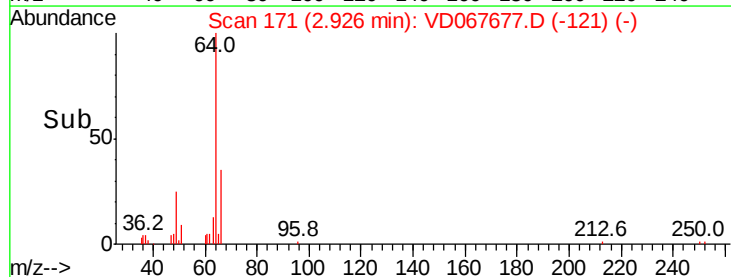
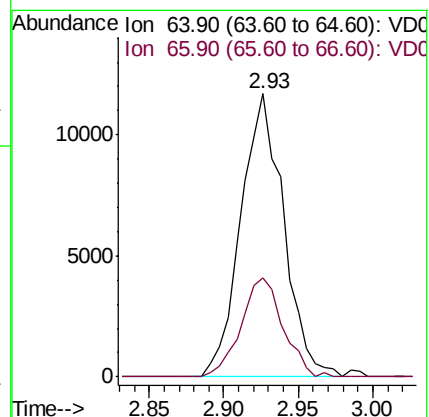
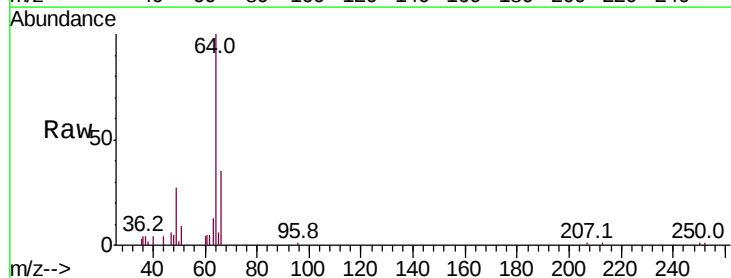
Acq: 18 Nov 2020 11:20

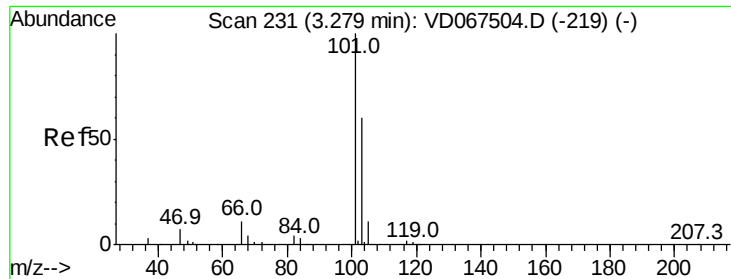
Tgt Ion: 64 Resp: 23265

Ion Ratio Lower Upper

64 100

66 35.2 24.6 36.8



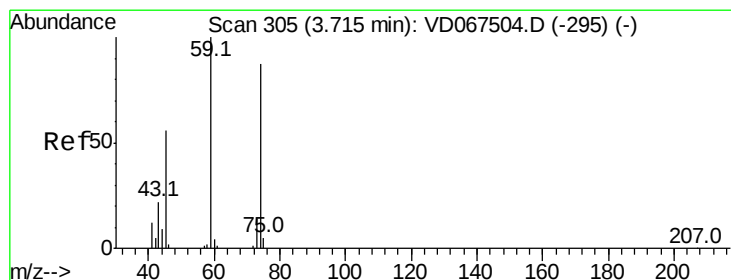
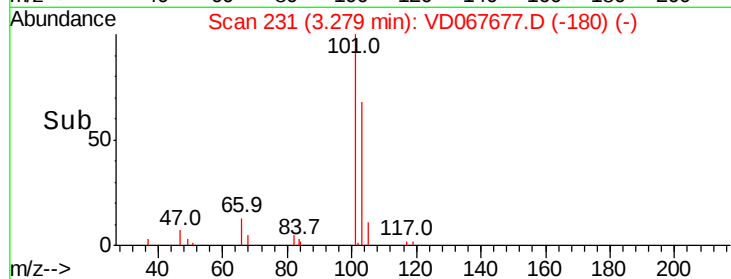
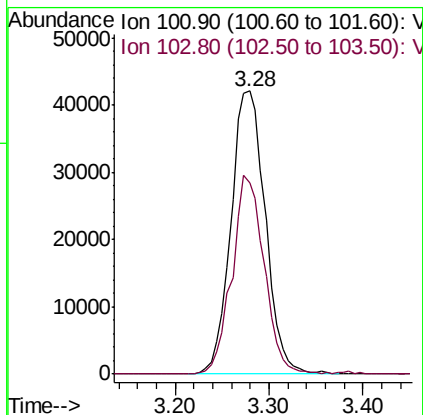
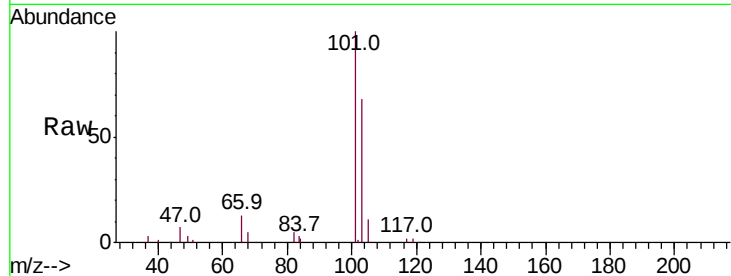


#7

Trichlorofluoromethane
 Concen: 21.516 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

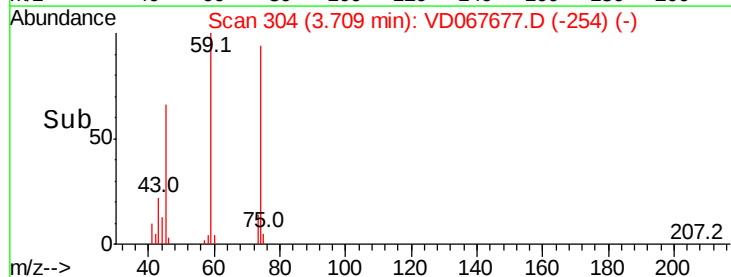
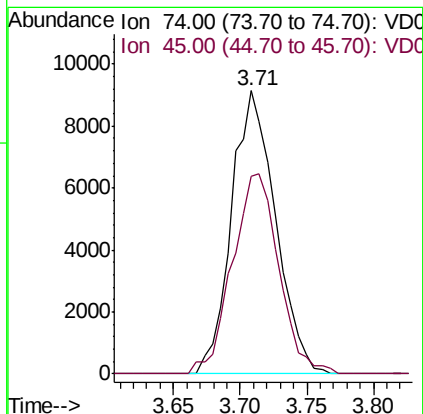
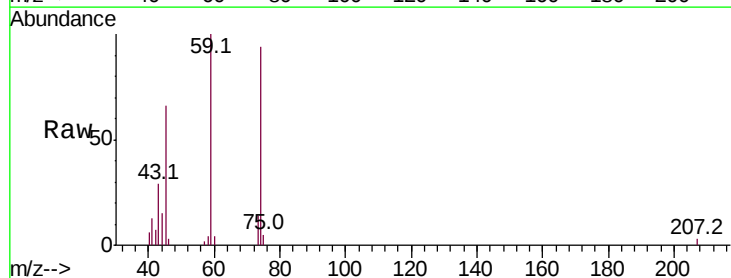
Tot Ion:101 Resp: 106719
 Ion Ratio Lower Upper
 101 100
 103 67.5 48.1 72.1

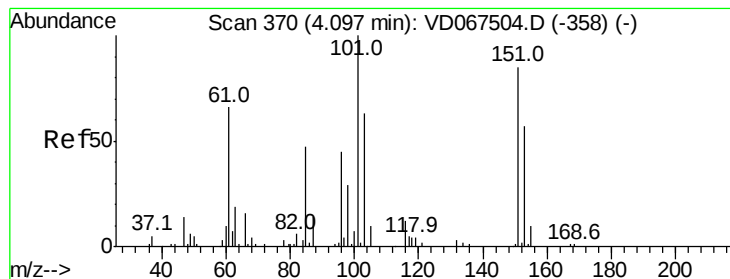


#8

Diethyl Ether
 Concen: 20.948 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion: 74 Resp: 20936
 Ion Ratio Lower Upper
 74 100
 45 74.6 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.414 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBSD01

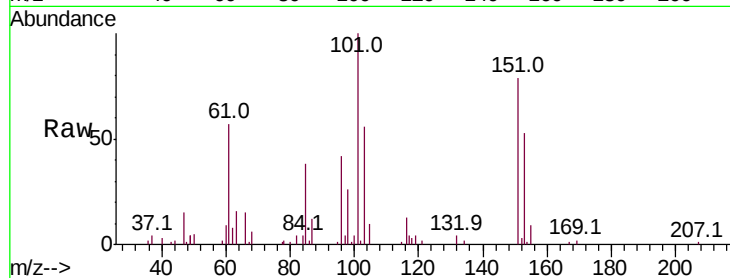
Tot Ion:101 Resp: 53615

Ion Ratio Lower Upper

101 100

85 42.2 34.4 51.6

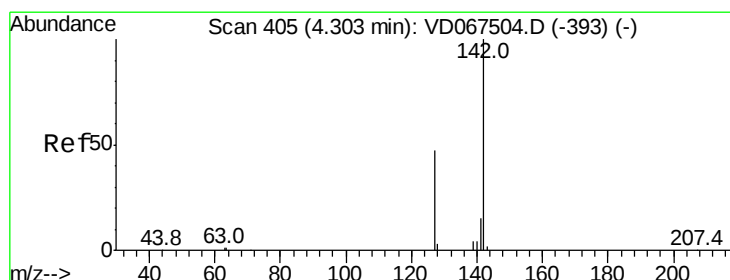
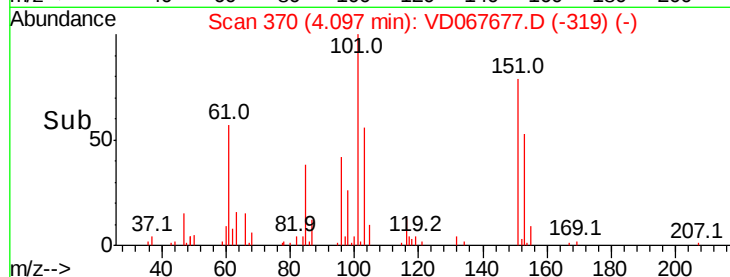
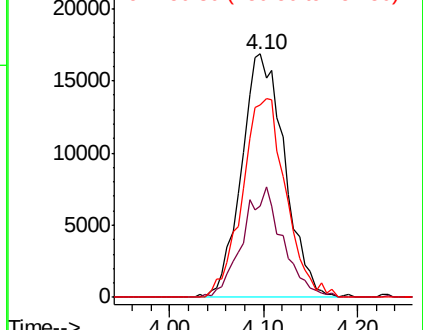
151 82.5 68.1 102.1



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: 18.904 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

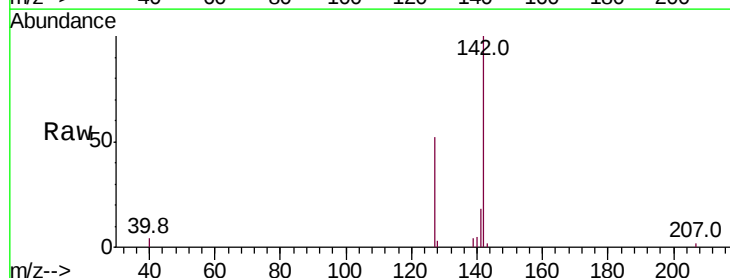
Tgt Ion:142 Resp: 50727

Ion Ratio Lower Upper

142 100

127 50.8 40.0 60.0

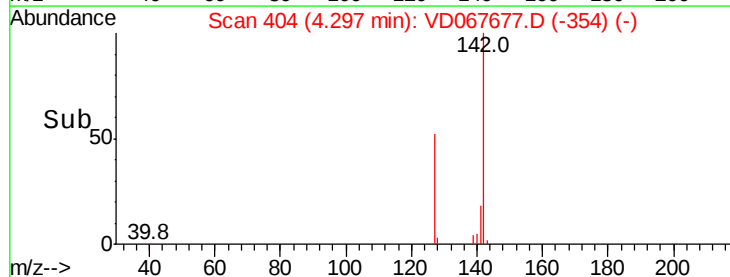
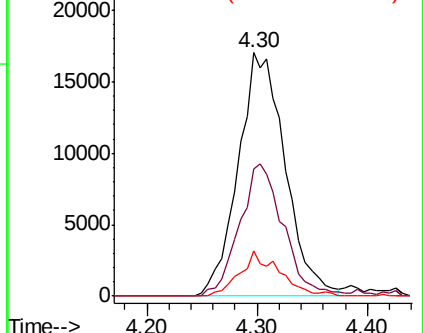
141 15.6 11.7 17.5

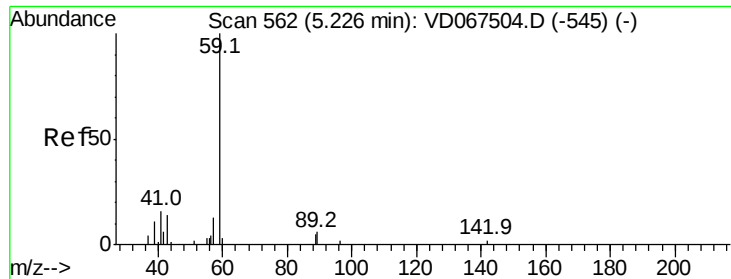


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



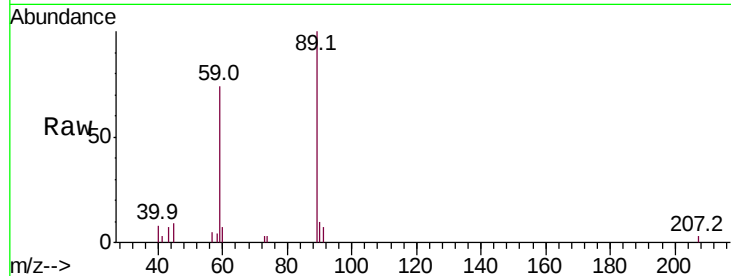


#11

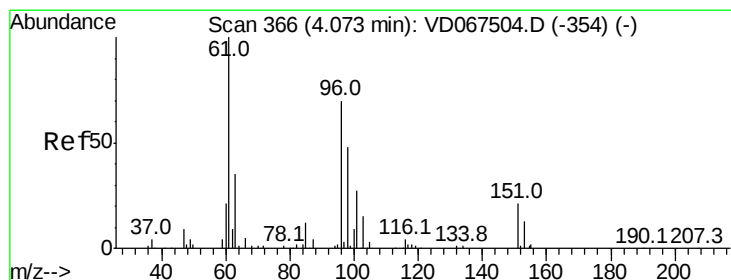
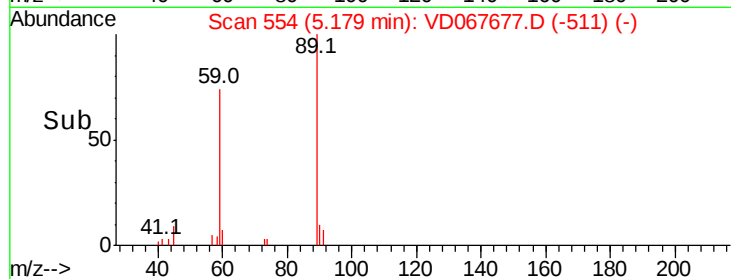
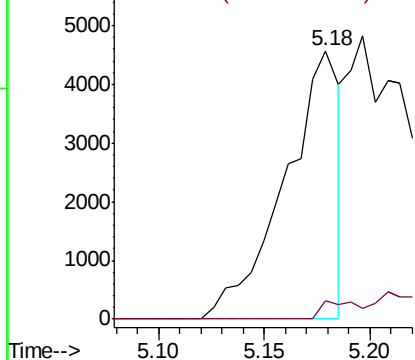
Tert butyl alcohol
Concen: 64.518 ug/l
RT: 5.18 min Scan# 554
Delta R.T. -0.05 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 59 Resp: 8266
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



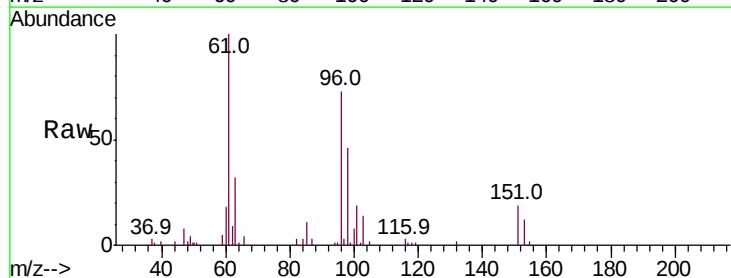
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



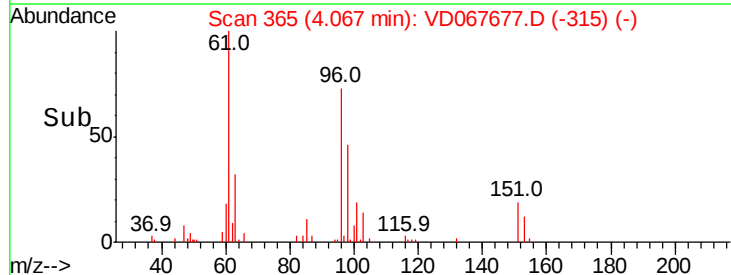
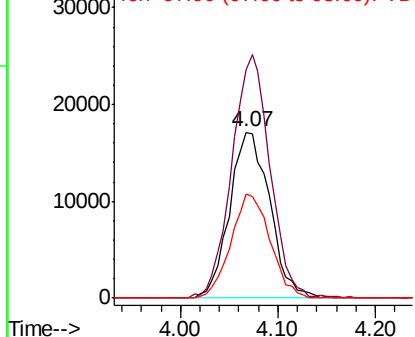
#12

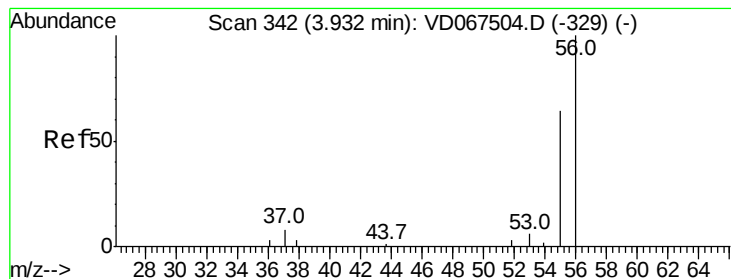
1,1-Dichloroethene
Concen: 21.226 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion: 96 Resp: 48883
Ion Ratio Lower Upper
96 100
61 137.6 114.5 171.7
98 62.8 54.5 81.7



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





#13

Acrolein

Concen: 62.281 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

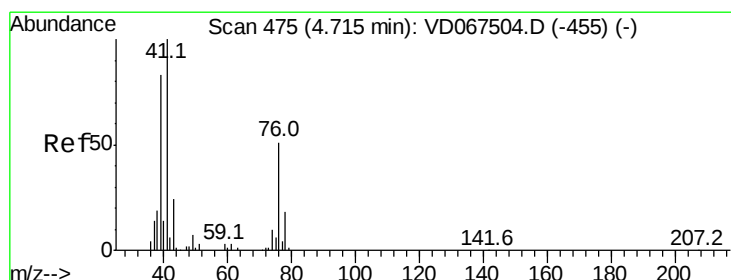
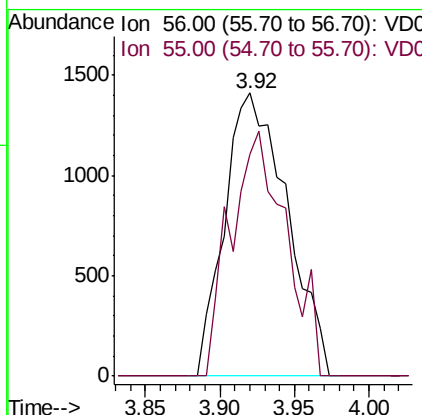
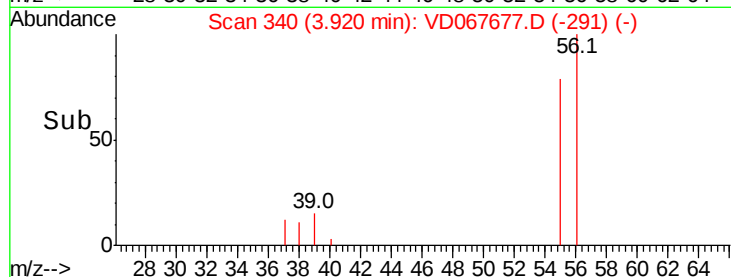
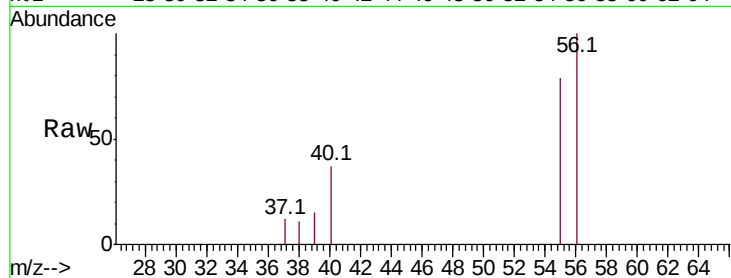
VD1118SBS01

Tot Ion: 56 Resp: 4098

Ion Ratio Lower Upper

56 100

55 77.4 55.8 83.8



#14

Allyl chloride

Concen: 19.832 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

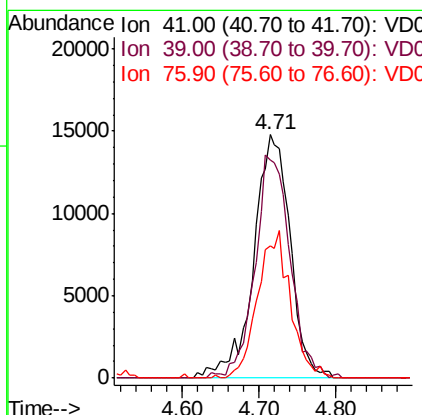
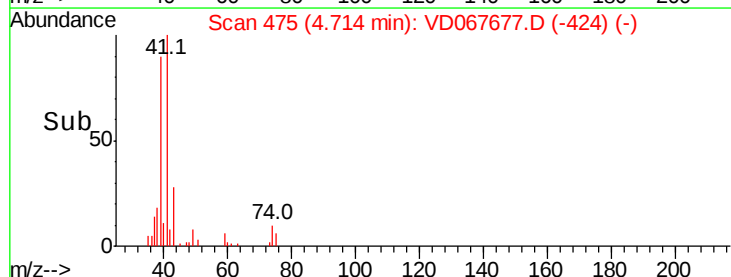
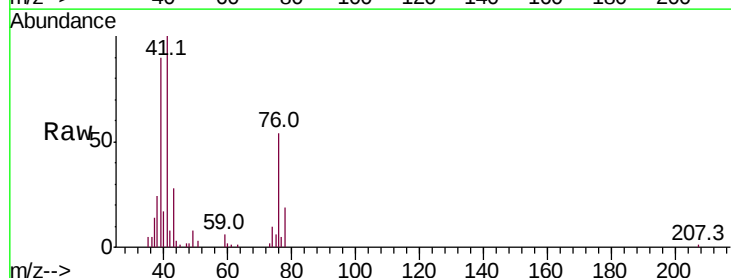
Tgt Ion: 41 Resp: 48881

Ion Ratio Lower Upper

41 100

39 87.9 67.4 101.0

76 54.1 42.2 63.2





#15

Acrylonitrile

Concen: 104.671 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

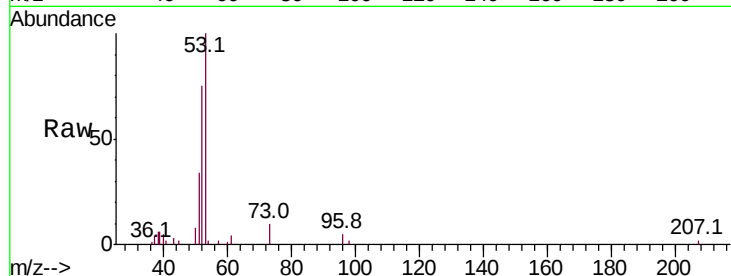
Tot Ion: 53 Resp: 38671

Ion Ratio Lower Upper

53 100

52 81.8 64.8 97.2

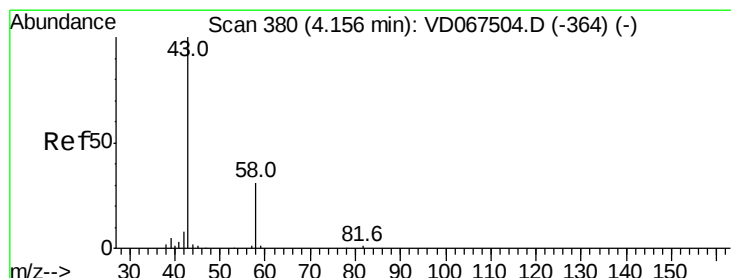
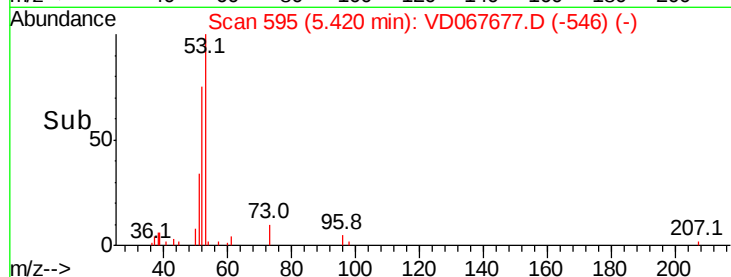
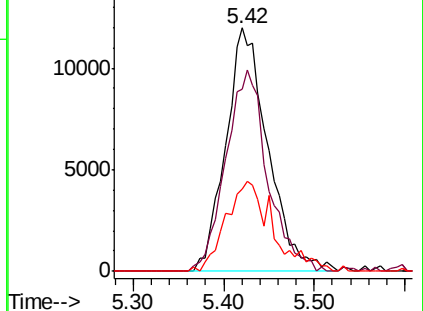
51 40.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 93.359 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067677.D

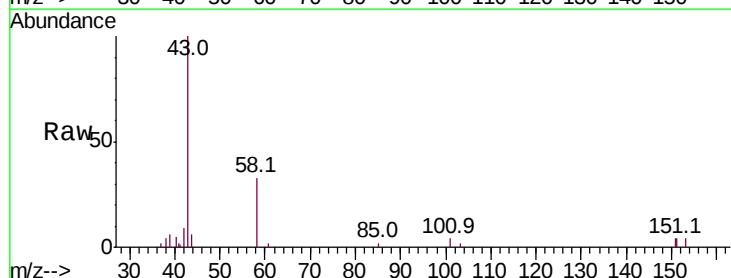
Acq: 18 Nov 2020 11:20

Tgt Ion: 43 Resp: 33706

Ion Ratio Lower Upper

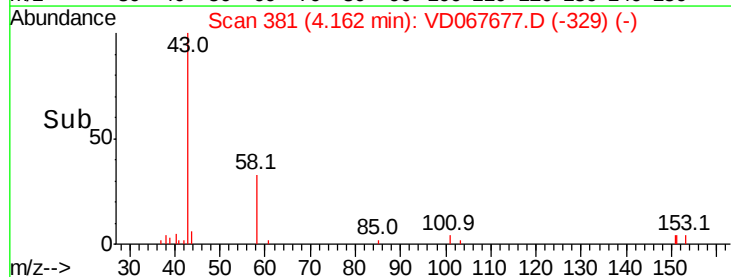
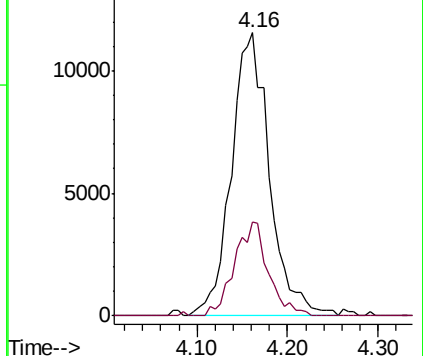
43 100

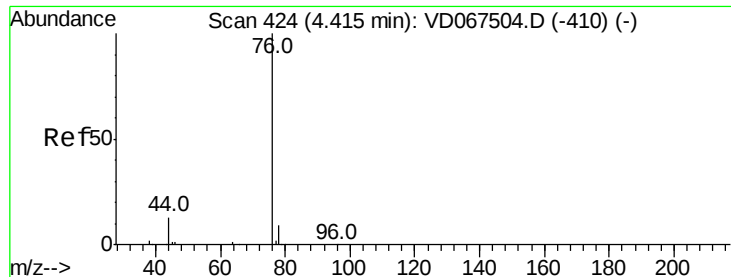
58 33.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

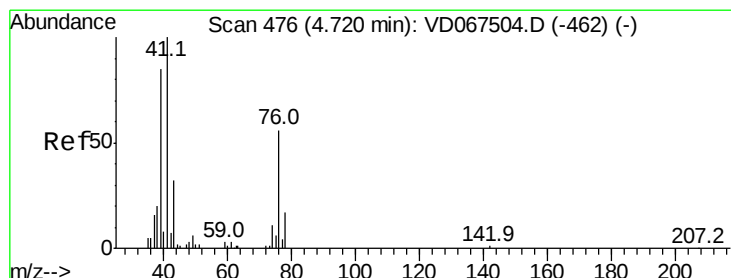
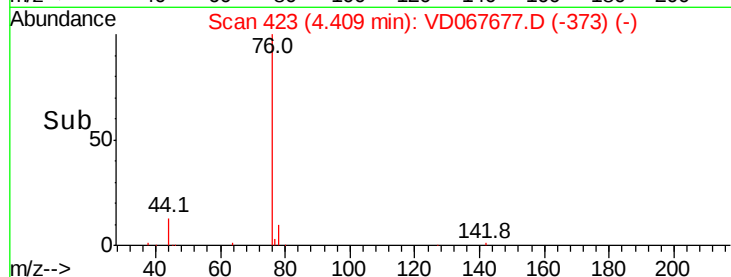
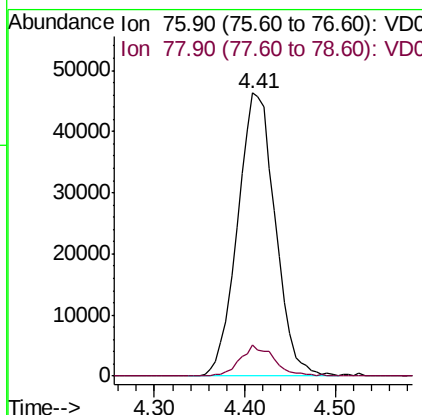
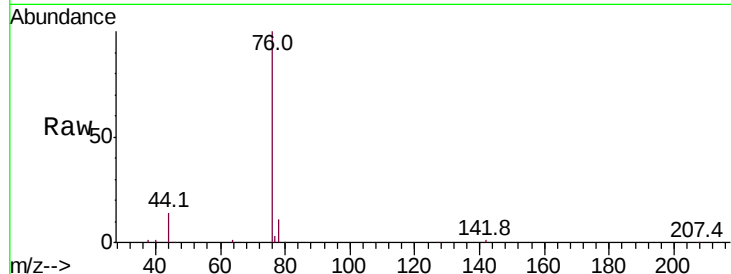




#17
Carbon Disulfide
Concen: 18.880 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

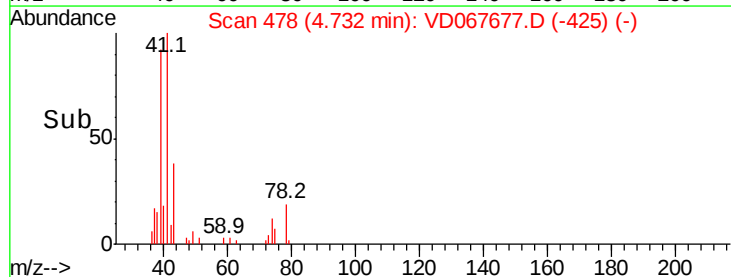
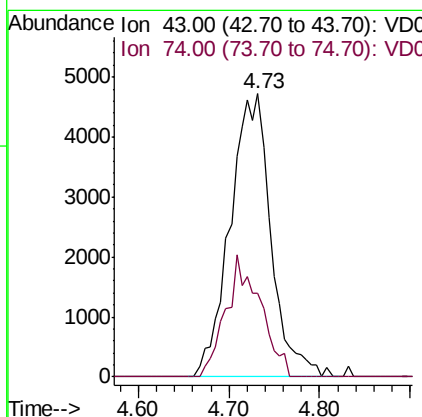
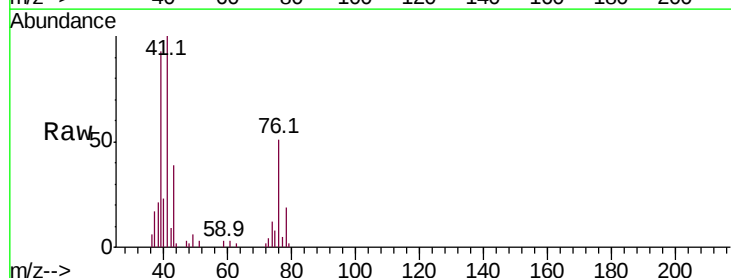
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

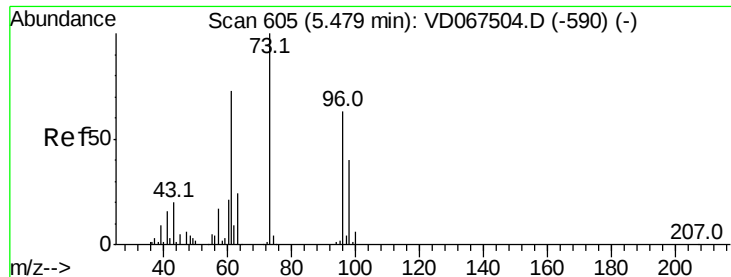
Tot Ion: 76 Resp: 133235
Ion Ratio Lower Upper
76 100
78 10.9 7.2 10.8#



#18
Methyl Acetate
Concen: 19.772 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion: 43 Resp: 14751
Ion Ratio Lower Upper
43 100
74 0.0 27.2 40.8#



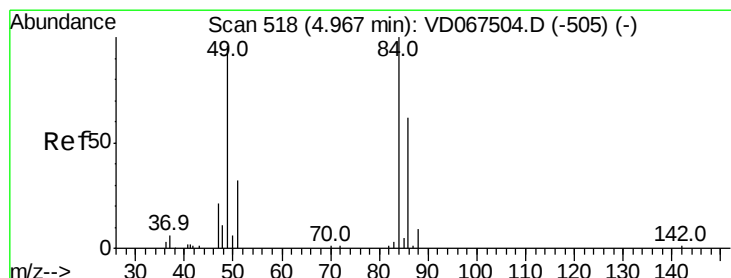
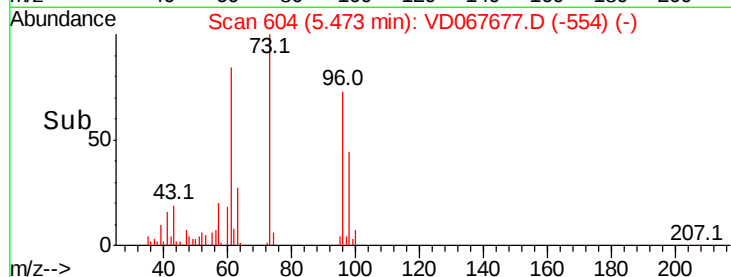
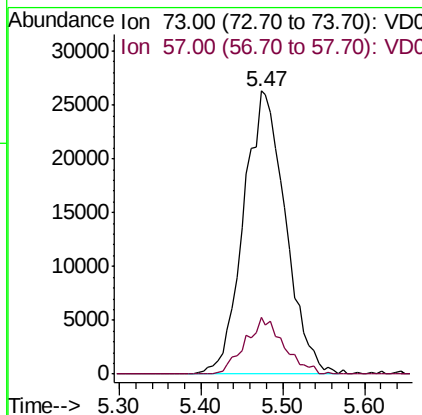
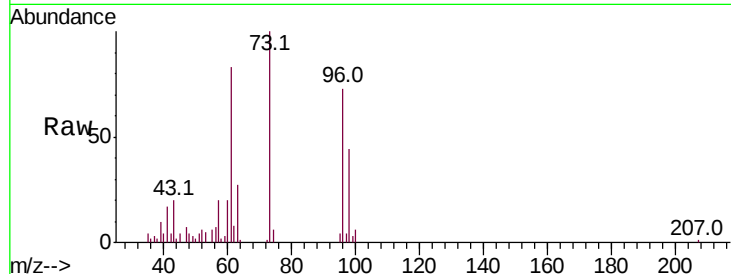


#19

Methyl tert-butyl Ether
 Concen: 20.613 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

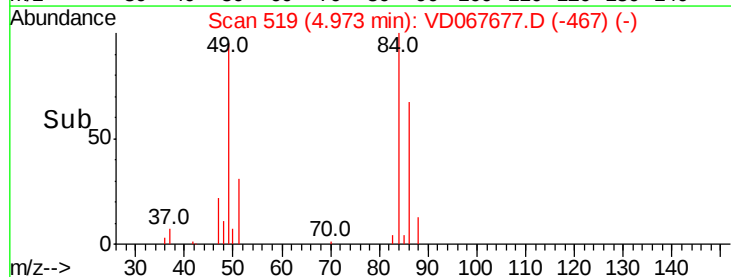
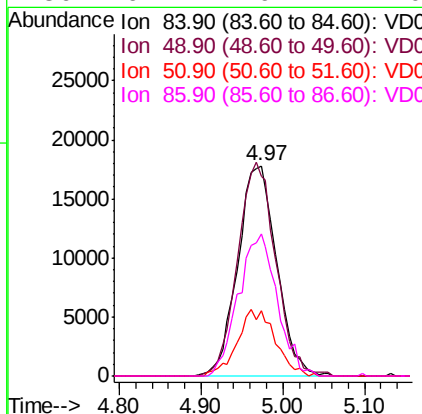
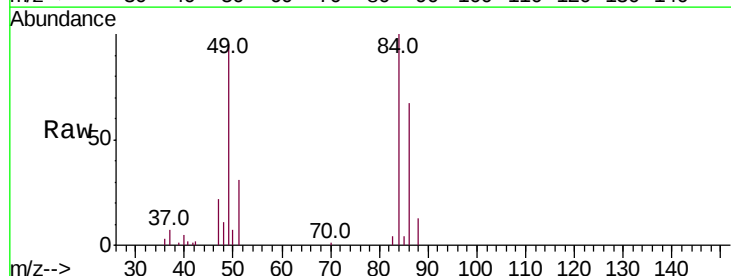
Tot Ion: 73 Resp: 93637
 Ion Ratio Lower Upper
 73 100
 57 20.2 13.4 20.0#

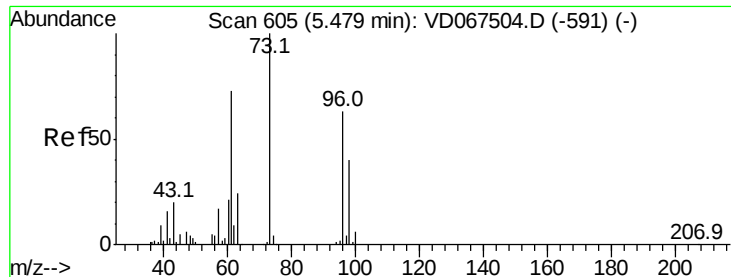


#20

Methylene Chloride
 Concen: 23.076 ug/l
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion: 84 Resp: 58850
 Ion Ratio Lower Upper
 84 100
 49 95.1 77.0 115.4
 51 31.1 25.4 38.2
 86 67.4 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.919 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

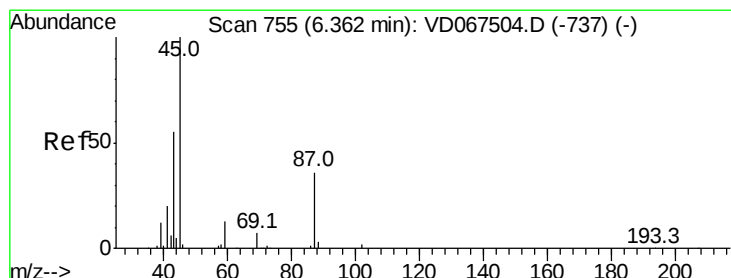
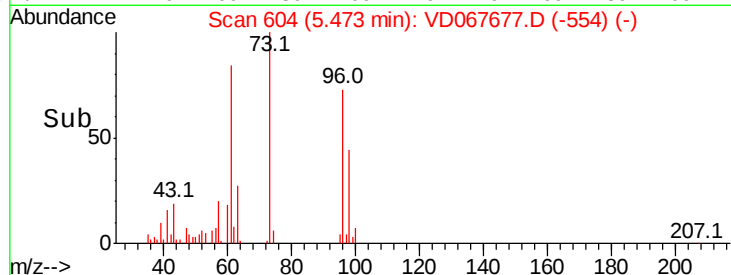
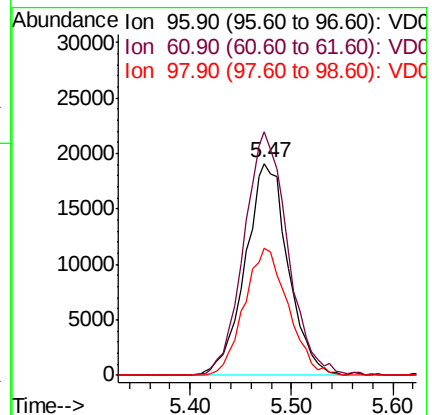
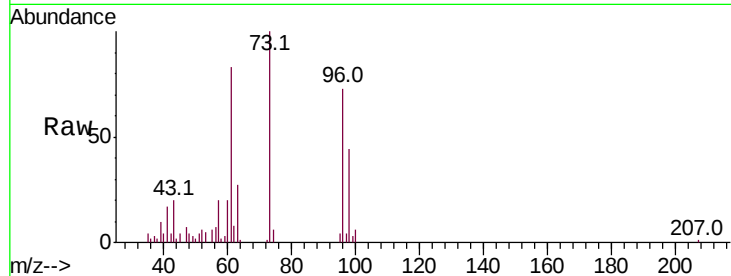
Tot Ion: 96 Resp: 56113

Ion Ratio Lower Upper

96 100

61 115.0 93.0 139.6

98 60.1 50.9 76.3



#22

Diisopropyl ether

Concen: 21.125 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Tgt Ion: 45 Resp: 101464

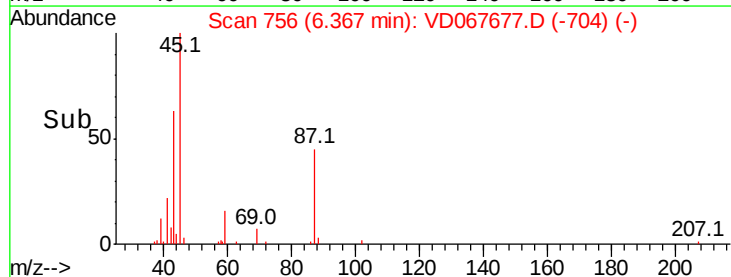
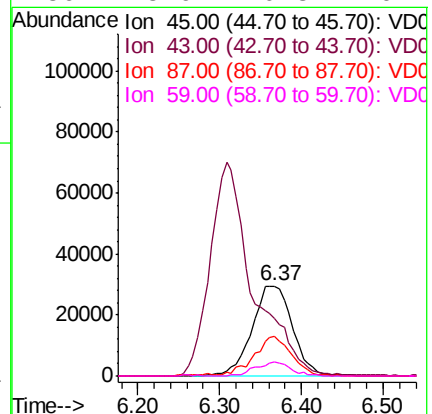
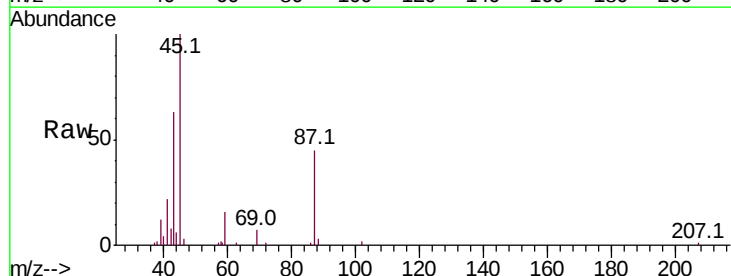
Ion Ratio Lower Upper

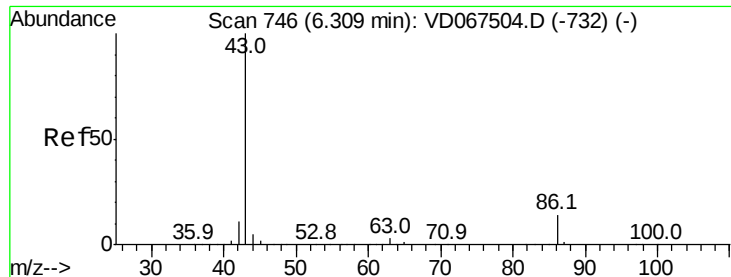
45 100

43 61.0 46.2 69.4

87 44.6 29.4 44.2#

59 15.9 10.8 16.2





#23

Vinyl Acetate

Concen: 101.755 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

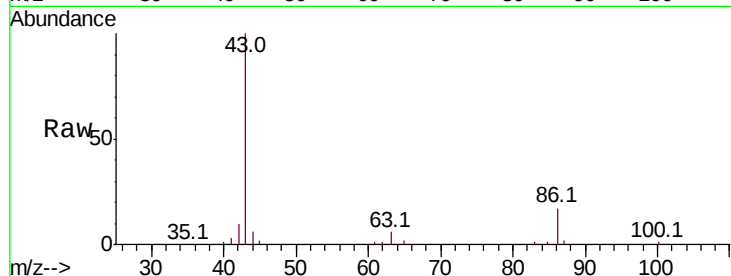
VD1118SBS01

Tot Ion: 43 Resp: 255832

Ion Ratio Lower Upper

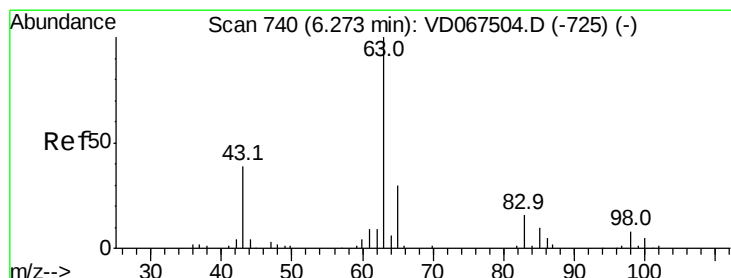
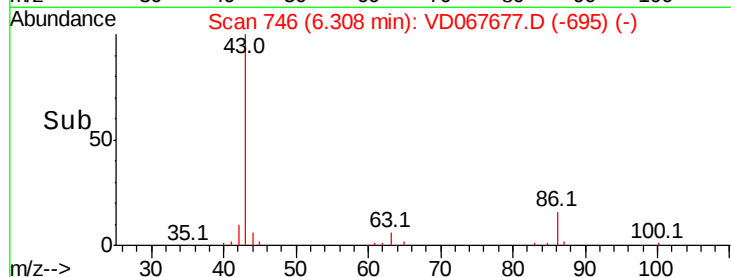
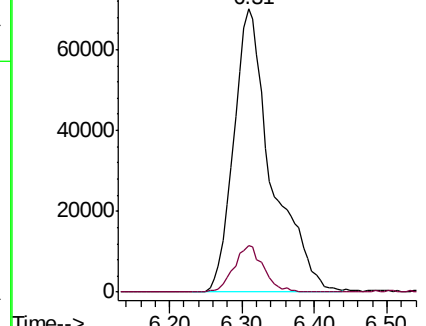
43 100

86 16.6 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.048 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

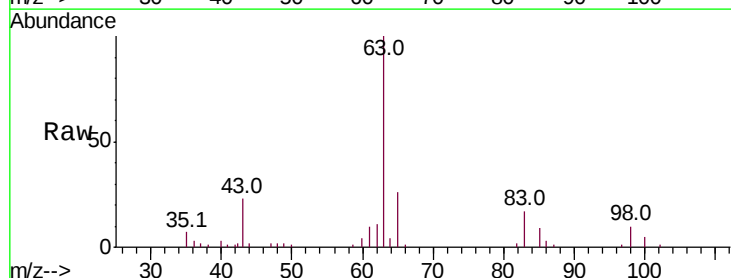
Tgt Ion: 63 Resp: 82706

Ion Ratio Lower Upper

63 100

98 10.2 3.9 11.5

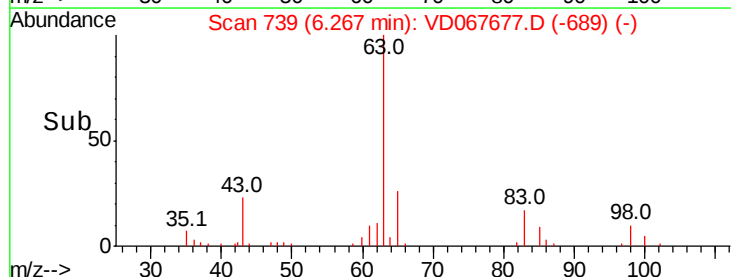
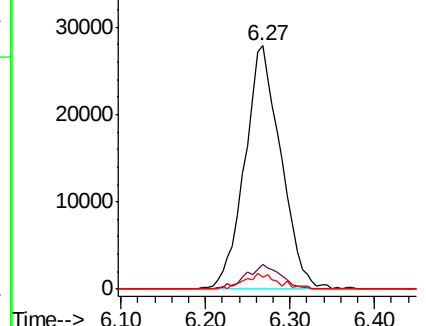
100 4.9 2.6 7.8

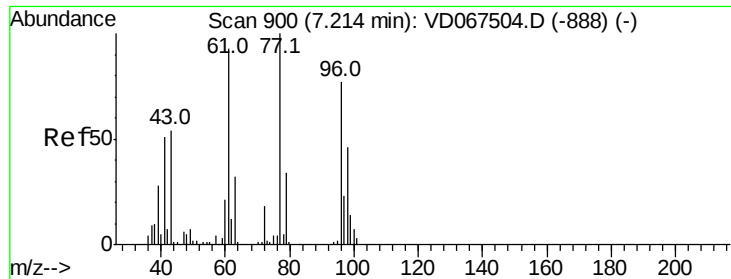


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 100.027 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

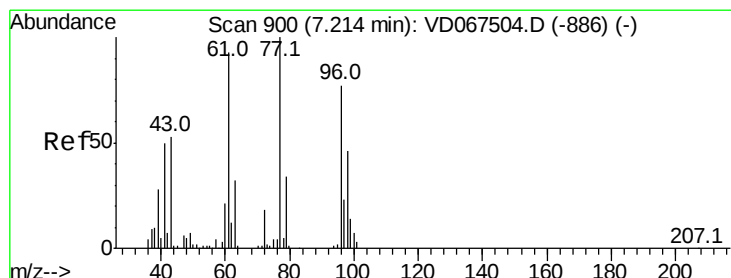
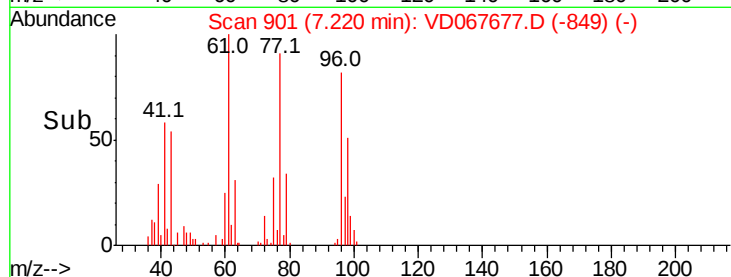
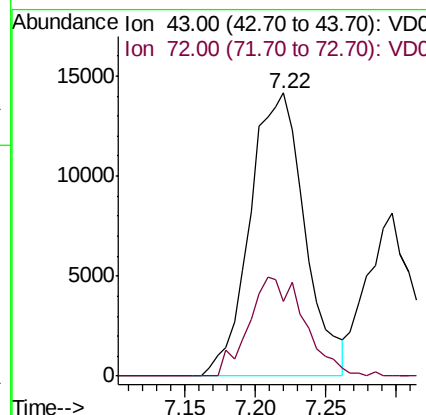
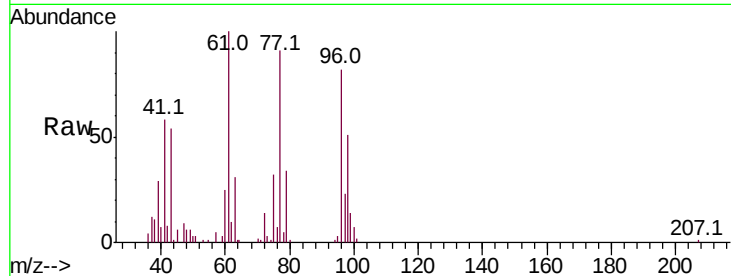
VD1118SBS01

Tot Ion: 43 Resp: 38588

Ion Ratio Lower Upper

43 100

72 26.2 26.4 39.6#



#26

2,2-Dichloropropane

Concen: 21.740 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067677.D

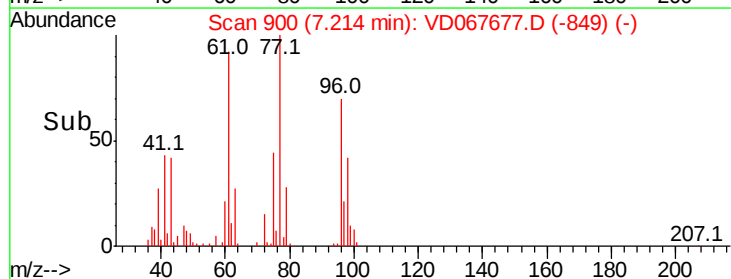
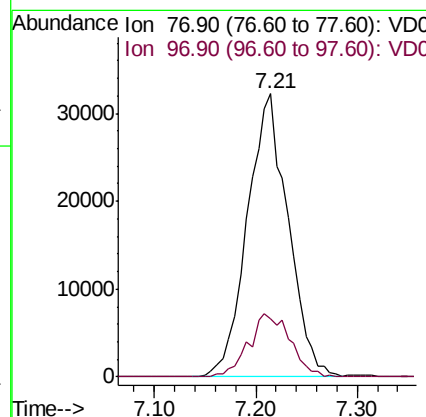
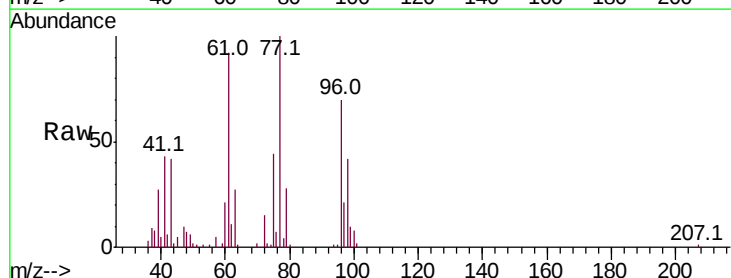
Acq: 18 Nov 2020 11:20

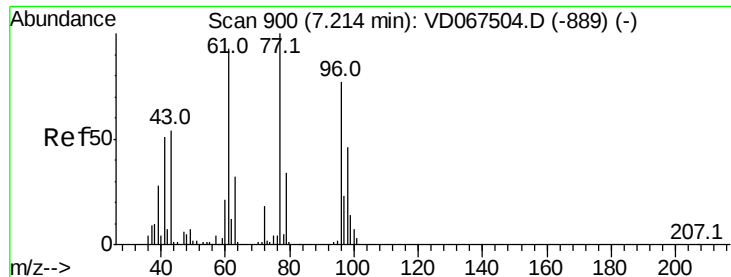
Tgt Ion: 77 Resp: 90155

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 21.665 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

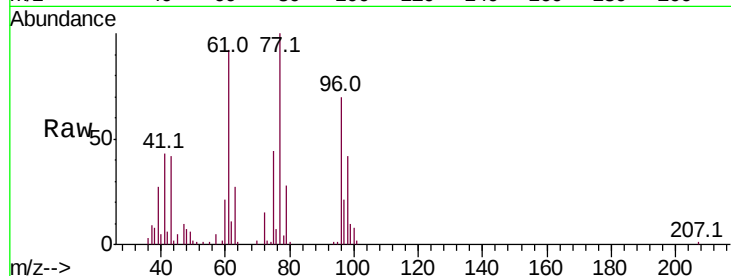
Tot Ion: 96 Resp: 60320

Ion Ratio Lower Upper

96 100

61 127.6 0.0 251.6

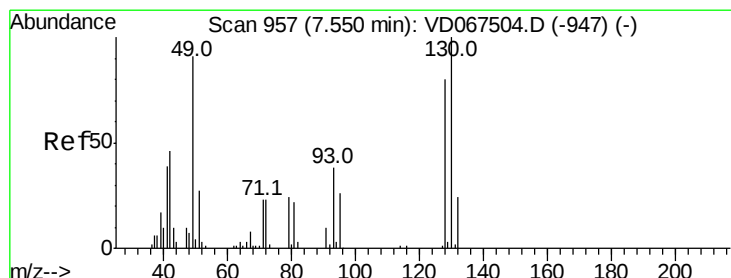
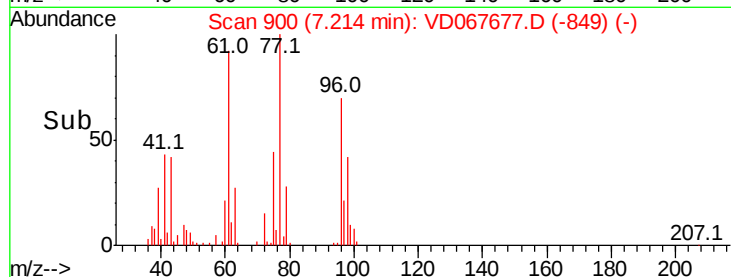
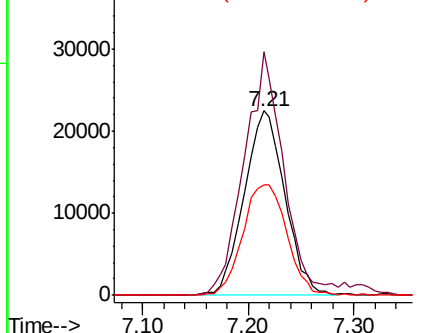
98 64.6 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 19.353 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

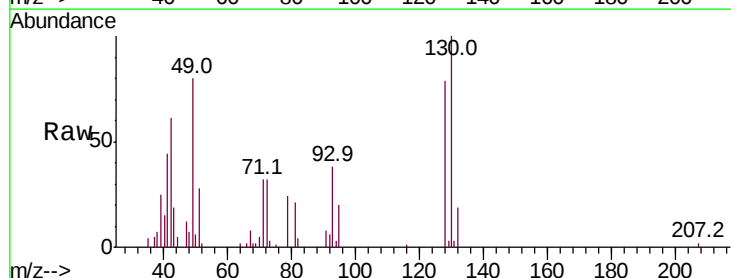
Tgt Ion: 49 Resp: 27049

Ion Ratio Lower Upper

49 100

129 1.2 0.0 6.4

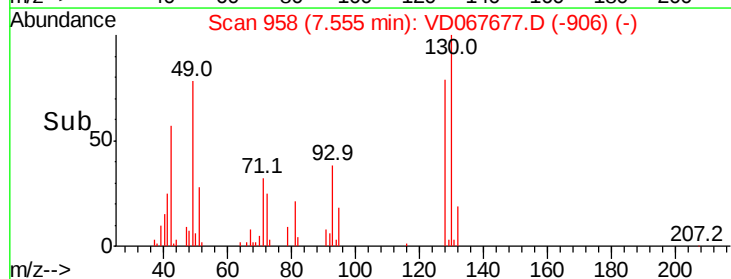
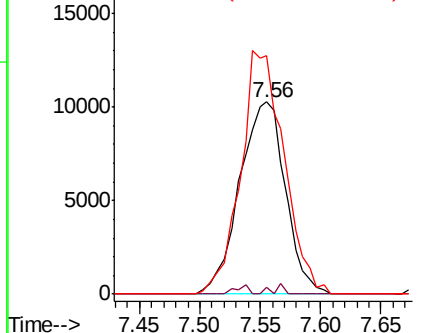
130 0.0 94.6 142.0#

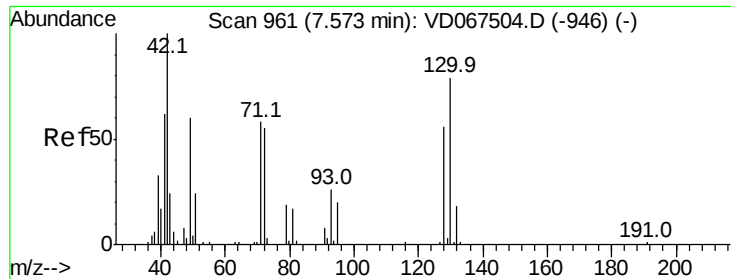


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

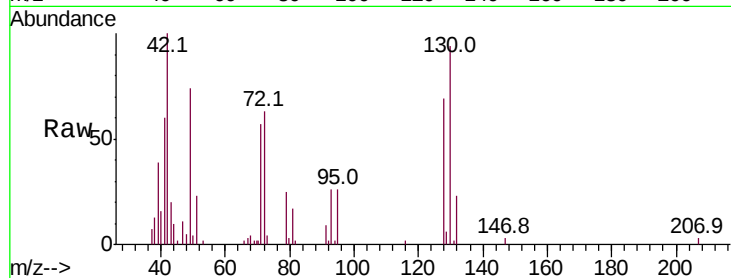




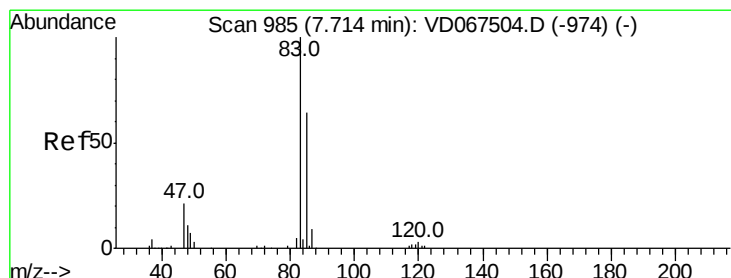
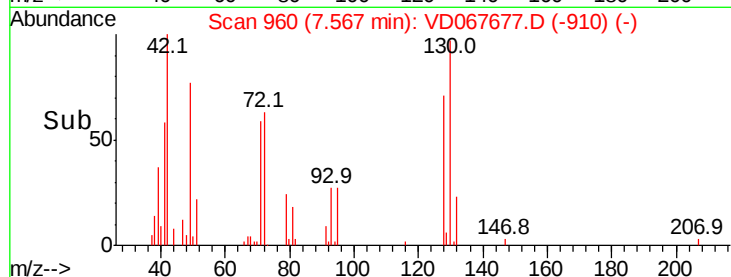
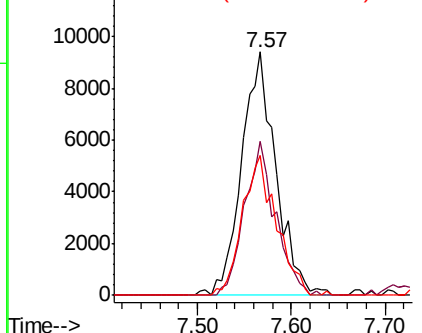
#29
Tetrahydrofuran
Concen: 102.635 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 42 Resp: 23717
Ion Ratio Lower Upper
42 100
72 57.1 46.3 69.5
71 56.8 44.0 66.0

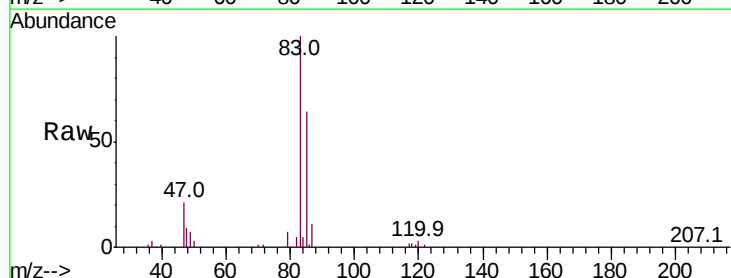


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

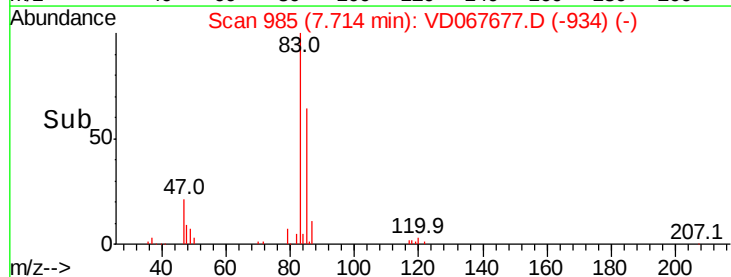
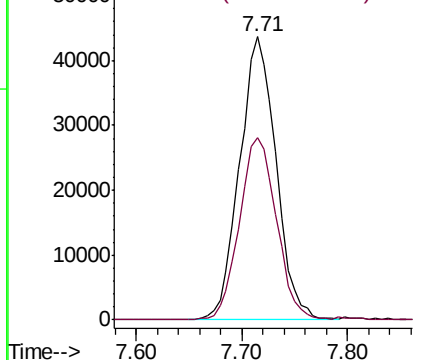


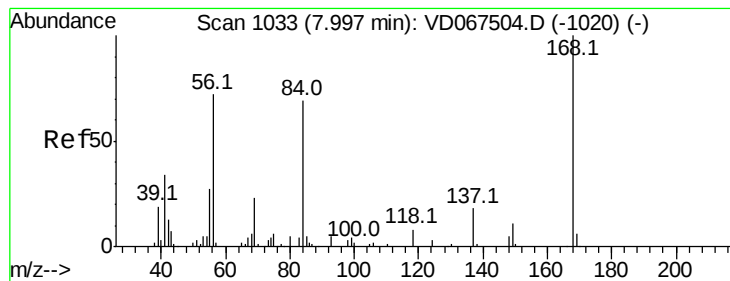
#30
Chloroform
Concen: 22.347 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion: 83 Resp: 104756
Ion Ratio Lower Upper
83 100
85 64.5 51.5 77.3



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





#31

Cyclohexane

Concen: 19.082 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

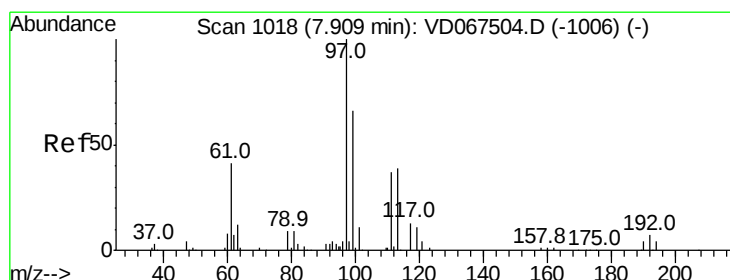
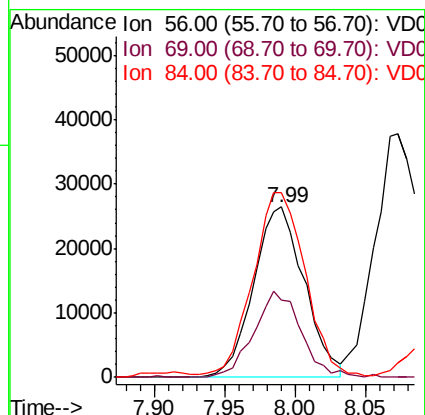
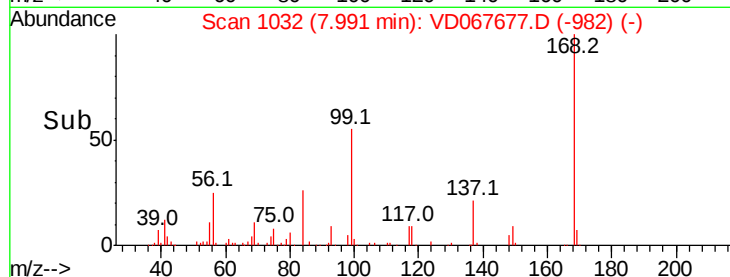
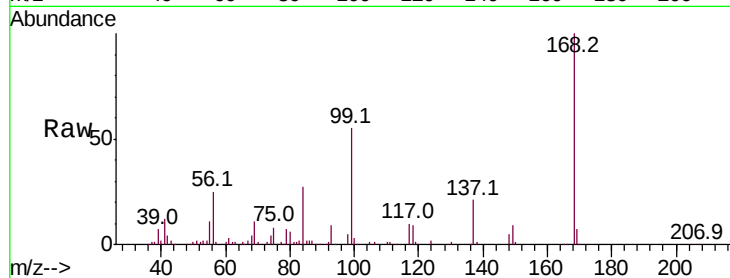
Tot Ion: 56 Resp: 66772

Ion Ratio Lower Upper

56 100

69 45.7 25.9 38.9#

84 107.3 76.2 114.4



#32

1,1,1-Trichloroethane

Concen: 21.301 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

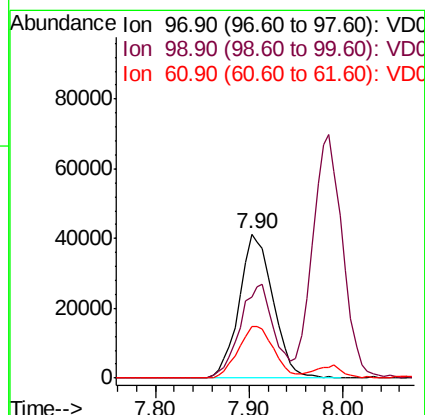
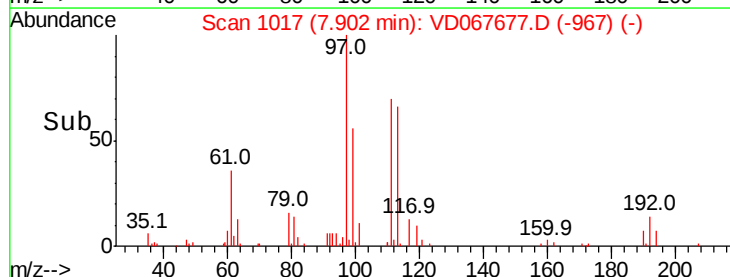
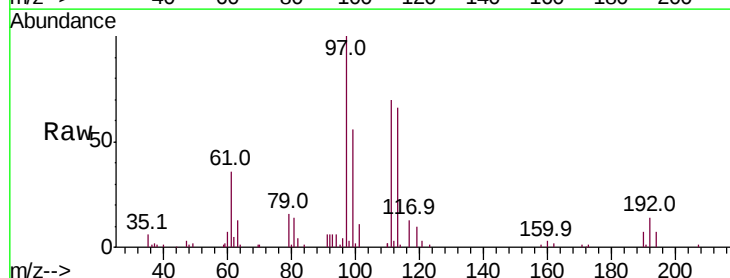
Tgt Ion: 97 Resp: 103028

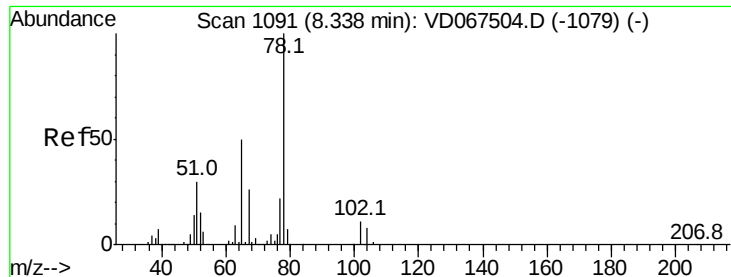
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.6

61 37.9 30.5 45.7

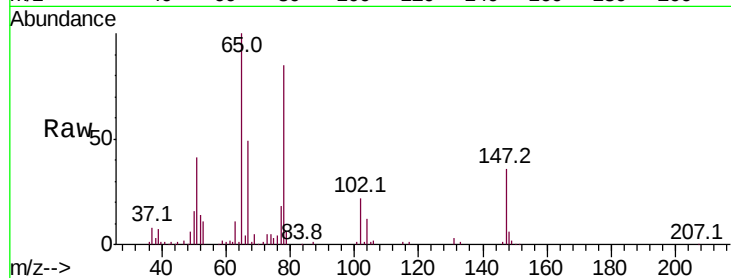




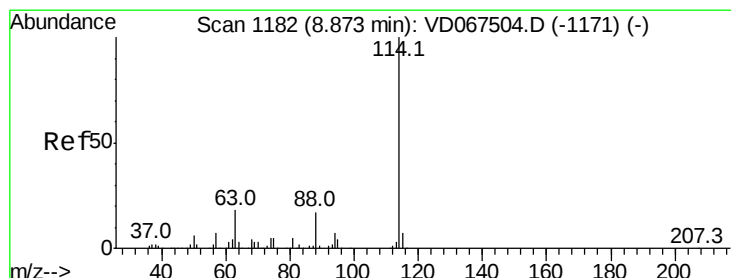
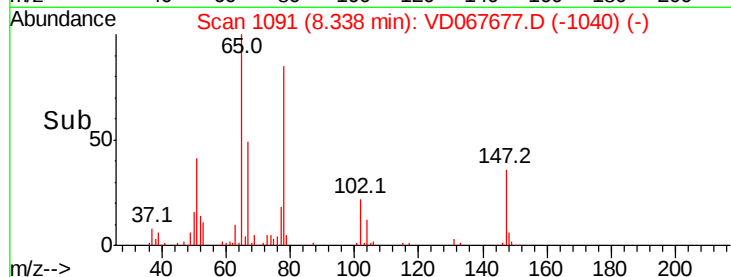
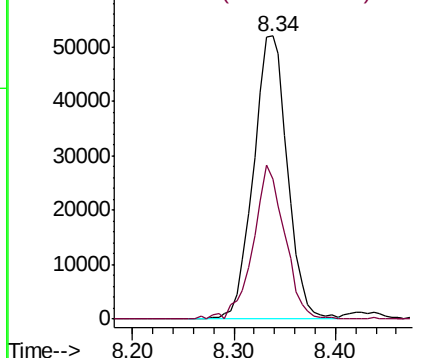
#33
 1,2-Dichloroethane-d4
 Concen: 50.007 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

Tot Ion: 65 Resp: 120647
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 99.4

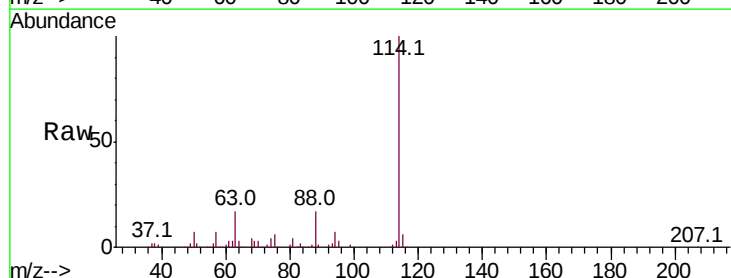


Abundance Ion 64.90 (64.60 to 65.60): VDC
 Ion 66.90 (66.60 to 67.60): VDC

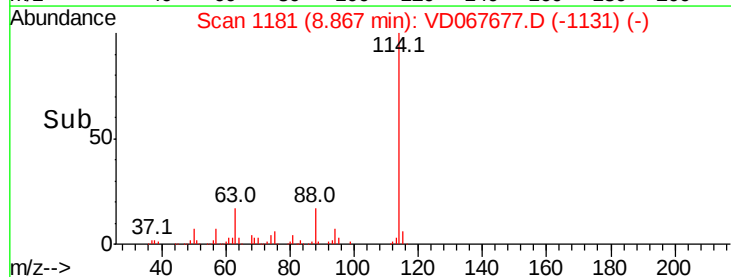
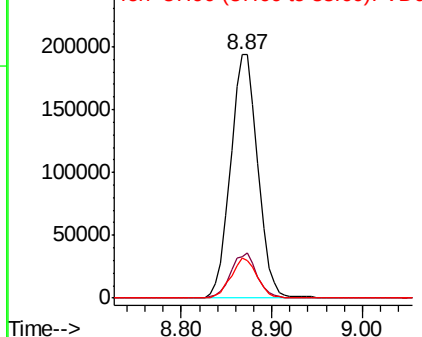


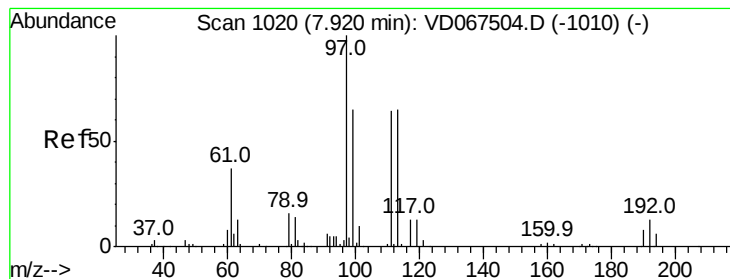
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion: 114 Resp: 406475
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.0
 88 16.5 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VDC
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.392 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBSD01

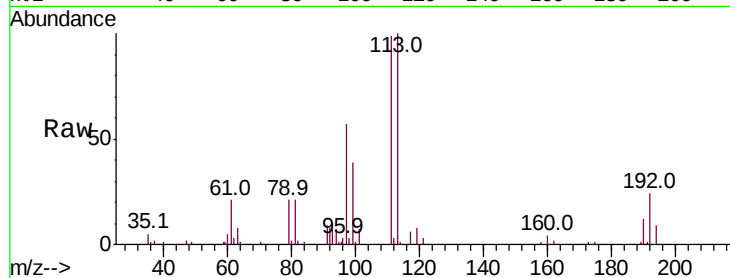
Tot Ion:113 Resp: 123409

Ion Ratio Lower Upper

113 100

111 100.7 80.0 120.0

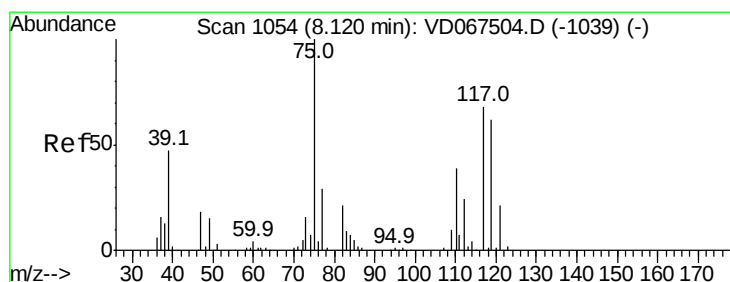
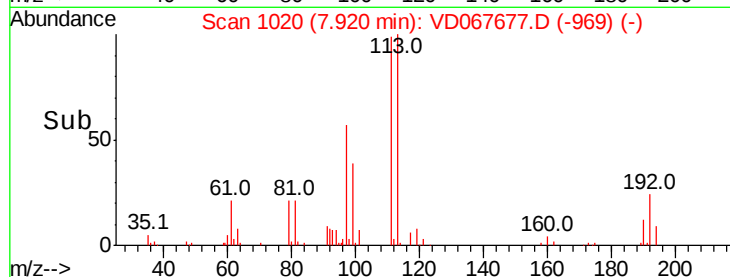
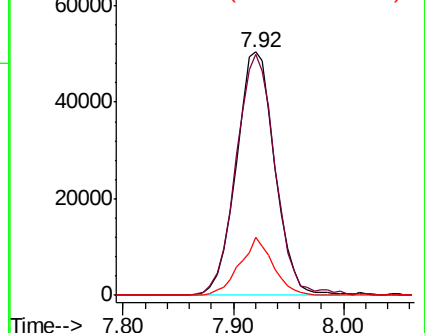
192 20.6 16.3 24.5



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: 21.347 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

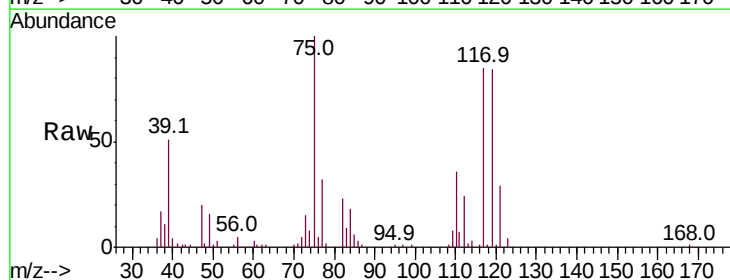
Tgt Ion: 75 Resp: 74273

Ion Ratio Lower Upper

75 100

110 38.0 19.9 59.7

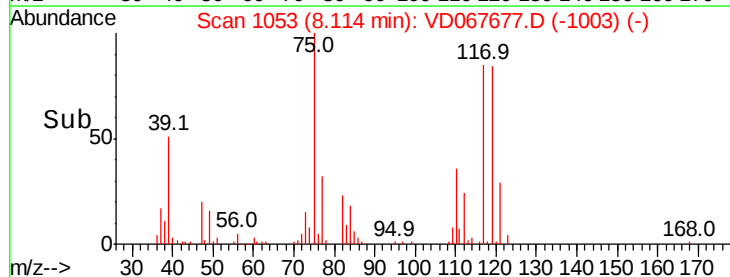
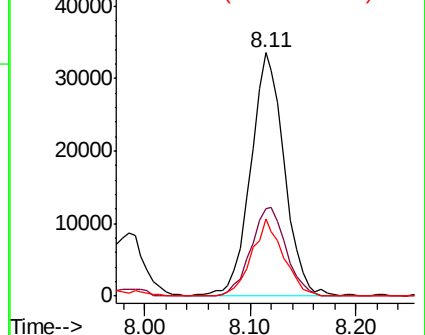
77 30.0 24.8 37.2

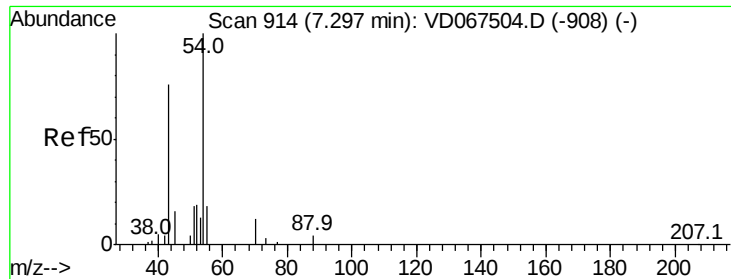


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

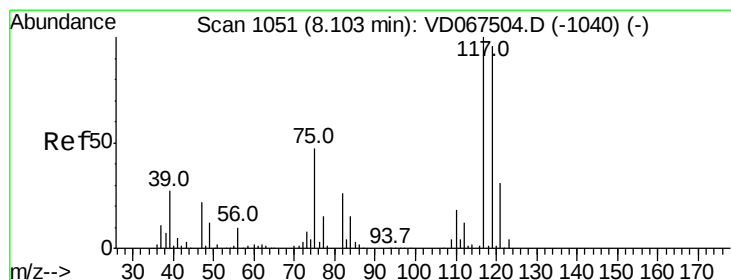
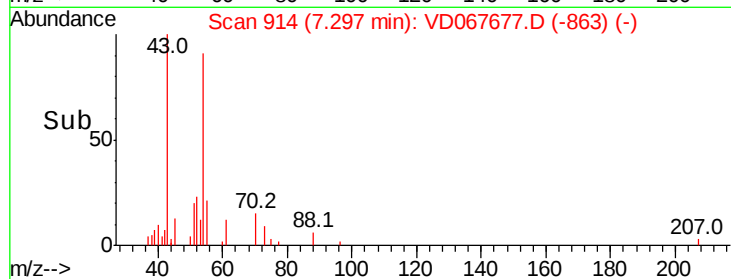
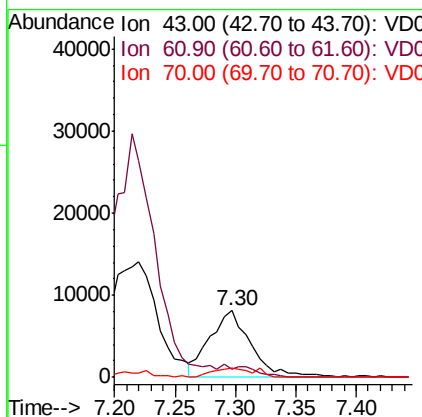
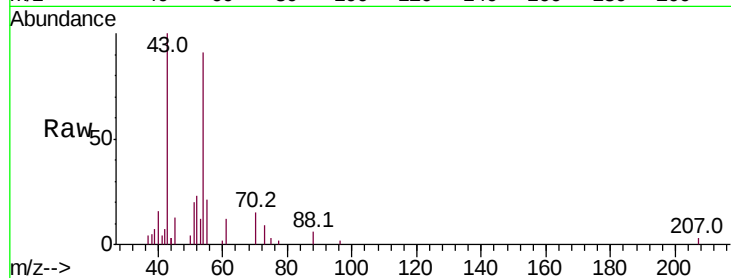




#37
Ethyl Acetate
Concen: 21.544 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

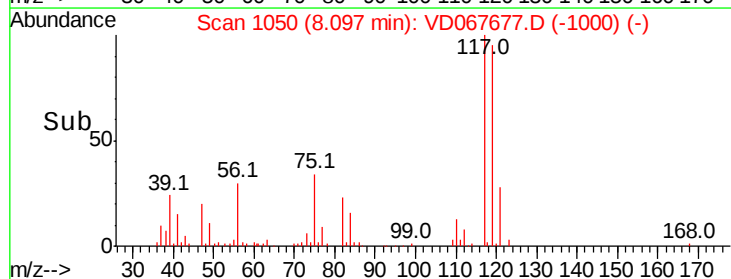
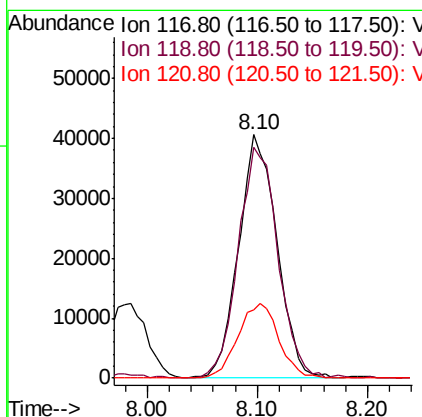
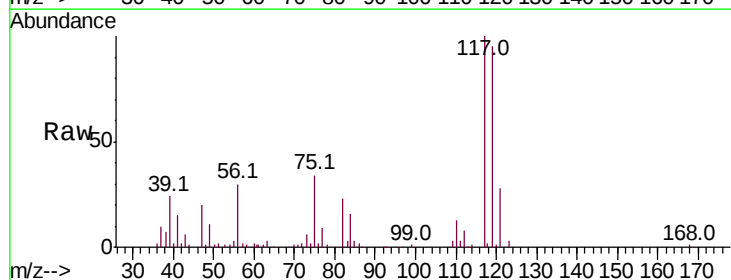
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

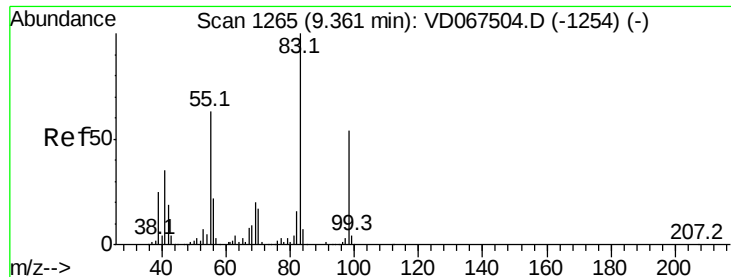
Tot Ion: 43 Resp: 19461
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 14.2 11.7 17.5



#38
Carbon Tetrachloride
Concen: 21.911 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion: 117 Resp: 99052
Ion Ratio Lower Upper
117 100
119 94.6 76.9 115.3
121 28.2 24.5 36.7

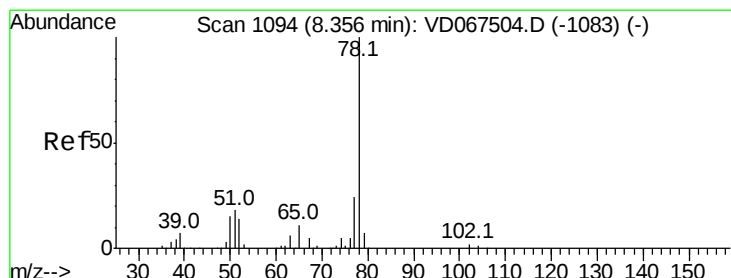
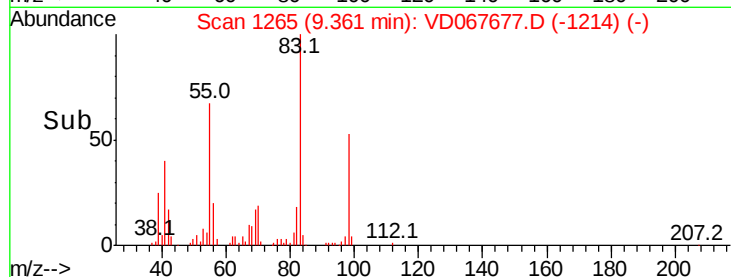
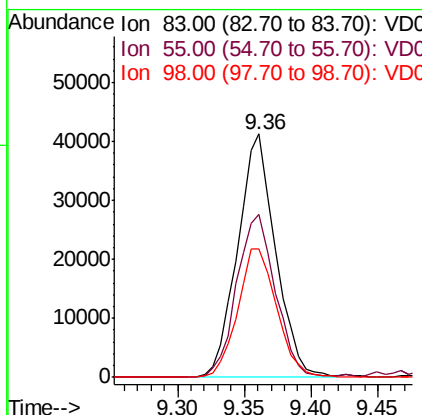
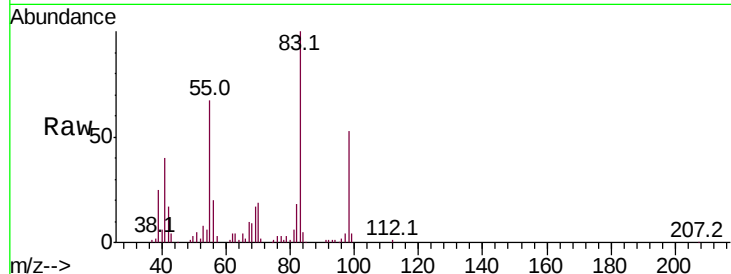




#39
Methvlcvclohexane
Concen: 19.834 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

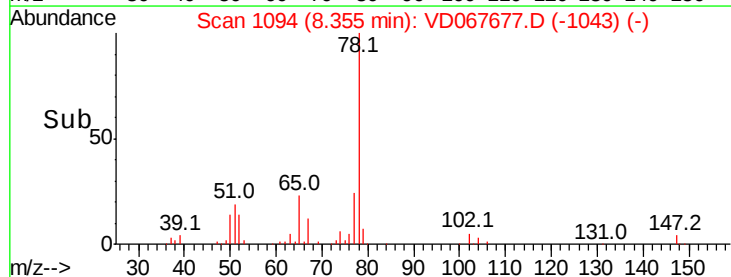
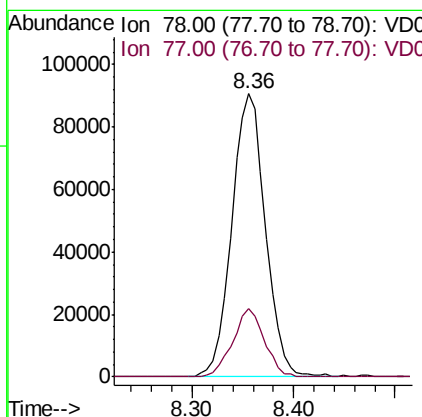
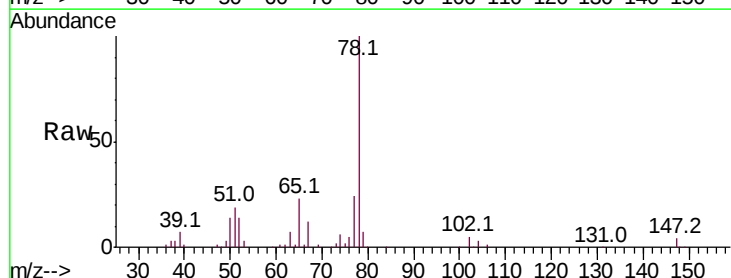
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

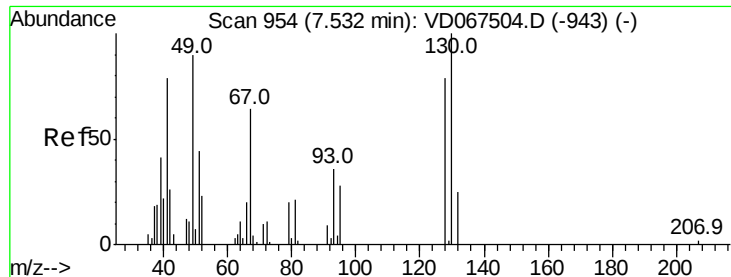
Tot Ion	83	Resp	81221
Ion Ratio	Lower	Upper	
83	100		
55	66.8	50.5	75.7
98	52.5	43.4	65.0



#40
Benzene
Concen: 22.048 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion	78	Resp	207799
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.1	28.7





#41

Methacrylonitrile

Concen: 47.781 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.04 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 41 Resp: 25799

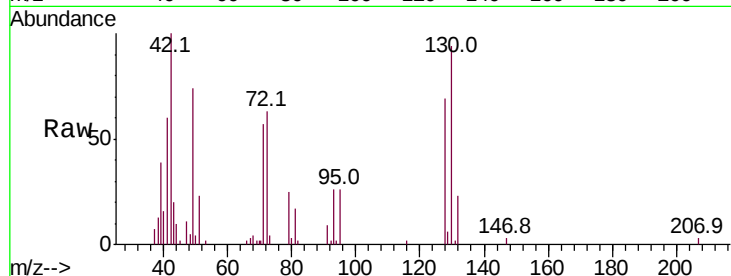
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

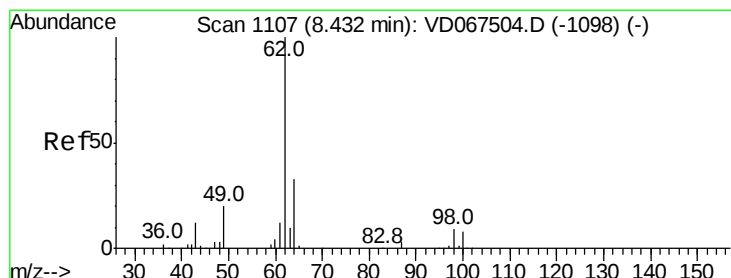
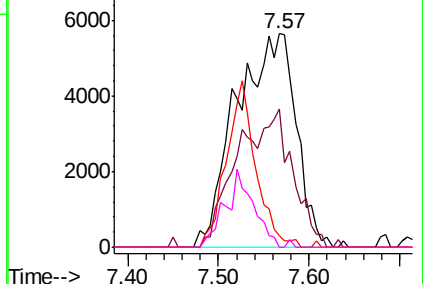
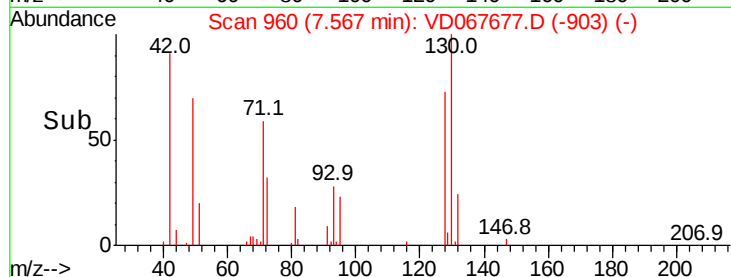


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.396 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067677.D

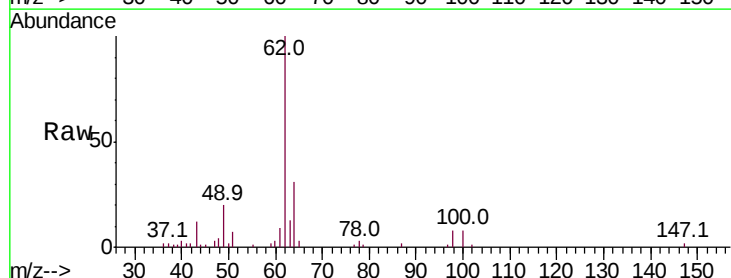
Acq: 18 Nov 2020 11:20

Tgt Ion: 62 Resp: 65215

Ion Ratio Lower Upper

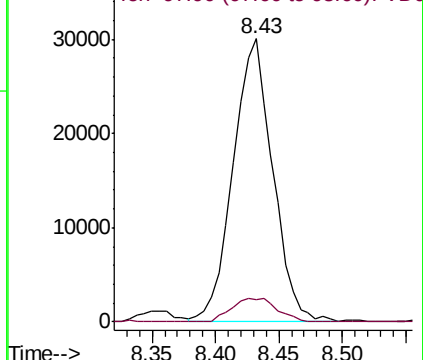
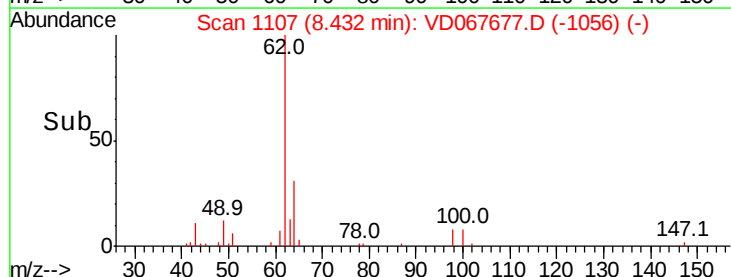
62 100

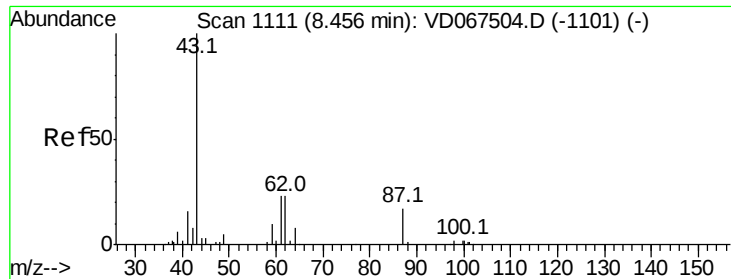
98 9.5 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.180 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

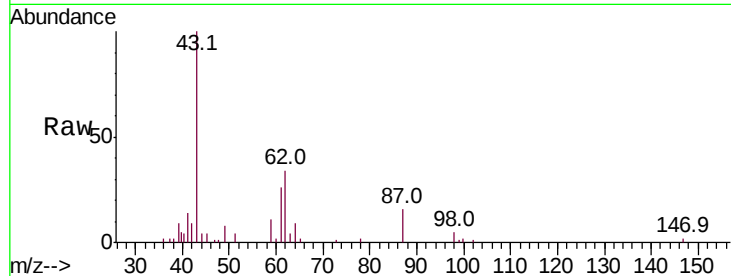
Tot Ion: 43 Resp: 37838

Ion Ratio Lower Upper

43 100

61 37.6 30.5 45.7

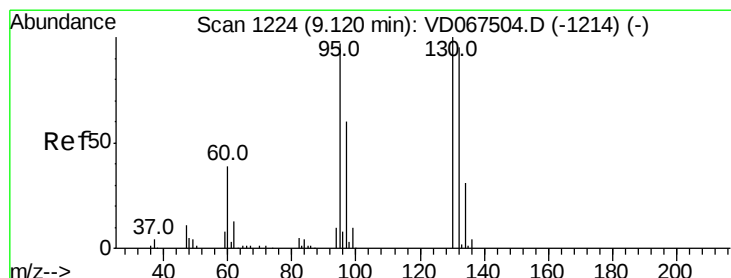
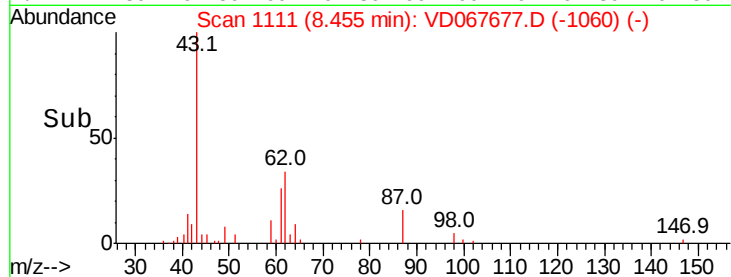
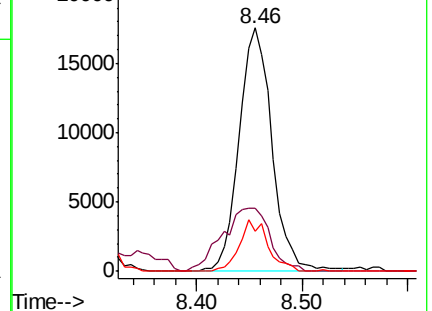
87 18.1 14.7 22.1



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: 21.275 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD067677.D

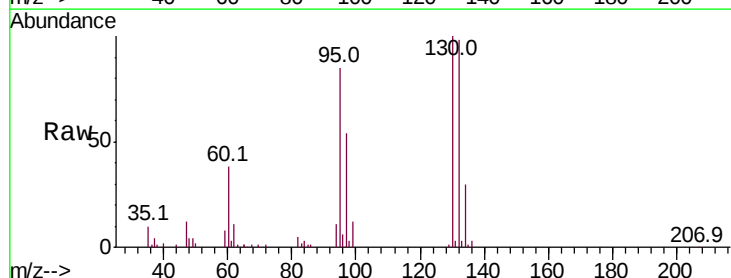
Acq: 18 Nov 2020 11:20

Tgt Ion:130 Resp: 65929

Ion Ratio Lower Upper

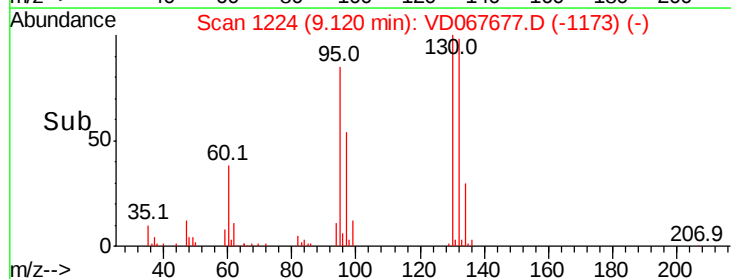
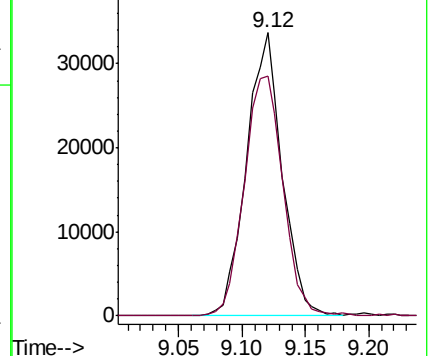
130 100

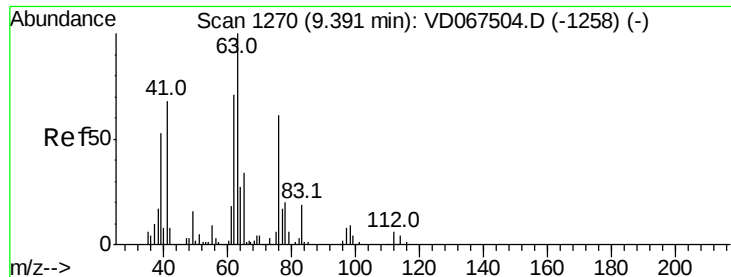
95 84.9 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

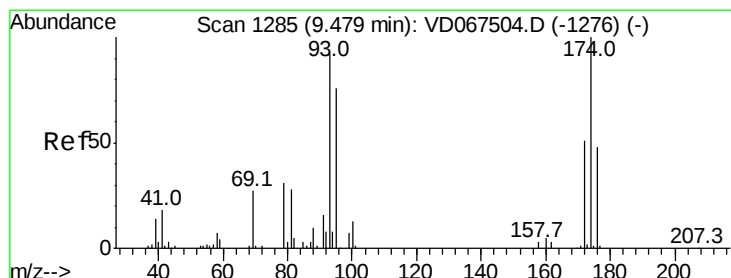
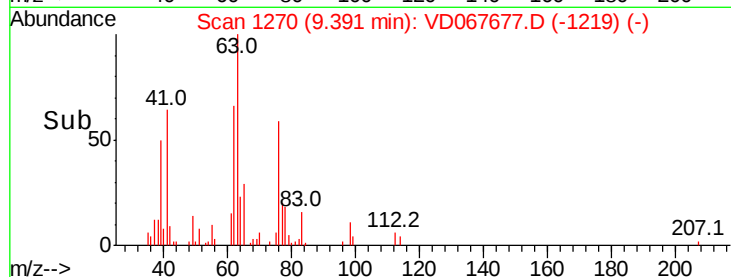
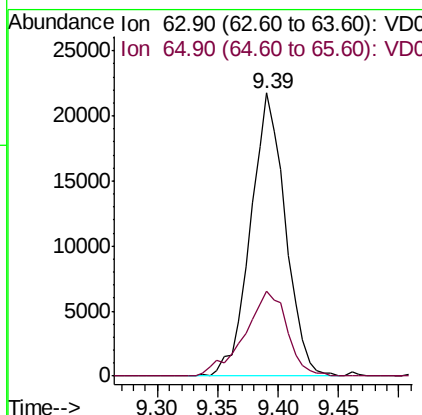
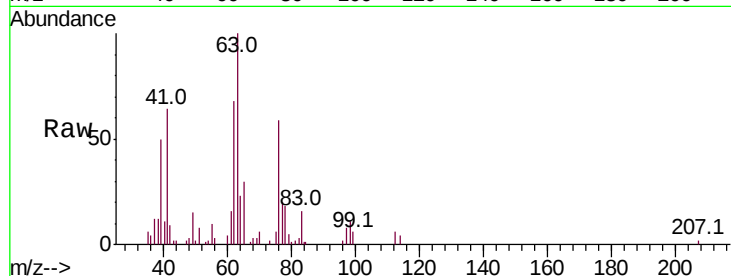




#45
 1,2-Dichloropropane
 Concen: 21.353 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

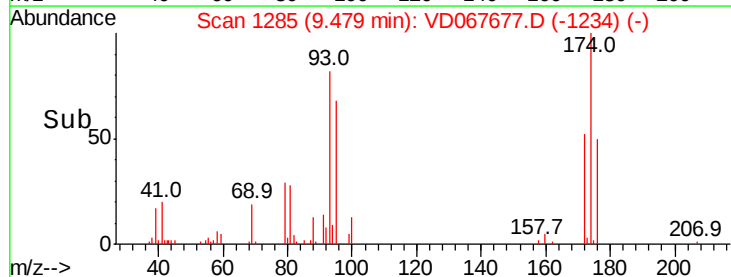
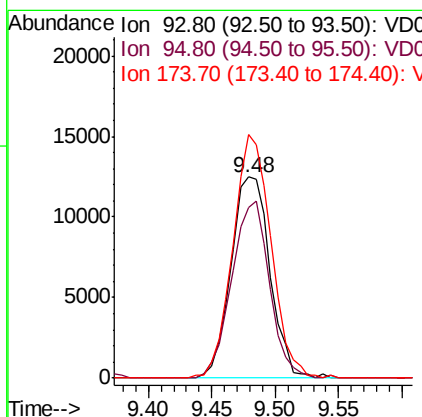
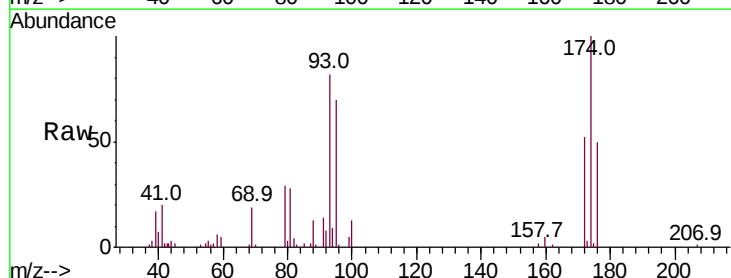
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

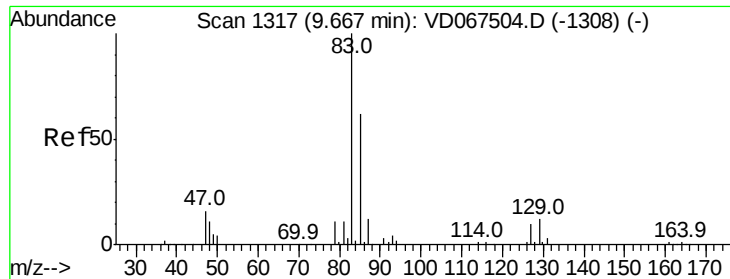
Tot Ion: 63 Resp: 43511
 Ion Ratio Lower Upper
 63 100
 65 29.9 26.9 40.3



#46
 Dibromomethane
 Concen: 20.541 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion: 93 Resp: 26614
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.4 99.6
 174 118.8 88.2 132.4





#47

Bromodichloromethane

Concen: 21.846 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

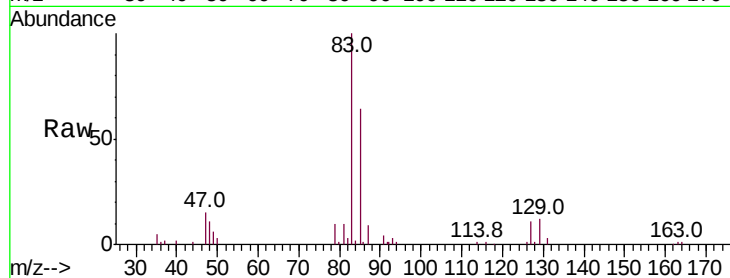
Tot Ion: 83 Resp: 76930

Ion Ratio Lower Upper

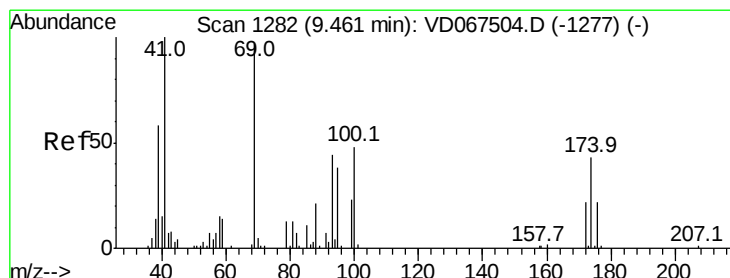
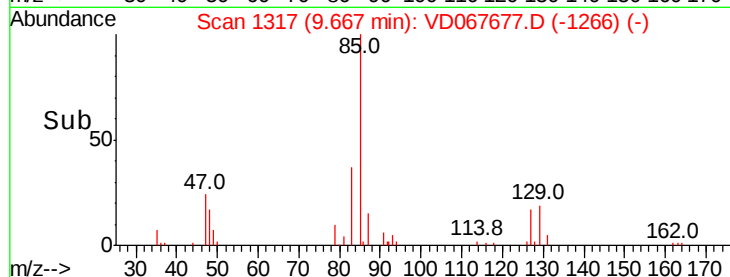
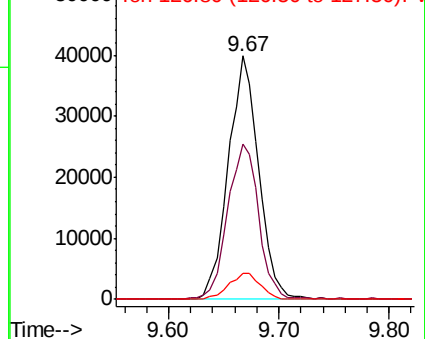
83 100

85 63.3 49.4 74.2

127 10.9 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: 19.330 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

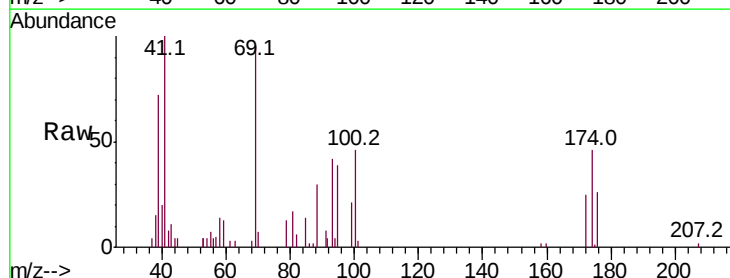
Tgt Ion: 41 Resp: 17830

Ion Ratio Lower Upper

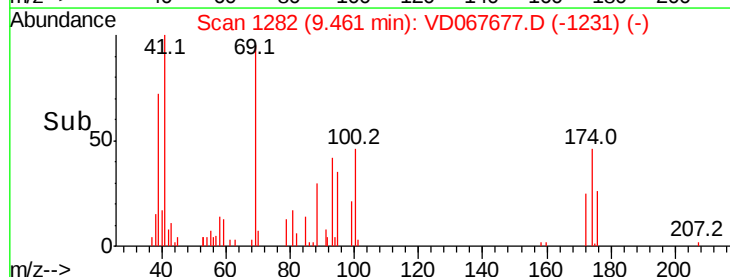
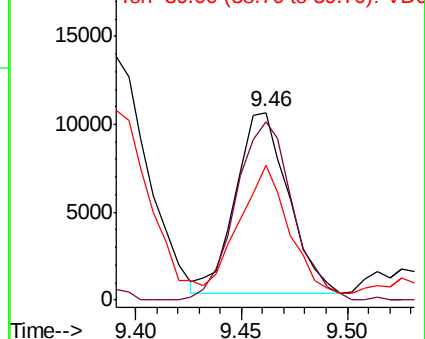
41 100

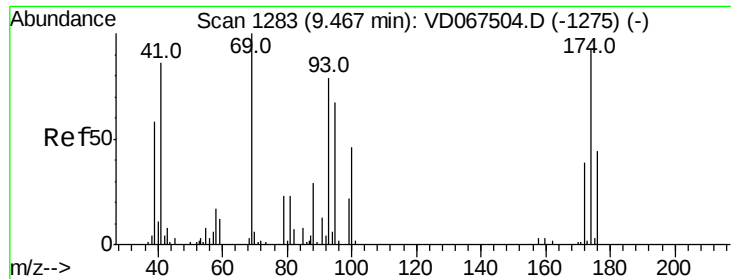
69 106.0 80.6 121.0

39 66.5 50.2 75.4



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





#49

1,4-Dioxane

Concen: 445.380 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

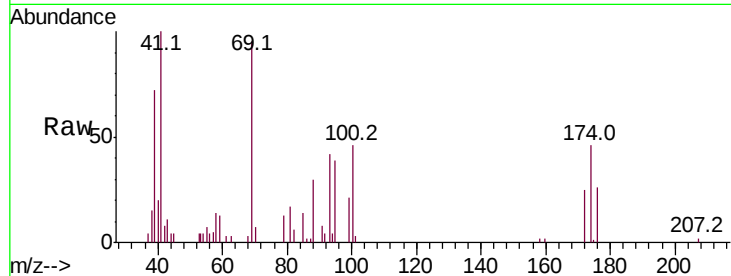
Tot Ion: 88 Resp: 5858

Ion Ratio Lower Upper

88 100

43 36.0 23.6 35.4#

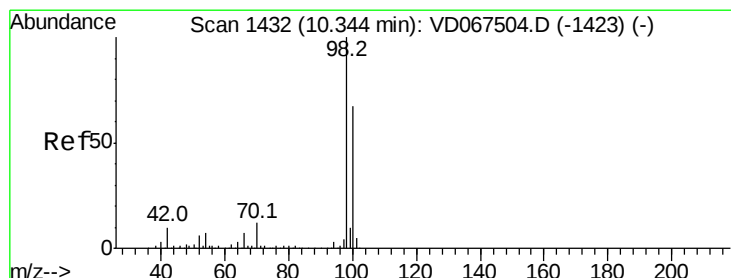
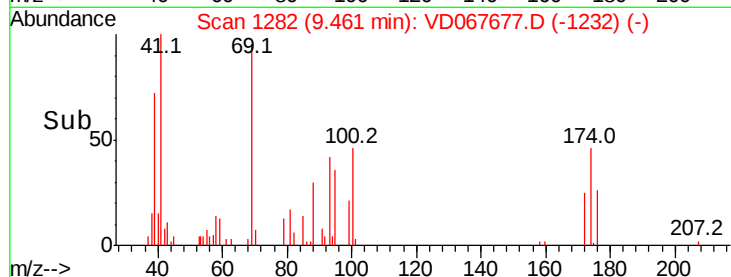
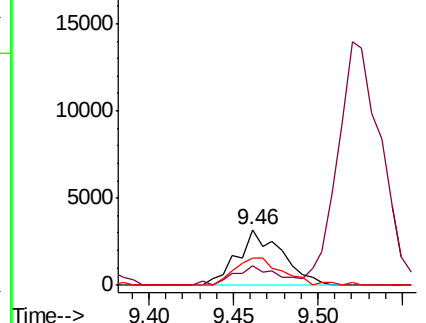
58 51.2 44.7 67.1



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: 48.685 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067677.D

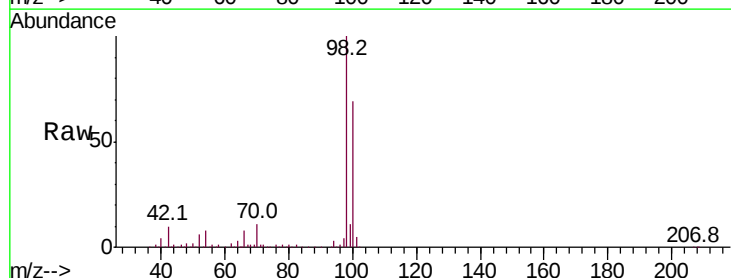
Acq: 18 Nov 2020 11:20

Tgt Ion: 98 Resp: 418999

Ion Ratio Lower Upper

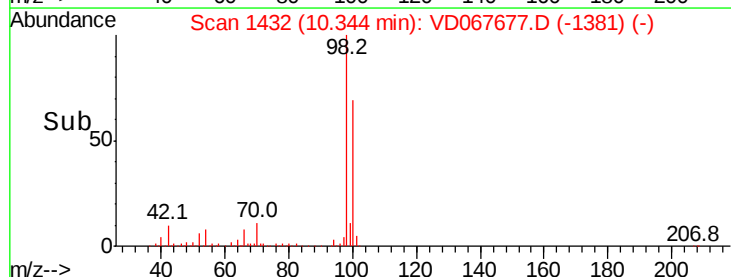
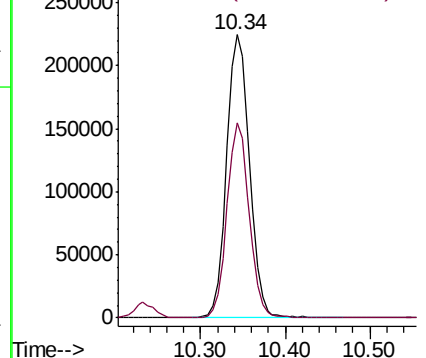
98 100

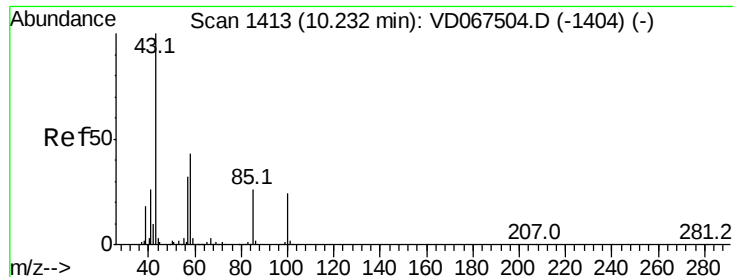
100 67.1 53.0 79.6



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: 105.420 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

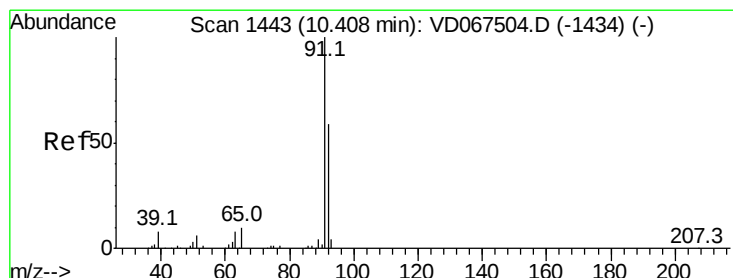
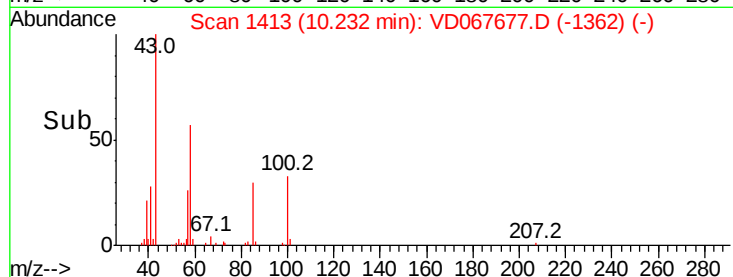
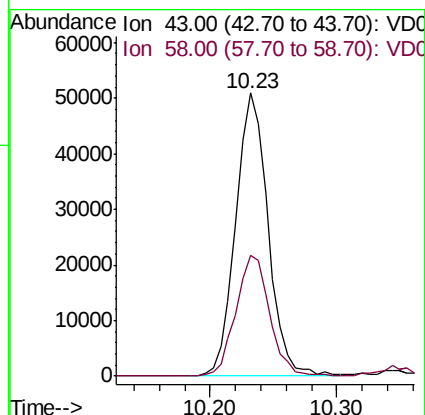
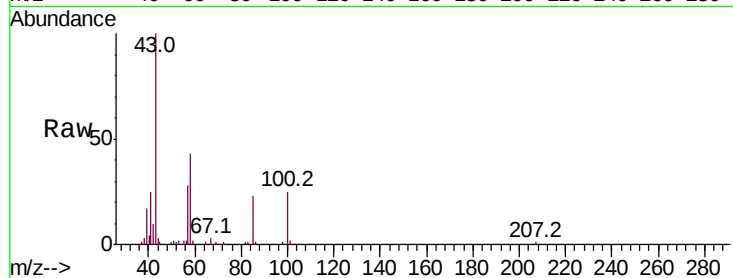
VD1118SBS01

Tot Ion: 43 Resp: 90069

Ion Ratio Lower Upper

43 100

58 44.4 35.6 53.4



#52

Toluene

Concen: 22.602 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067677.D

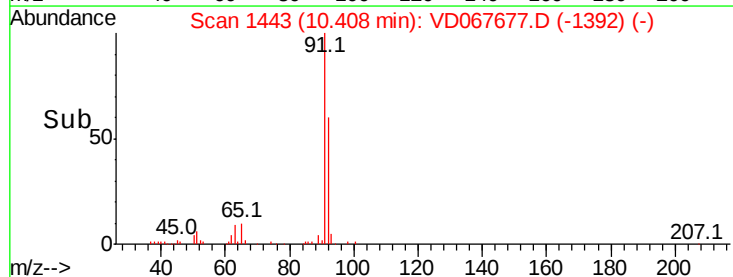
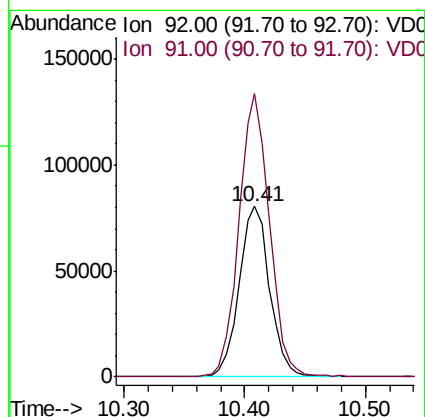
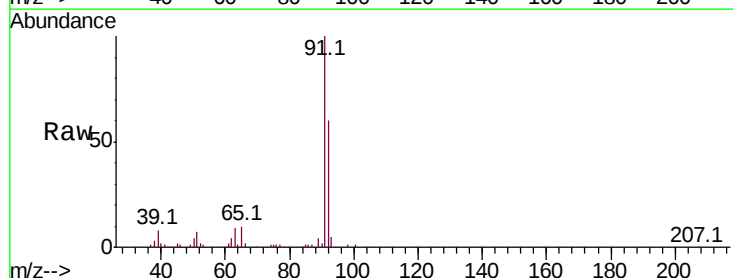
Acq: 18 Nov 2020 11:20

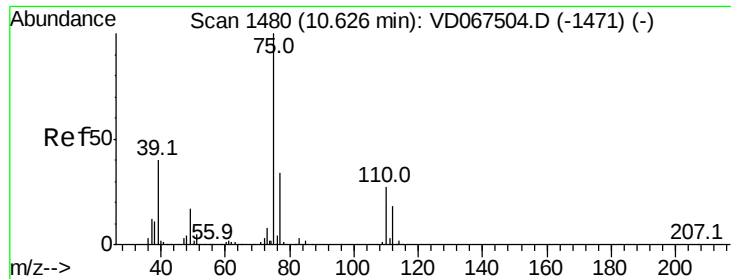
Tgt Ion: 92 Resp: 142682

Ion Ratio Lower Upper

92 100

91 164.9 137.0 205.6

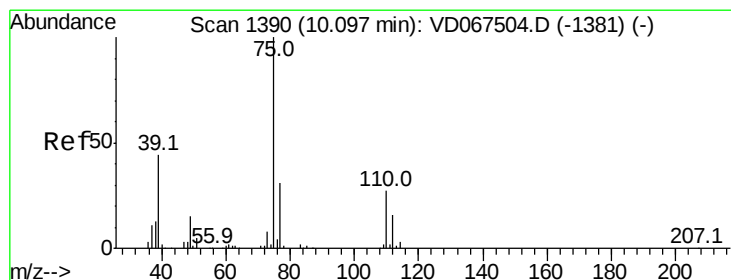
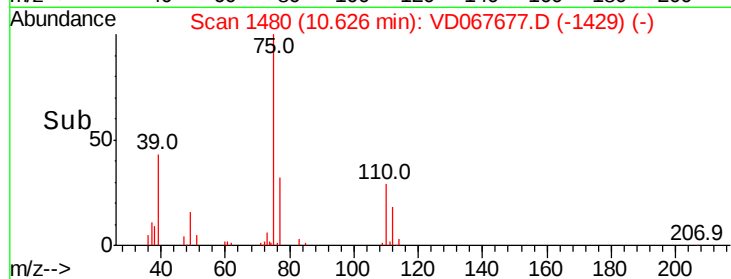
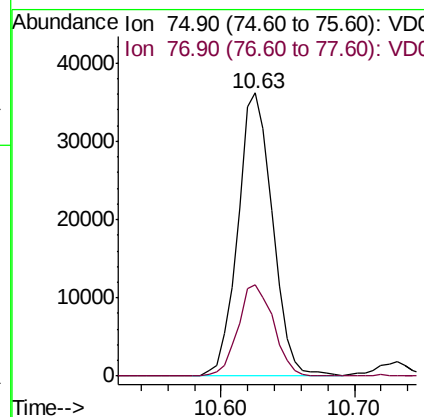
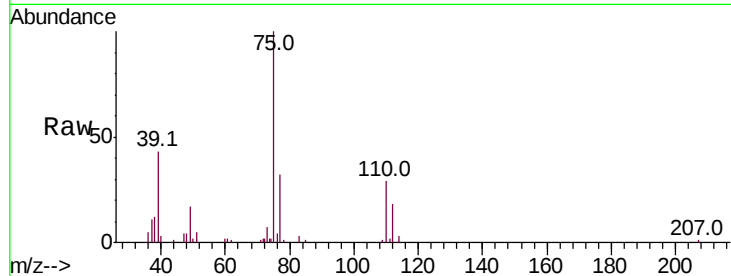




#53
 t-1,3-Dichloropropene
 Concen: 21.586 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

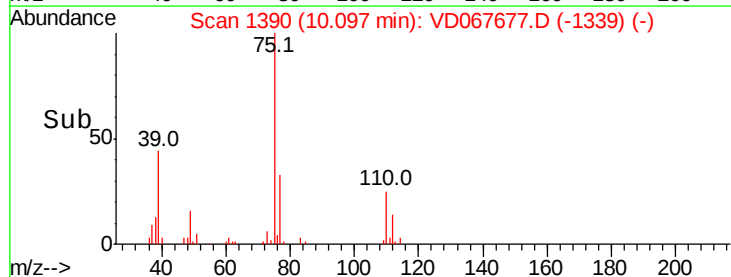
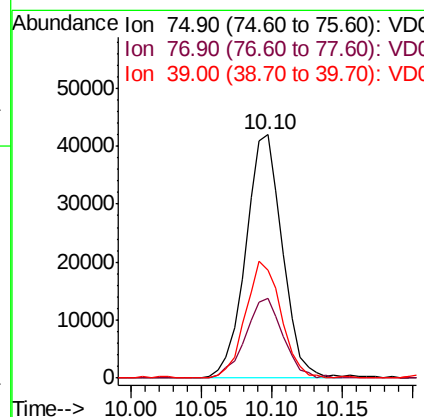
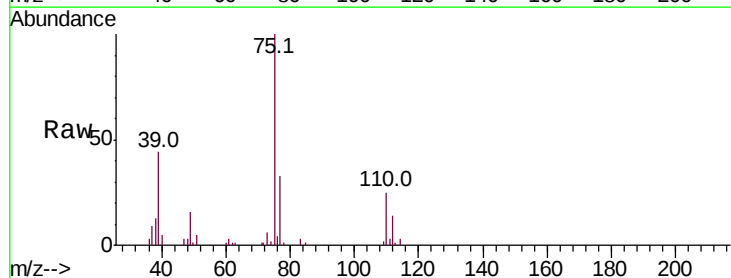
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

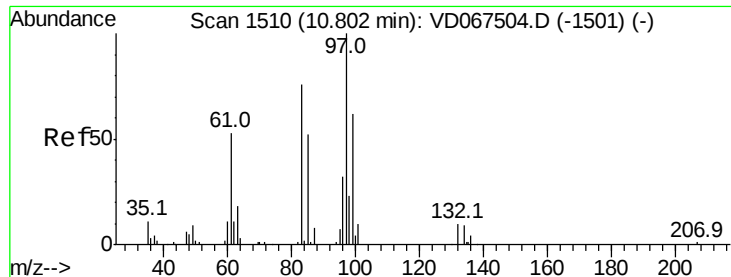
Tot Ion: 75 Resp: 65104
 Ion Ratio Lower Upper
 75 100
 77 32.2 27.0 40.6



#54
 cis-1,3-Dichloropropene
 Concen: 21.309 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion: 75 Resp: 76358
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.4 36.6
 39 44.3 35.6 53.4

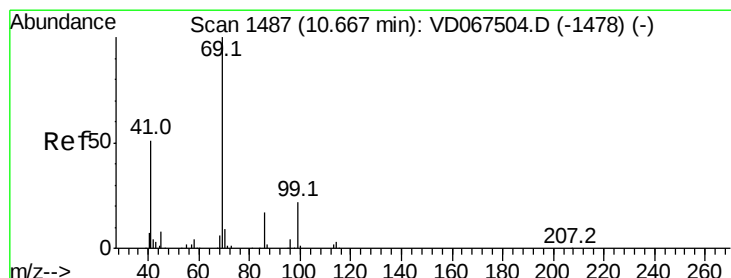
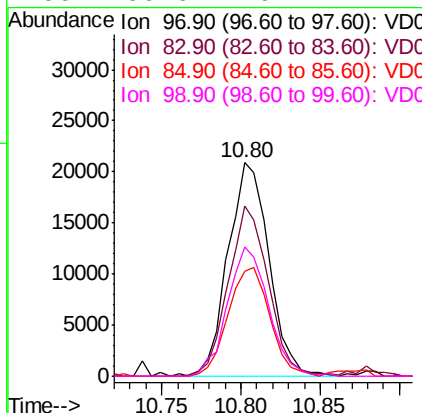
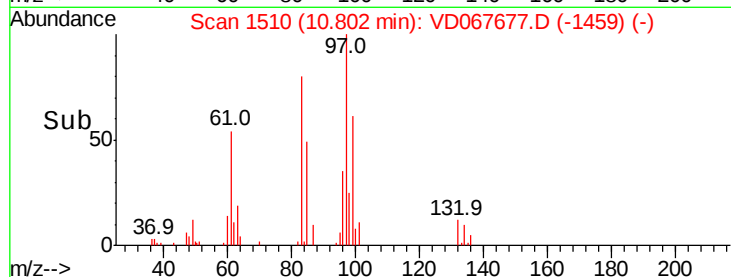
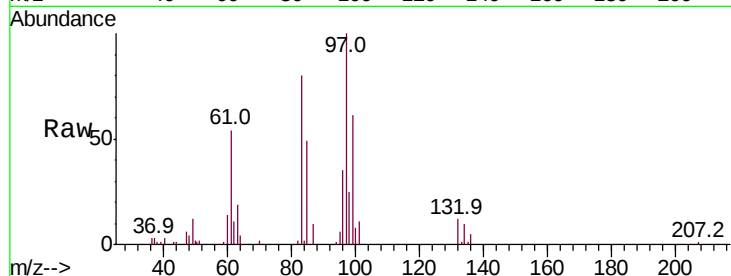




#55
 1,1,2-Trichloroethane
 Concen: 21.881 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

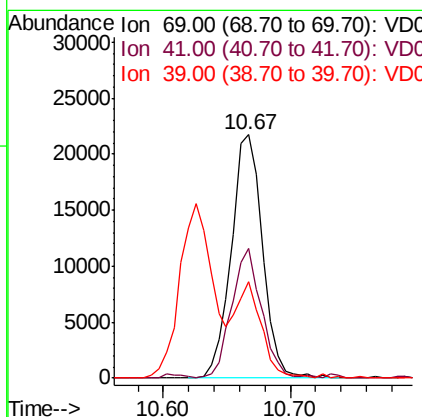
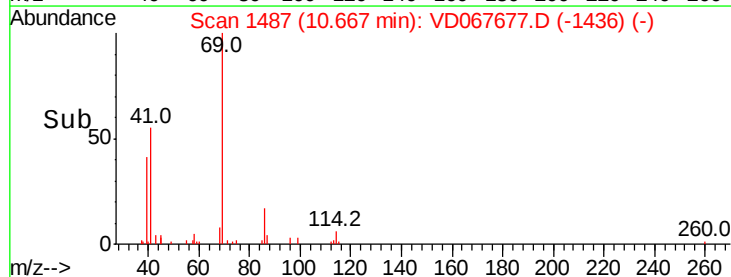
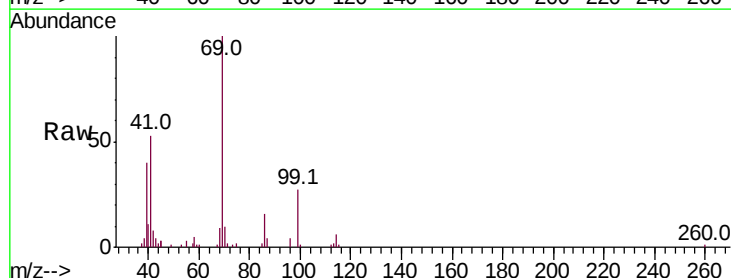
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

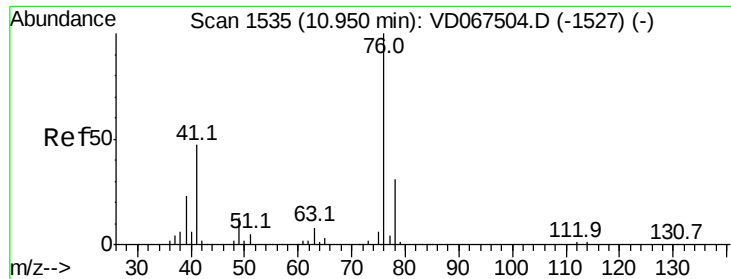
Tot Ion:	97	Resp:	37510
Ion	Ratio	Lower	Upper
97	100		
83	79.0	61.0	91.6
85	49.1	41.5	62.3
99	60.6	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 20.912 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion:	69	Resp:	37020
Ion	Ratio	Lower	Upper
69	100		
41	51.3	45.4	68.0
39	33.3	27.4	41.0

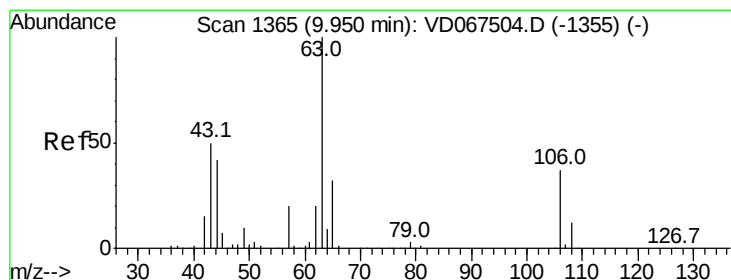
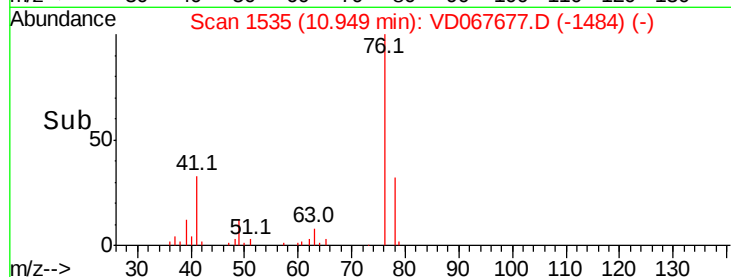
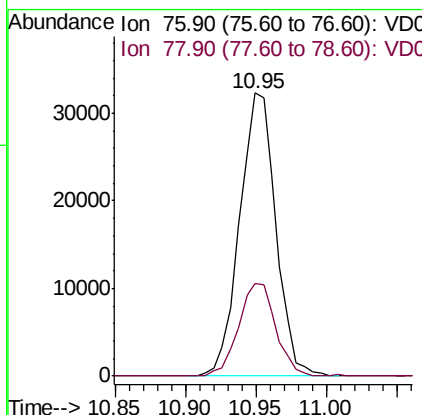
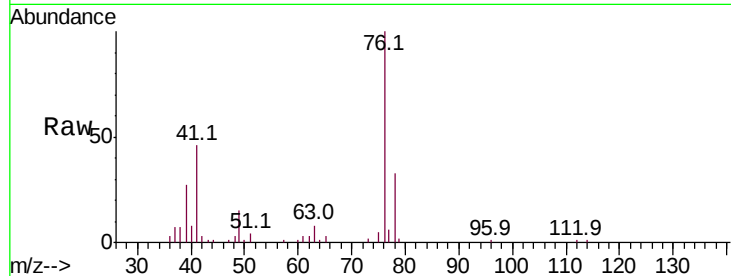




#57
 1,3-Dichloropropane
 Concen: 20.985 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

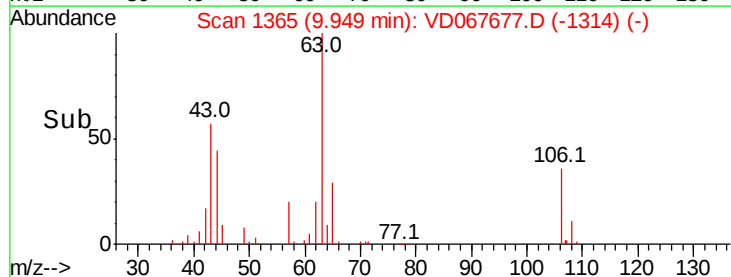
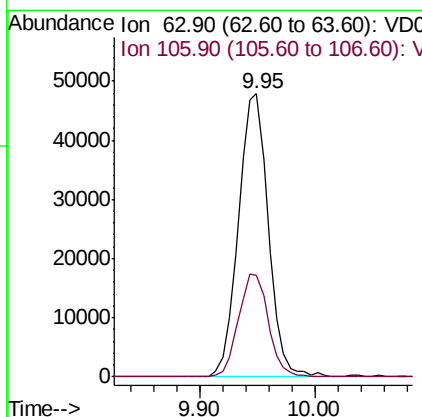
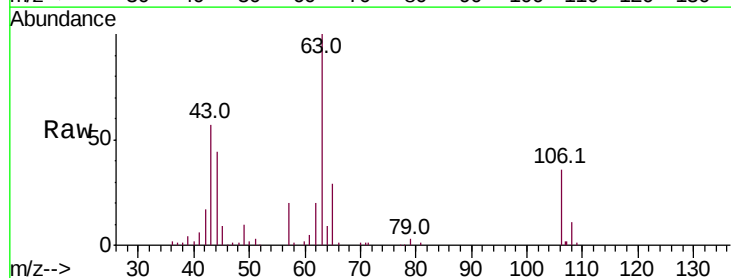
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

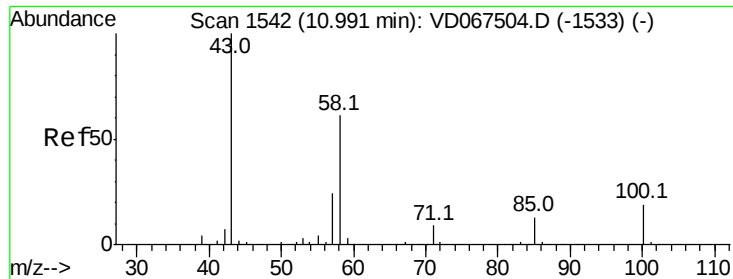
Tot Ion: 76 Resp: 57888
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.834 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion: 63 Resp: 85718
 Ion Ratio Lower Upper
 63 100
 106 36.4 29.2 43.8

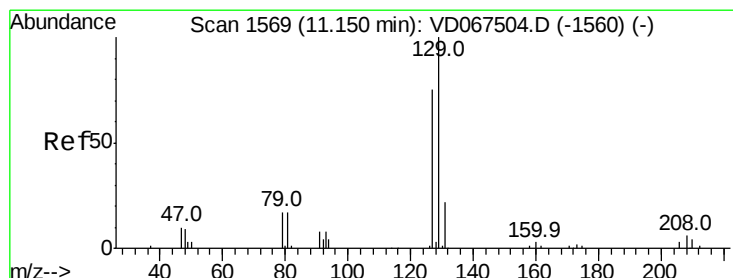
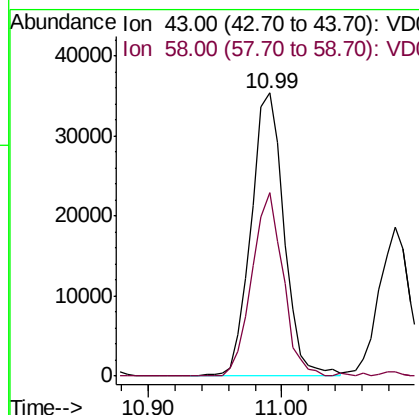
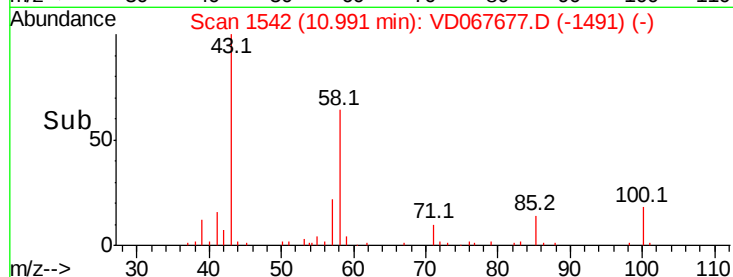
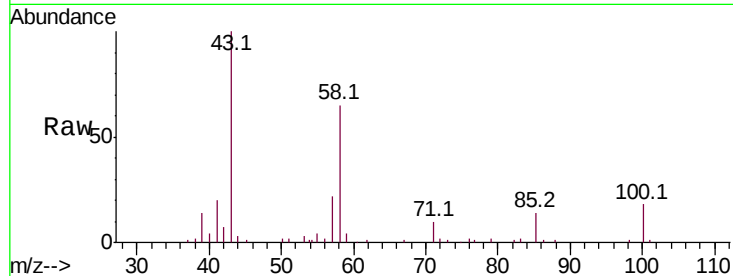




#59
2-Hexanone
Concen: 100.721 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

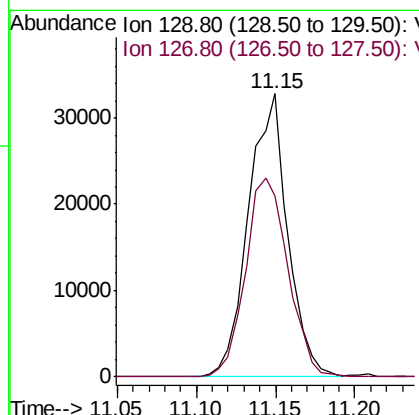
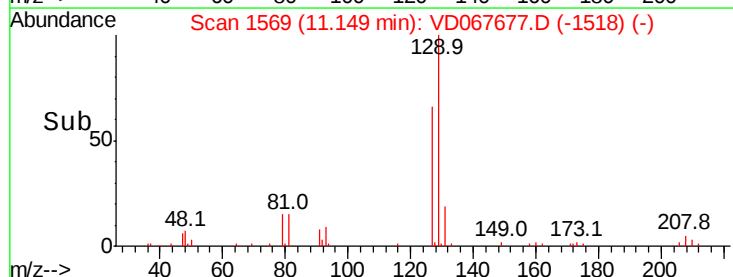
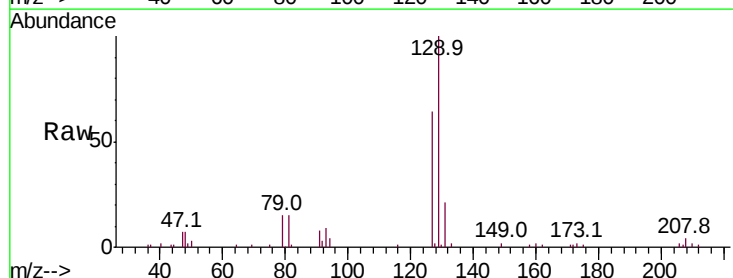
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

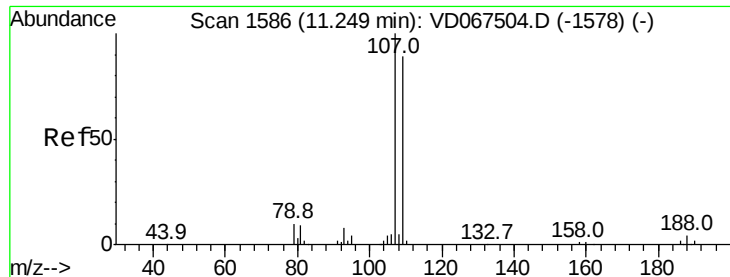
Tot Ion: 43 Resp: 60169
Ion Ratio Lower Upper
43 100
58 61.0 30.3 90.9



#60
Dibromochloromethane
Concen: 22.248 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion:129 Resp: 56419
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.1

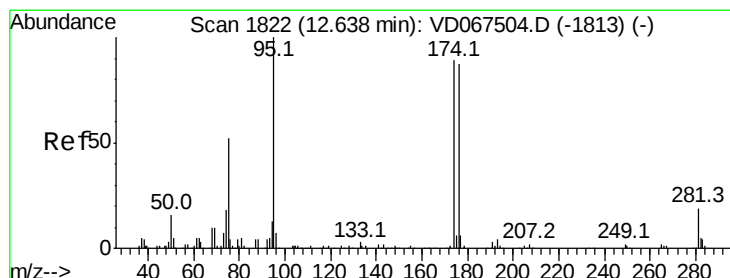
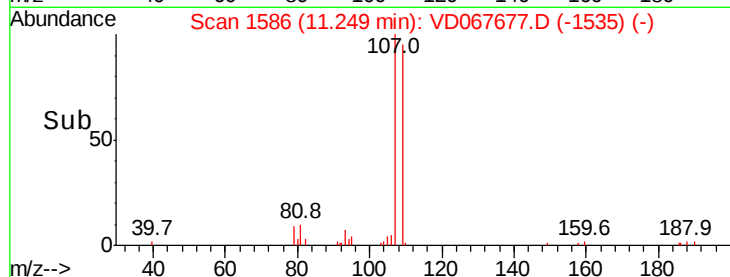
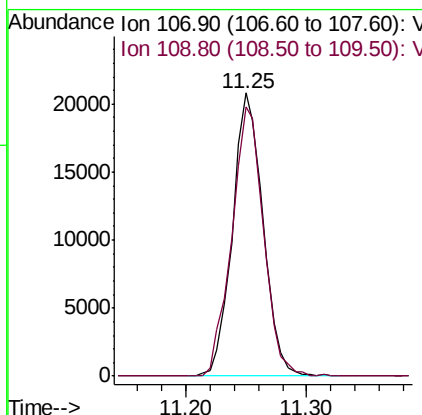
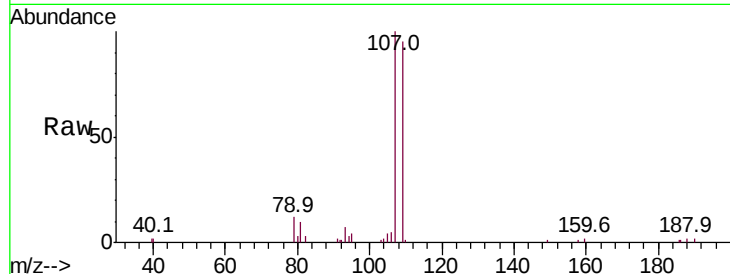




#61
 1,2-Dibromoethane
 Concen: 21.289 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

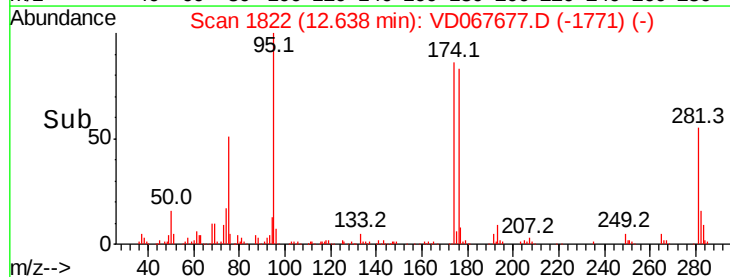
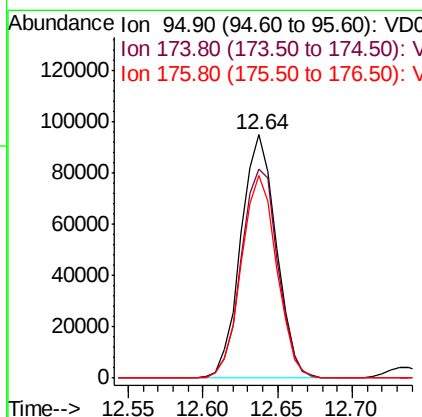
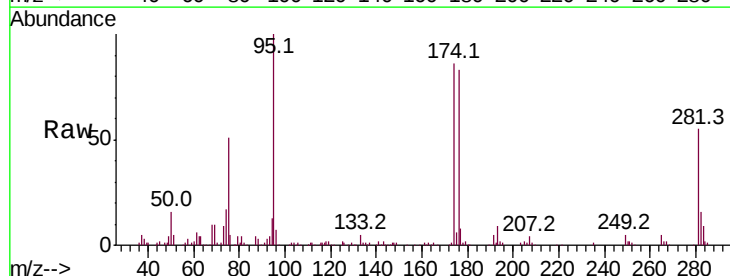
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

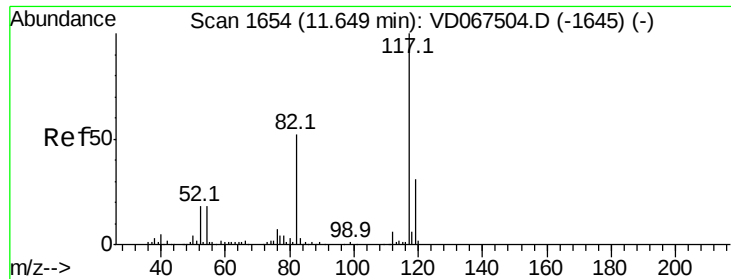
Tot Ion:107 Resp: 36628
 Ion Ratio Lower Upper
 107 100
 109 98.9 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 52.525 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion: 95 Resp: 156068
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 177.8
 176 83.2 0.0 172.0

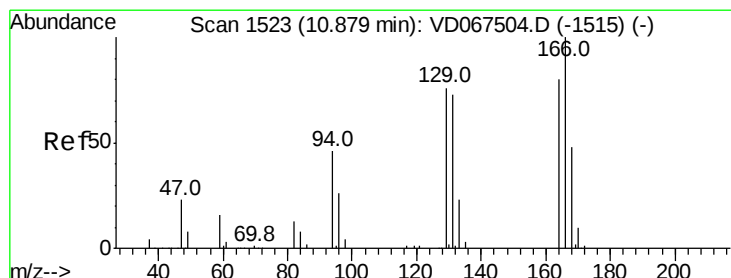
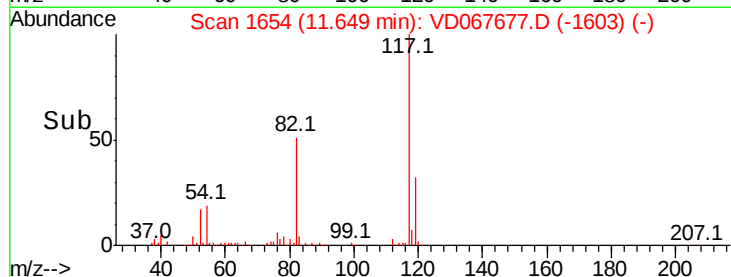
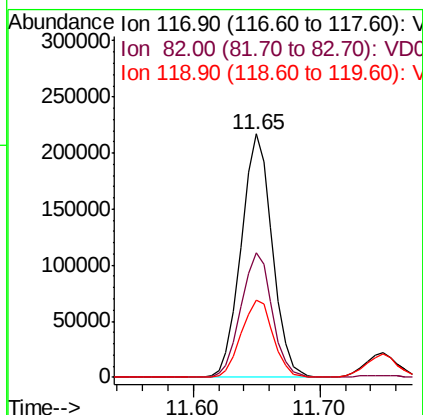
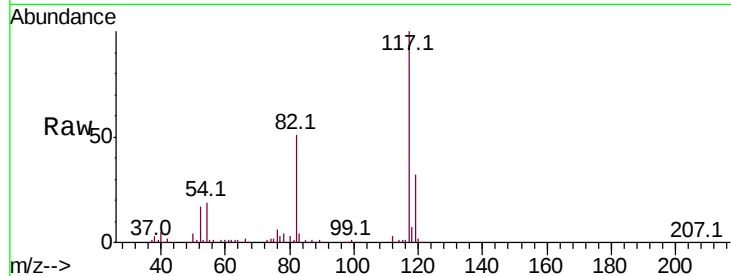




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

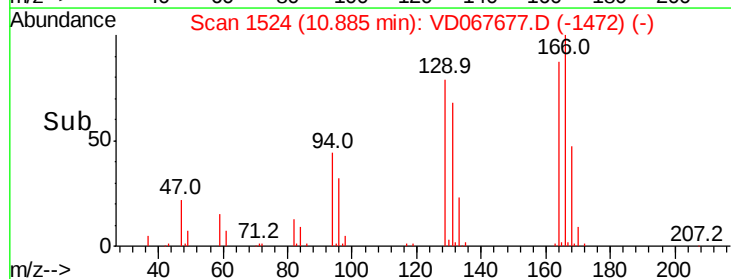
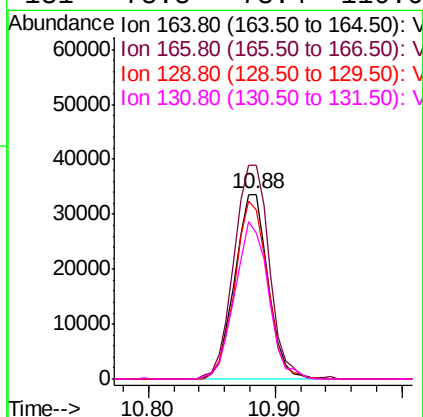
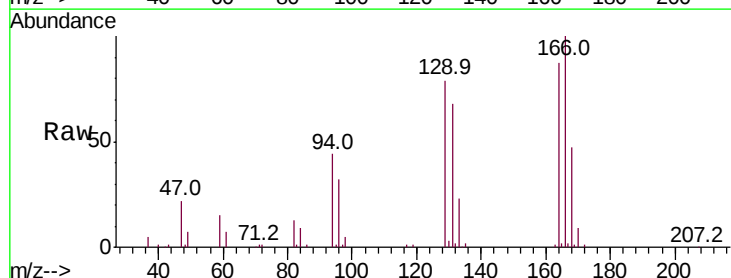
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

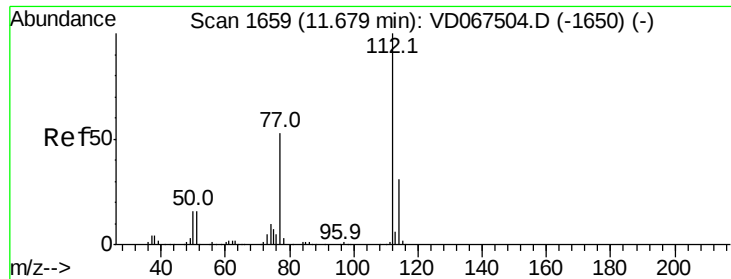
Tot Ion:117 Resp: 369940
Ion Ratio Lower Upper
117 100
82 51.0 41.6 62.4
119 31.6 25.1 37.7



#64
Tetrachloroethene
Concen: 22.295 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion:164 Resp: 61082
Ion Ratio Lower Upper
164 100
166 115.5 99.9 149.9
129 91.6 75.5 113.3
131 78.8 73.4 110.0





#65

Chlorobenzene

Concen: 21.842 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

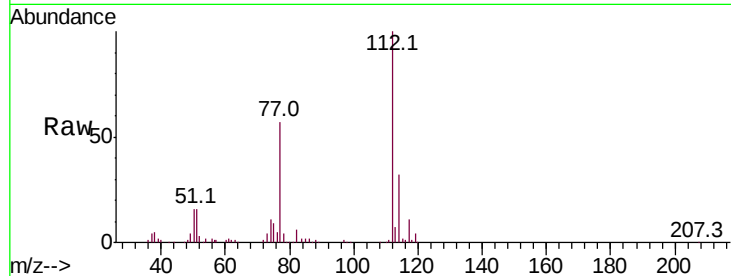
VD1118SBS01

Tot Ion:112 Resp: 155644

Ion Ratio Lower Upper

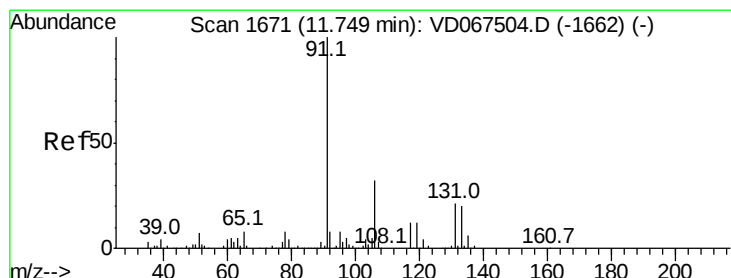
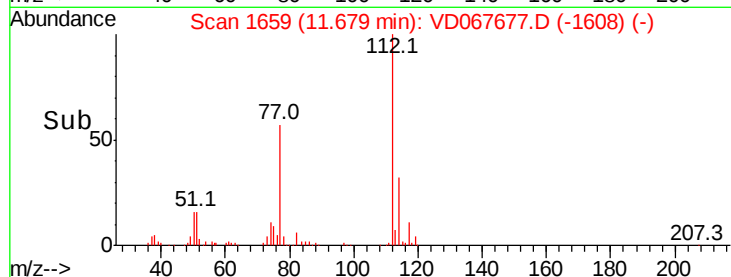
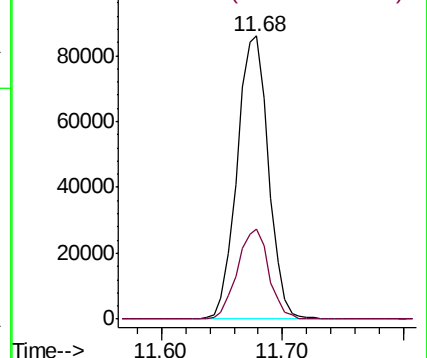
112 100

114 31.7 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: 22.044 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

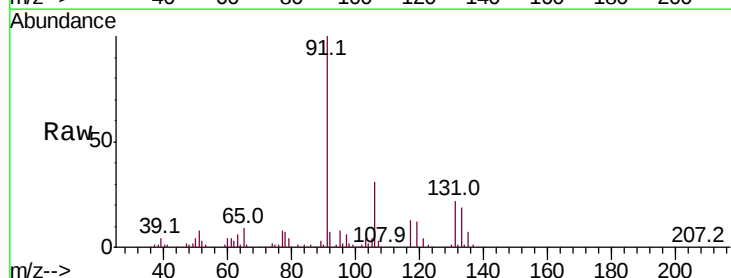
Tgt Ion:131 Resp: 61914

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.0

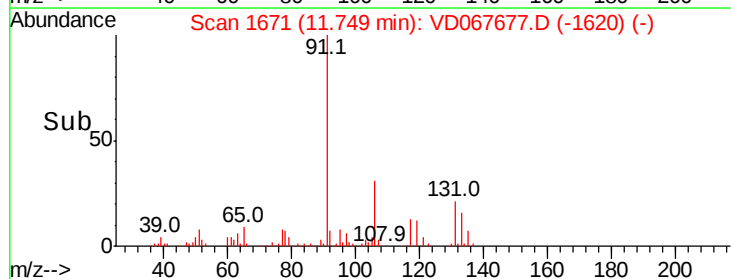
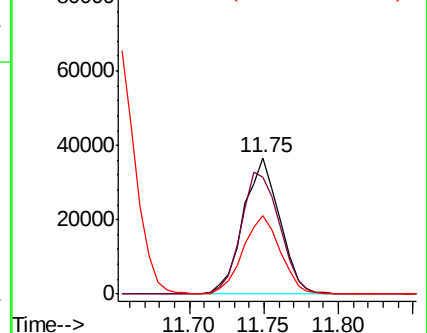
119 59.5 30.1 90.5

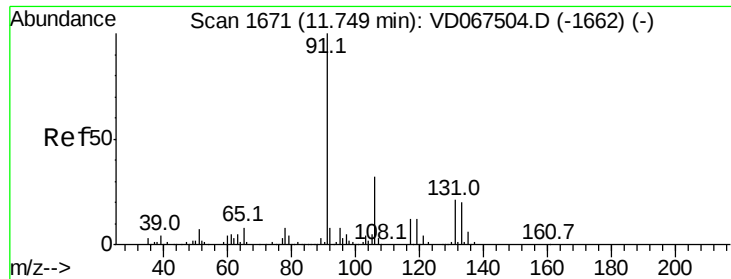


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.022 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

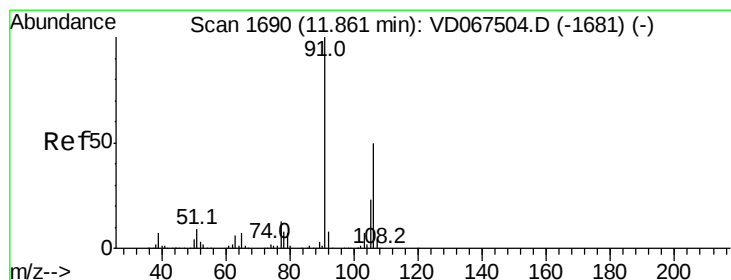
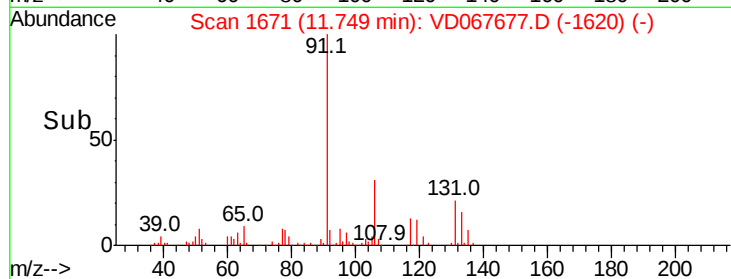
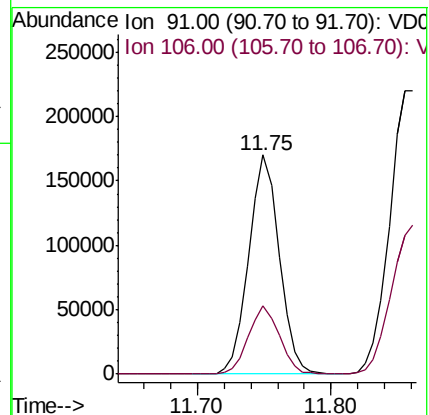
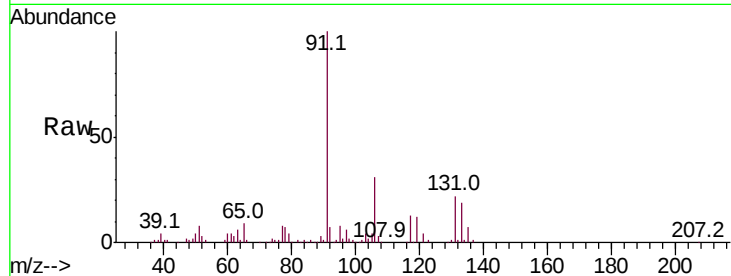
VD1118SBSD01

Tot Ion: 91 Resp: 268534

Ion Ratio Lower Upper

91 100

106 31.3 25.7 38.5



#68

m/p-Xylenes

Concen: 44.847 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067677.D

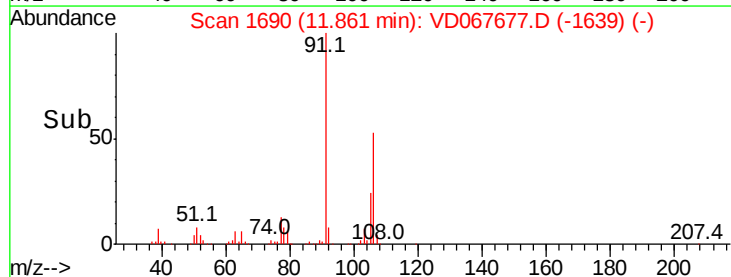
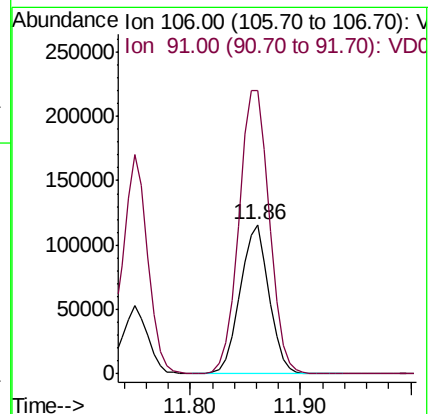
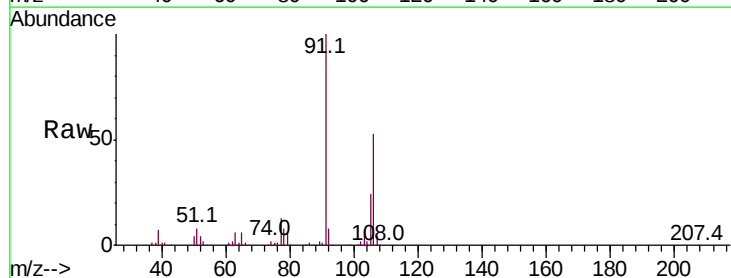
Acq: 18 Nov 2020 11:20

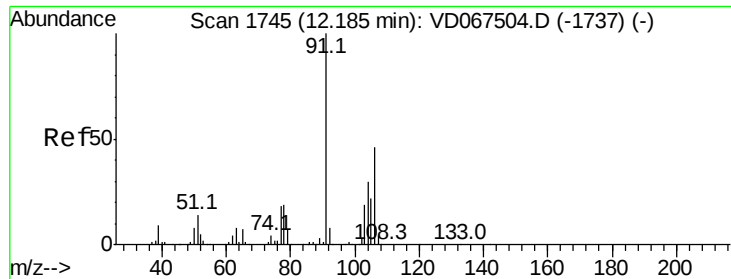
Tgt Ion: 106 Resp: 212756

Ion Ratio Lower Upper

106 100

91 200.6 162.6 244.0

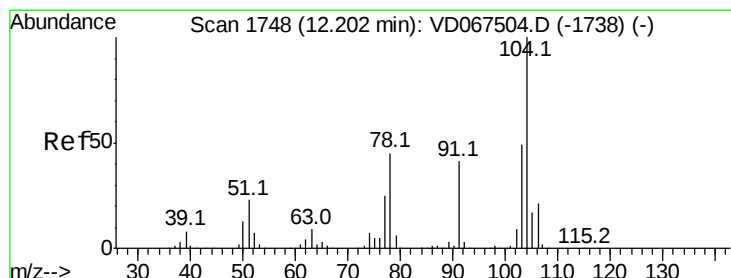
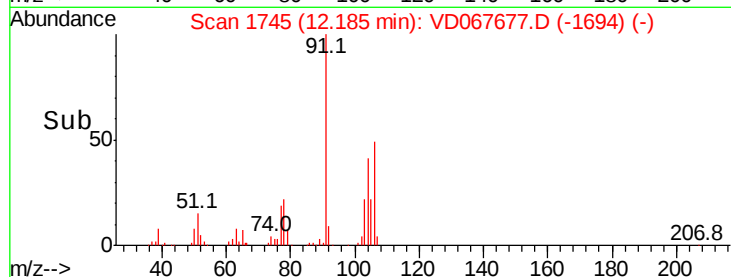
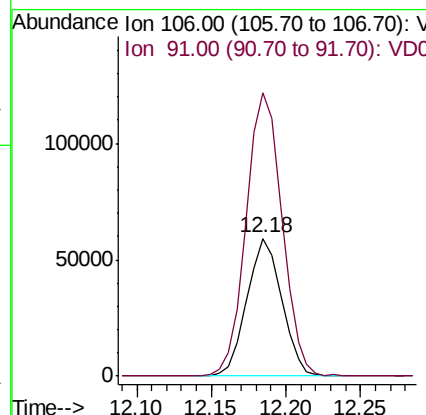
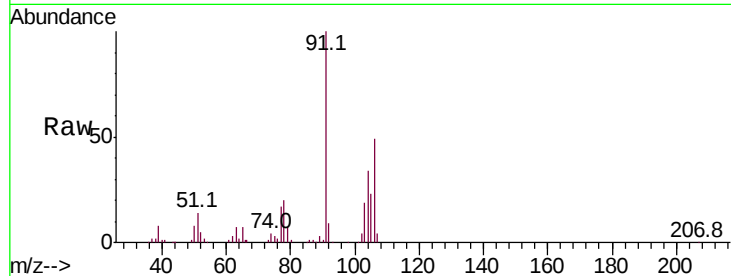




#69
o-Xylene
Concen: 22.624 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

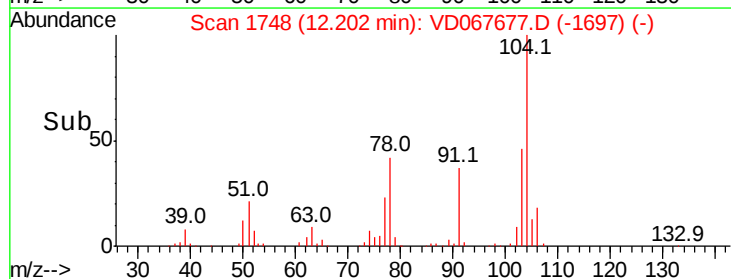
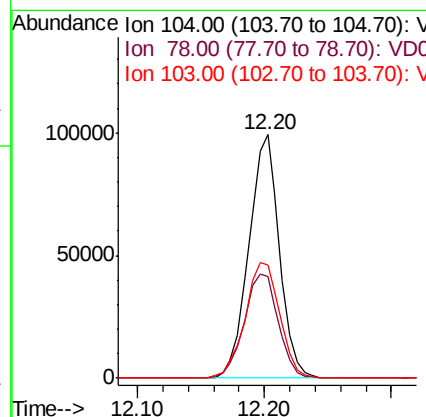
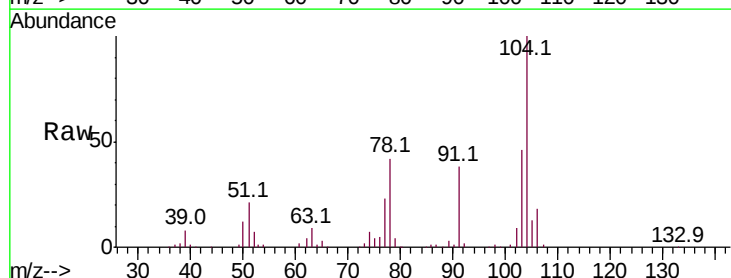
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

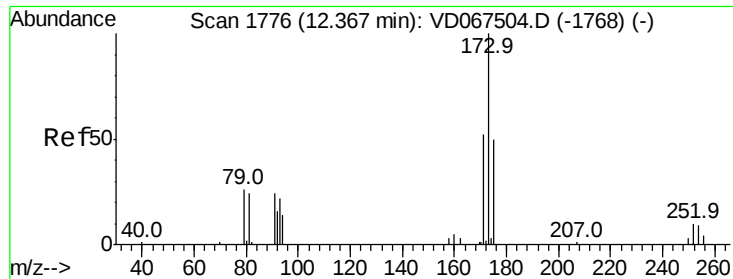
Tot Ion:106 Resp: 95825
Ion Ratio Lower Upper
106 100
91 211.9 107.1 321.1



#70
Styrene
Concen: 22.501 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion:104 Resp: 166073
Ion Ratio Lower Upper
104 100
78 48.0 39.8 59.8
103 53.8 43.9 65.9

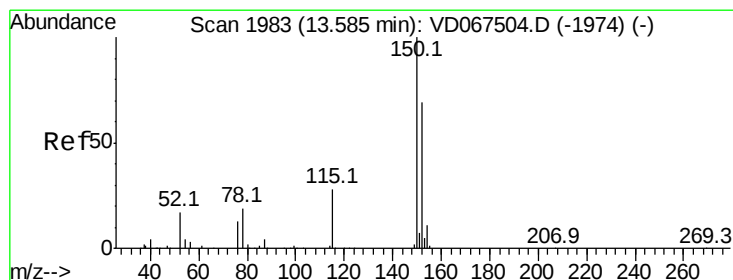
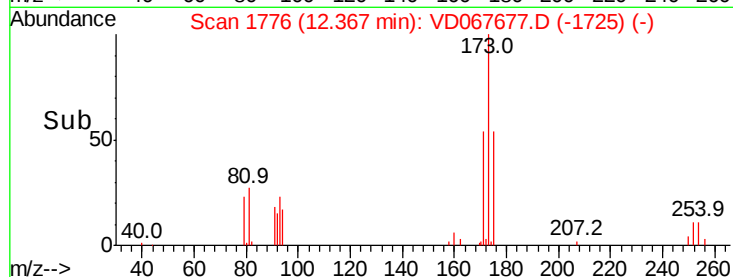
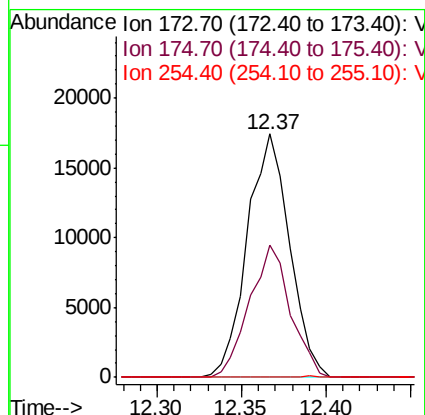
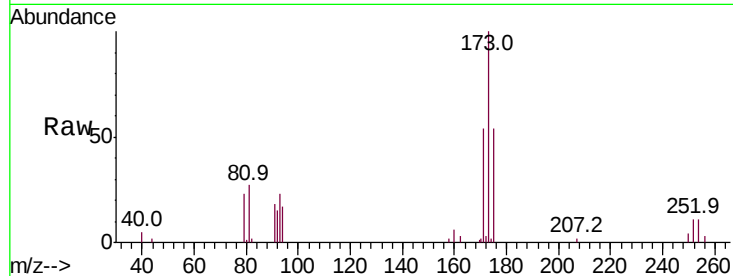




#71
Bromoform
Concen: 21.181 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

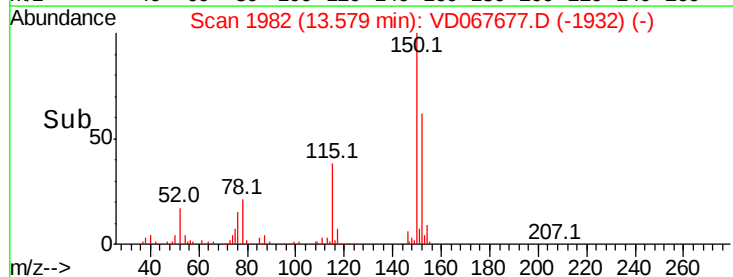
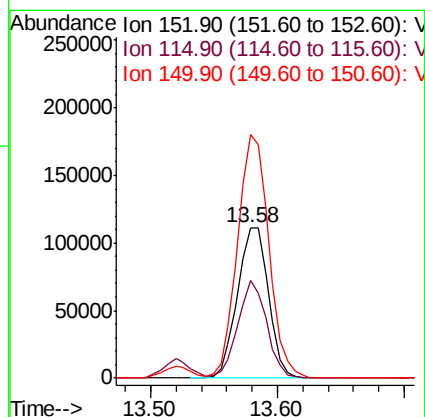
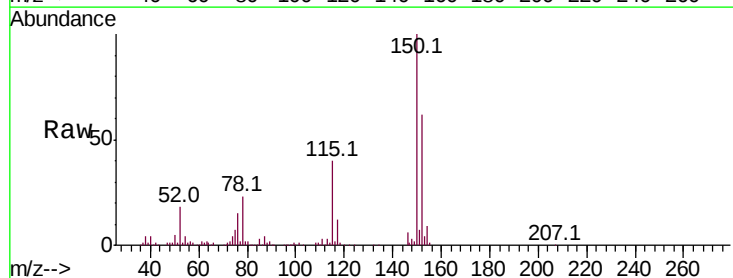
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

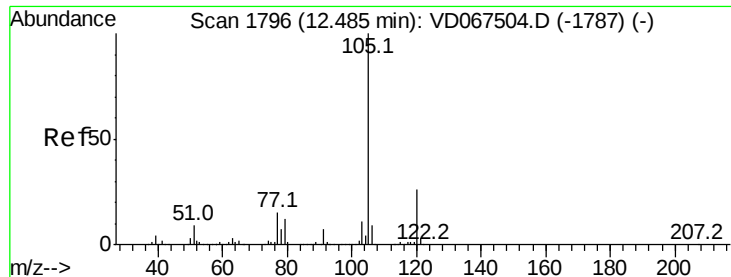
Tot Ion:173 Resp: 30340
Ion Ratio Lower Upper
173 100
175 52.7 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion:152 Resp: 188850
Ion Ratio Lower Upper
152 100
115 59.9 29.3 88.0
150 163.4 0.0 338.2





#73

Isopropylbenzene

Concen: 21.503 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

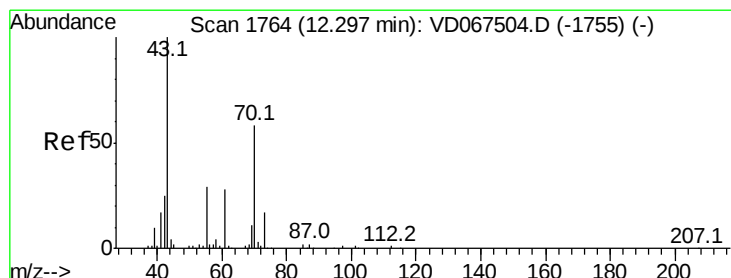
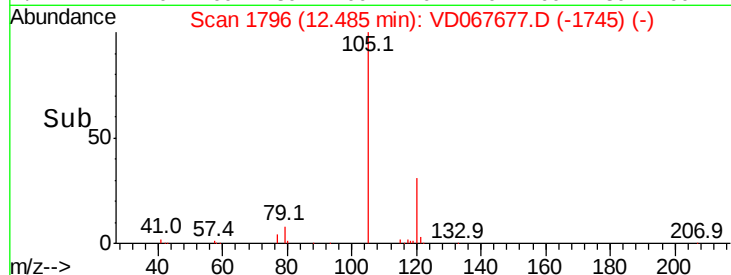
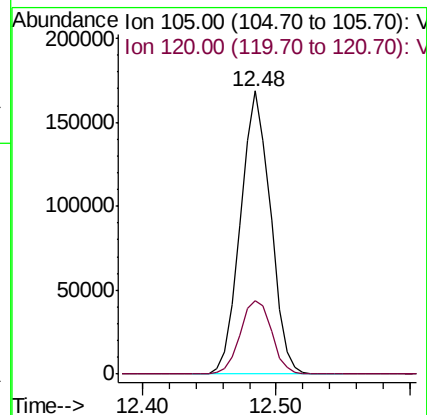
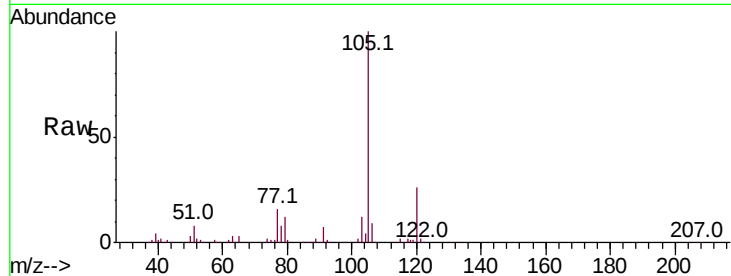
VD1118SBS01

Tot Ion:105 Resp: 262451

Ion Ratio Lower Upper

105 100

120 27.3 13.2 39.6



#74

N-ethyl acetate

Concen: 19.716 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Tgt Ion: 43 Resp: 31664

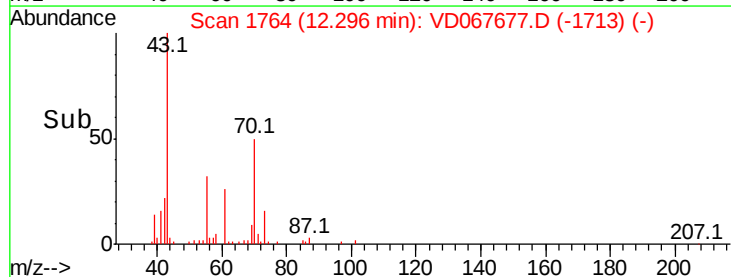
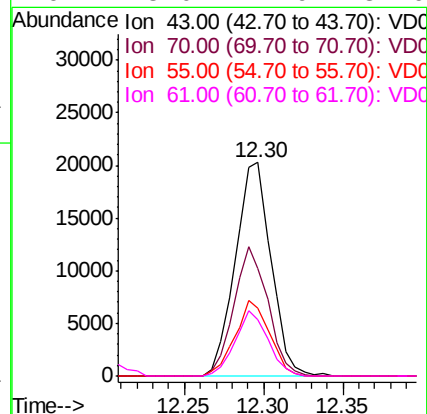
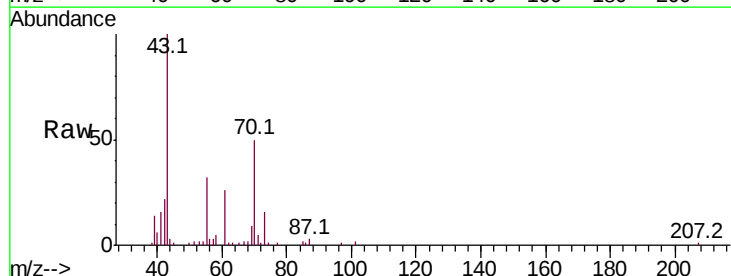
Ion Ratio Lower Upper

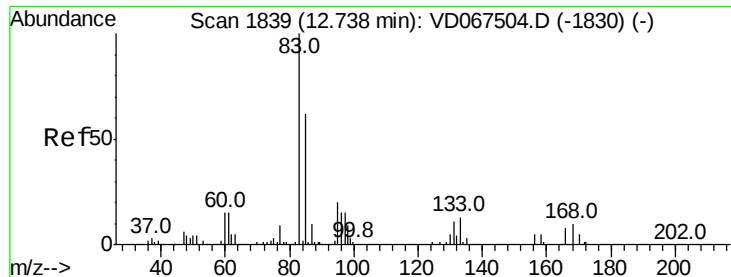
43 100

70 57.2 42.6 64.0

55 34.1 23.7 35.5

61 28.0 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.371 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBSD01

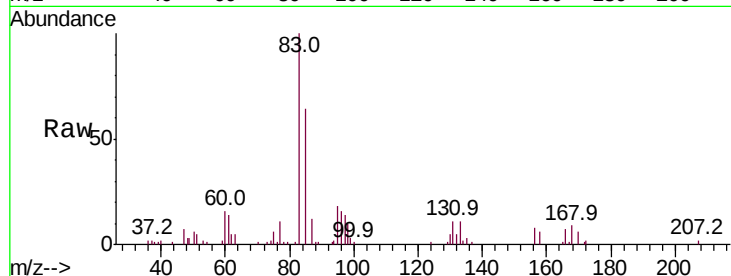
Tot Ion: 83 Resp: 35567

Ion Ratio Lower Upper

83 100

131 13.9 7.1 21.3

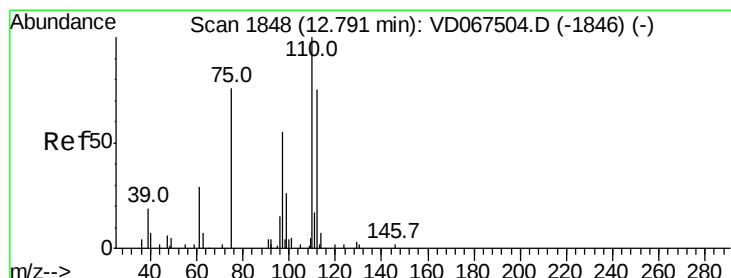
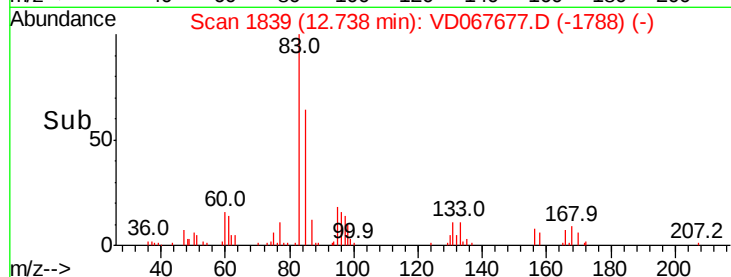
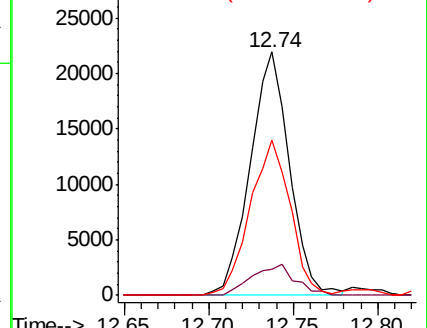
85 64.8 32.9 98.7



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: 43.863 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067677.D

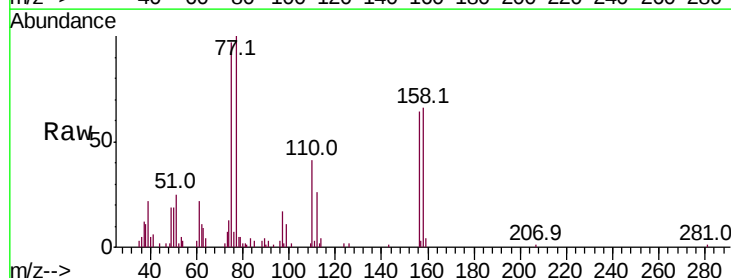
Acq: 18 Nov 2020 11:20

Tgt Ion: 75 Resp: 49971

Ion Ratio Lower Upper

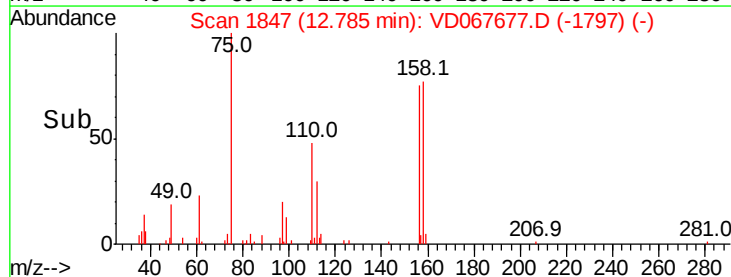
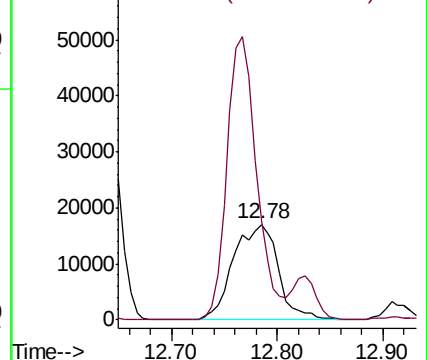
75 100

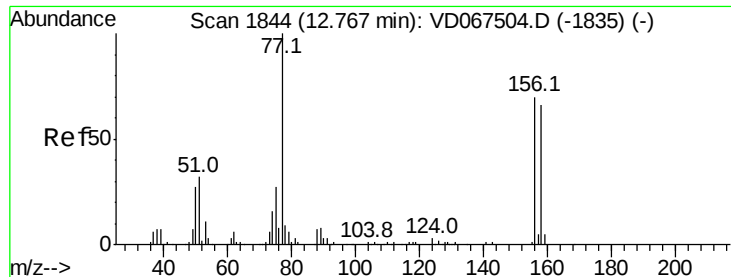
77 199.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.231 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

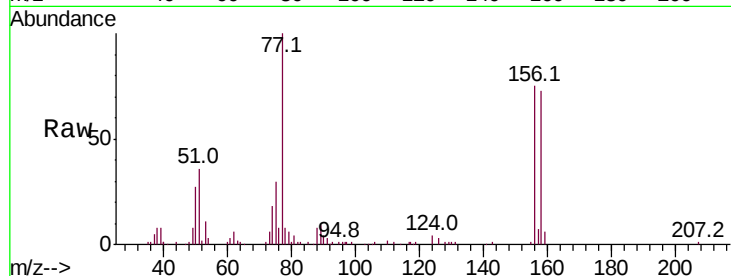
Tot Ion:156 Resp: 66635

Ion Ratio Lower Upper

156 100

77 149.2 77.8 233.5

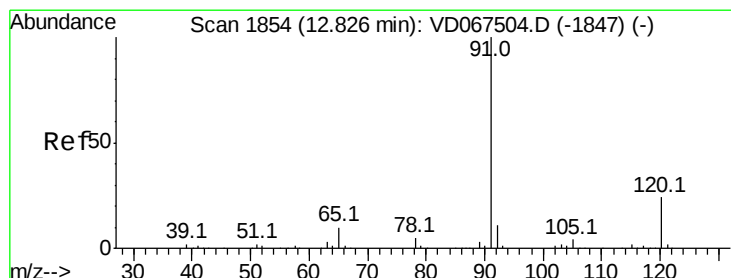
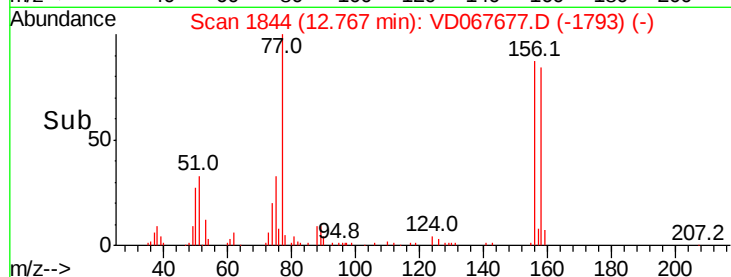
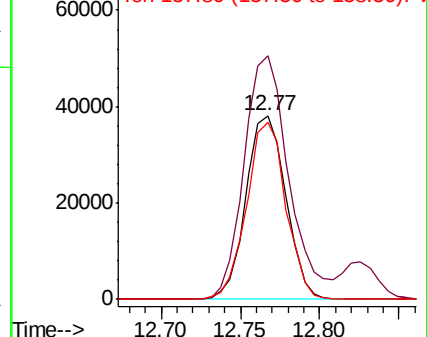
158 95.3 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.918 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067677.D

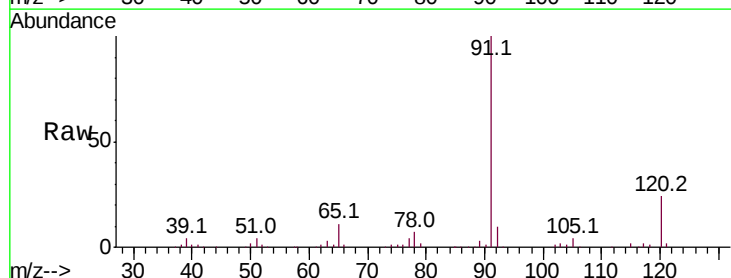
Acq: 18 Nov 2020 11:20

Tgt Ion: 91 Resp: 305990

Ion Ratio Lower Upper

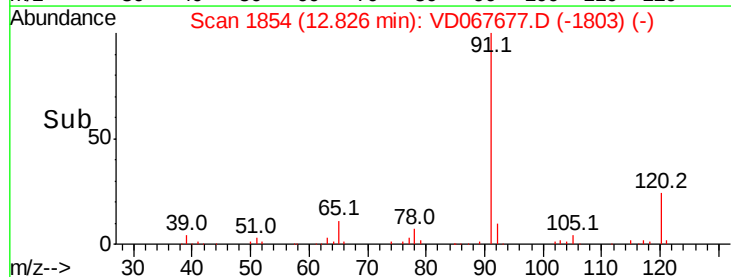
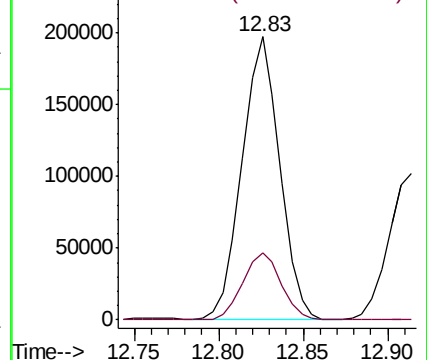
91 100

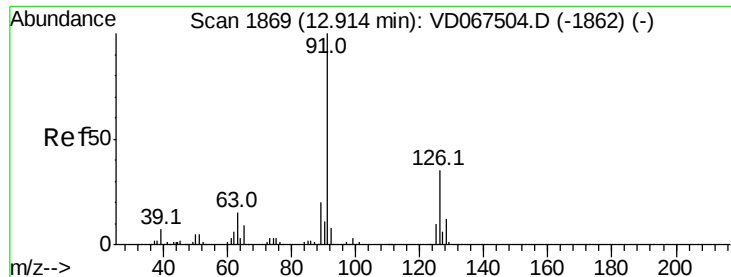
120 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.051 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

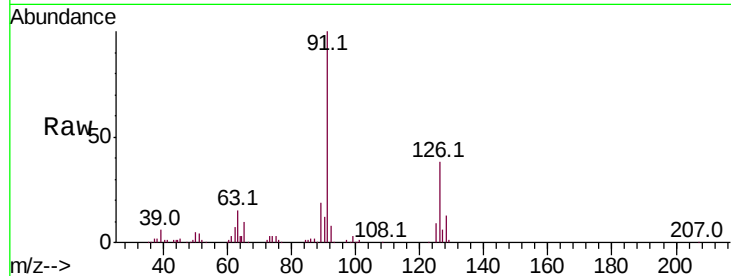
VD1118SBS01

Tot Ion: 91 Resp: 174872

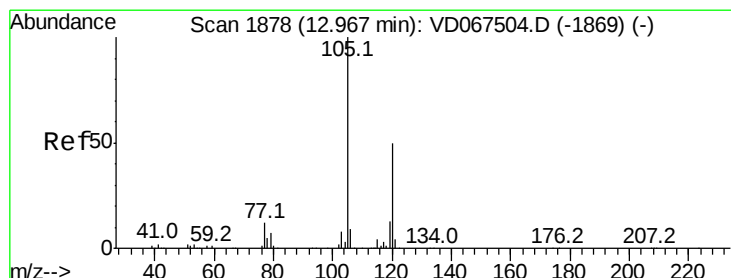
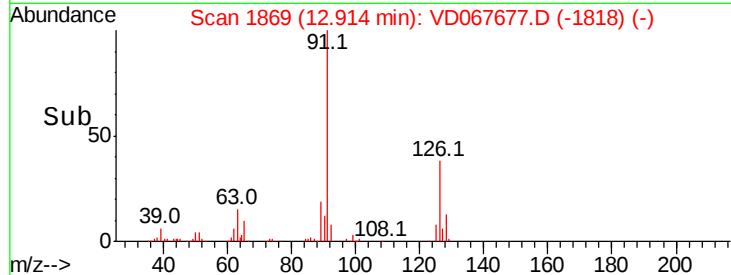
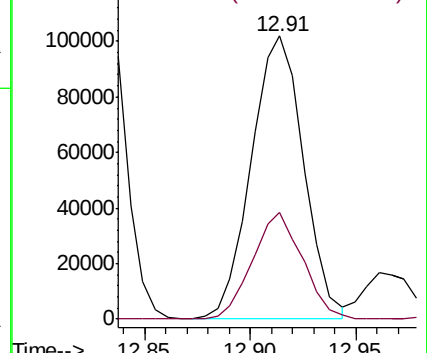
Ion Ratio Lower Upper

91 100

126 36.3 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.152 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067677.D

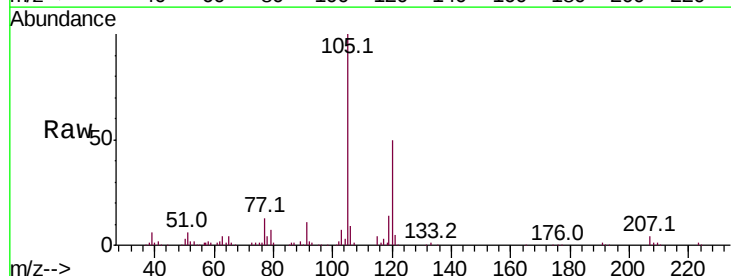
Acq: 18 Nov 2020 11:20

Tgt Ion:105 Resp: 230957

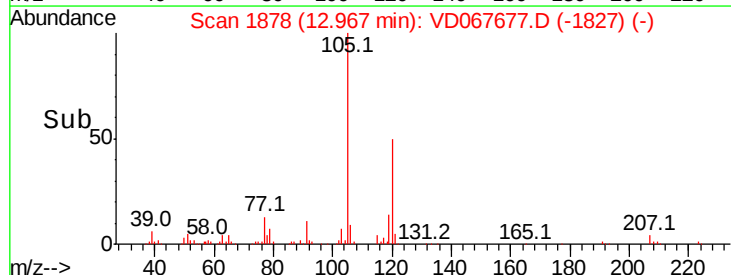
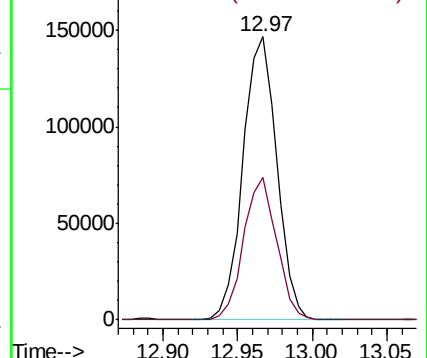
Ion Ratio Lower Upper

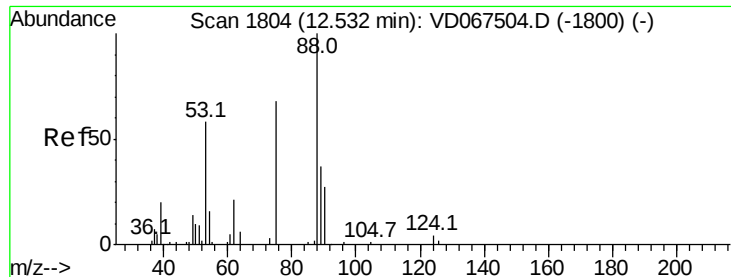
105 100

120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.056 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

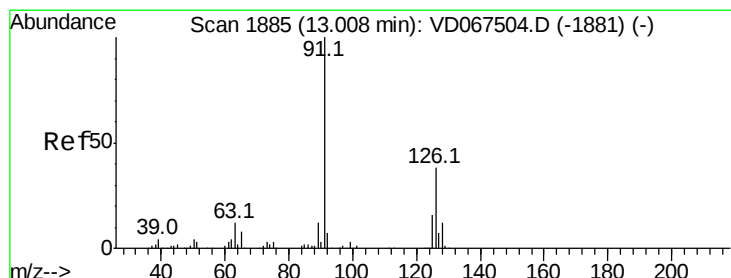
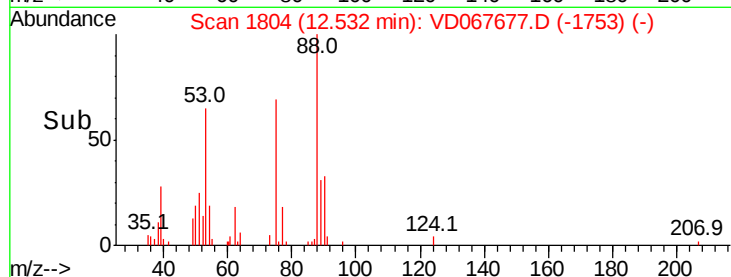
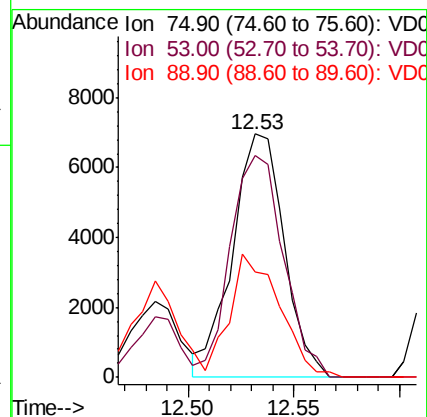
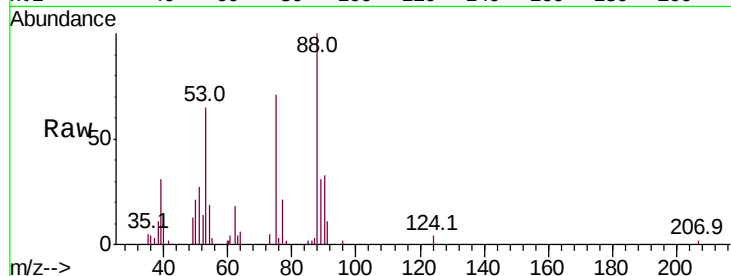
Tot Ion: 75 Resp: 11815

Ion Ratio Lower Upper

75 100

53 93.9 75.9 113.9

89 48.8 44.6 67.0



#82

4-Chlorotoluene

Concen: 22.240 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067677.D

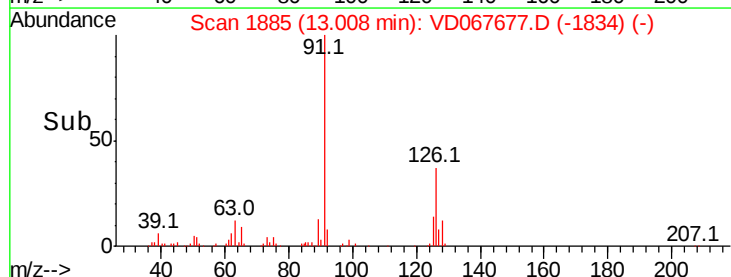
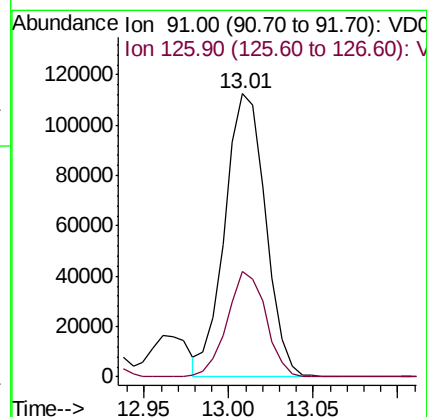
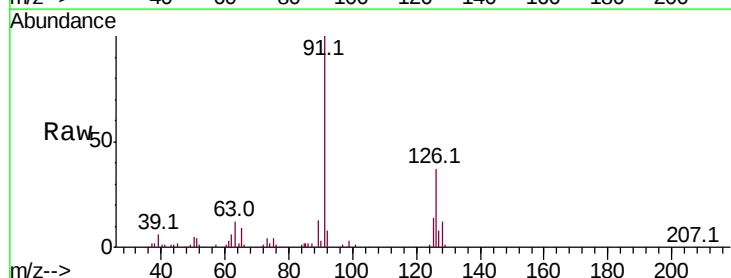
Acq: 18 Nov 2020 11:20

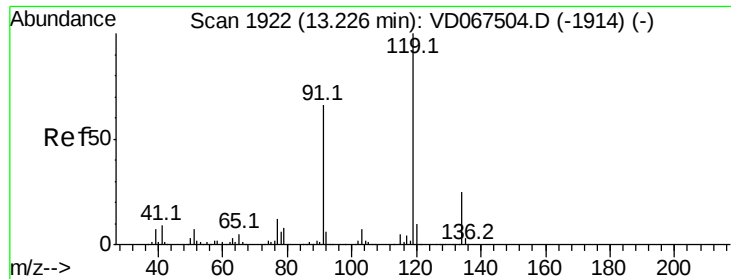
Tgt Ion: 91 Resp: 189154

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7

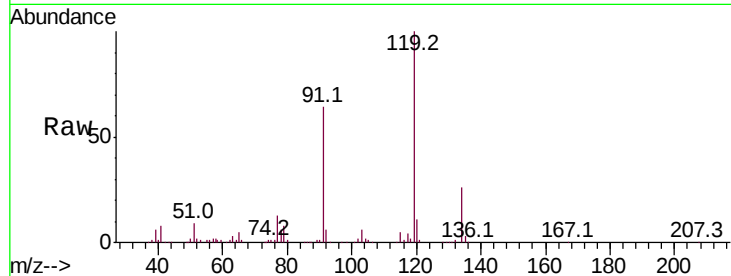




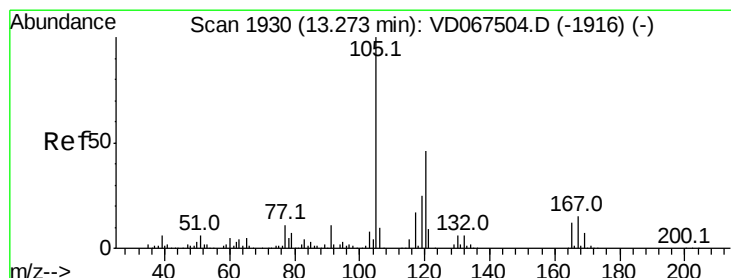
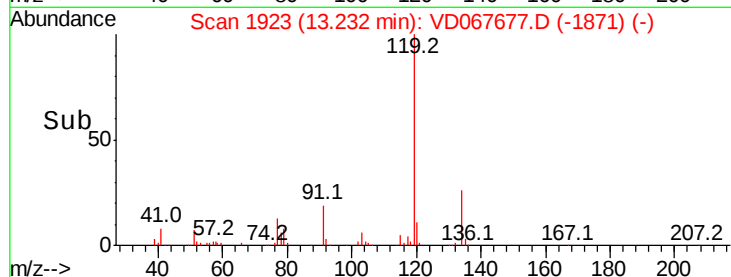
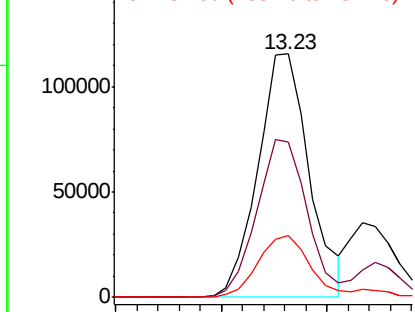
#83
tert-Butylbenzene
Concen: 22.144 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion:119 Resp: 195670
Ion Ratio Lower Upper
119 100
91 63.7 32.7 98.1
134 25.7 13.4 40.2

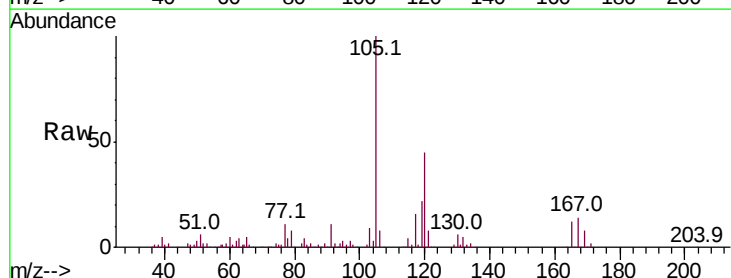


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

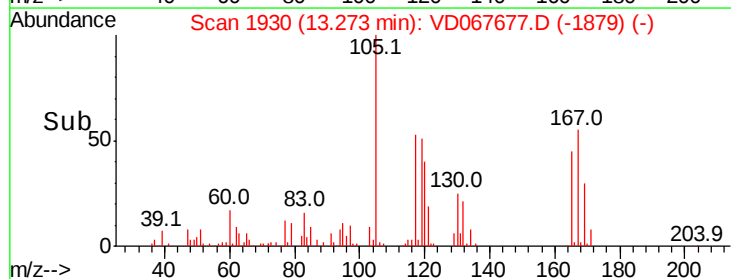
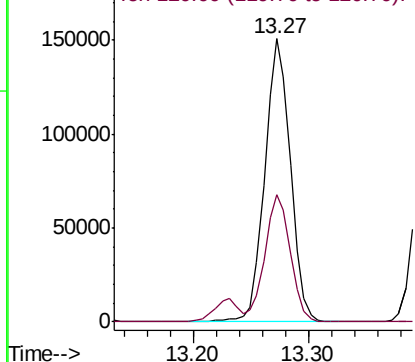


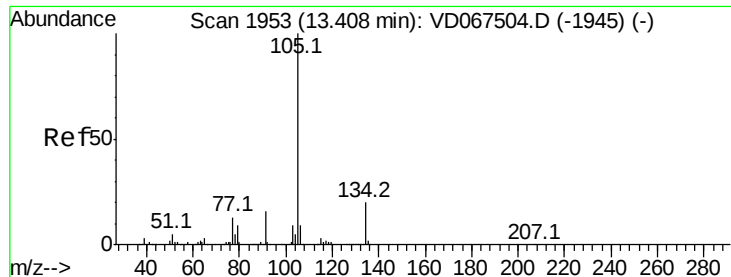
#84
1,2,4-Trimethylbenzene
Concen: 22.541 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion:105 Resp: 233938
Ion Ratio Lower Upper
105 100
120 44.5 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

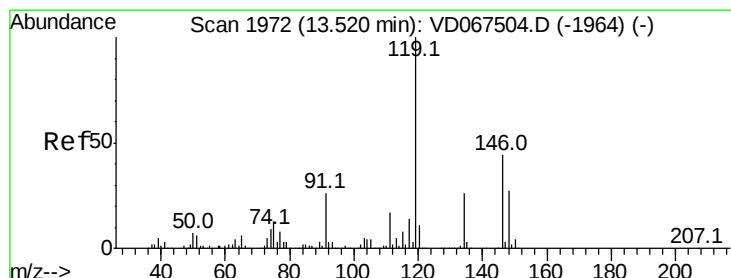
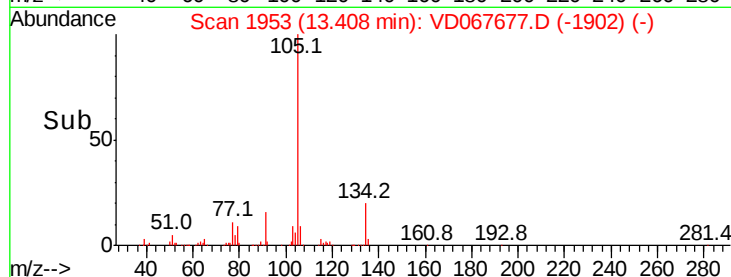
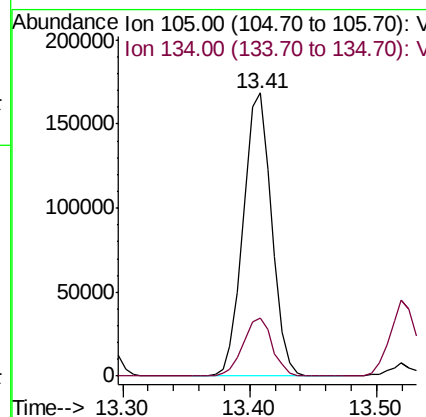
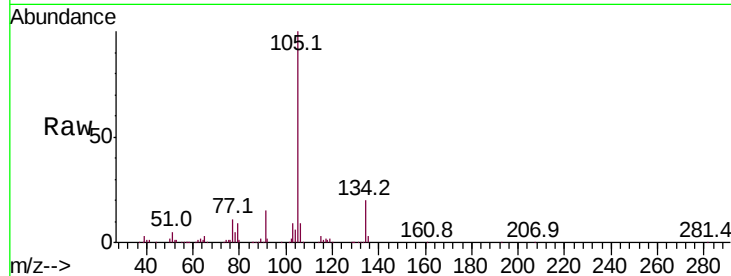




#85
 sec-Butylbenzene
 Concen: 21.856 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

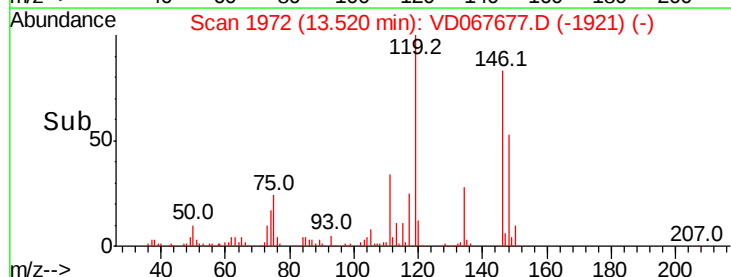
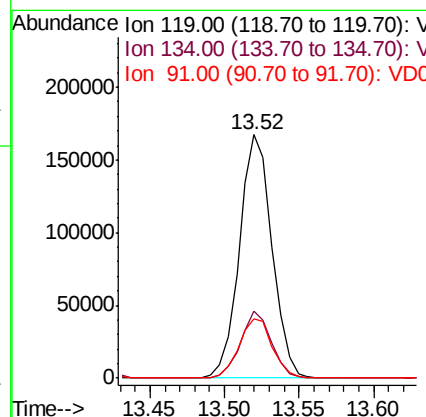
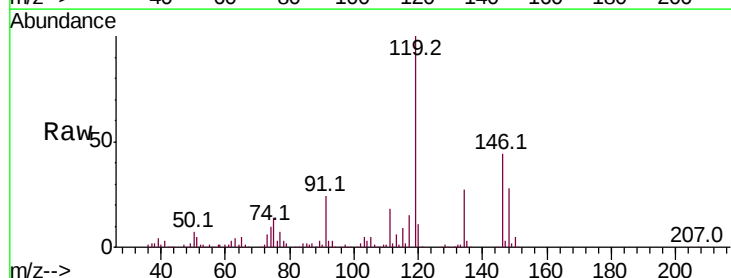
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

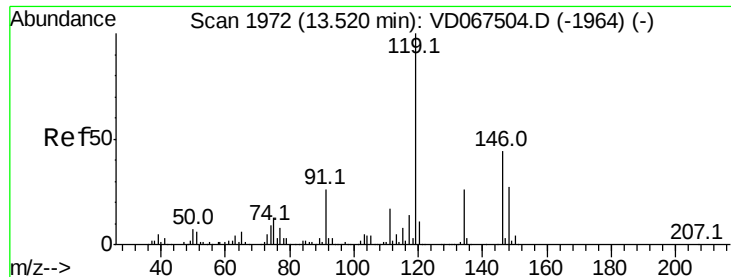
Tot Ion:105 Resp: 260712
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 21.945 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion:119 Resp: 252782
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 25.4 12.2 36.4

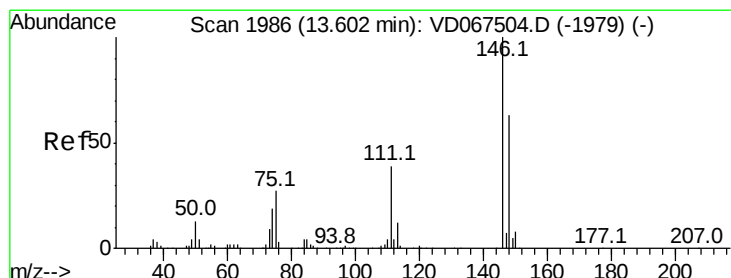
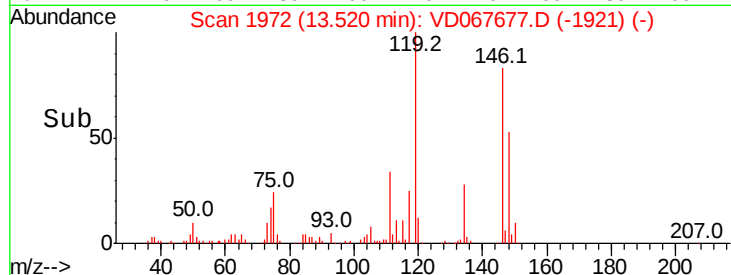
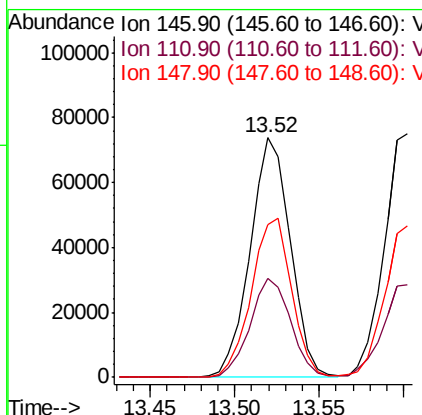
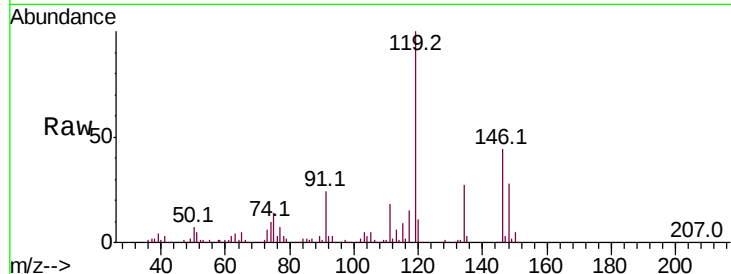




#87
 1,3-Dichlorobenzene
 Concen: 21.388 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

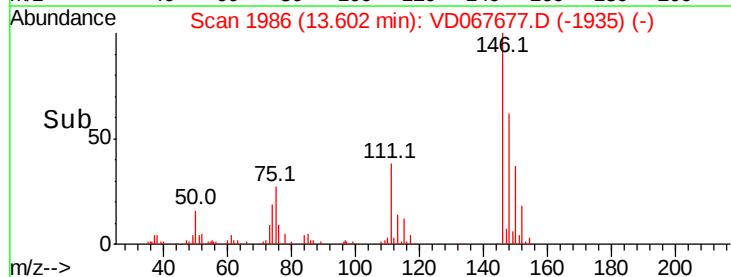
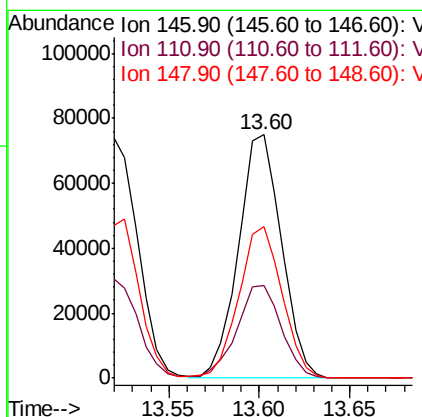
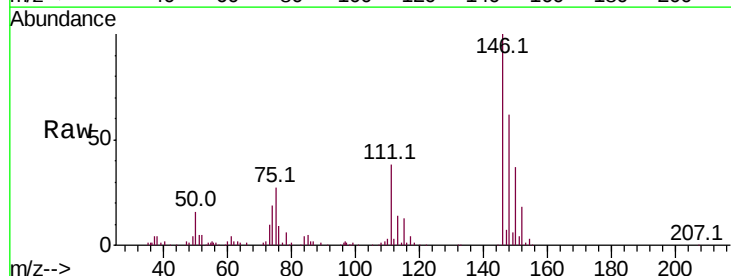
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

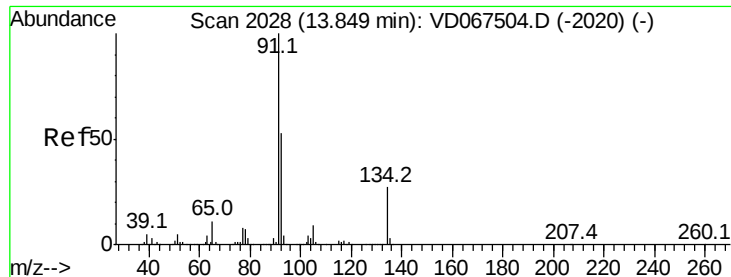
Tot Ion:146 Resp: 122326
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.3 60.8
 148 66.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.427 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067677.D
 Acq: 18 Nov 2020 11:20

Tgt Ion:146 Resp: 124090
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.6 58.7
 148 62.4 31.8 95.4

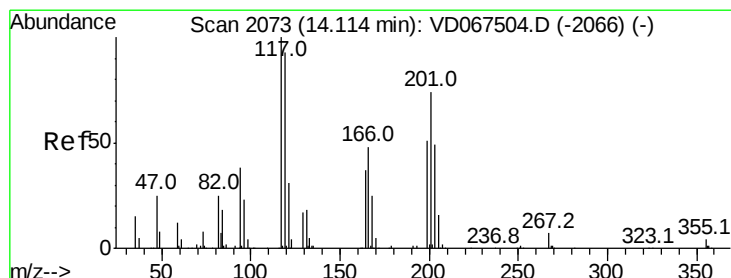
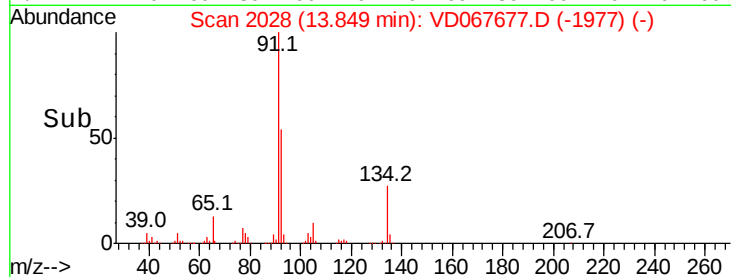
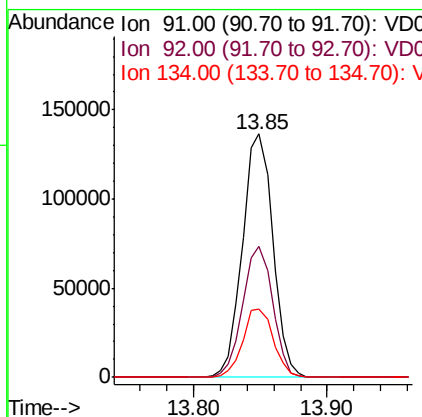
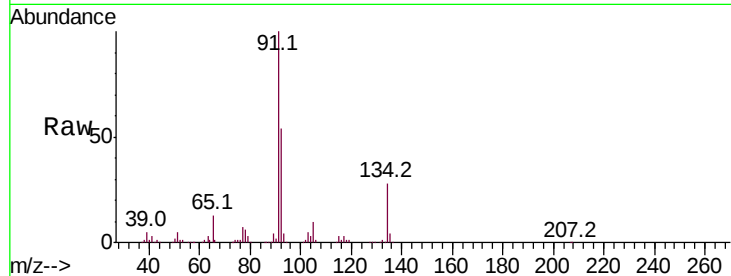




#89
n-Butylbenzene
Concen: 21.555 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

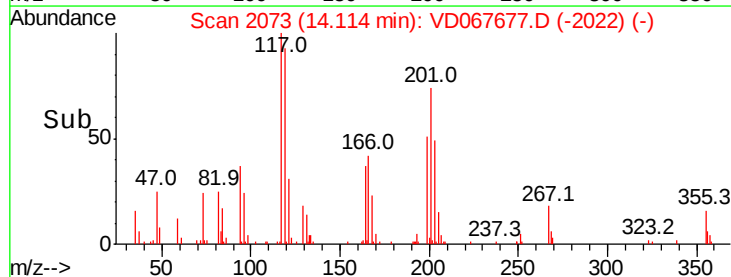
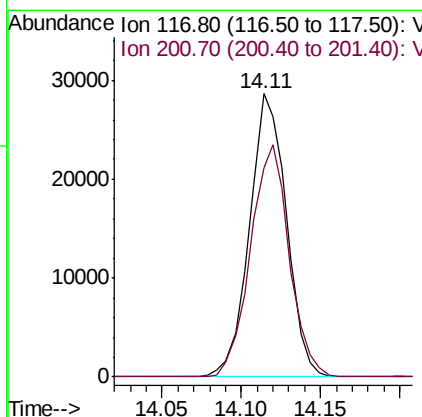
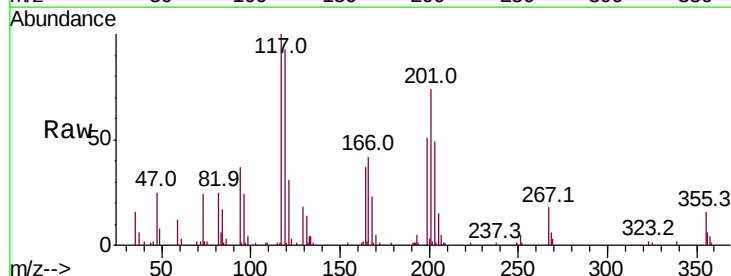
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

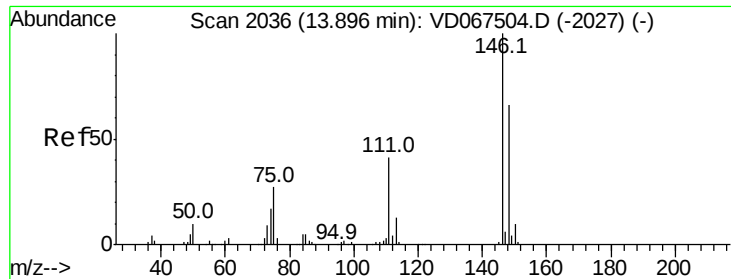
Tot Ion: 91 Resp: 214465
Ion Ratio Lower Upper
91 100
92 53.1 26.6 79.8
134 28.4 14.1 42.2



#90
Hexachloroethane
Concen: 21.336 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067677.D
Acq: 18 Nov 2020 11:20

Tgt Ion: 117 Resp: 46283
Ion Ratio Lower Upper
117 100
201 86.2 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 21.772 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

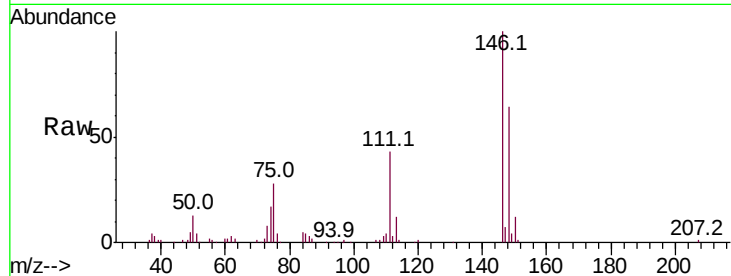
Tot Ion:146 Resp: 107771

Ion Ratio Lower Upper

146 100

111 41.0 20.7 62.1

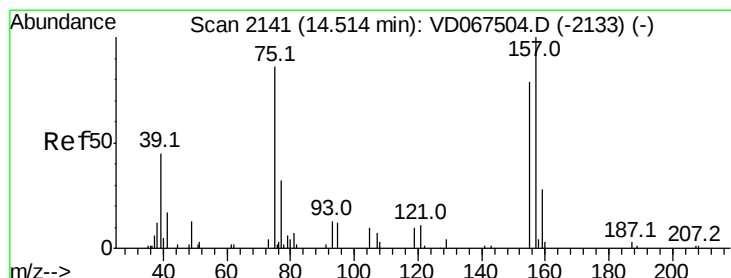
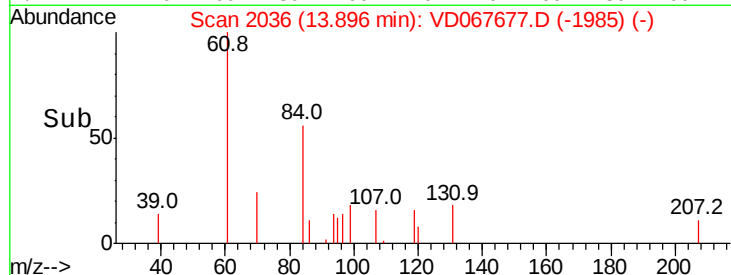
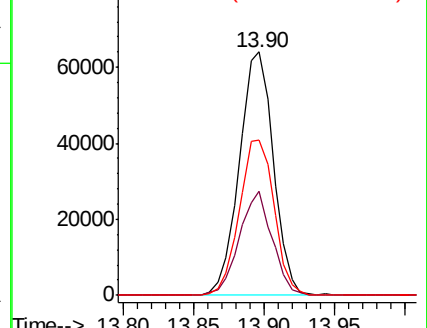
148 65.4 31.5 94.5



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: 21.930 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

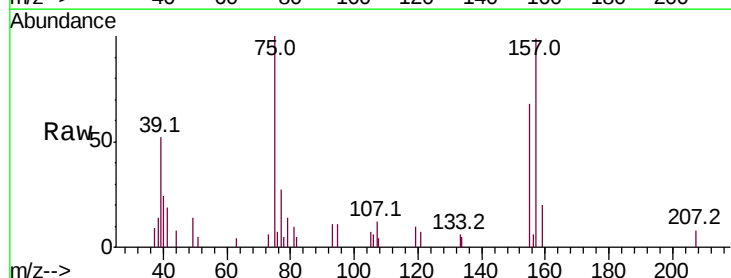
Tgt Ion: 75 Resp: 6462

Ion Ratio Lower Upper

75 100

155 87.0 46.6 139.8

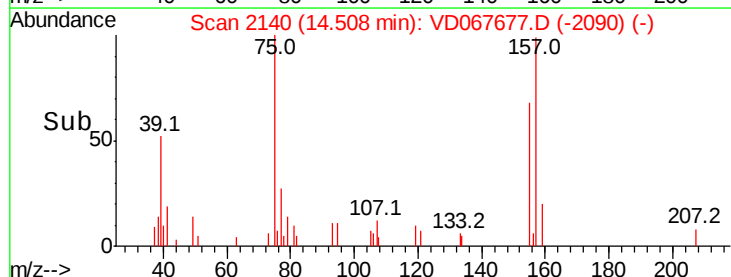
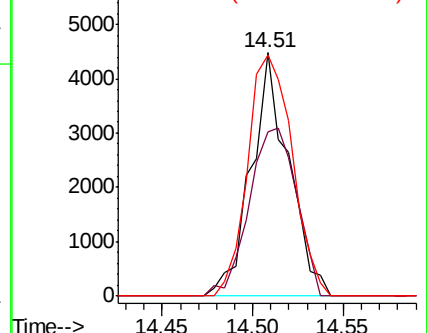
157 117.4 58.1 174.2

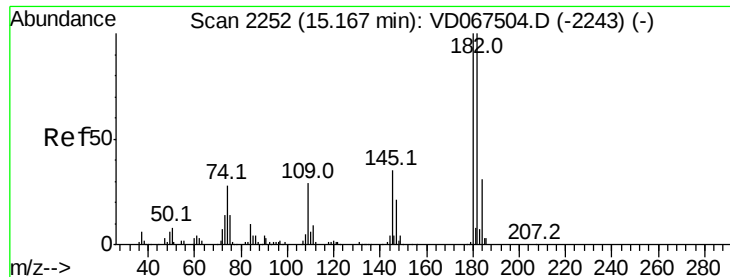


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 21.879 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBSD01

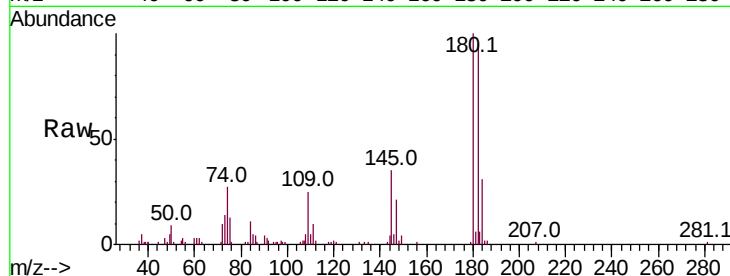
Tot Ion:180 Resp: 73507

Ion Ratio Lower Upper

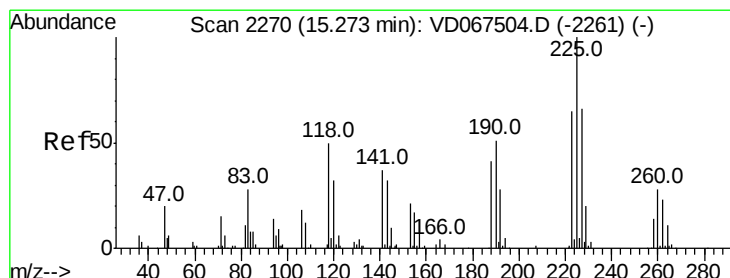
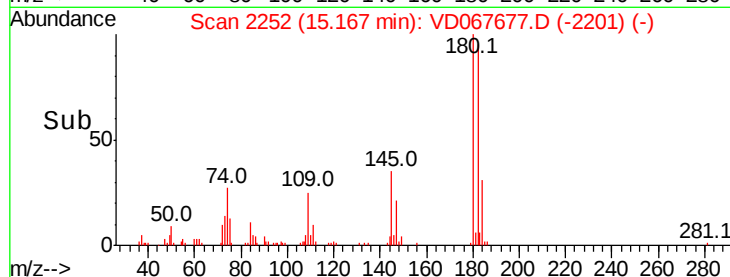
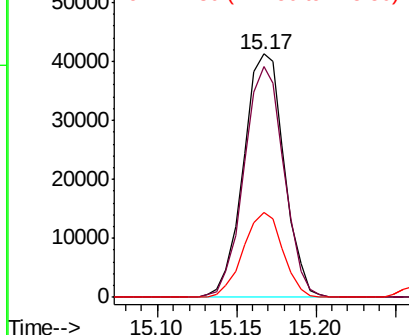
180 100

182 92.9 47.4 142.3

145 34.0 16.2 48.6



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



#94

Hexachlorobutadiene

Concen: 21.177 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

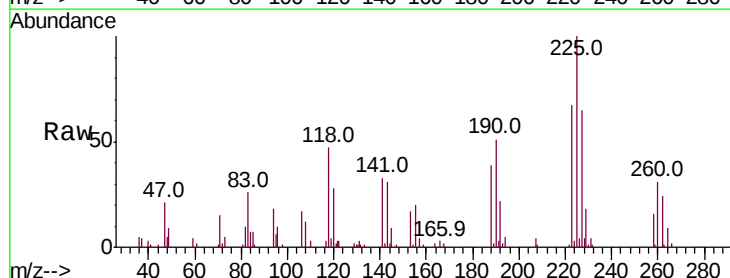
Tgt Ion:225 Resp: 47618

Ion Ratio Lower Upper

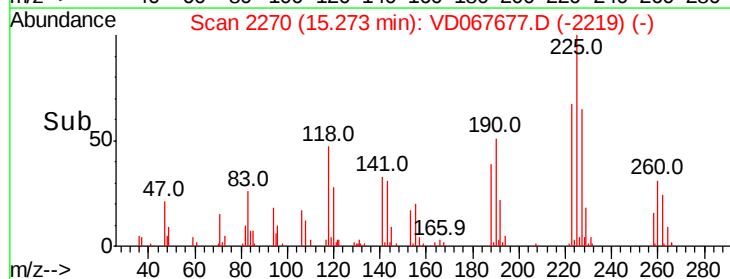
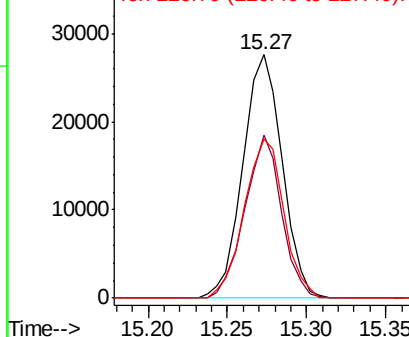
225 100

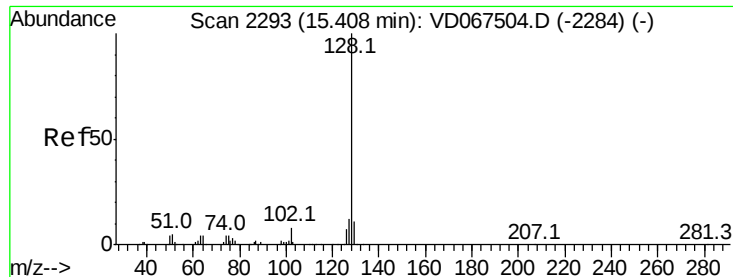
223 62.1 31.9 95.5

227 65.7 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.522 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

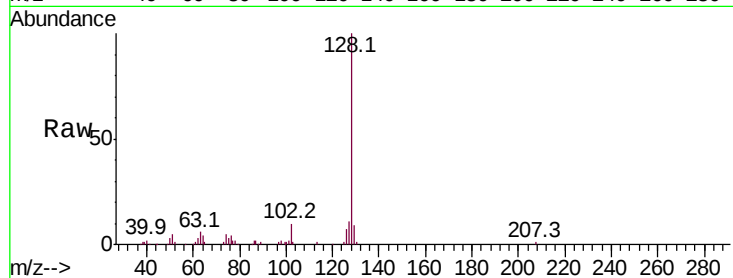
Tot Ion:128 Resp: 106404

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.4

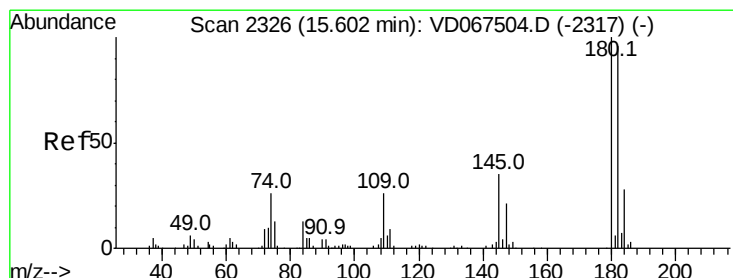
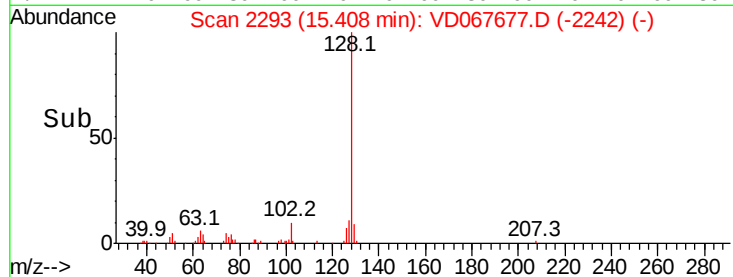
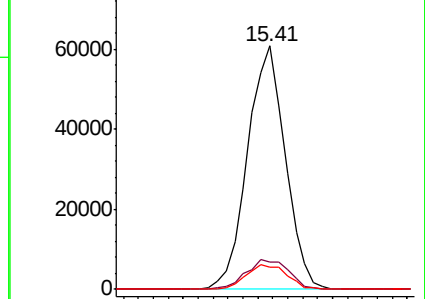
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.132 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD067677.D

Acq: 18 Nov 2020 11:20

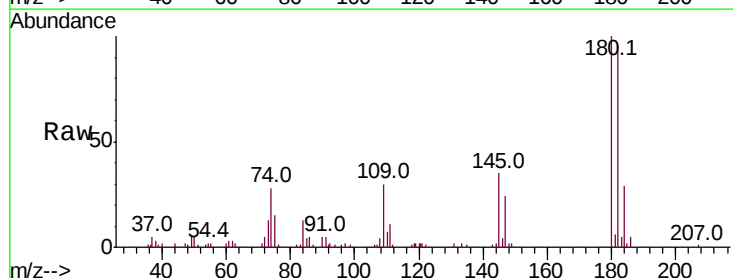
Tgt Ion:180 Resp: 60797

Ion Ratio Lower Upper

180 100

182 93.3 46.9 140.8

145 34.8 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

