

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067837.D
 Acq On : 02 Dec 2020 15:48
 Operator : VA/SY
 Sample : VD1202SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Quant Time: Dec 03 00:34:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	243447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	351276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	327903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	181434	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	124909	47.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.58%
35) Dibromofluoromethane	7.92	113	114333	48.64	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.28%
50) Toluene-d8	10.34	98	421844	49.85	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.70%
62) 4-Bromofluorobenzene	12.64	95	156159	53.38	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	41535	19.604	ug/l 97
3) Chloromethane	2.21	50	19363	15.836	ug/l 95
4) Vinyl Chloride	2.36	62	30297	19.674	ug/l 99
5) Bromomethane	2.76	94	40733	29.631	ug/l 85
6) Chloroethane	2.92	64	20811	20.757	ug/l 94
7) Trichlorofluoromethane	3.28	101	94613	20.079	ug/l 90
8) Diethyl Ether	3.71	74	17915	19.506	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	42845	19.940	ug/l 98
10) Methyl Iodide	4.30	142	25113	11.026	ug/l # 61
11) Tert butyl alcohol	5.19	59	11535	36.935	ug/l # 80
12) 1,1-Dichloroethene	4.07	96	40256	19.955	ug/l # 77
13) Acrolein	3.93	56	8259	82.234	ug/l # 56
14) Allyl chloride	4.71	41	36739	19.686	ug/l 96
15) Acrylonitrile	5.43	53	30070	94.423	ug/l 98
16) Acetone	4.16	43	27779	86.017	ug/l 94
17) Carbon Disulfide	4.41	76	109650	19.468	ug/l 98
18) Methyl Acetate	4.71	43	11543	18.588	ug/l 93
19) Methyl tert-butyl Ether	5.47	73	86827	20.100	ug/l 100
20) Methylene Chloride	4.97	84	48541	20.805	ug/l 93
21) trans-1,2-Dichloroethene	5.48	96	45052	19.626	ug/l 94
22) Diisopropyl ether	6.36	45	77691	20.698	ug/l # 93
23) Vinyl Acetate	6.31	43	218684	104.728	ug/l 93
24) 1,1-Dichloroethane	6.27	63	68631	20.859	ug/l 95
25) 2-Butanone	7.21	43	33052	97.304	ug/l 89
26) 2,2-Dichloropropane	7.21	77	82575	21.046	ug/l 97
27) cis-1,2-Dichloroethene	7.22	96	49890	19.870	ug/l 97
28) Bromochloromethane	7.55	49	18704	17.904	ug/l 92
29) Tetrahydrofuran	7.57	42	19870	102.736	ug/l 97
30) Chloroform	7.71	83	85994	19.557	ug/l 99
31) Cyclohexane	7.99	56	57615	20.924	ug/l 93
32) 1,1,1-Trichloroethane	7.91	97	94774	20.418	ug/l 99
36) 1,1-Dichloropropene	8.11	75	62287	20.483	ug/l 99
37) Ethyl Acetate	7.30	43	15250	18.607	ug/l # 80
38) Carbon Tetrachloride	8.10	117	92349	20.071	ug/l 95

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 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73450	20.382	ug/l	95
40) Benzene	8.36	78	165286	19.864	ug/l	100
41) Methacrylonitrile	7.53	41	7246	15.531	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	58109	19.594	ug/l	99
43) Isopropyl Acetate	8.45	43	31364	19.449	ug/l #	81
44) Trichloroethene	9.12	130	57012	19.928	ug/l	98
45) 1,2-Dichloropropane	9.39	63	34695	20.315	ug/l	94
46) Dibromomethane	9.48	93	23907	20.134	ug/l	97
47) Bromodichloromethane	9.67	83	66293	19.584	ug/l	96
48) Methyl methacrylate	9.46	41	15221	18.588	ug/l	99
49) 1,4-Dioxane	9.46	88	5289	389.814	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	72617	95.143	ug/l	100
52) Toluene	10.41	92	121249	20.842	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	58858	20.145	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	65192	20.513	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	31981	19.681	ug/l	91
56) Ethyl methacrylate	10.66	69	30522	18.461	ug/l	99
57) 1,3-Dichloropropane	10.95	76	49014	19.042	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	60939	81.001	ug/l	99
59) 2-Hexanone	10.99	43	48837	90.768	ug/l	100
60) Dibromochloromethane	11.14	129	50013	20.417	ug/l	99
61) 1,2-Dibromoethane	11.25	107	31588	19.767	ug/l	96
64) Tetrachloroethene	10.88	164	52923	19.787	ug/l	90
65) Chlorobenzene	11.67	112	133785	19.773	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.74	131	54795	19.856	ug/l	95
67) Ethyl Benzene	11.75	91	236311	20.503	ug/l	100
68) m/p-Xylenes	11.86	106	187926	41.351	ug/l	97
69) o-Xylene	12.18	106	84796	21.017	ug/l	98
70) Styrene	12.20	104	146086	20.823	ug/l	99
71) Bromoform	12.37	173	28986	19.843	ug/l #	98
73) Isopropylbenzene	12.48	105	242017	19.397	ug/l	99
74) N-amyl acetate	12.29	43	27451	17.786	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	28111	17.065	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	43250	32.734	ug/l	27
77) Bromobenzene	12.76	156	57491	18.534	ug/l	97
78) n-propylbenzene	12.83	91	263878	19.081	ug/l	99
79) 2-Chlorotoluene	12.91	91	153144	18.824	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	209832	19.424	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	9974	18.058	ug/l	95
82) 4-Chlorotoluene	13.01	91	165401	19.059	ug/l	100
83) tert-Butylbenzene	13.23	119	179796	19.558	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	209118	19.467	ug/l	99
85) sec-Butylbenzene	13.41	105	237215	19.334	ug/l	98
86) p-Isopropyltoluene	13.52	119	229029	19.046	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	112068	18.729	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	109796	18.342	ug/l	99
89) n-Butylbenzene	13.85	91	191320	19.151	ug/l	99
90) Hexachloroethane	14.11	117	40282	18.144	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	98093	18.902	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5987	17.415	ug/l	98

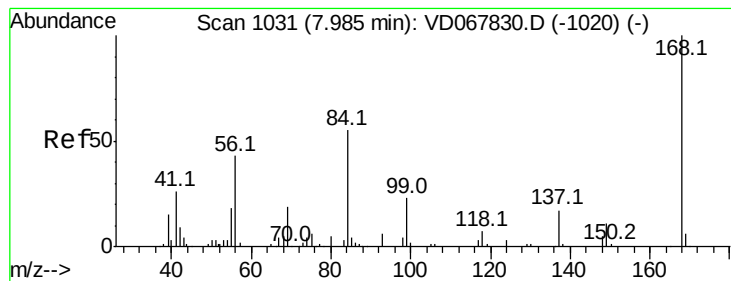
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QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	67926	18.712	ug/l	99
94) Hexachlorobutadiene	15.27	225	44295	18.700	ug/l	97
95) Naphthalene	15.40	128	104017	17.609	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	57430	18.320	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

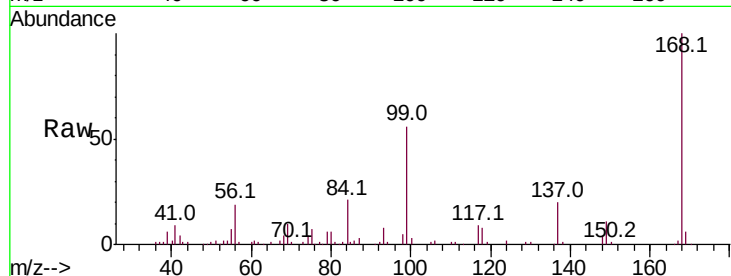
VD1202SBS01

Tot Ion:168 Resp: 243447

Ion Ratio Lower Upper

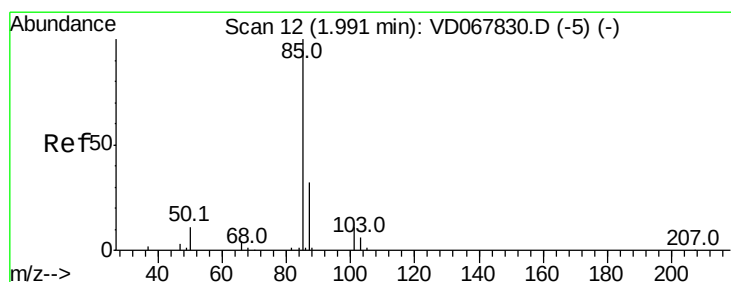
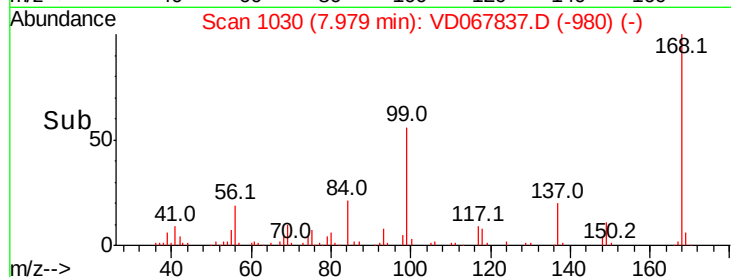
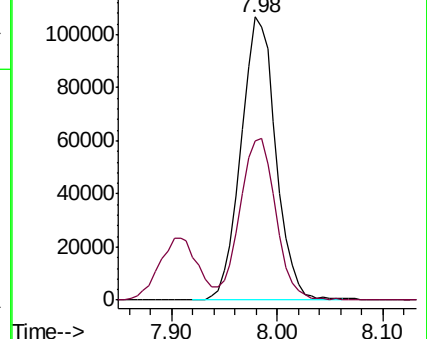
168 100

99 55.8 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.604 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067837.D

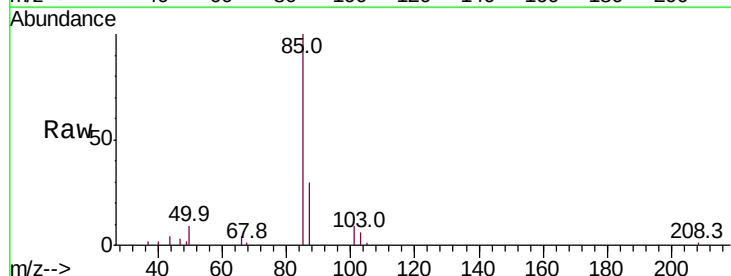
Acq: 02 Dec 2020 15:48

Tgt Ion: 85 Resp: 41535

Ion Ratio Lower Upper

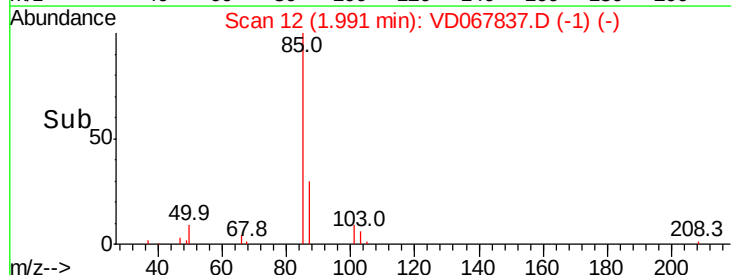
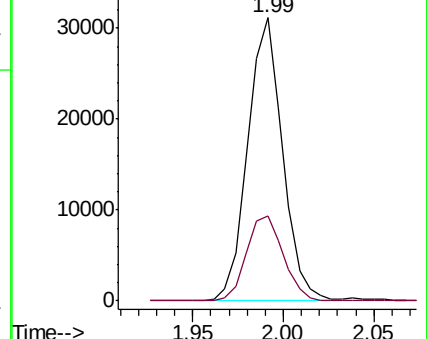
85 100

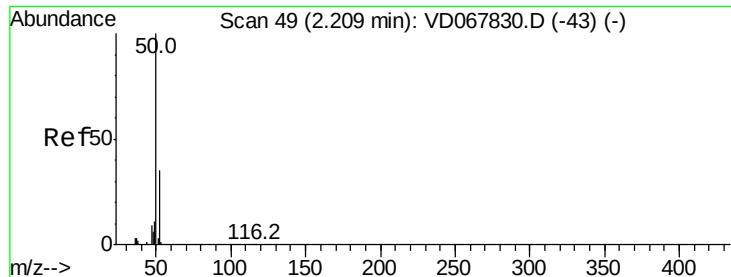
87 29.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.836 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

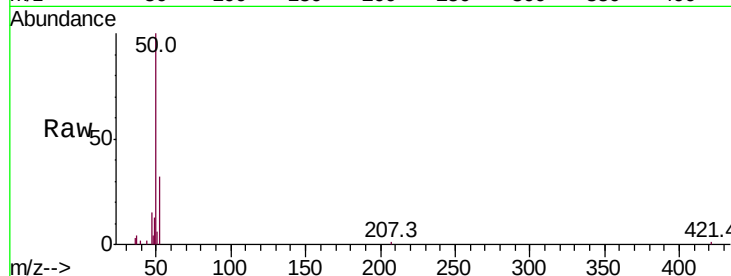
VD1202SBS01

Tot Ion: 50 Resp: 19363

Ion Ratio Lower Upper

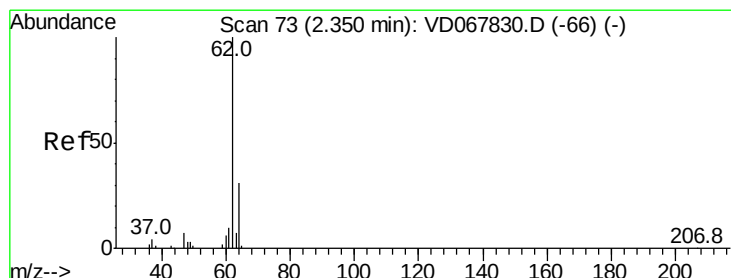
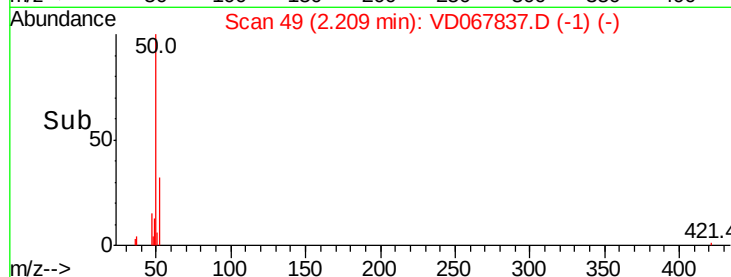
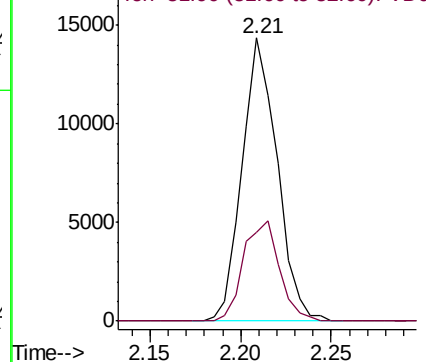
50 100

52 31.6 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.674 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067837.D

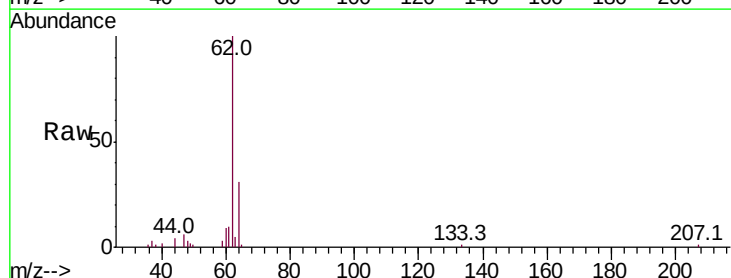
Acq: 02 Dec 2020 15:48

Tgt Ion: 62 Resp: 30297

Ion Ratio Lower Upper

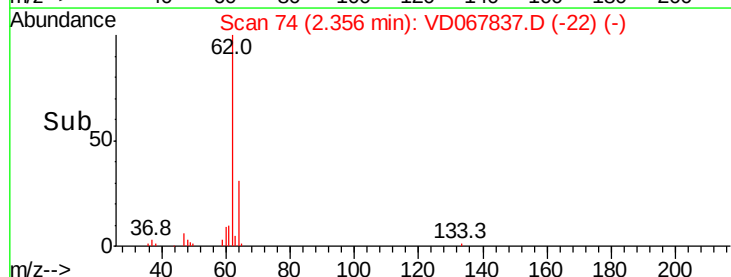
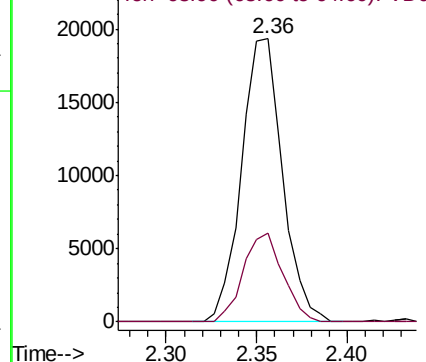
62 100

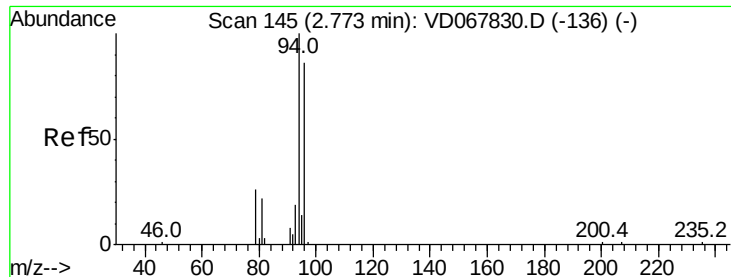
64 31.2 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 29.631 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

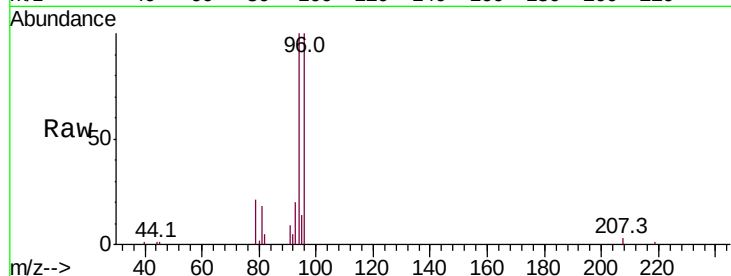
VD1202SBS01

Tot Ion: 94 Resp: 40733

Ion Ratio Lower Upper

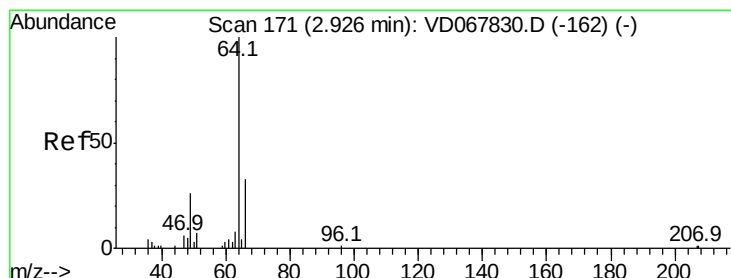
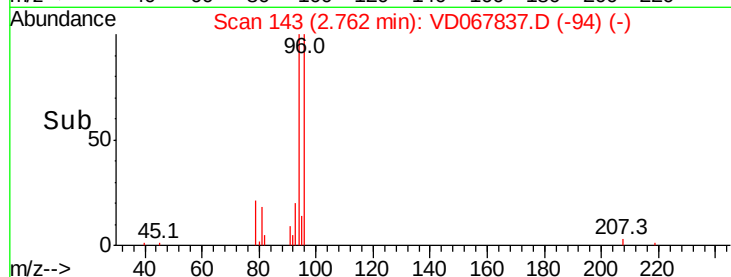
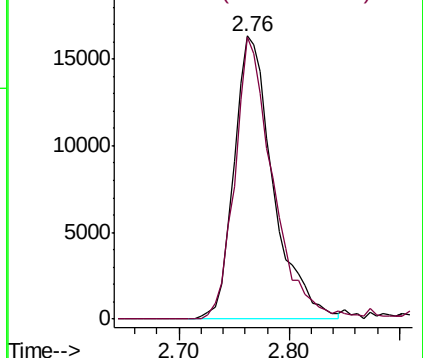
94 100

96 99.7 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.757 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067837.D

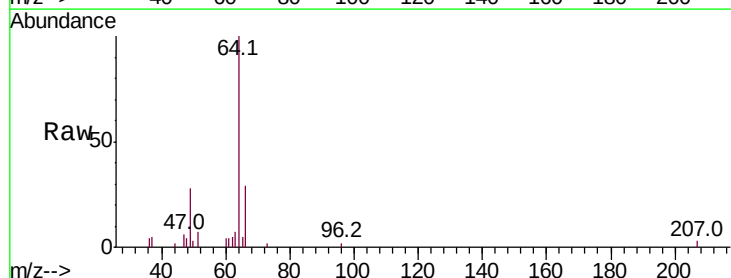
Acq: 02 Dec 2020 15:48

Tgt Ion: 64 Resp: 20811

Ion Ratio Lower Upper

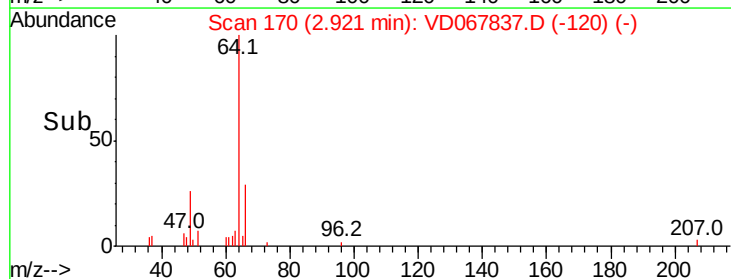
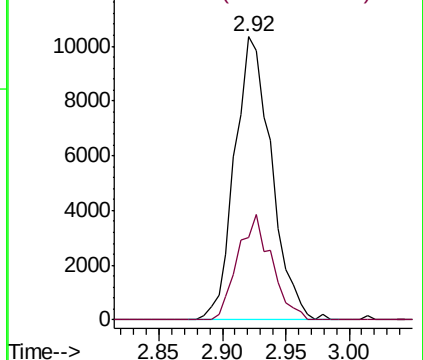
64 100

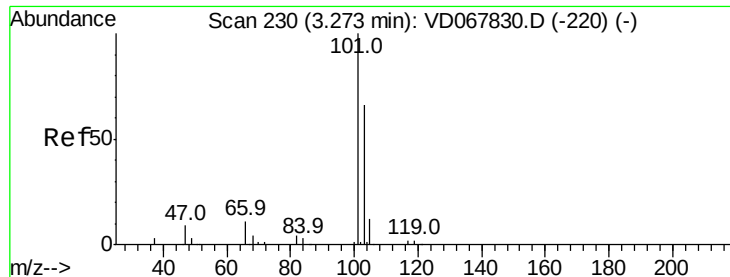
66 29.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



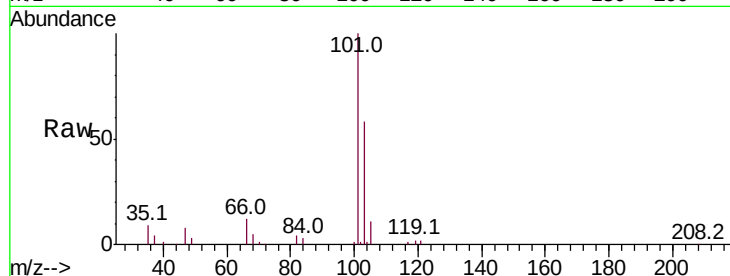


#7

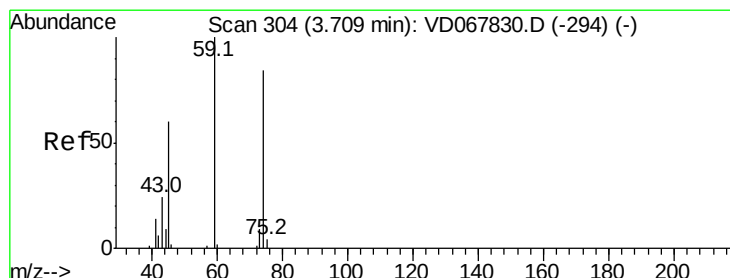
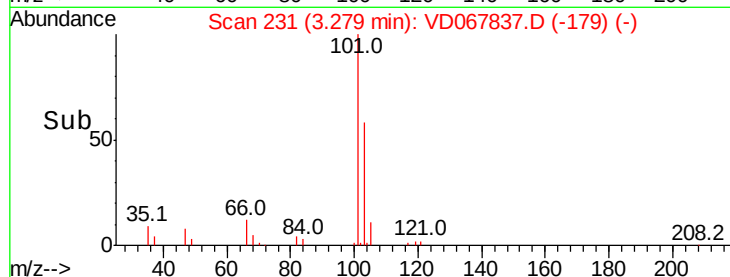
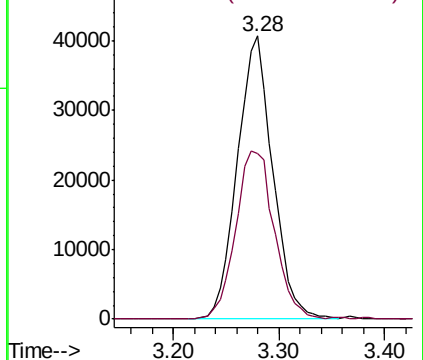
Trichlorofluoromethane
Concen: 20.079 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion:101 Resp: 94613
Ion Ratio Lower Upper
101 100
103 58.4 53.0 79.6



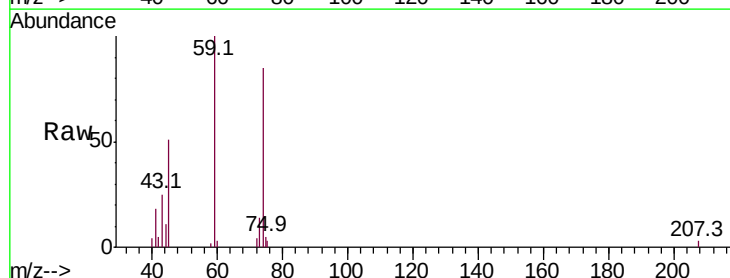
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



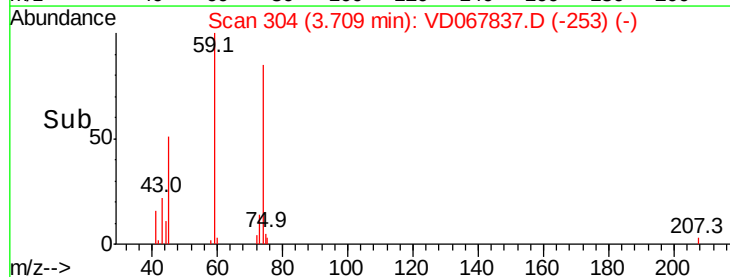
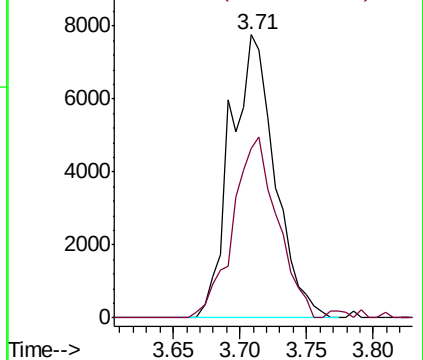
#8

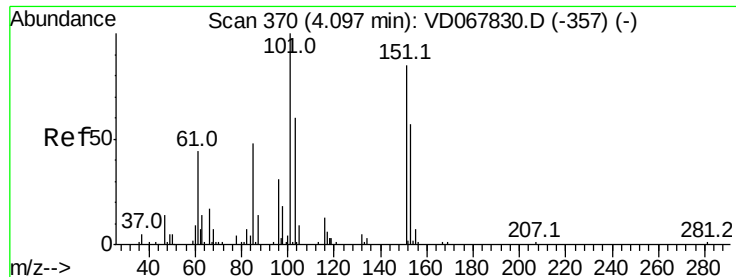
Diethyl Ether
Concen: 19.506 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 74 Resp: 17915
Ion Ratio Lower Upper
74 100
45 63.9 33.9 101.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.940 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

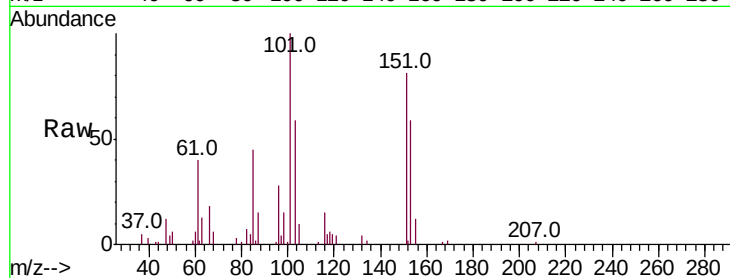
Tot Ion:101 Resp: 42845

Ion Ratio Lower Upper

101 100

85 47.2 36.2 54.4

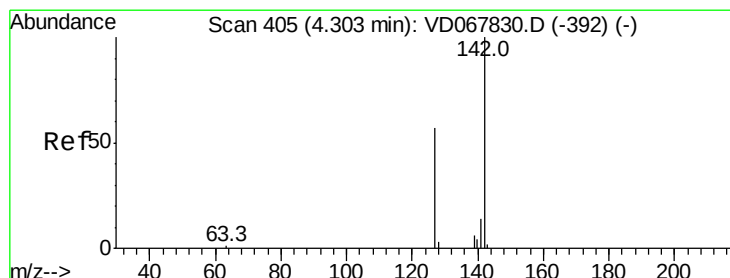
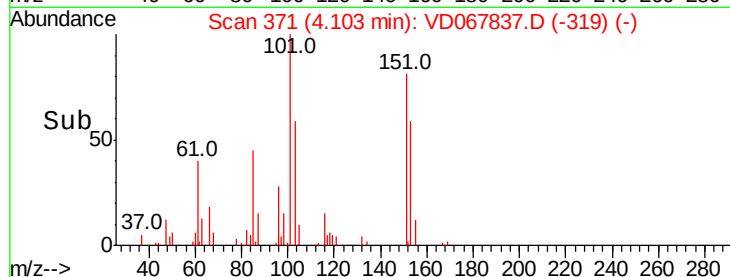
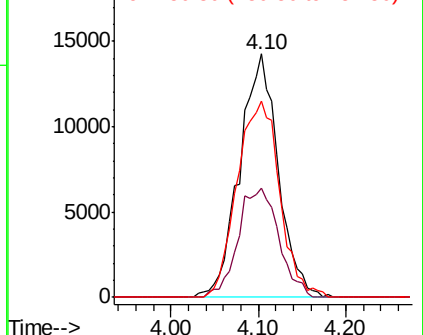
151 88.7 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 11.026 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

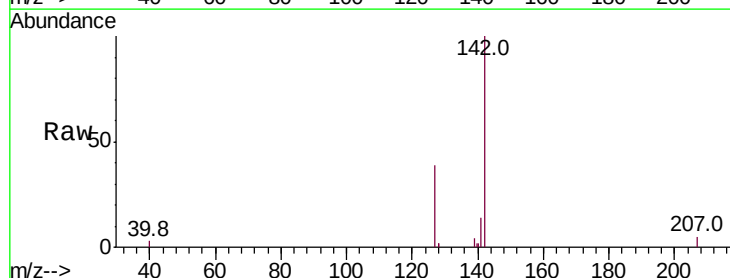
Tgt Ion:142 Resp: 25113

Ion Ratio Lower Upper

142 100

127 20.0 43.9 65.9#

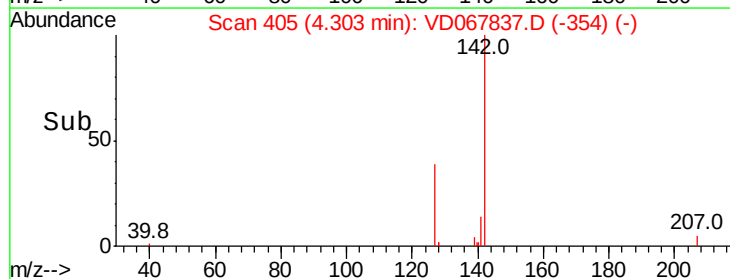
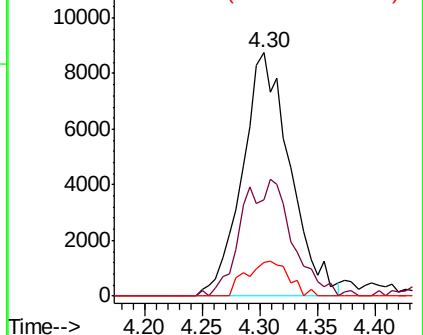
141 12.9 12.2 18.2

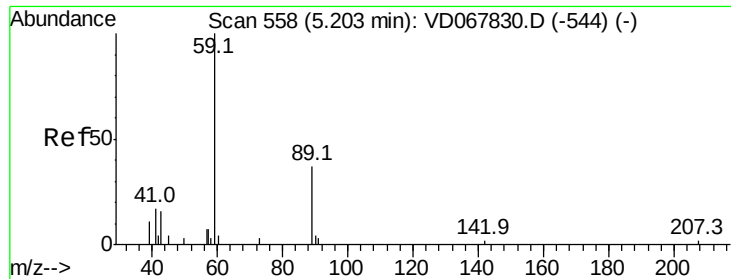


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



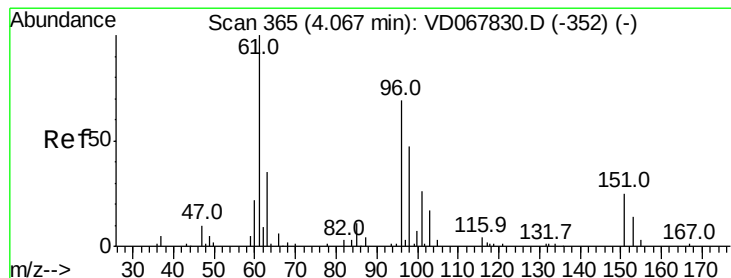
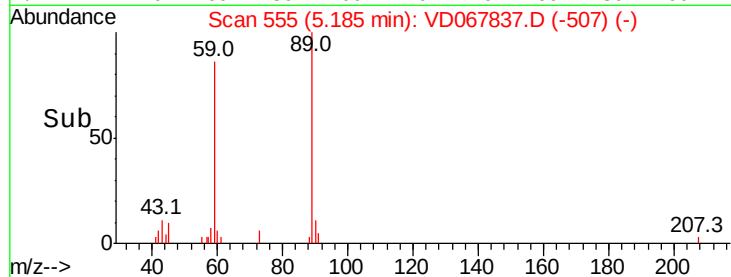
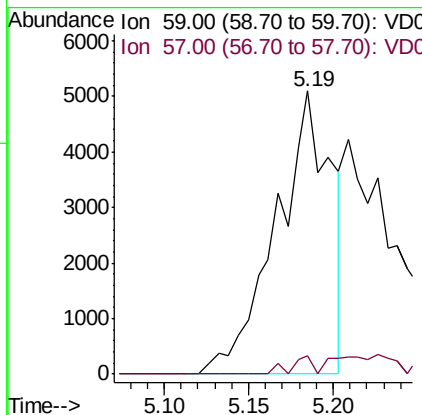
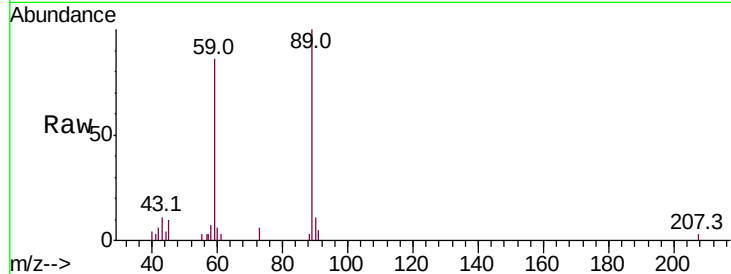


#11

Tert butyl alcohol
Concen: 36.935 ug/l
RT: 5.19 min Scan# 555
Delta R.T. -0.02 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

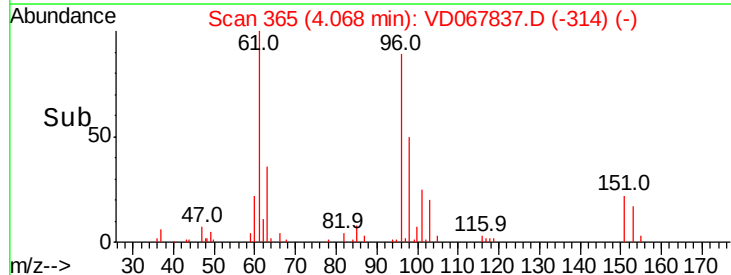
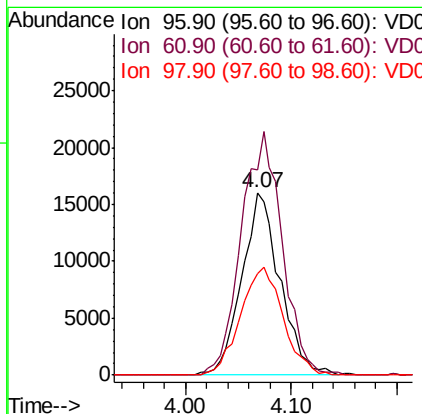
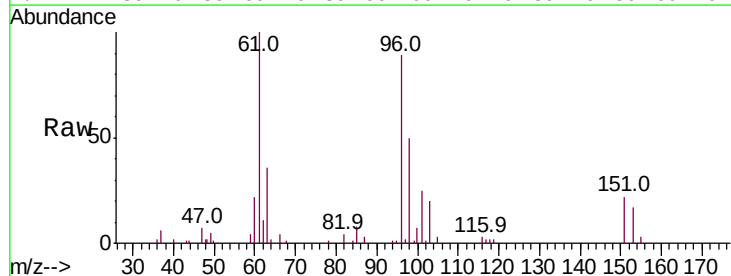
Tot Ion: 59 Resp: 11535
Ion Ratio Lower Upper
59 100
57 2.4 7.7 11.5#

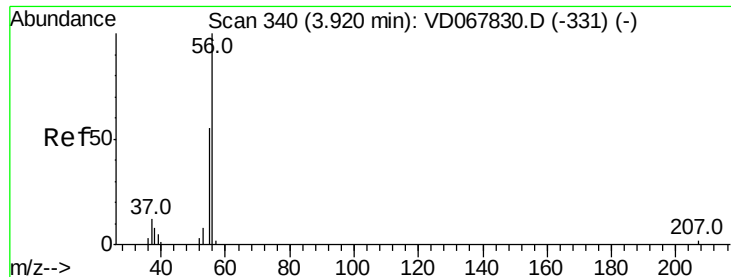


#12

1,1-Dichloroethene
Concen: 19.955 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 96 Resp: 40256
Ion Ratio Lower Upper
96 100
61 112.4 116.1 174.1#
98 55.8 54.6 82.0





#13

Acrolein

Concen: 82.234 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

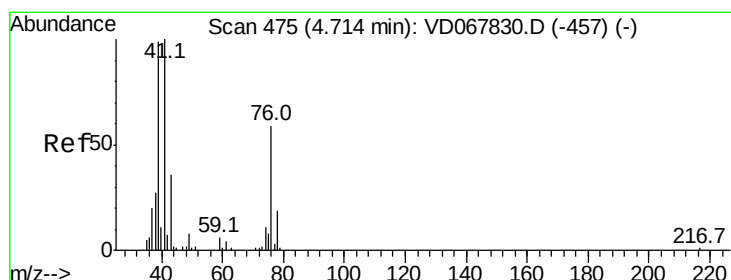
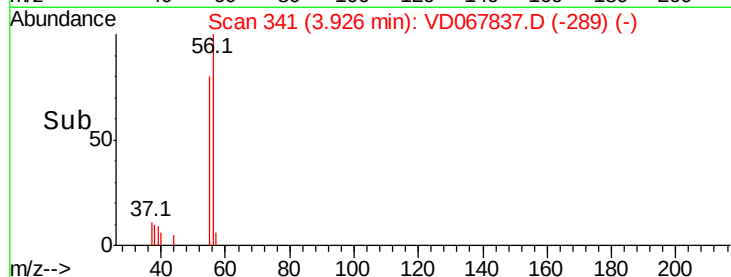
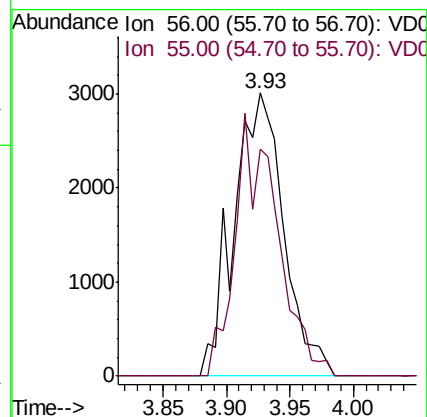
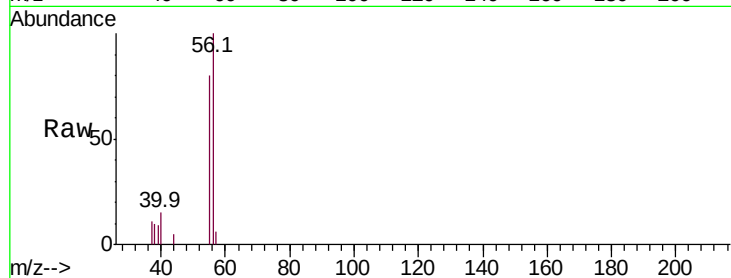
VD1202SBS01

Tot Ion: 56 Resp: 8259

Ion Ratio Lower Upper

56 100

55 34.4 56.5 84.7#



#14

Allyl chloride

Concen: 19.686 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

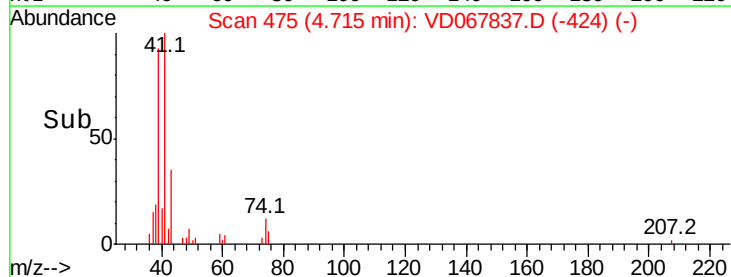
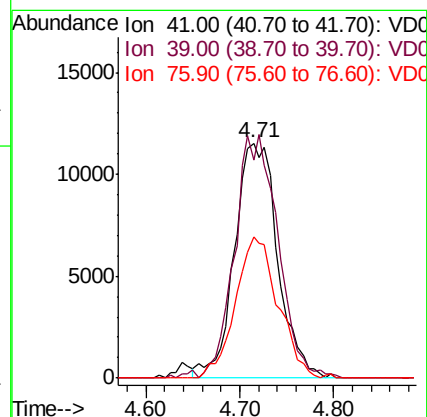
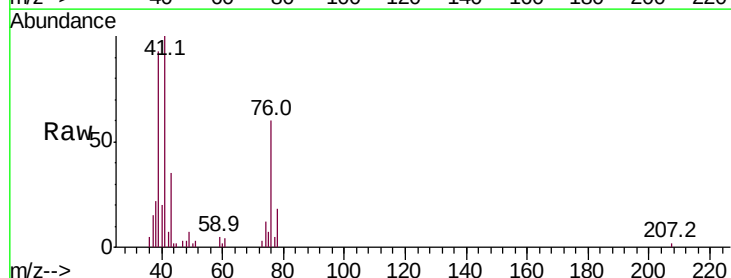
Tgt Ion: 41 Resp: 36739

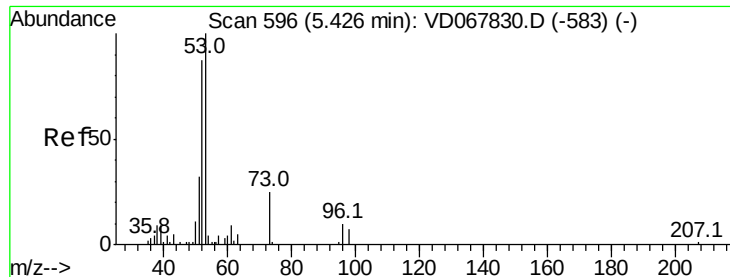
Ion Ratio Lower Upper

41 100

39 103.9 79.0 118.6

76 59.1 46.6 70.0





#15

Acrylonitrile

Concen: 94.423 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

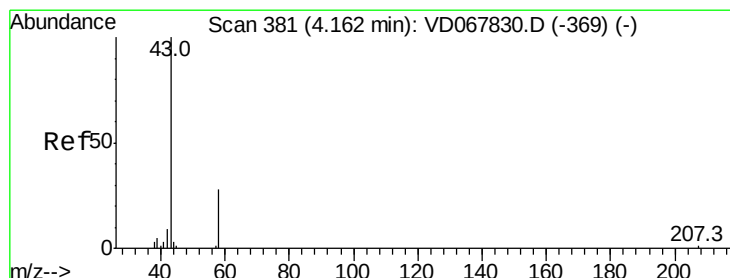
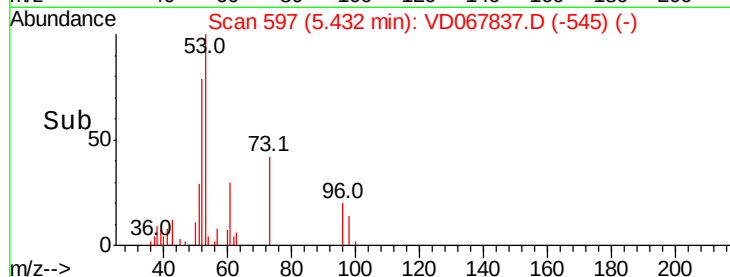
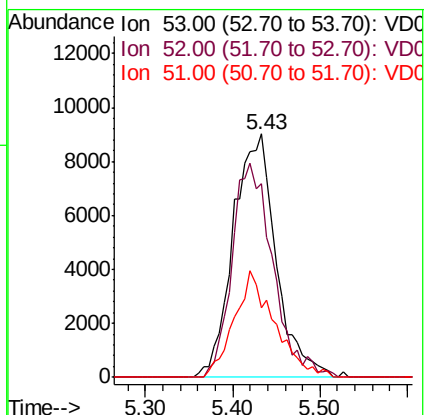
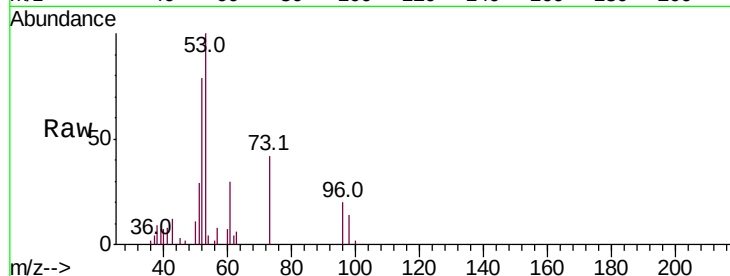
Tot Ion: 53 Resp: 30070

Ion Ratio Lower Upper

53 100

52 83.8 66.2 99.2

51 41.3 31.1 46.7



#16

Acetone

Concen: 86.017 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067837.D

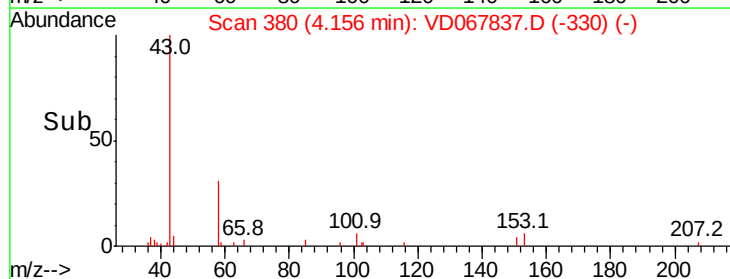
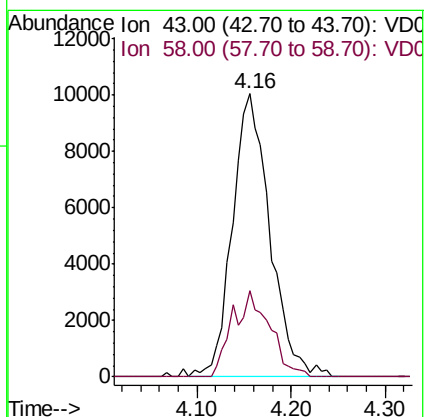
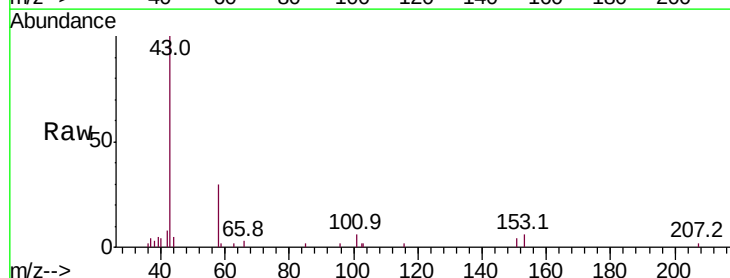
Acq: 02 Dec 2020 15:48

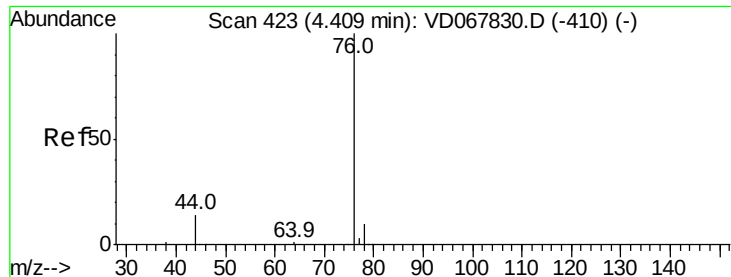
Tgt Ion: 43 Resp: 27779

Ion Ratio Lower Upper

43 100

58 30.3 21.9 32.9

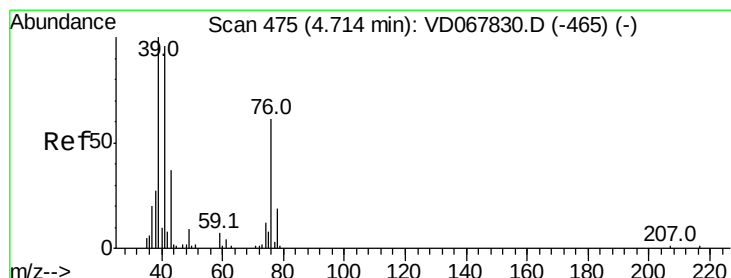
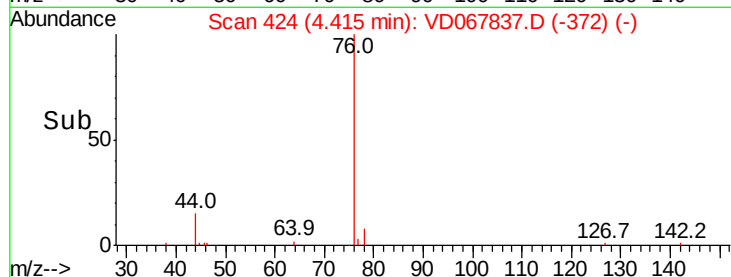
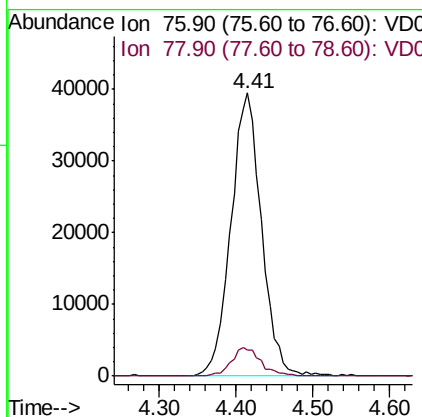
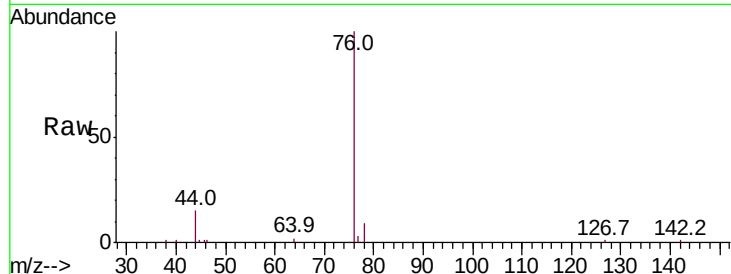




#17
Carbon Disulfide
Concen: 19.468 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

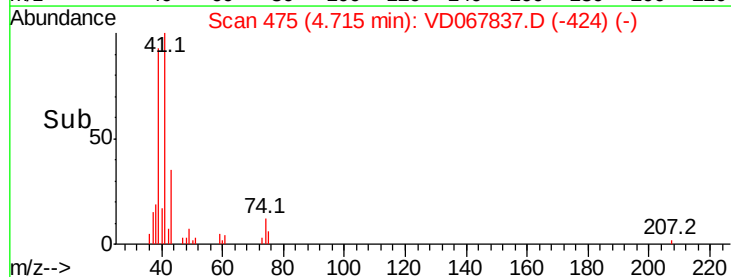
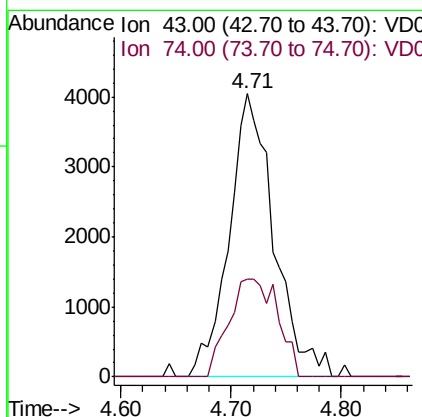
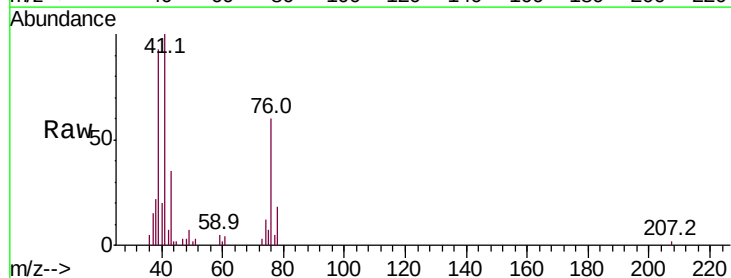
Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

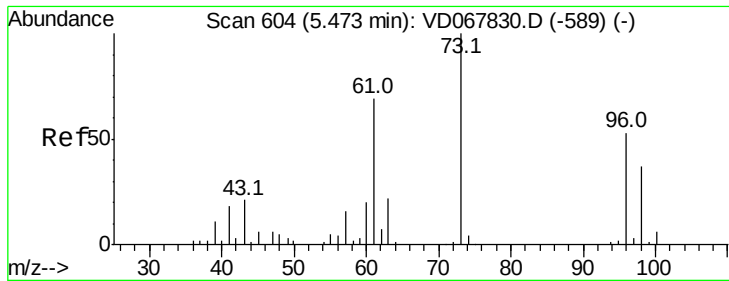
Tot Ion: 76 Resp: 109650
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6



#18
Methyl Acetate
Concen: 18.588 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 43 Resp: 11543
Ion Ratio Lower Upper
43 100
74 37.6 27.0 40.4

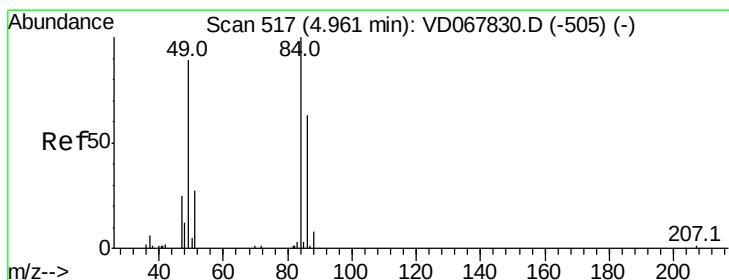
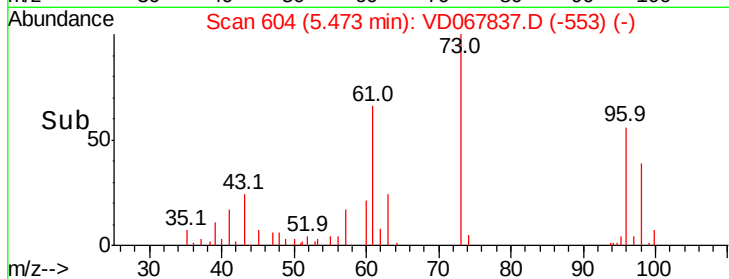
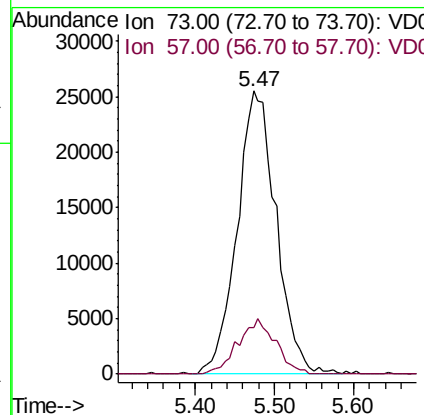
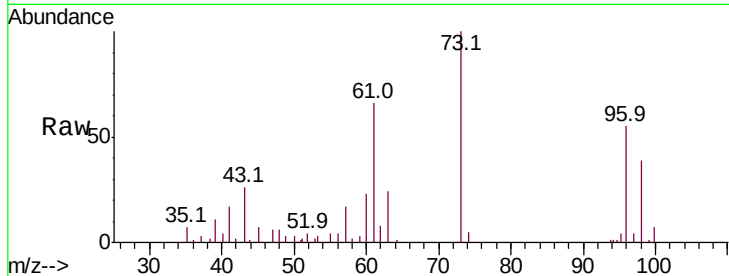




#19
Methyl tert-butyl Ether
Concen: 20.100 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

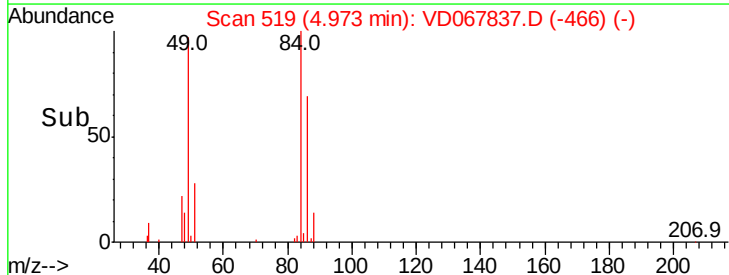
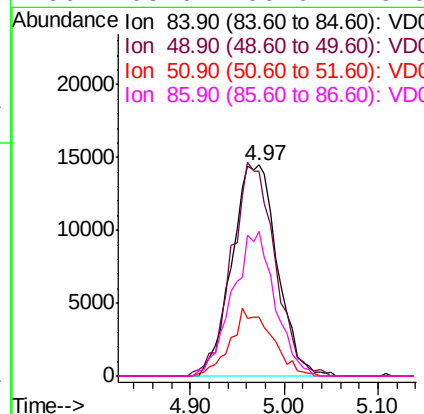
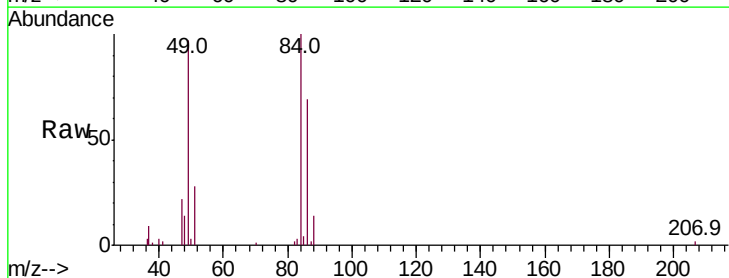
Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

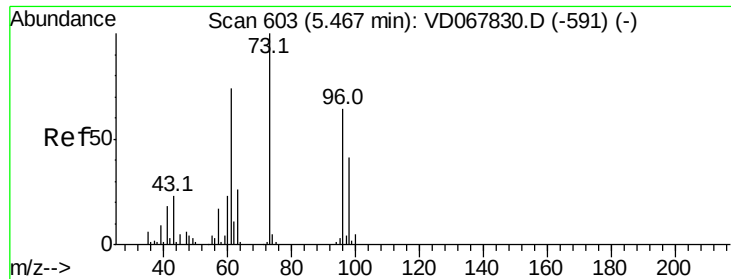
Tot Ion: 73 Resp: 86827
Ion Ratio Lower Upper
73 100
57 16.5 13.2 19.8



#20
Methylene Chloride
Concen: 20.805 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 84 Resp: 48541
Ion Ratio Lower Upper
84 100
49 97.3 71.4 107.0
51 28.0 21.8 32.8
86 68.6 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.626 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

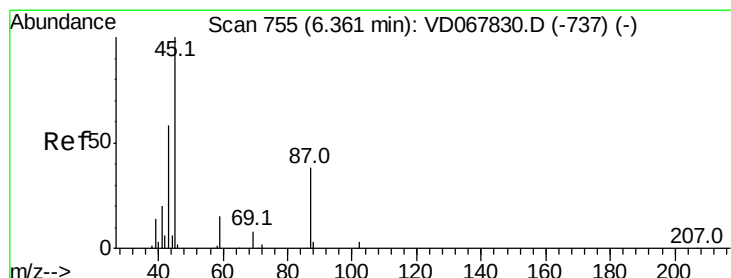
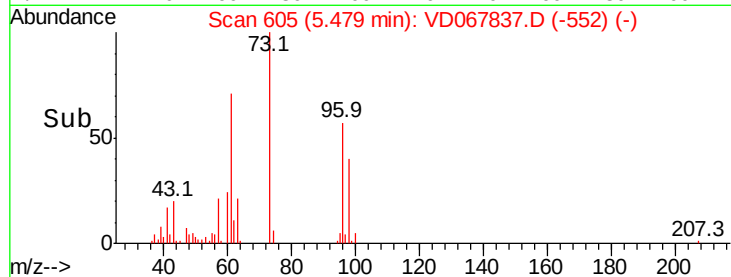
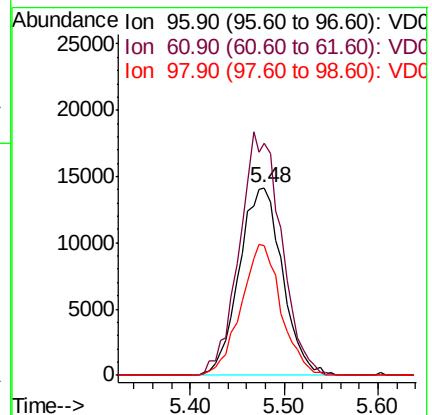
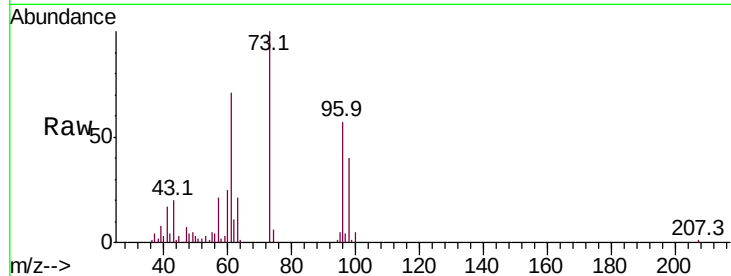
Tot Ion: 96 Resp: 45052

Ion Ratio Lower Upper

96 100

61 123.9 93.1 139.7

98 69.1 52.2 78.2



#22

Diisopropyl ether

Concen: 20.698 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion: 45 Resp: 77691

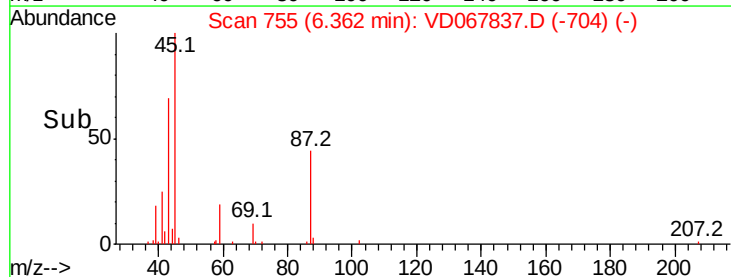
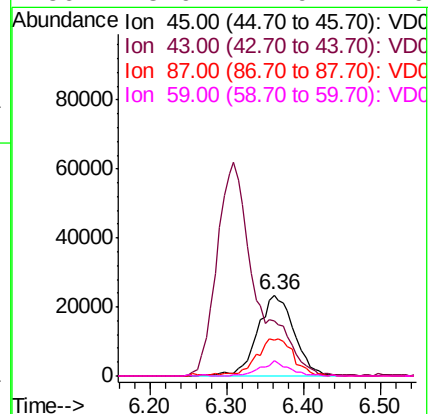
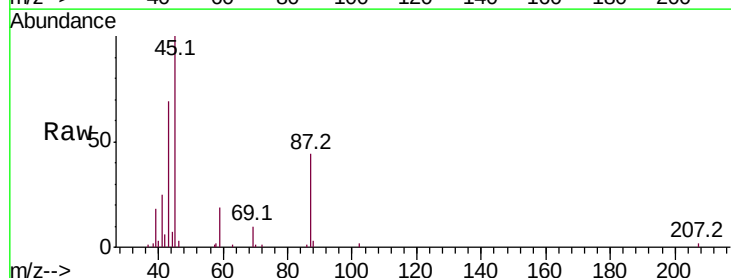
Ion Ratio Lower Upper

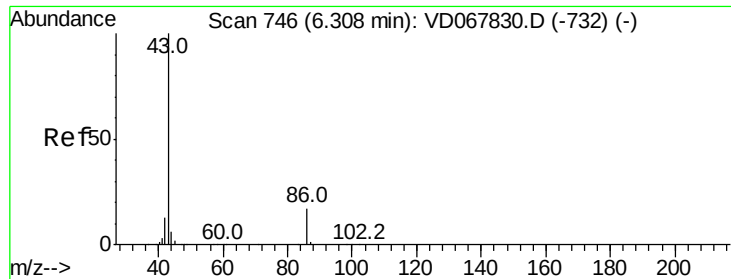
45 100

43 67.6 49.8 74.6

87 44.4 32.1 48.1

59 18.9 11.9 17.9#

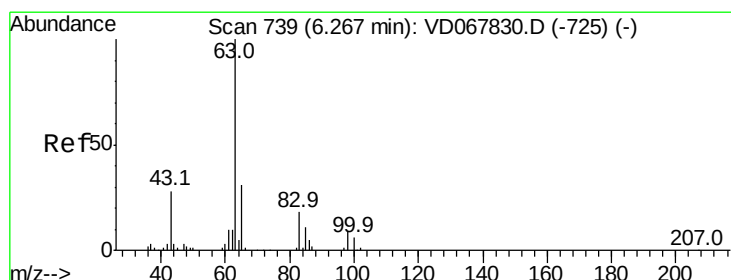
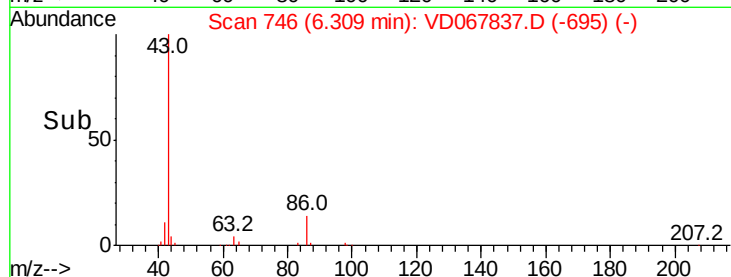
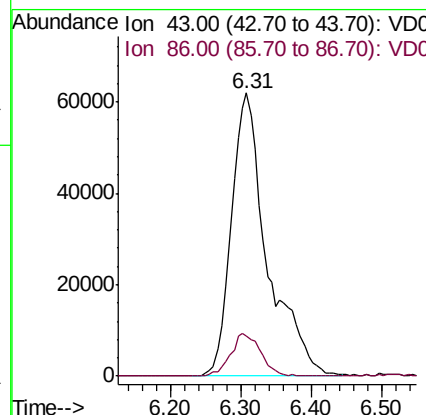
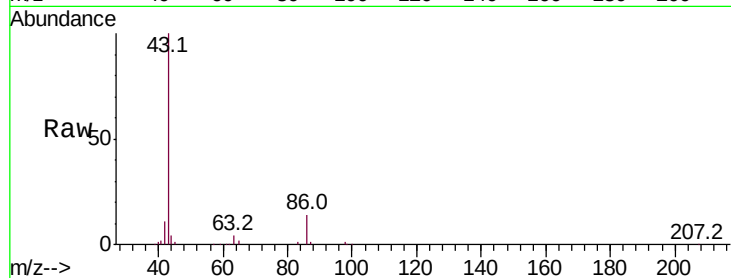




#23
 Vinyl Acetate
 Concen: 104.728 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

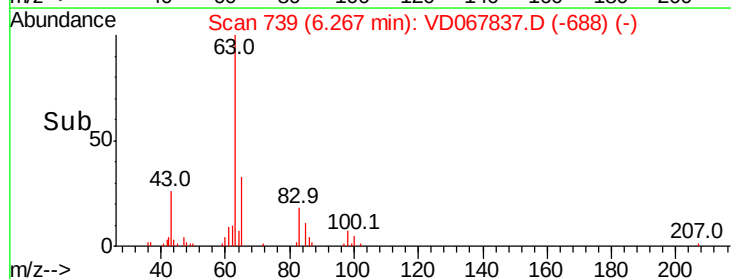
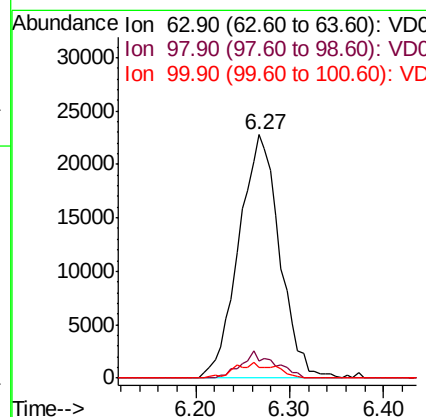
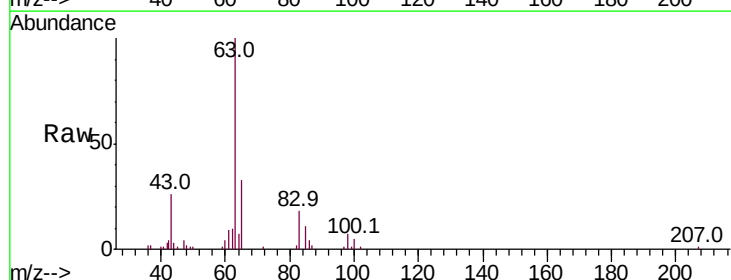
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

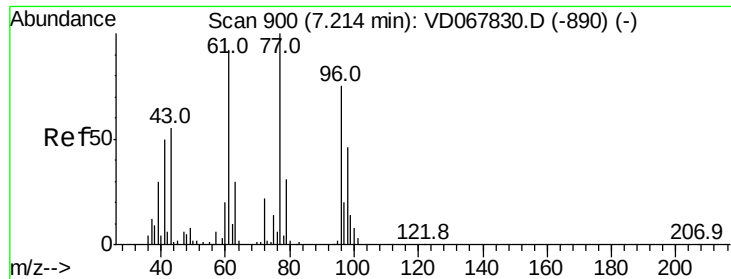
Tot Ion: 43 Resp: 218684
 Ion Ratio Lower Upper
 43 100
 86 14.2 13.8 20.6



#24
 1,1-Dichloroethane
 Concen: 20.859 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion: 63 Resp: 68631
 Ion Ratio Lower Upper
 63 100
 98 6.9 4.5 13.5
 100 4.5 3.0 9.2

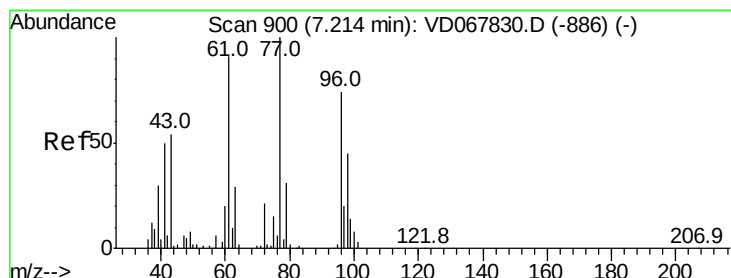
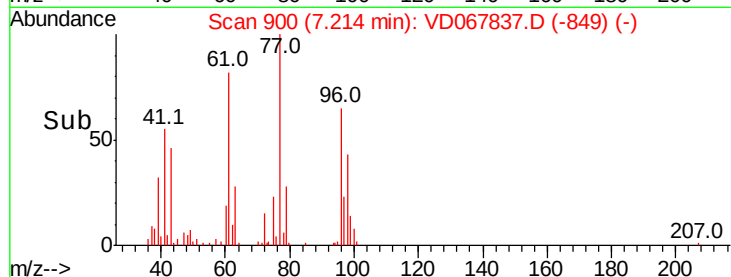
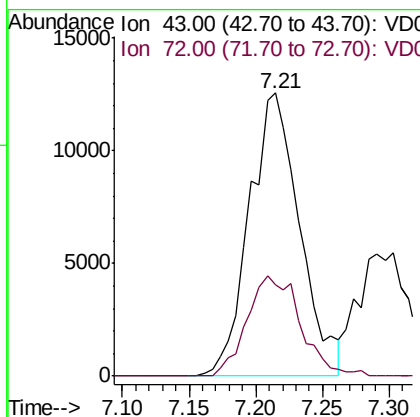
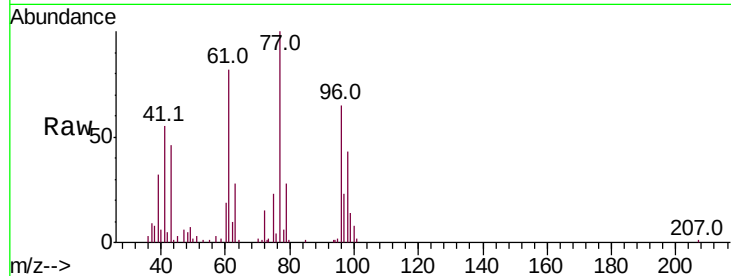




#25
2-Butanone
Concen: 97.304 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

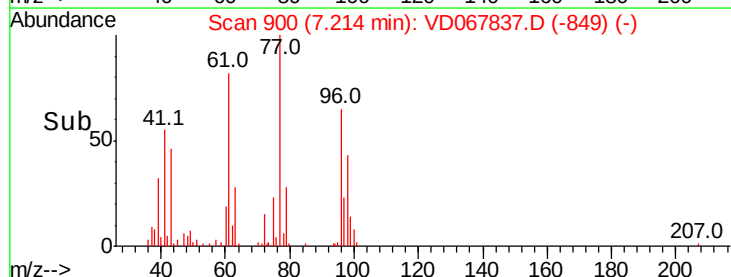
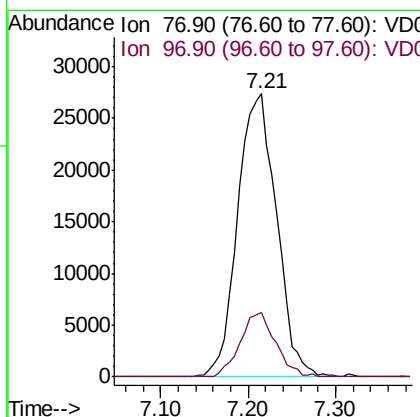
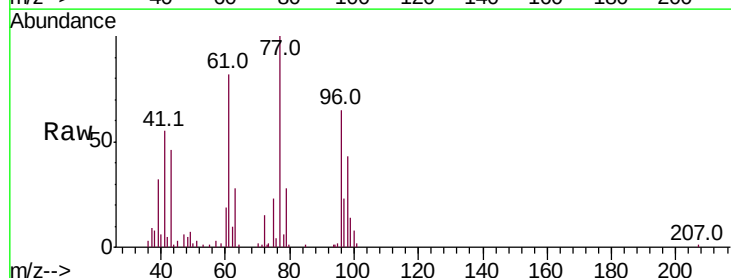
Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

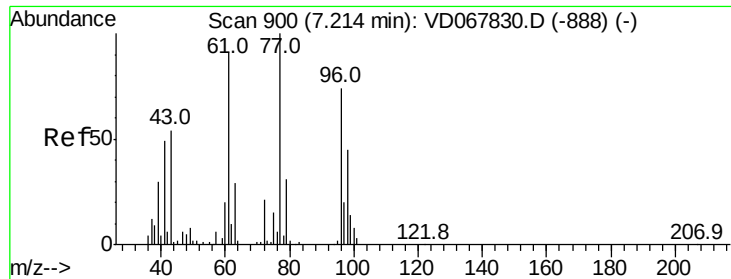
Tot Ion: 43 Resp: 33052
Ion Ratio Lower Upper
43 100
72 32.3 31.3 46.9



#26
2,2-Dichloropropane
Concen: 21.046 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 77 Resp: 82575
Ion Ratio Lower Upper
77 100
97 20.6 11.1 33.1



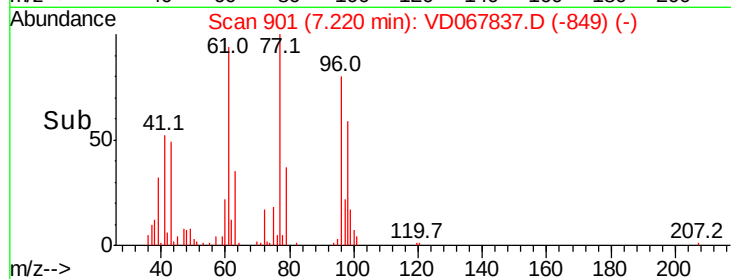
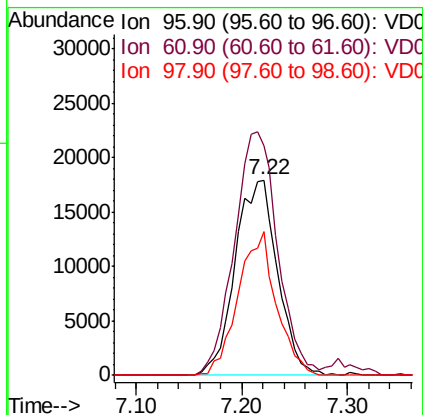
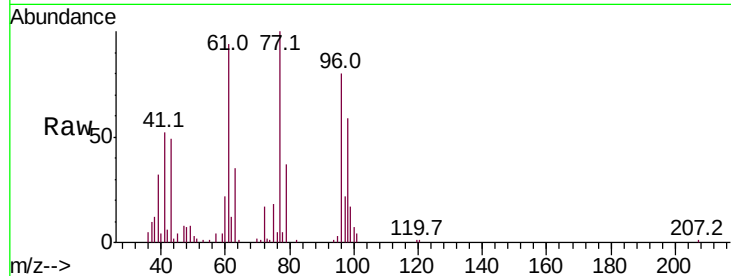


#27

cis-1,2-Dichloroethene
Concen: 19.870 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

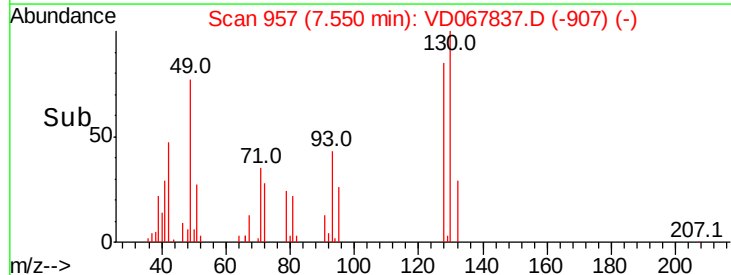
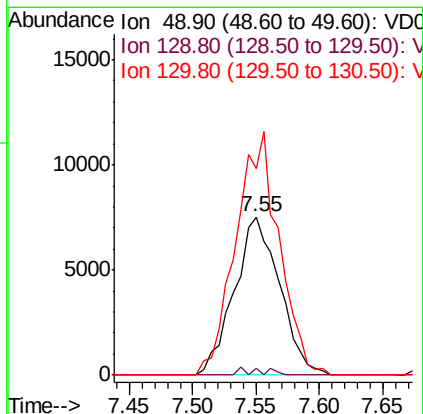
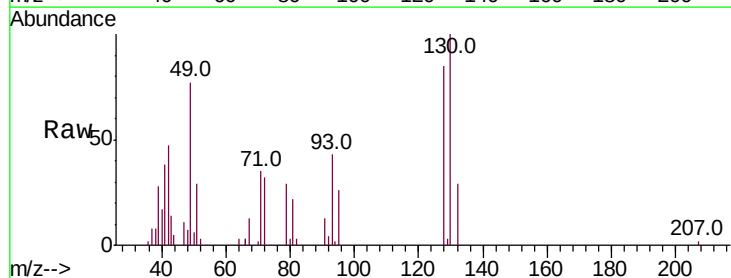
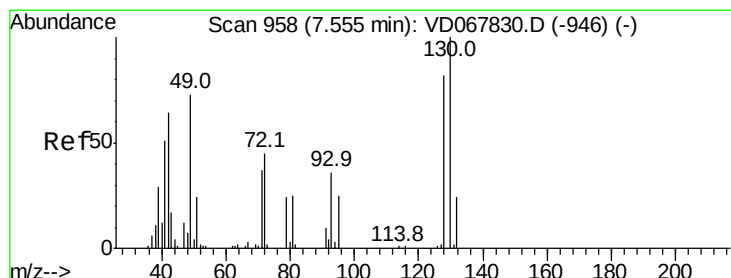
Tot Ion: 96 Resp: 49890
Ion Ratio Lower Upper
96 100
61 127.9 0.0 248.4
98 66.4 0.0 127.4

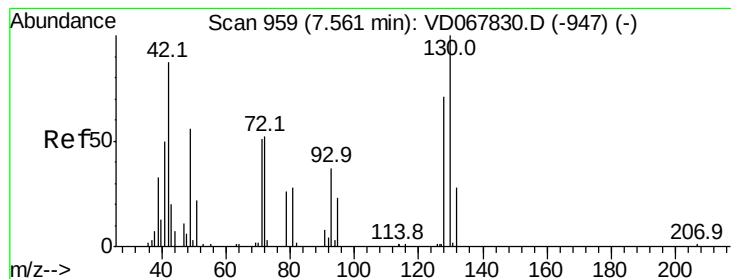


#28

Bromochloromethane
Concen: 17.904 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 49 Resp: 18704
Ion Ratio Lower Upper
49 100
129 0.7 0.0 3.4
130 147.4 110.2 165.2





#29

Tetrahydrofuran

Concen: 102.736 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

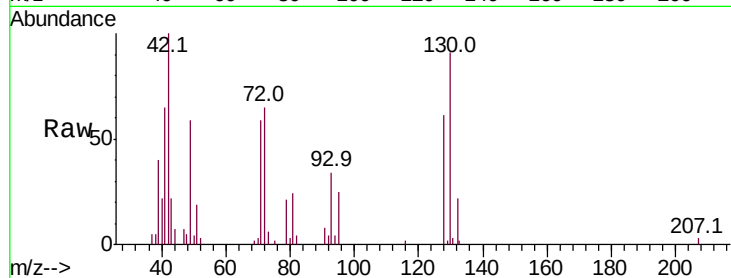
Tot Ion: 42 Resp: 19870

Ion Ratio Lower Upper

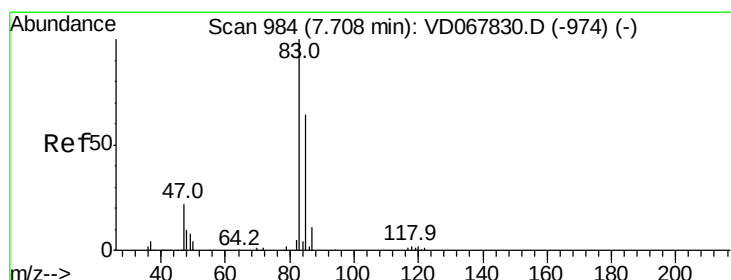
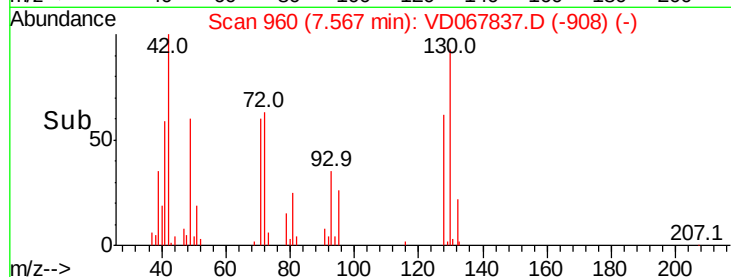
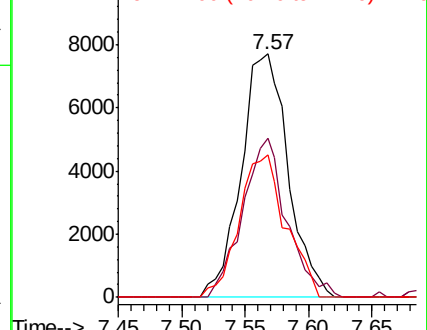
42 100

72 61.5 51.9 77.9

71 58.4 48.2 72.4



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: 19.557 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD067837.D

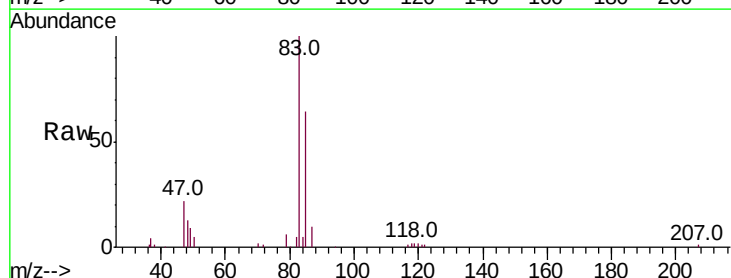
Acq: 02 Dec 2020 15:48

Tgt Ion: 83 Resp: 85994

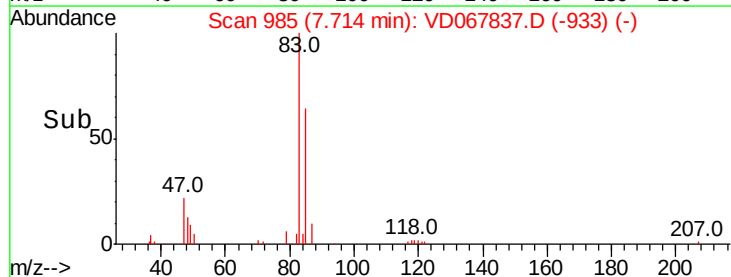
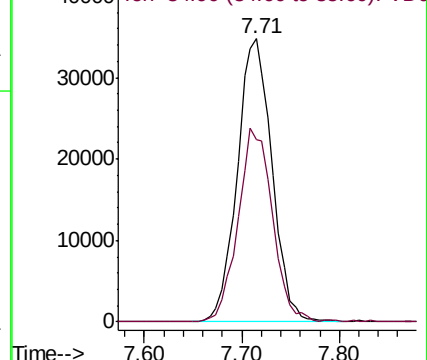
Ion Ratio Lower Upper

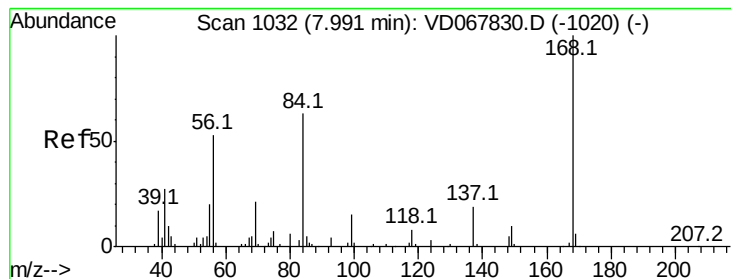
83 100

85 64.3 51.0 76.4



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





#31

Cyclohexane

Concen: 20.924 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

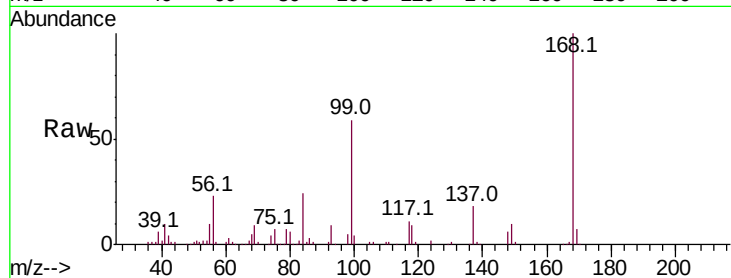
Tot Ion: 56 Resp: 57615

Ion Ratio Lower Upper

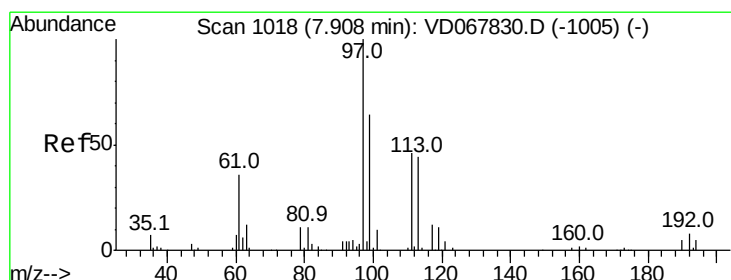
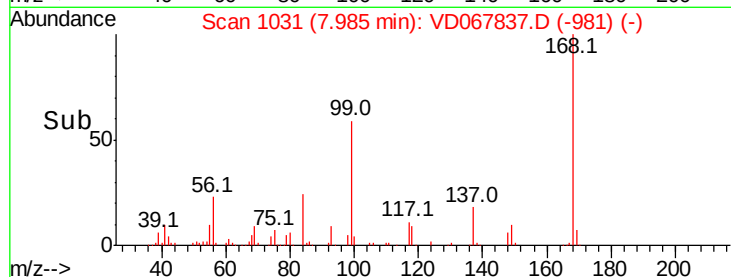
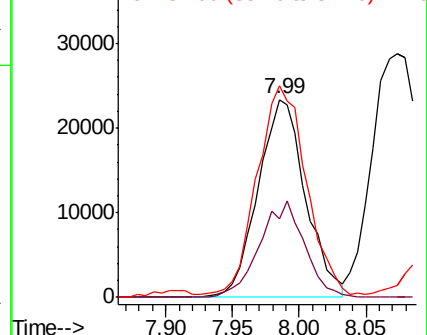
56 100

69 39.8 32.1 48.1

84 105.9 93.2 139.8



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



#32

1,1,1-Trichloroethane

Concen: 20.418 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

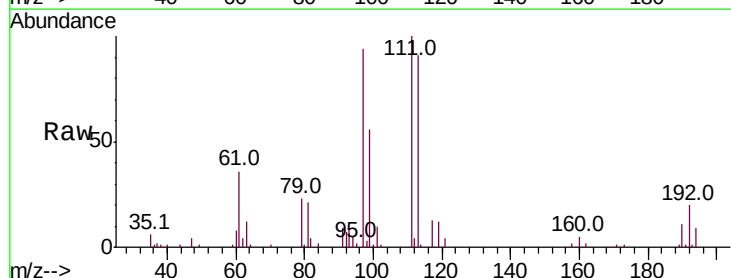
Tgt Ion: 97 Resp: 94774

Ion Ratio Lower Upper

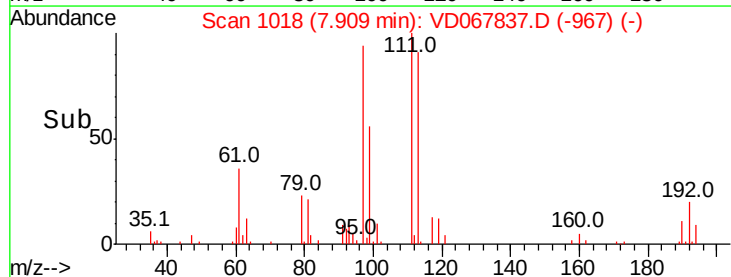
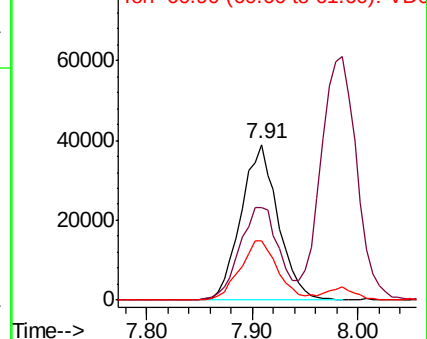
97 100

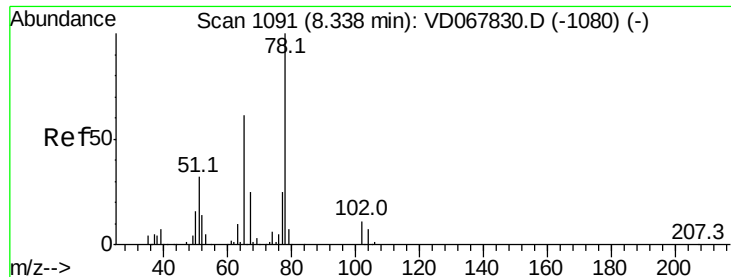
99 62.6 51.4 77.2

61 38.6 30.8 46.2



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

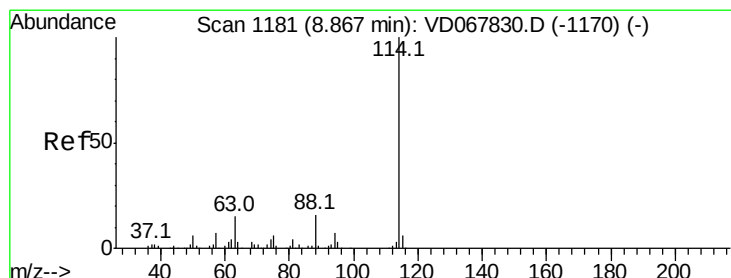
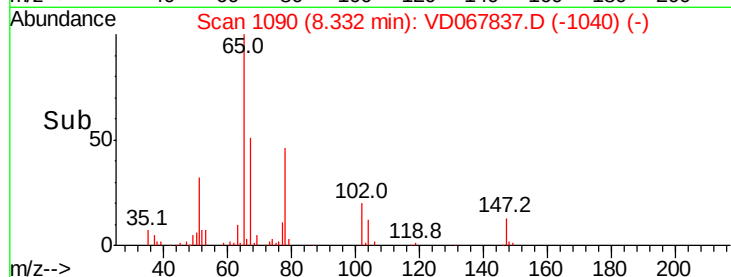
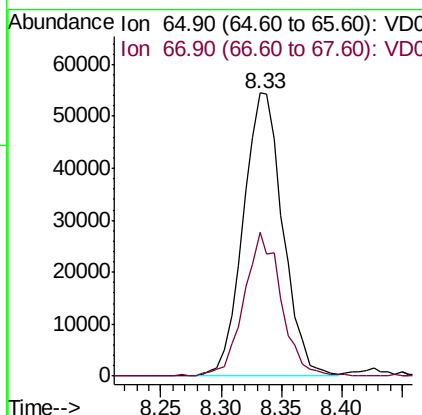
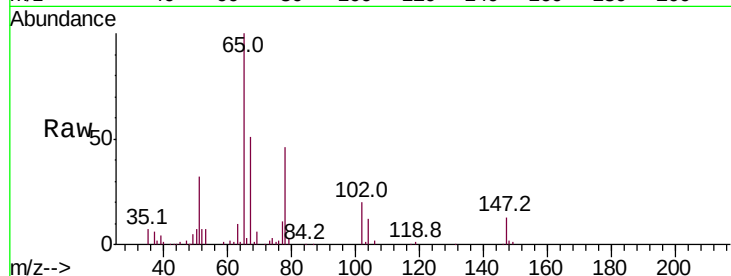




#33
 1,2-Dichloroethane-d4
 Concen: 47.794 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

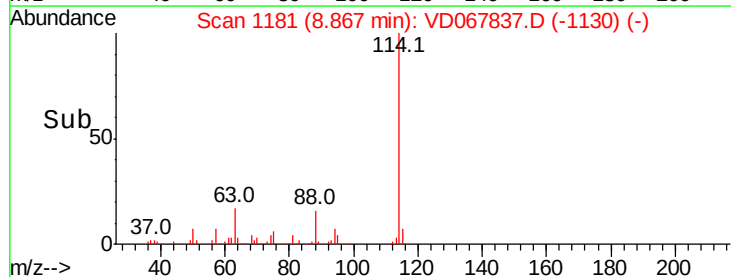
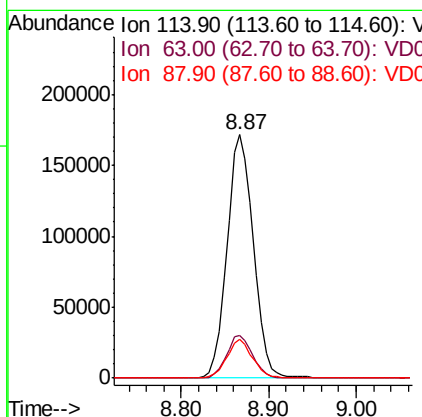
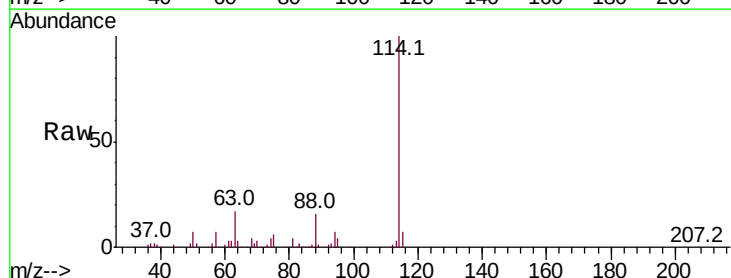
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

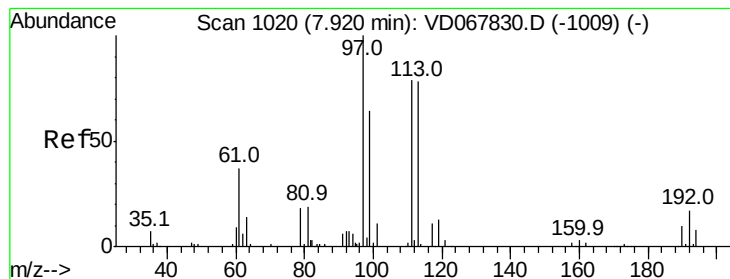
Tot Ion: 65 Resp: 124909
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion: 114 Resp: 351276
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 30.8
 88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.641 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

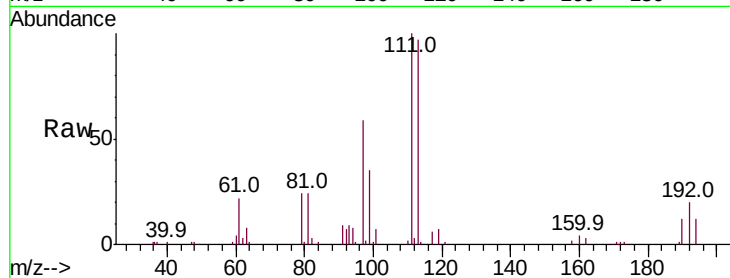
Tot Ion:113 Resp: 114333

Ion Ratio Lower Upper

113 100

111 101.3 81.2 121.8

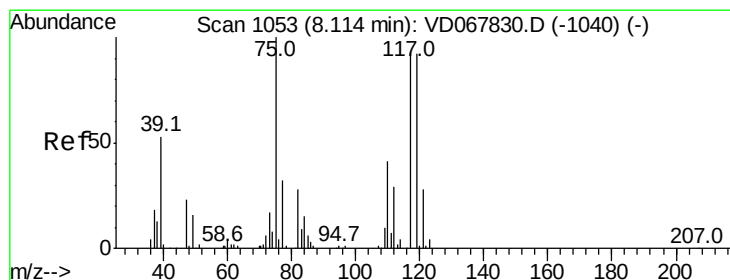
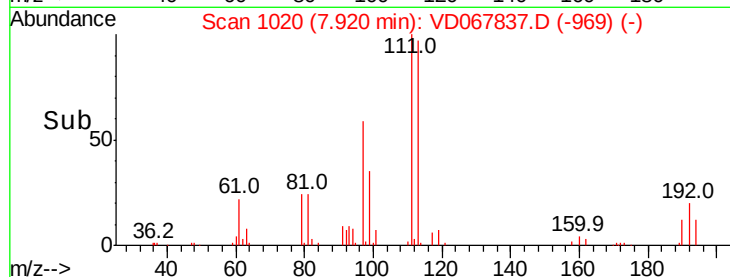
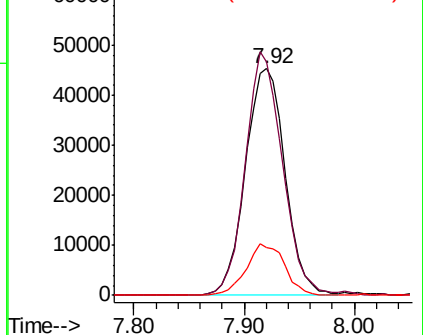
192 22.0 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.483 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

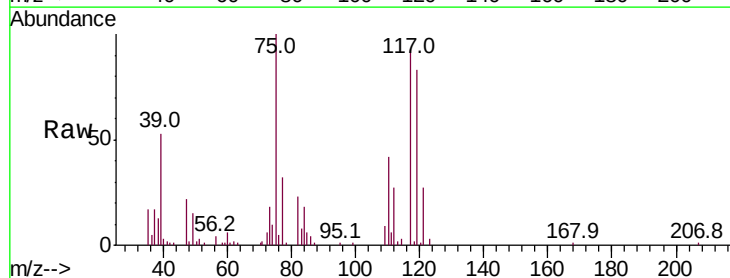
Tgt Ion: 75 Resp: 62287

Ion Ratio Lower Upper

75 100

110 39.2 20.3 61.0

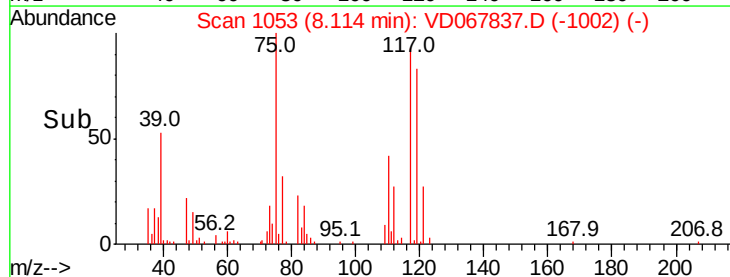
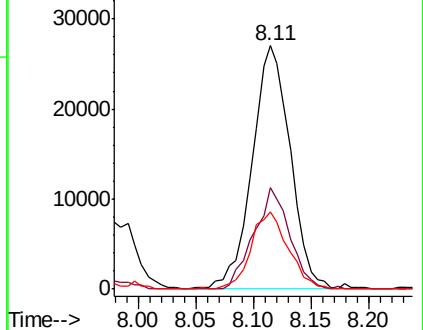
77 30.9 24.7 37.1

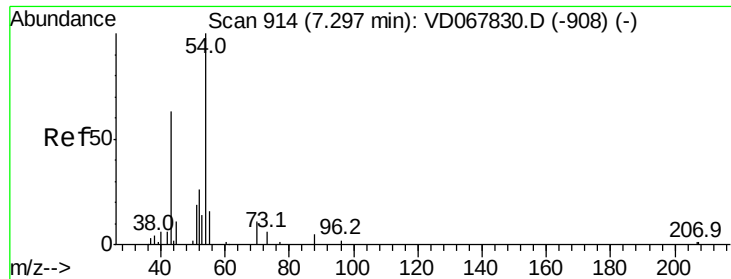


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

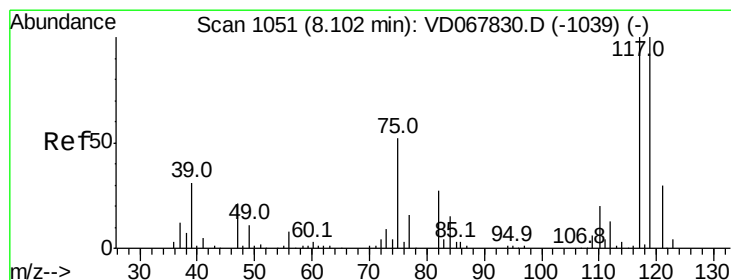
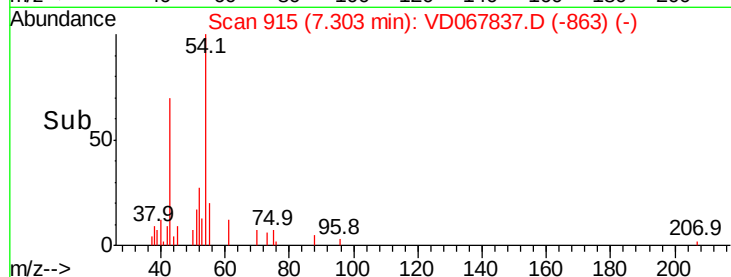
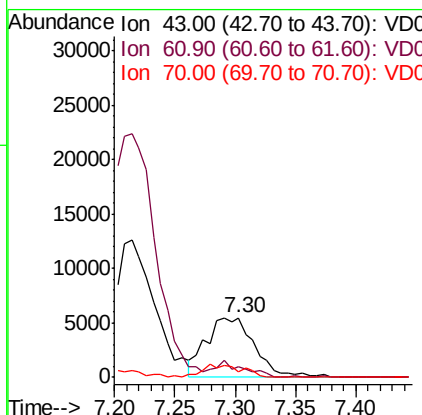
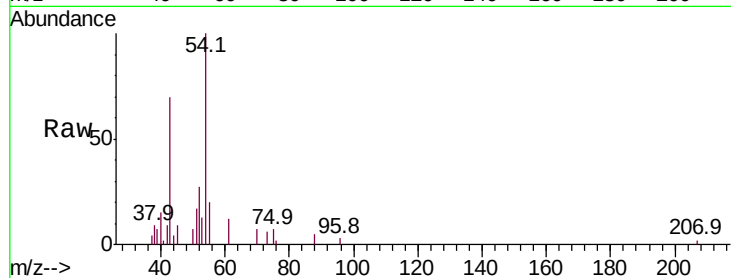




#37
Ethyl Acetate
Concen: 18.607 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

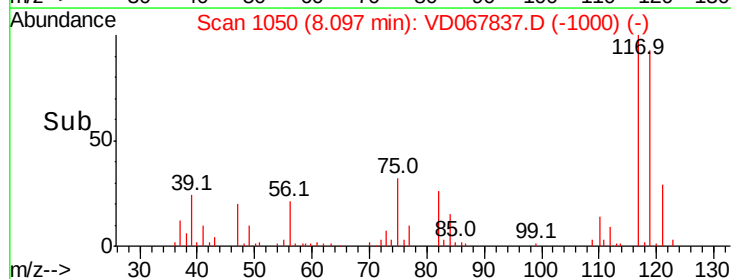
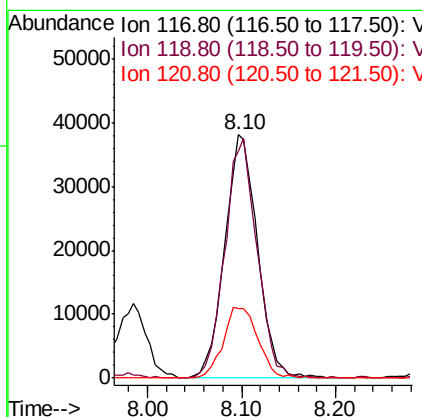
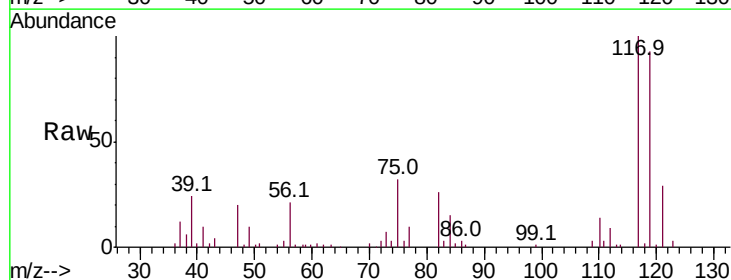
Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

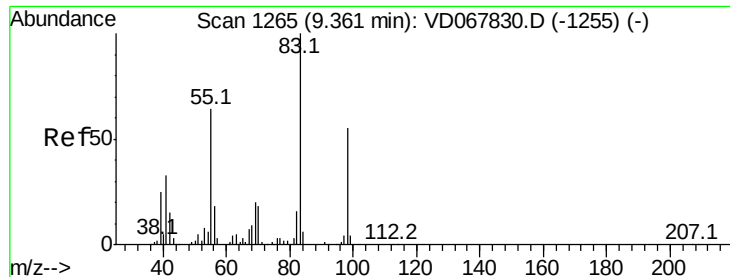
Tot Ion: 43 Resp: 15250
Ion Ratio Lower Upper
43 100
61 16.6 11.4 17.2
70 0.0 11.5 17.3#



#38
Carbon Tetrachloride
Concen: 20.071 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 117 Resp: 92349
Ion Ratio Lower Upper
117 100
119 93.4 79.7 119.5
121 28.7 23.8 35.6

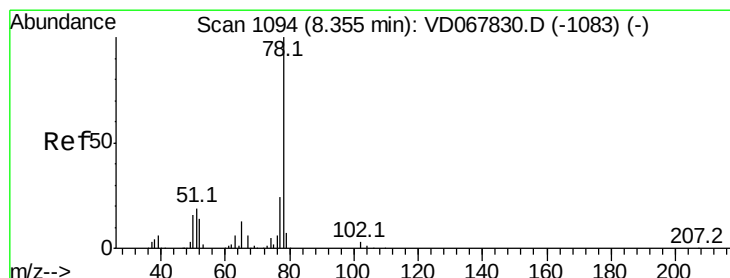
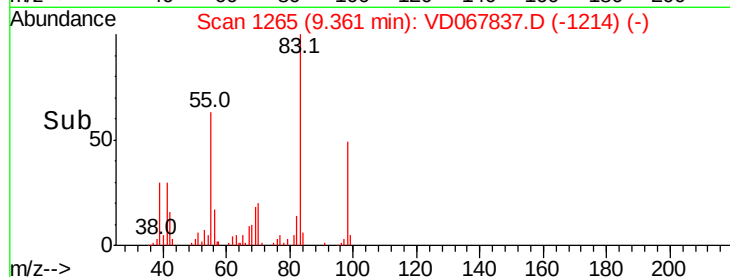
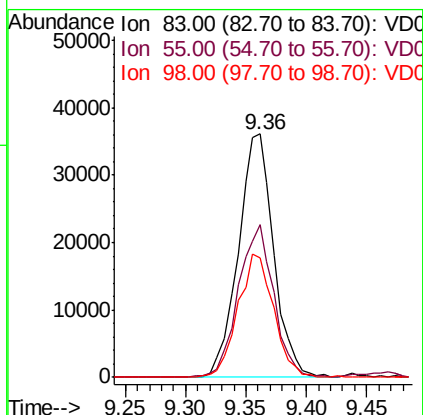
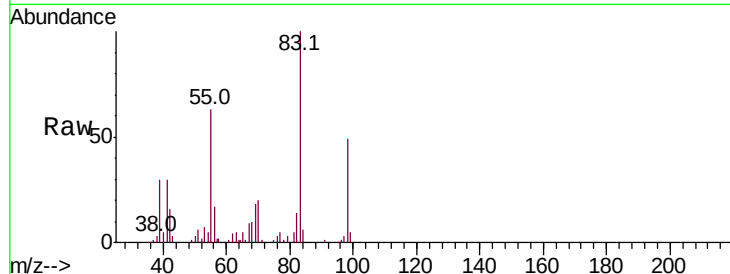




#39
Methylvlcyclohexane
Concen: 20.382 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

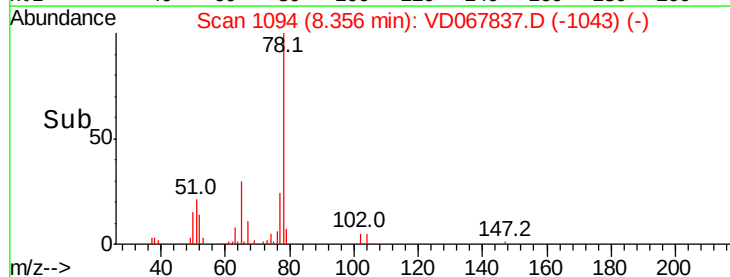
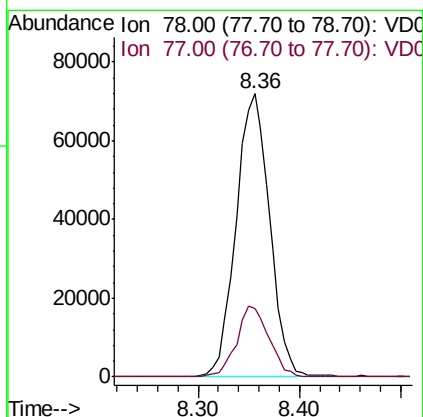
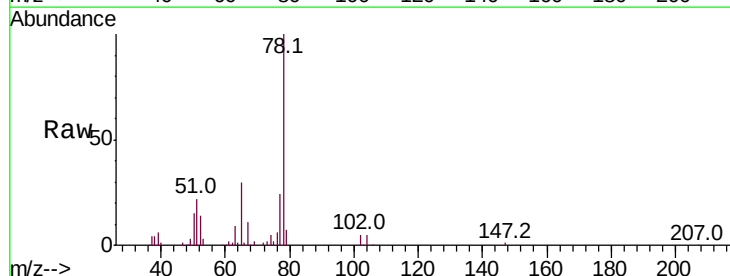
Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

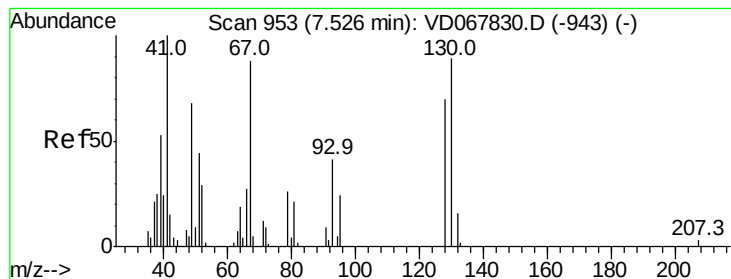
Tot Ion	83	Resp	73450
Ion Ratio	100		
Lower	51.6		
Upper	77.4		
83	62.9	49.0	44.3
55			
98			



#40
Benzene
Concen: 19.864 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion	78	Resp	165286
Ion Ratio	100		
Lower	19.1		
Upper	28.7		
78	24.1		
77			





#41

Methacrylonitrile

Concen: 15.531 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 41 Resp: 7246

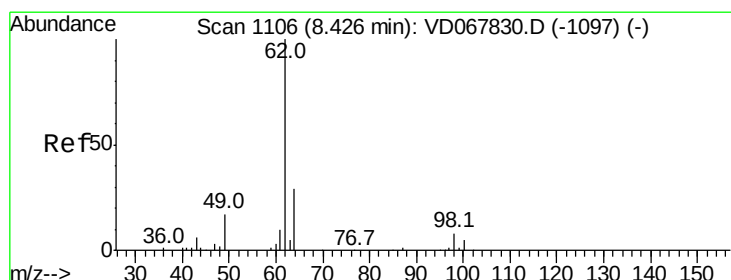
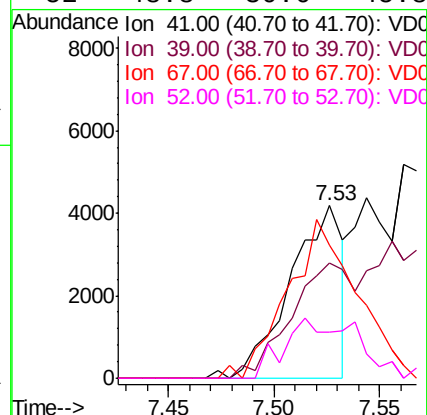
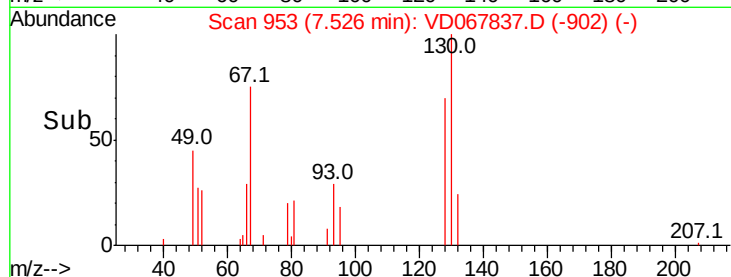
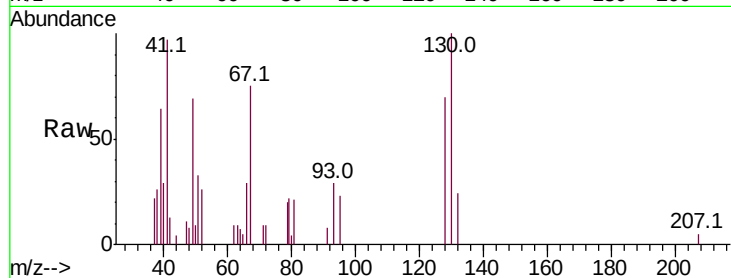
Ion Ratio Lower Upper

41 100

39 78.5 42.1 63.1#

67 120.3 82.4 123.6

52 48.8 30.6 45.8#



#42

1,2-Dichloroethane

Concen: 19.594 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067837.D

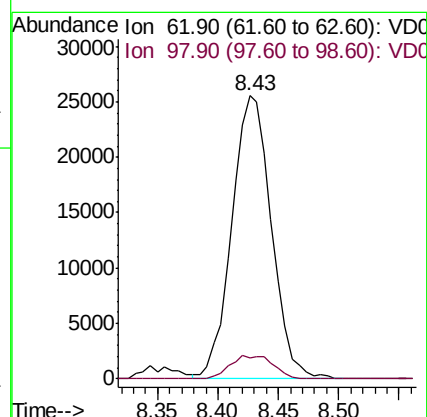
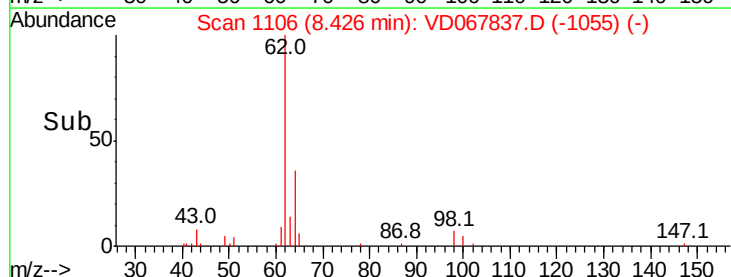
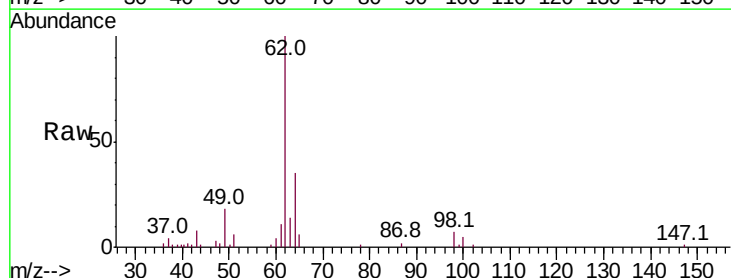
Acq: 02 Dec 2020 15:48

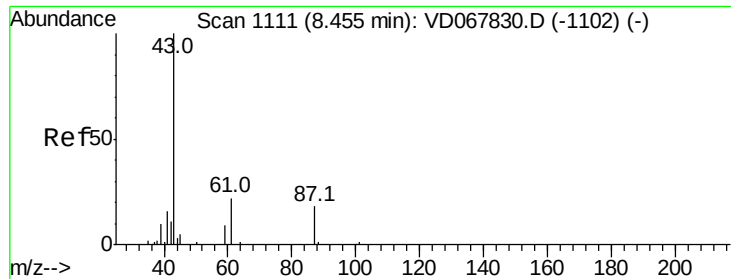
Tgt Ion: 62 Resp: 58109

Ion Ratio Lower Upper

62 100

98 8.9 0.0 17.2





#43

Isopropyl Acetate

Concen: 19.449 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

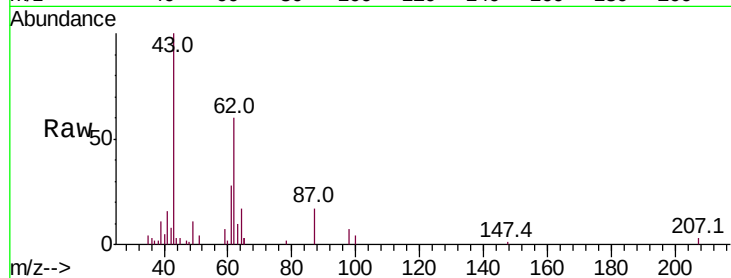
Tot Ion: 43 Resp: 31364

Ion Ratio Lower Upper

43 100

61 20.4 30.4 45.6#

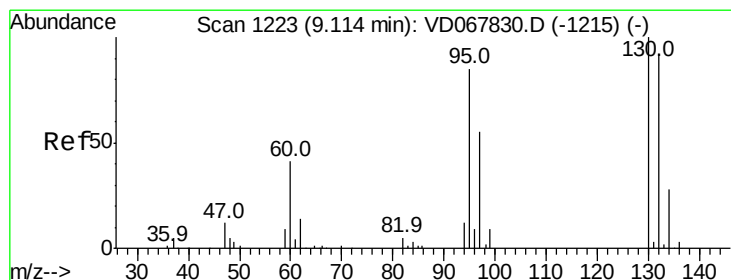
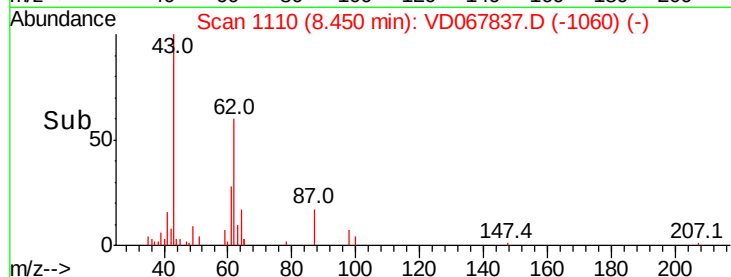
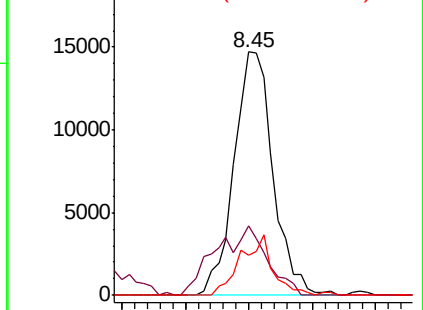
87 20.6 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.928 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD067837.D

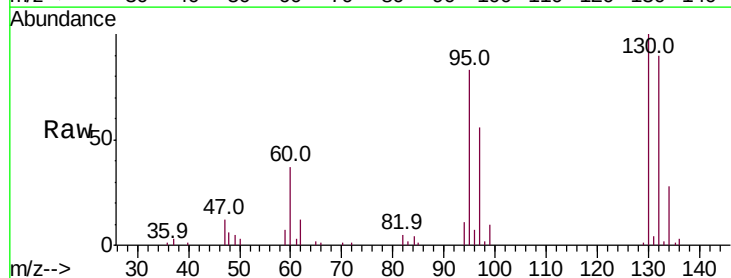
Acq: 02 Dec 2020 15:48

Tgt Ion:130 Resp: 57012

Ion Ratio Lower Upper

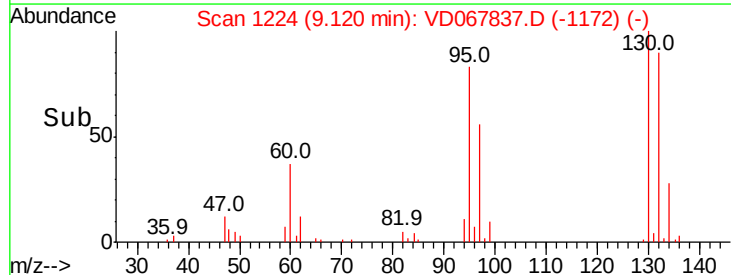
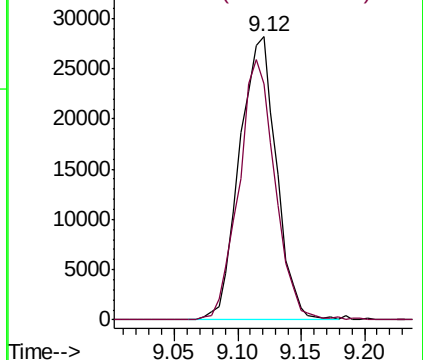
130 100

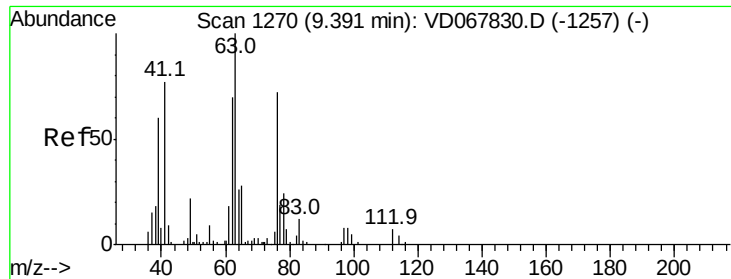
95 83.2 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.315 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

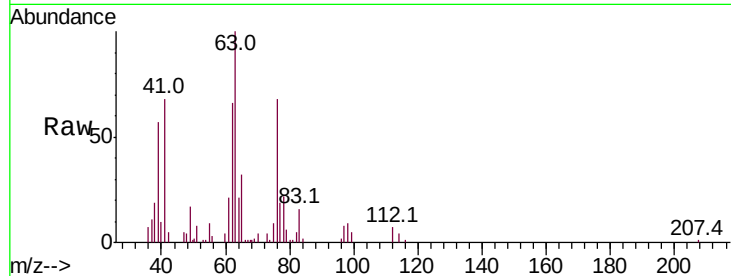
VD1202SBS01

Tot Ion: 63 Resp: 34695

Ion Ratio Lower Upper

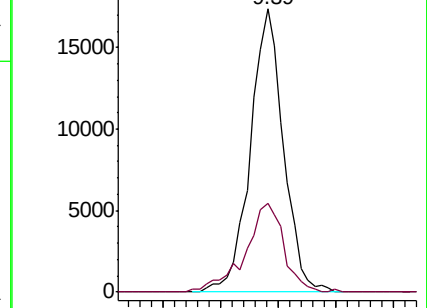
63 100

65 31.6 22.8 34.2

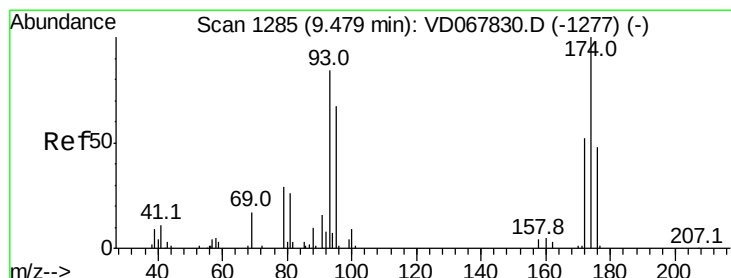
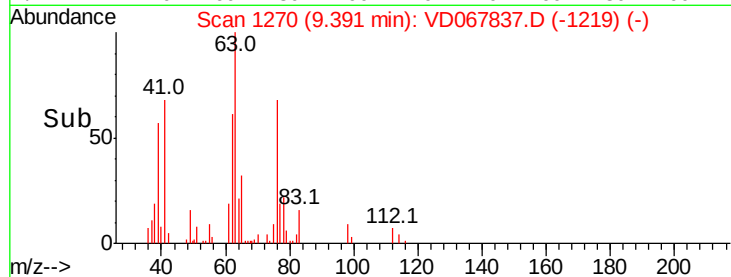


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



Time-->



#46

Dibromomethane

Concen: 20.134 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

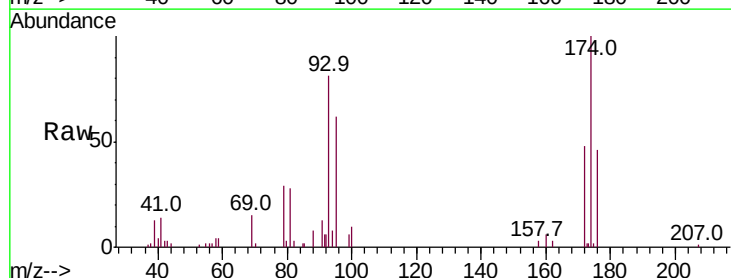
Tgt Ion: 93 Resp: 23907

Ion Ratio Lower Upper

93 100

95 82.2 64.2 96.4

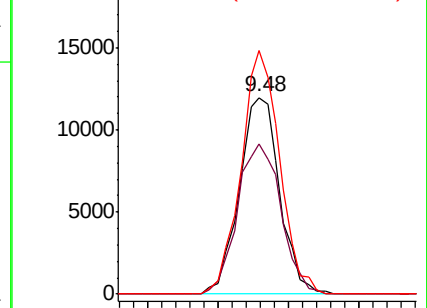
174 118.4 91.5 137.3



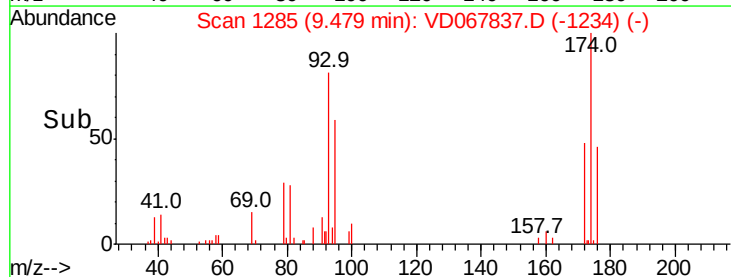
Abundance Ion 92.80 (92.50 to 93.50): VDC

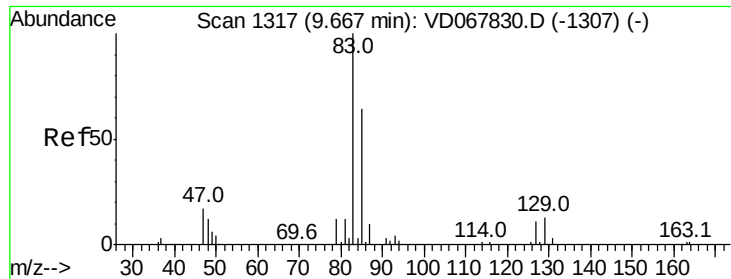
Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC



Time-->





#47

Bromodichloromethane

Concen: 19.584 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

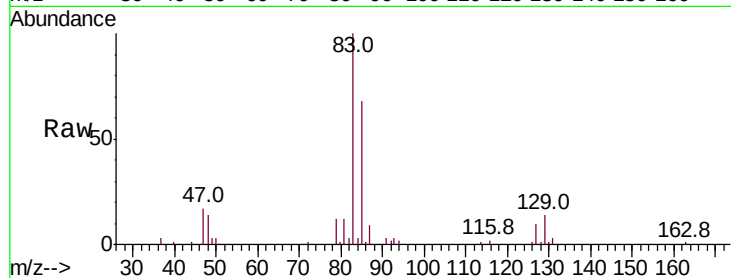
Tot Ion: 83 Resp: 66293

Ion Ratio Lower Upper

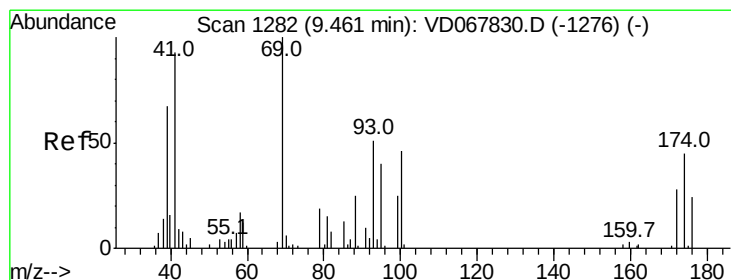
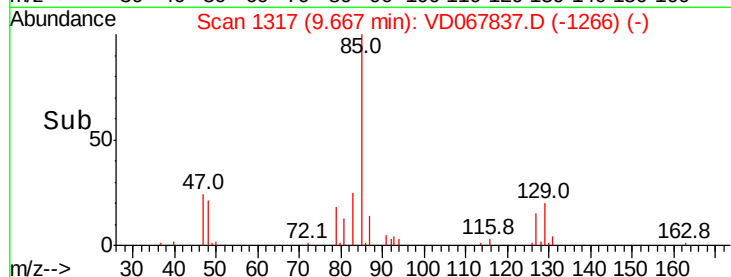
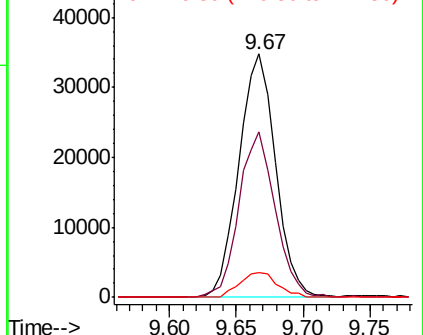
83 100

85 67.9 51.4 77.0

127 10.4 8.5 12.7



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



#48

Methyl methacrylate

Concen: 18.588 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

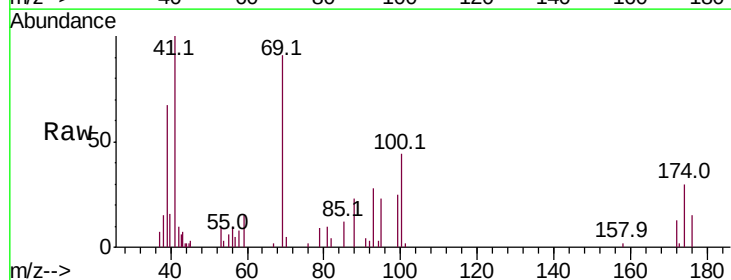
Tgt Ion: 41 Resp: 15221

Ion Ratio Lower Upper

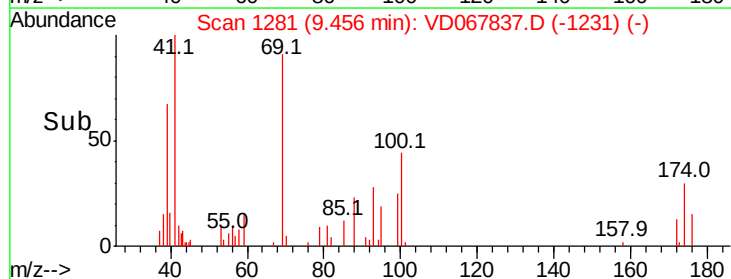
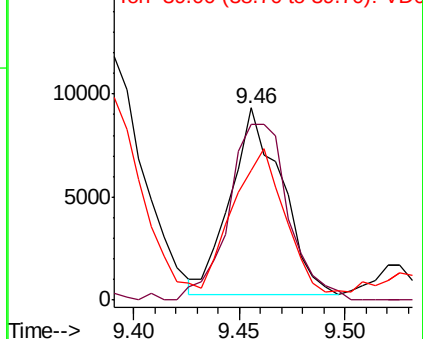
41 100

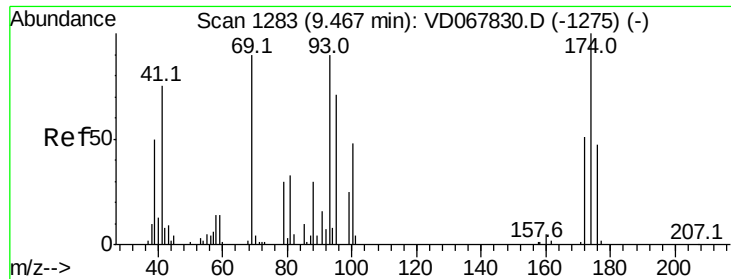
69 109.7 87.6 131.4

39 78.3 61.2 91.8



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





#49

1,4-Dioxane

Concen: 389.814 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

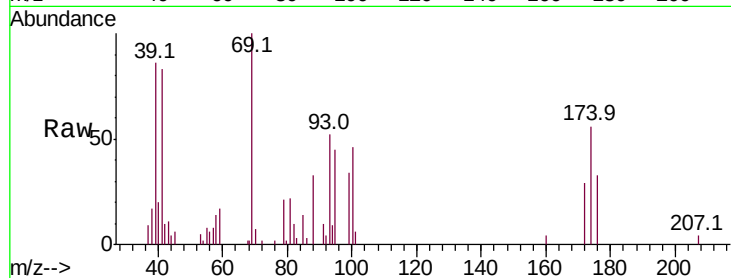
Tot Ion: 88 Resp: 5289

Ion Ratio Lower Upper

88 100

43 32.2 30.1 45.1

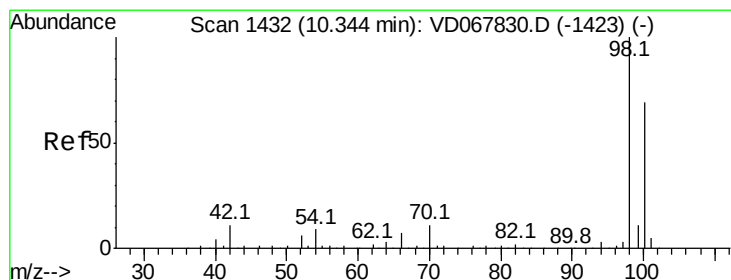
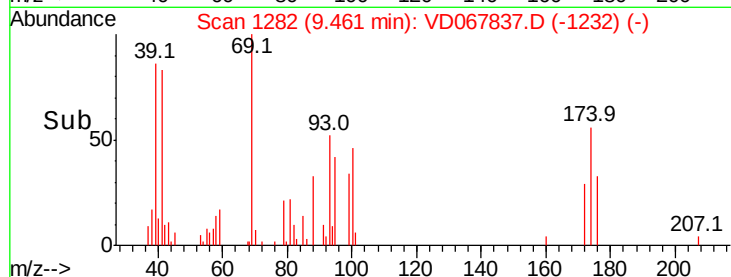
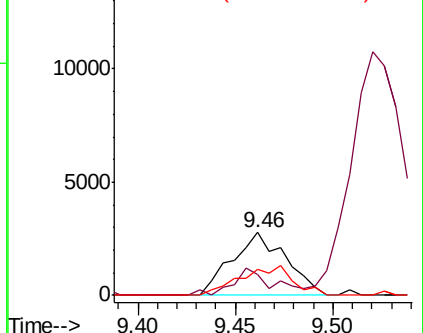
58 46.3 42.4 63.6



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: 49.854 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067837.D

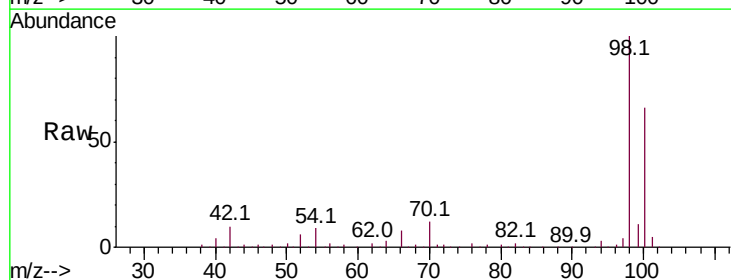
Acq: 02 Dec 2020 15:48

Tgt Ion: 98 Resp: 421844

Ion Ratio Lower Upper

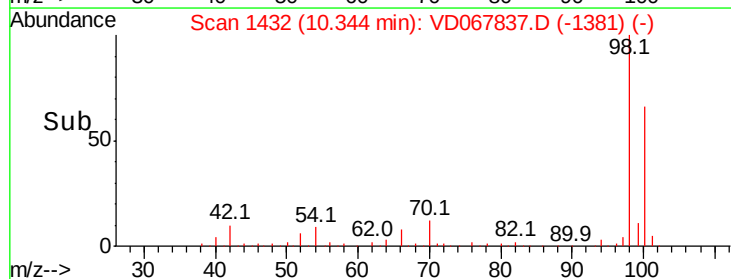
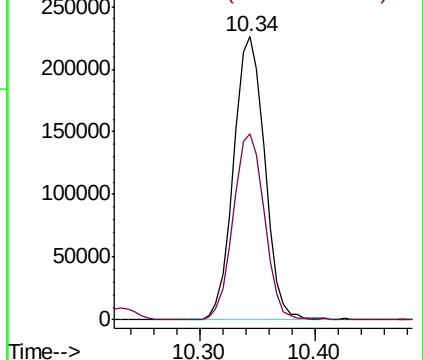
98 100

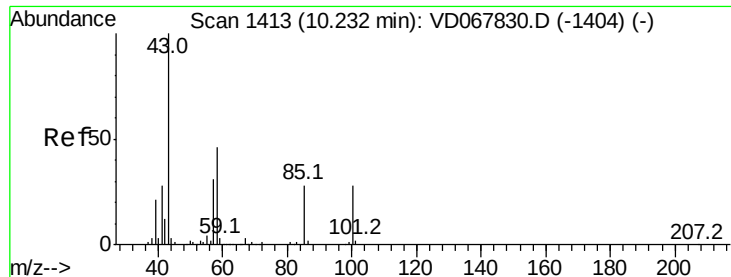
100 66.3 52.9 79.3



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: 95.143 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

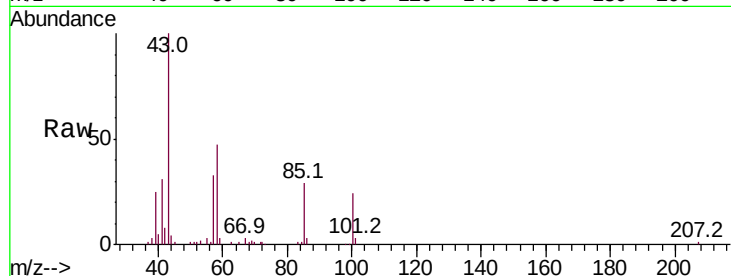
VD1202SBS01

Tot Ion: 43 Resp: 72617

Ion Ratio Lower Upper

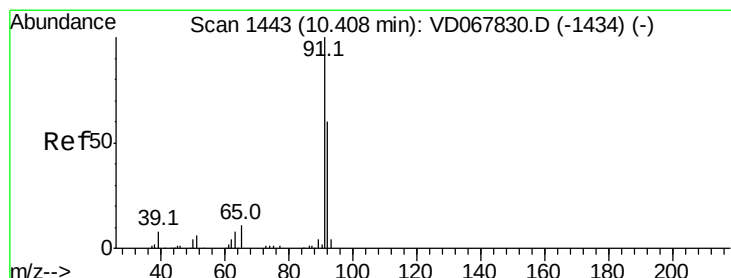
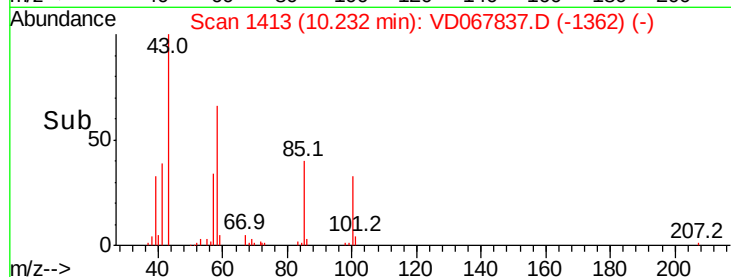
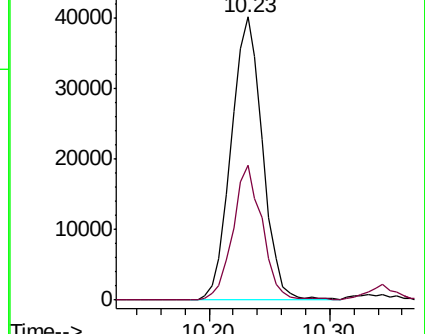
43 100

58 44.7 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.842 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067837.D

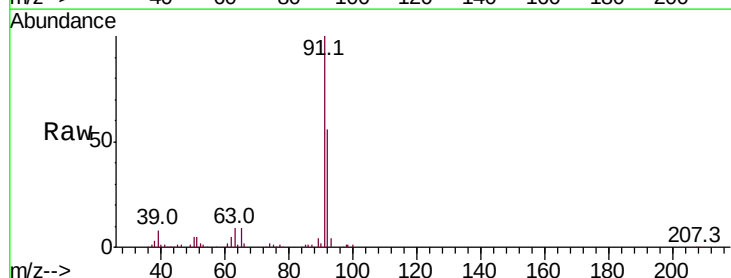
Acq: 02 Dec 2020 15:48

Tgt Ion: 92 Resp: 121249

Ion Ratio Lower Upper

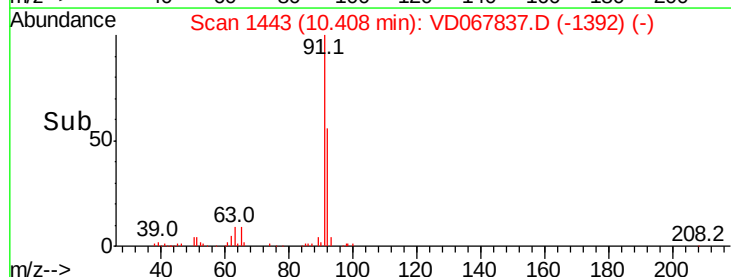
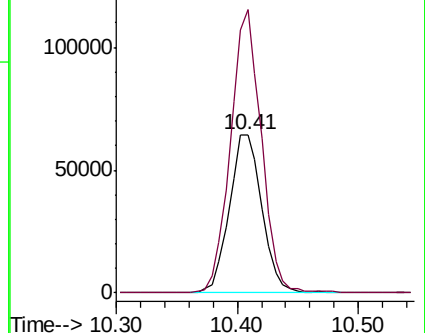
92 100

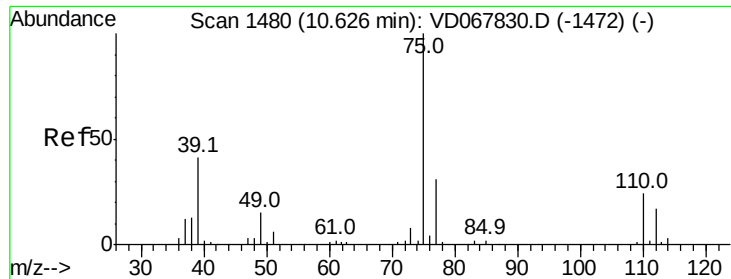
91 169.1 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.145 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

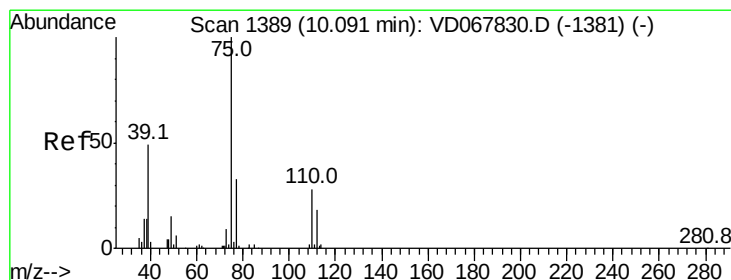
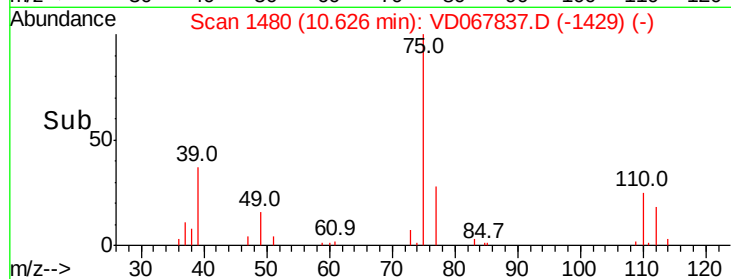
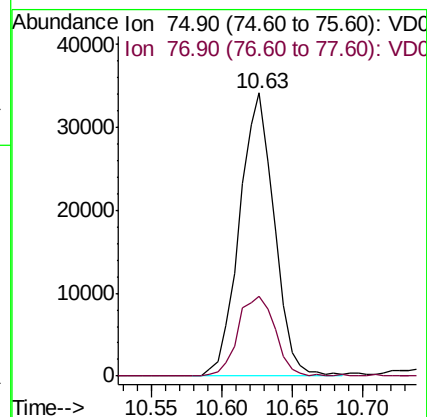
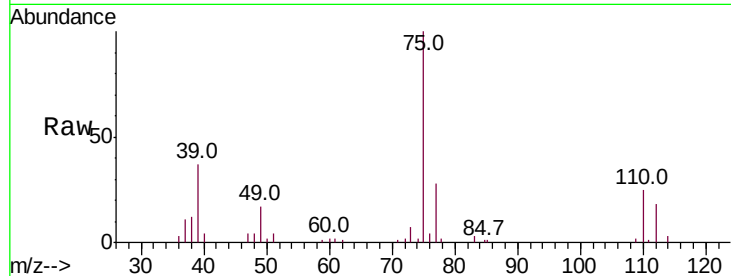
VD1202SBS01

Tot Ion: 75 Resp: 58858

Ion Ratio Lower Upper

75 100

77 28.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.513 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

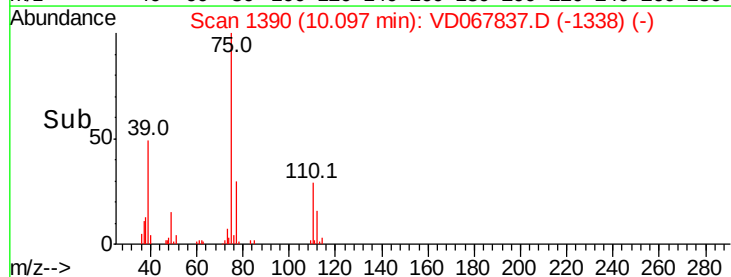
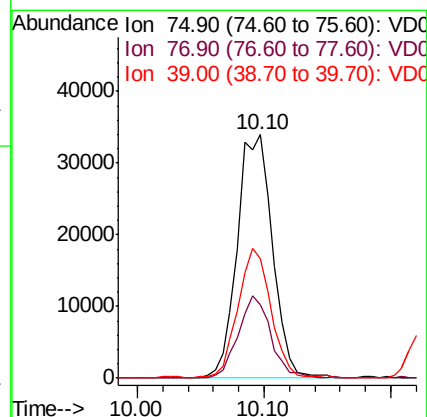
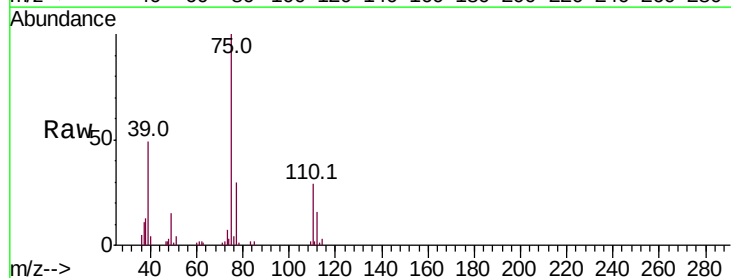
Tgt Ion: 75 Resp: 65192

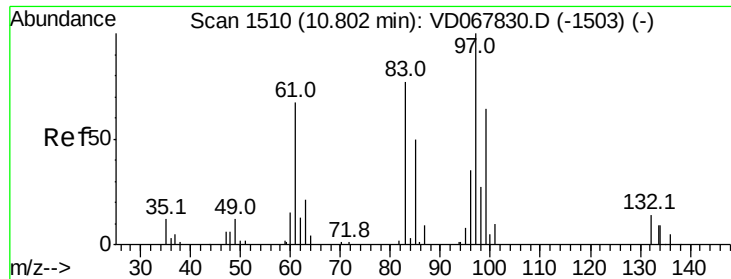
Ion Ratio Lower Upper

75 100

77 29.9 26.2 39.2

39 49.0 39.0 58.4

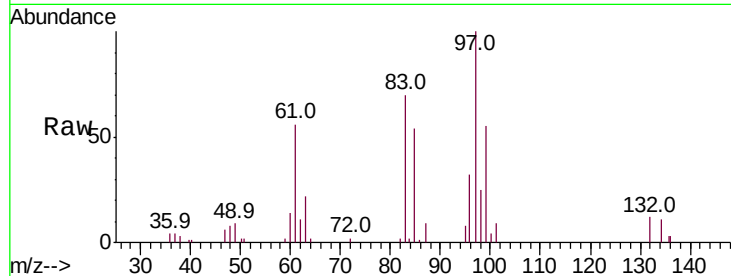




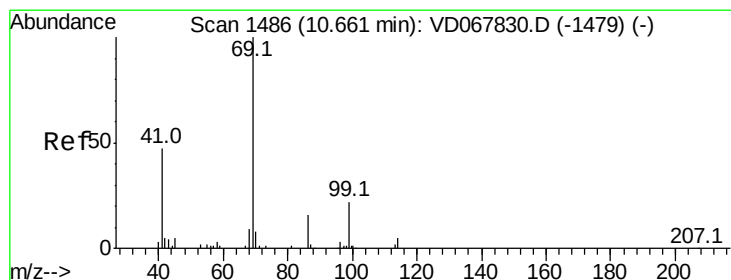
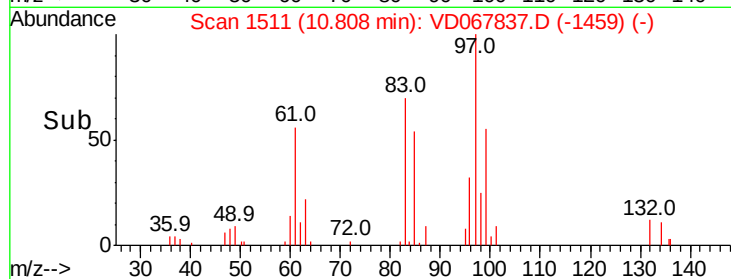
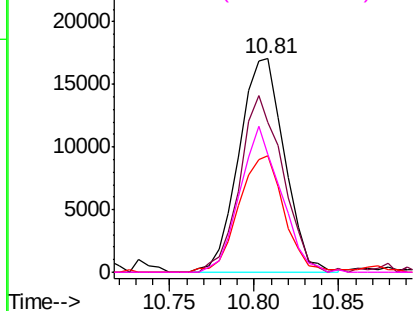
#55
 1,1,2-Trichloroethane
 Concen: 19.681 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion:	97	Resp:	31981
Ion	Ratio	Lower	Upper
97	100		
83	69.9	61.9	92.9
85	54.3	40.2	60.4
99	55.0	51.0	76.6

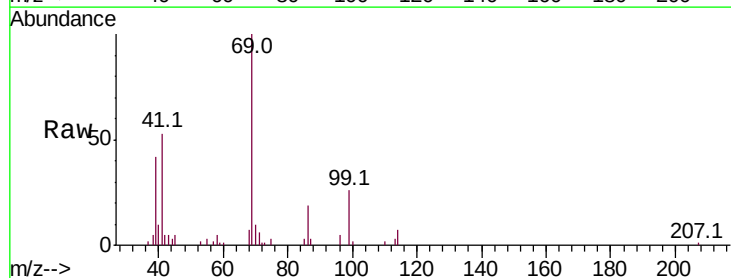


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

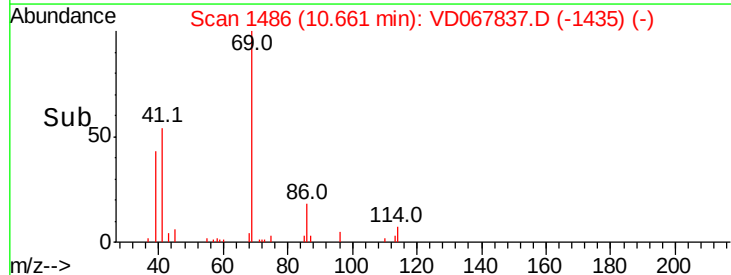
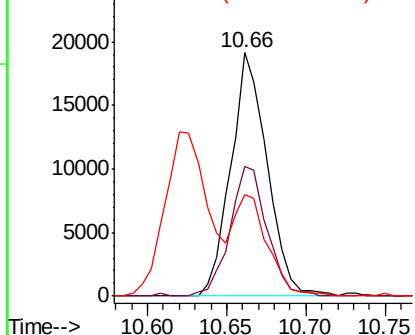


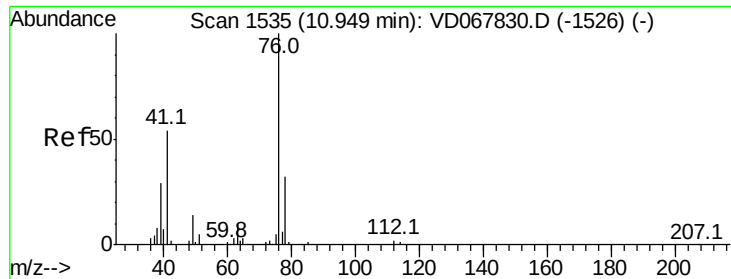
#56
 Ethyl methacrylate
 Concen: 18.461 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion:	69	Resp:	30522
Ion	Ratio	Lower	Upper
69	100		
41	54.2	42.8	64.2
39	38.5	30.5	45.7



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





#57

1,3-Dichloropropane

Concen: 19.042 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

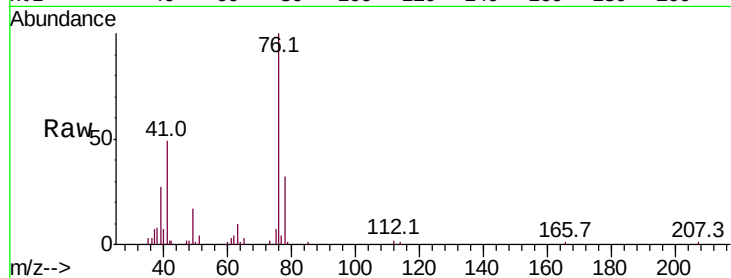
VD1202SBS01

Tot Ion: 76 Resp: 49014

Ion Ratio Lower Upper

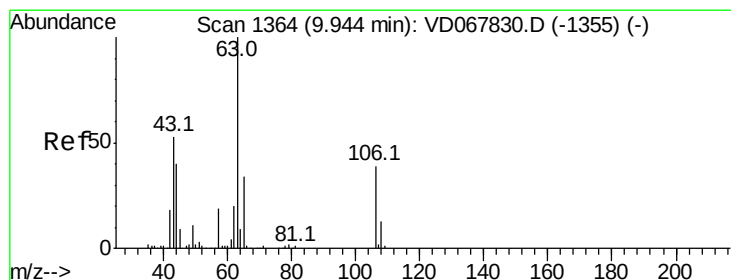
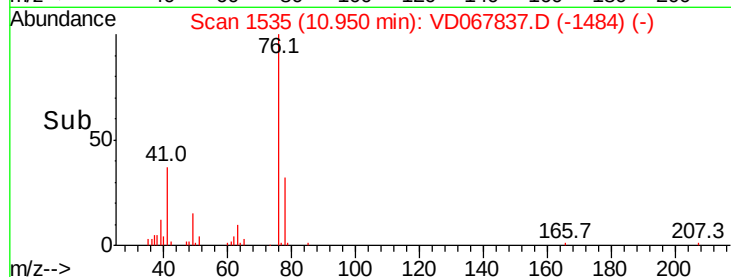
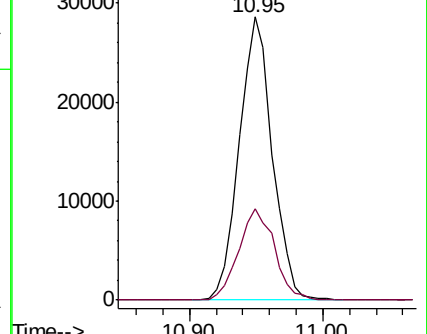
76 100

78 34.7 26.6 39.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 81.001 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067837.D

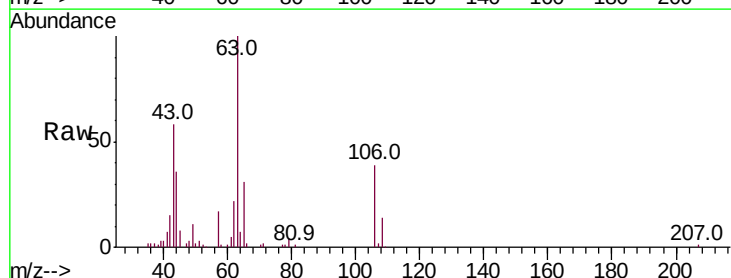
Acq: 02 Dec 2020 15:48

Tgt Ion: 63 Resp: 60939

Ion Ratio Lower Upper

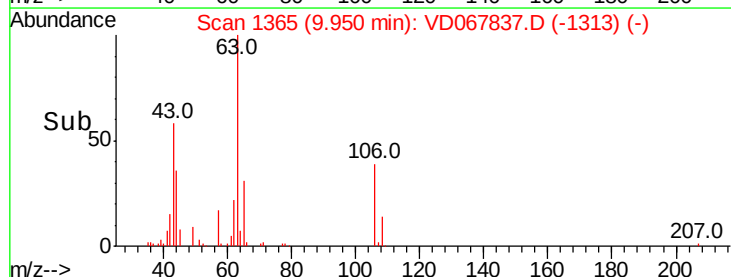
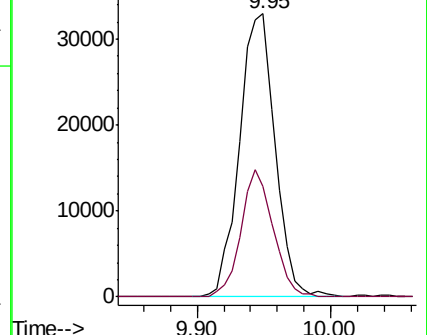
63 100

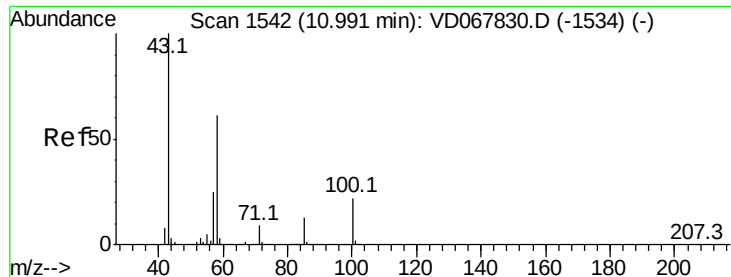
106 40.4 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

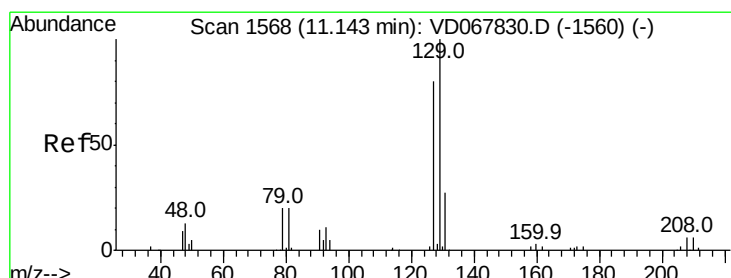
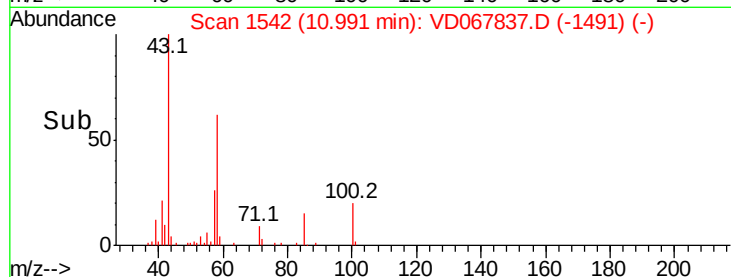
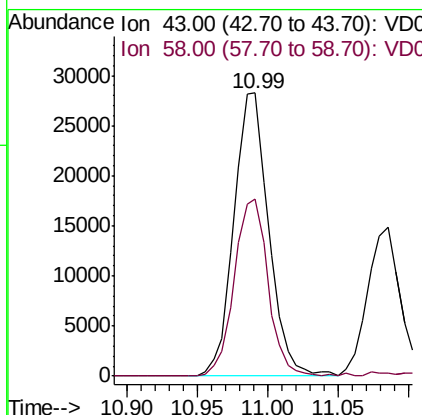
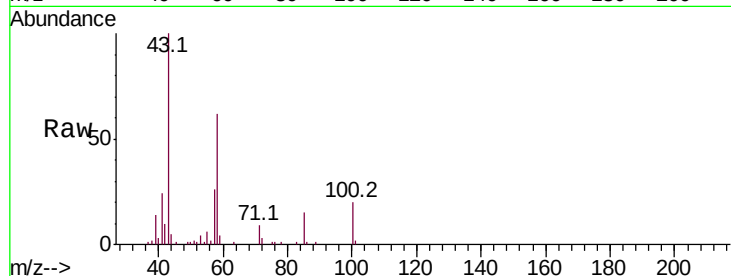




#59
2-Hexanone
Concen: 90.768 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

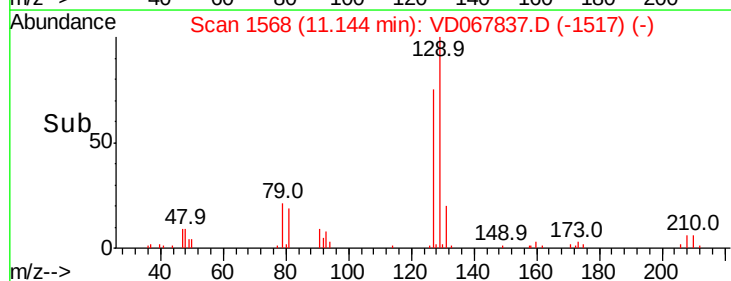
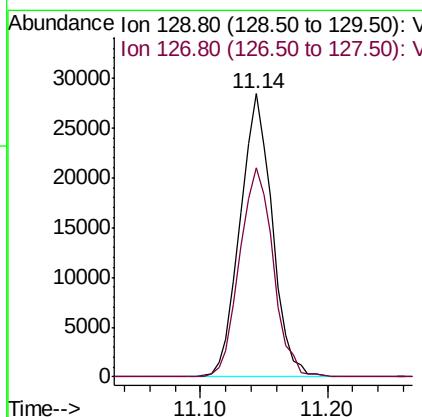
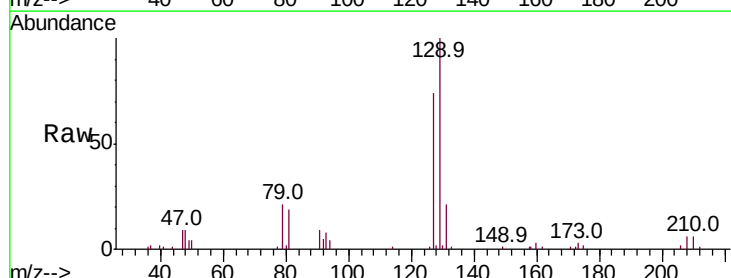
Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

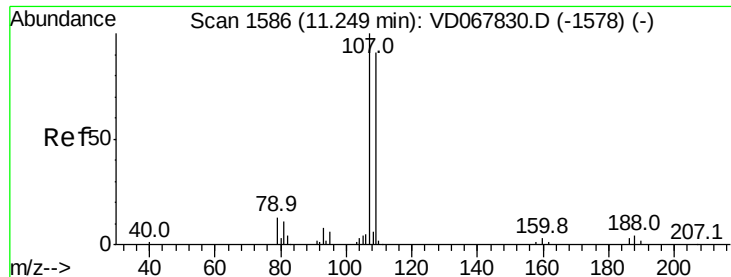
Tot Ion: 43 Resp: 48837
Ion Ratio Lower Upper
43 100
58 60.1 29.9 89.7



#60
Dibromochloromethane
Concen: 20.417 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 129 Resp: 50013
Ion Ratio Lower Upper
129 100
127 77.2 39.2 117.6

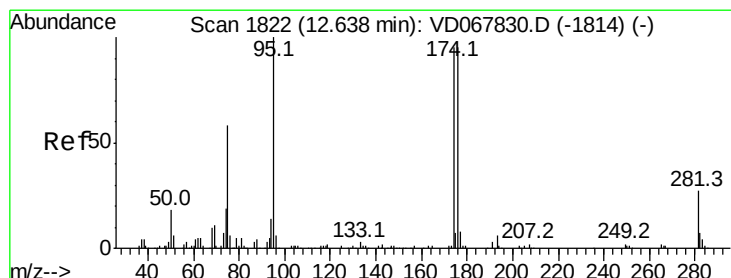
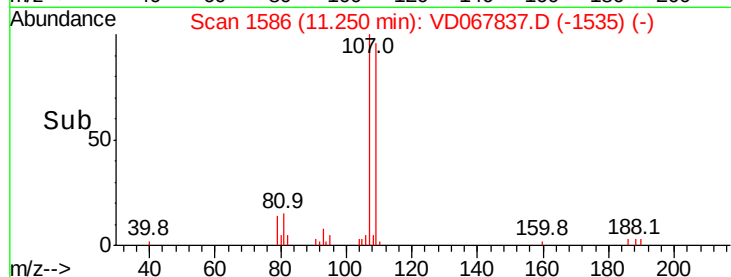
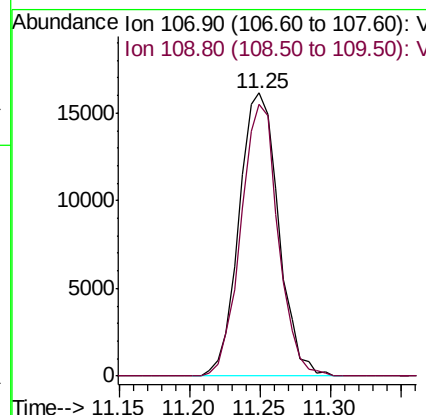
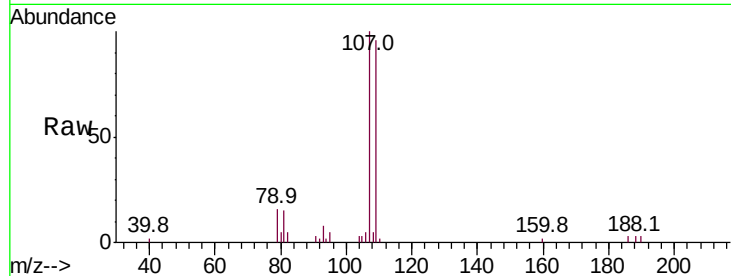




#61
 1,2-Dibromoethane
 Concen: 19.767 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

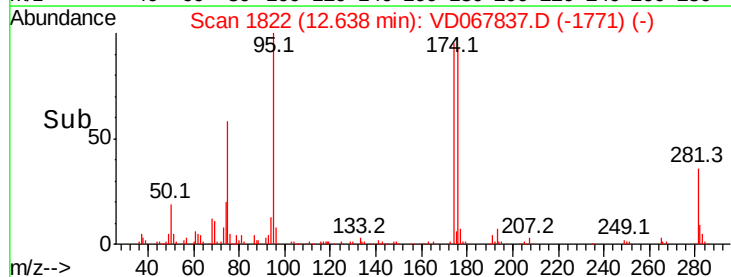
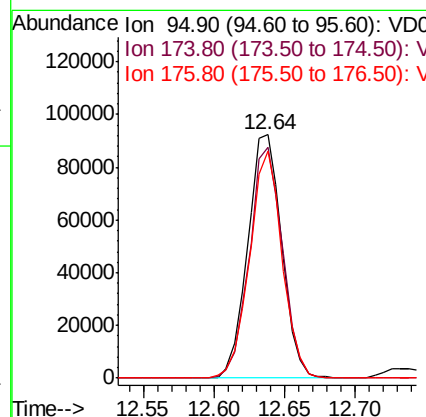
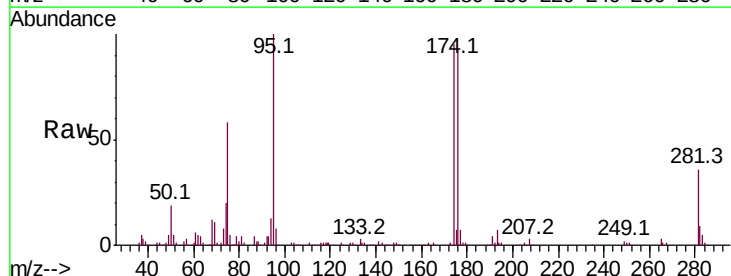
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

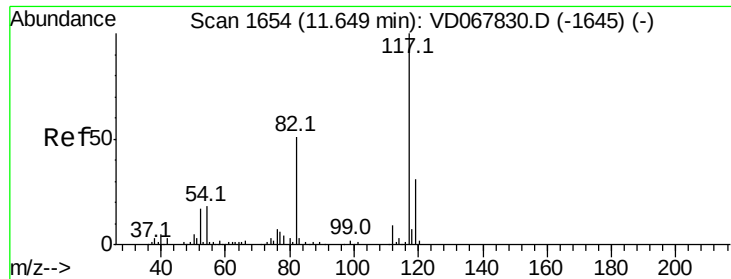
Tot Ion:107 Resp: 31588
 Ion Ratio Lower Upper
 107 100
 109 90.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 53.381 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion: 95 Resp: 156159
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 186.0
 176 89.4 0.0 184.2

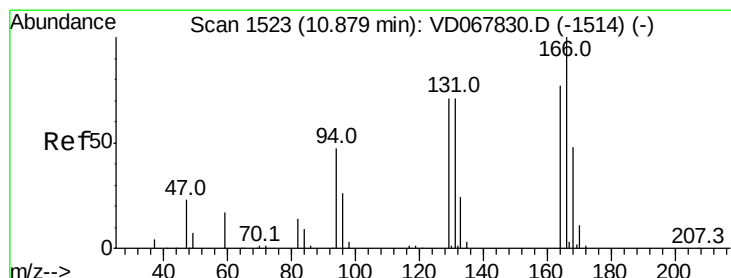
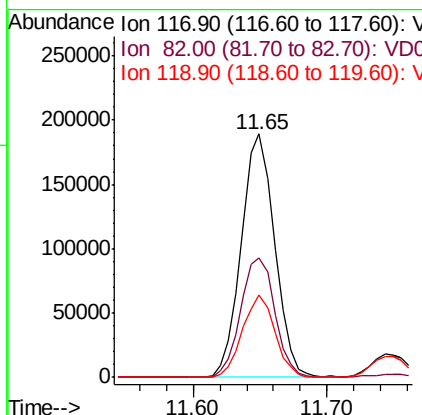
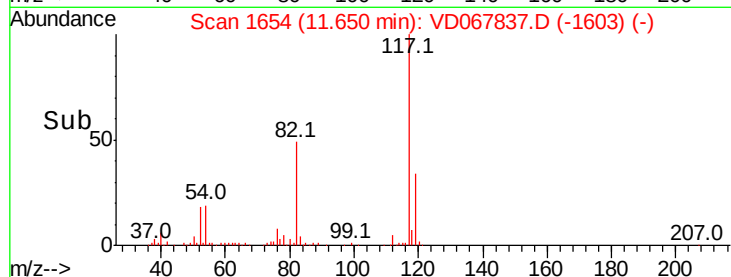
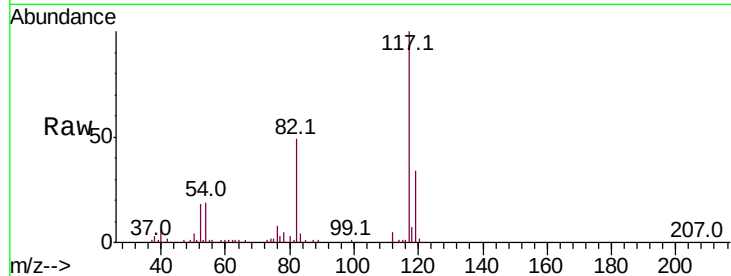




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

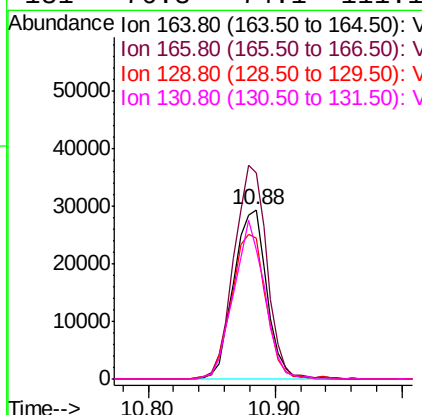
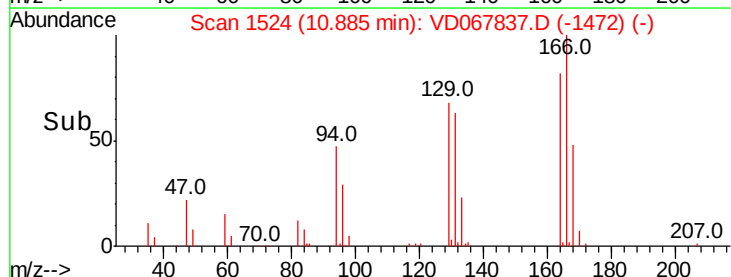
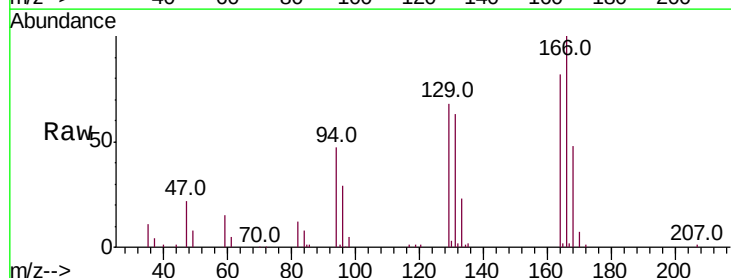
Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

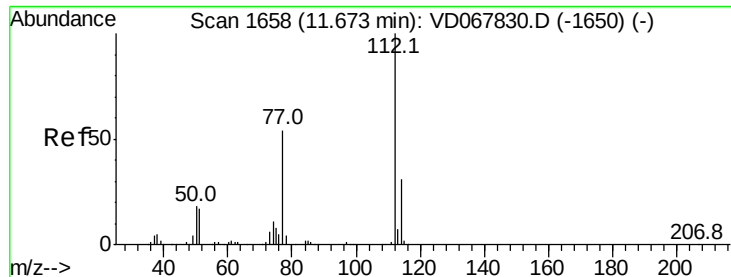
Tot Ion:117 Resp: 327903
Ion Ratio Lower Upper
117 100
82 49.0 40.6 60.8
119 33.6 25.1 37.7



#64
Tetrachloroethene
Concen: 19.787 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion:164 Resp: 52923
Ion Ratio Lower Upper
164 100
166 122.0 103.8 155.6
129 83.0 73.3 109.9
131 76.3 74.1 111.1

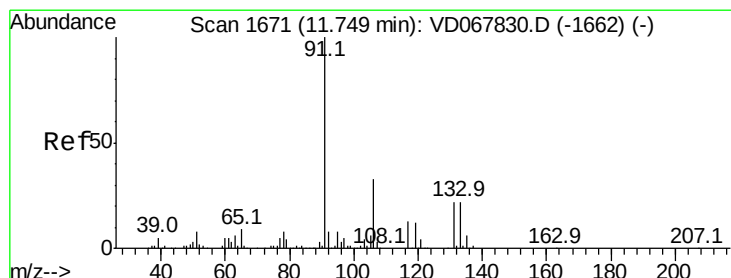
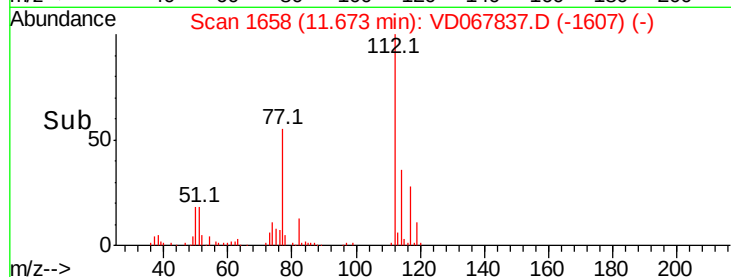
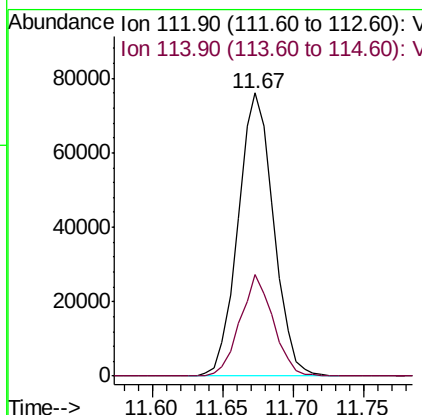
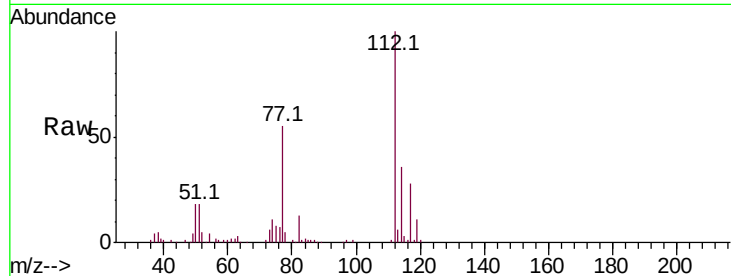




#65
Chlorobenzene
Concen: 19.773 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

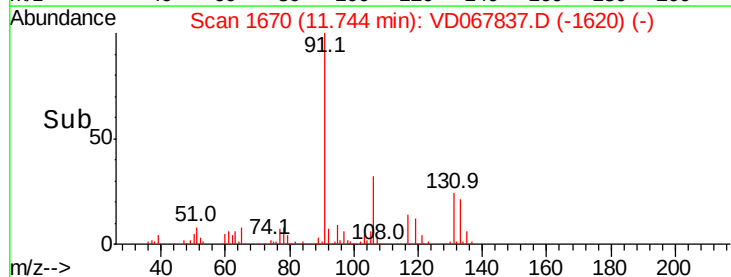
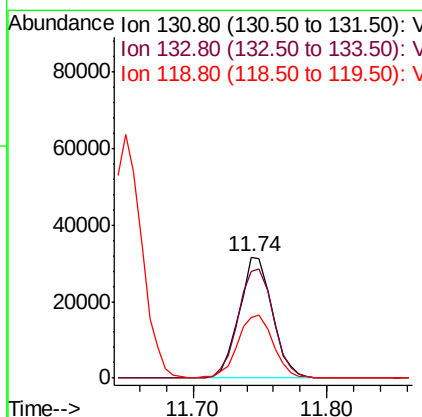
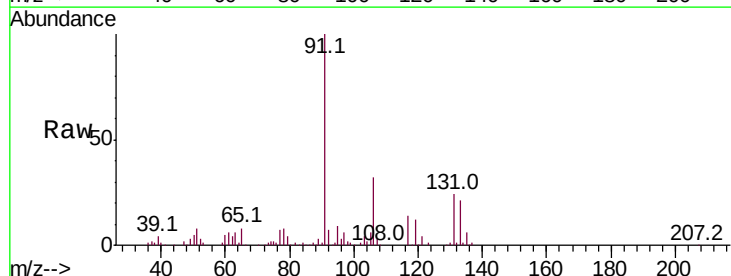
Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

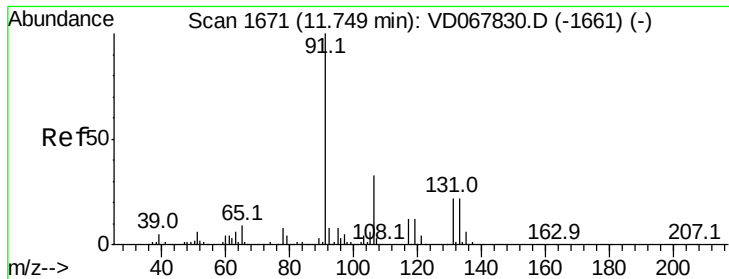
Tot Ion:112 Resp: 133785
Ion Ratio Lower Upper
112 100
114 36.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.856 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion:131 Resp: 54795
Ion Ratio Lower Upper
131 100
133 95.4 49.9 149.7
119 55.5 29.6 88.9





#67

Ethyl Benzene

Concen: 20.503 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

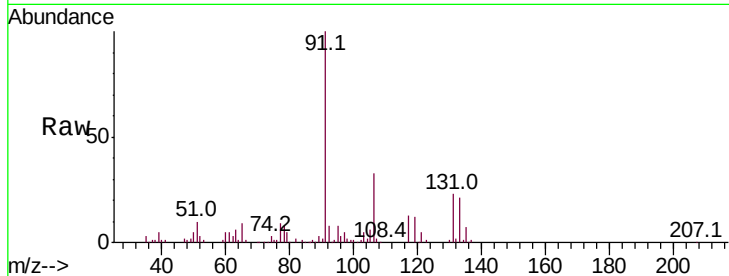
VD1202SBS01

Tot Ion: 91 Resp: 236311

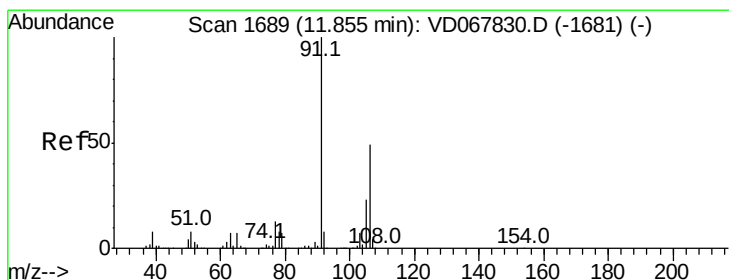
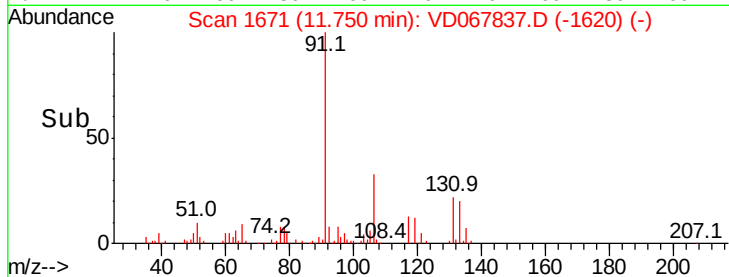
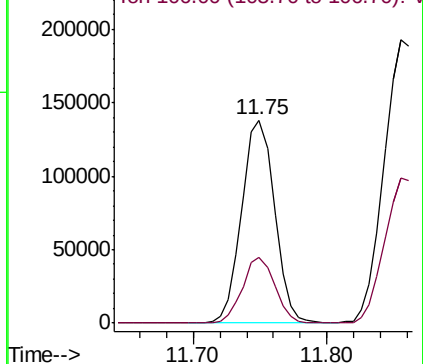
Ion Ratio Lower Upper

91 100

106 32.7 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 41.351 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067837.D

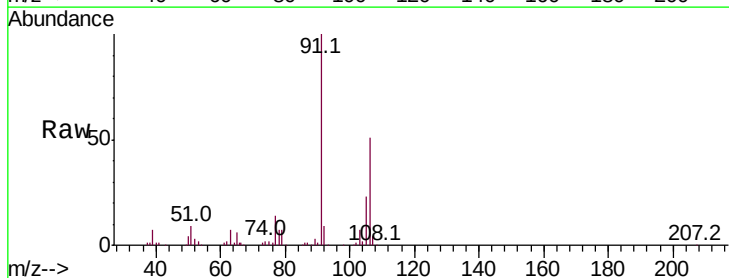
Acq: 02 Dec 2020 15:48

Tgt Ion: 106 Resp: 187926

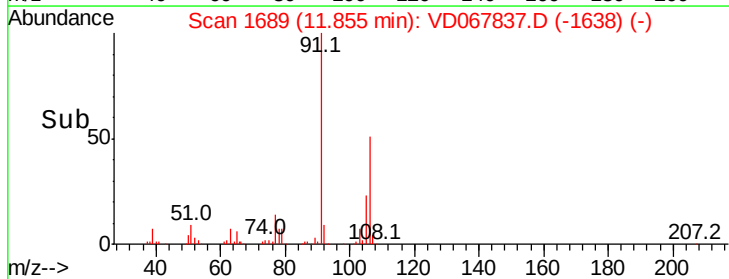
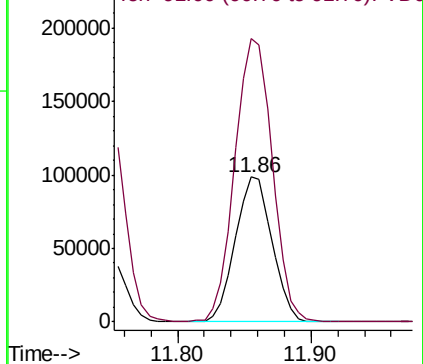
Ion Ratio Lower Upper

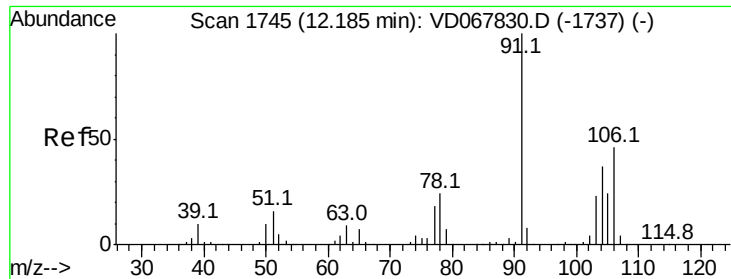
106 100

91 199.6 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

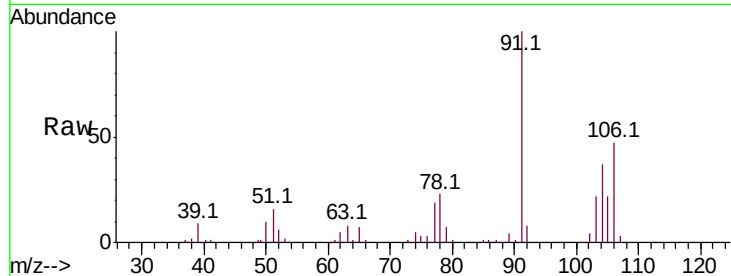




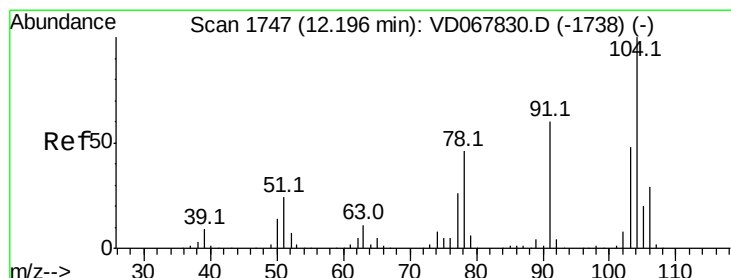
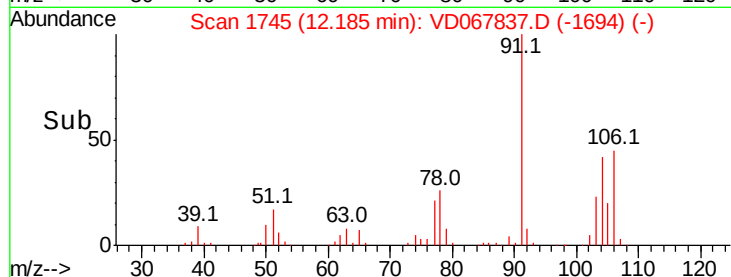
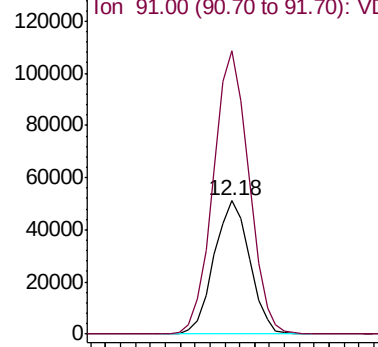
#69
o-Xylene
Concen: 21.017 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion:106 Resp: 84796
Ion Ratio Lower Upper
106 100
91 211.7 107.5 322.5

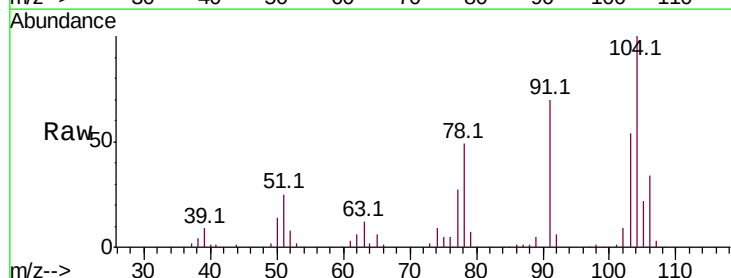


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

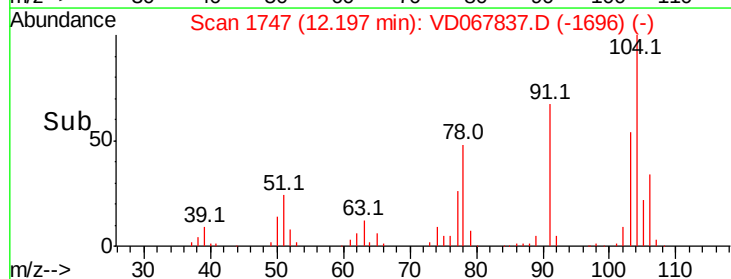
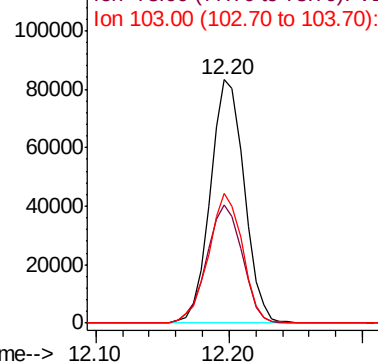


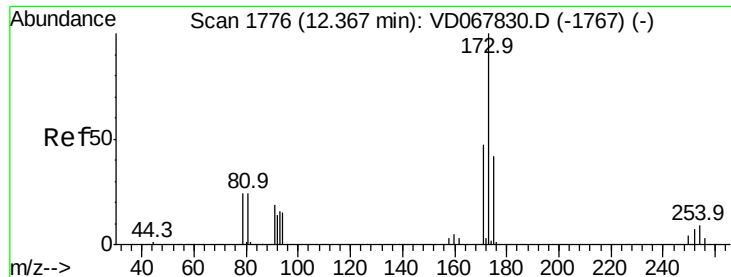
#70
Styrene
Concen: 20.823 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion:104 Resp: 146086
Ion Ratio Lower Upper
104 100
78 51.1 41.6 62.4
103 53.8 43.2 64.8



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





#71

Bromoform

Concen: 19.843 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

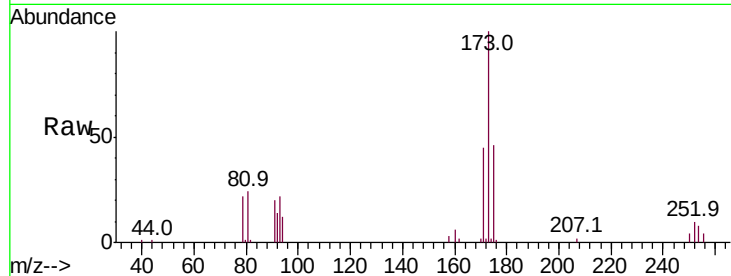
Tot Ion:173 Resp: 28986

Ion Ratio Lower Upper

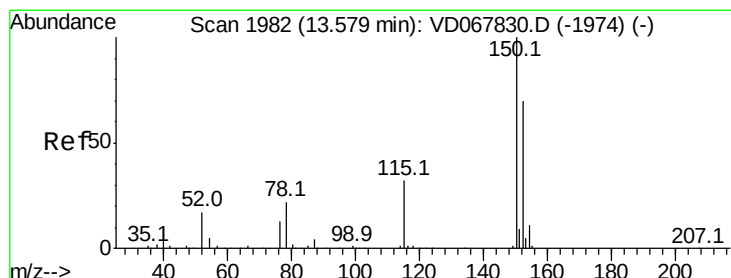
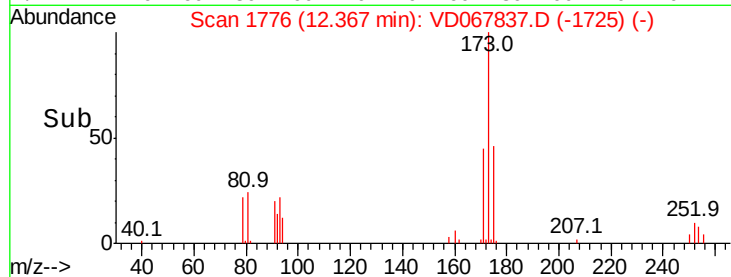
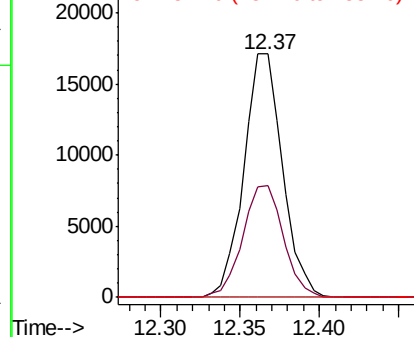
173 100

175 48.2 23.4 70.3

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

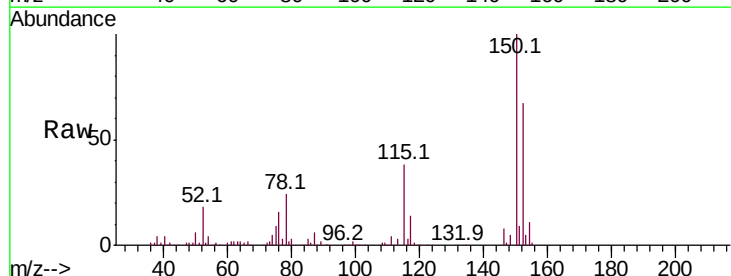
Tgt Ion:152 Resp: 181434

Ion Ratio Lower Upper

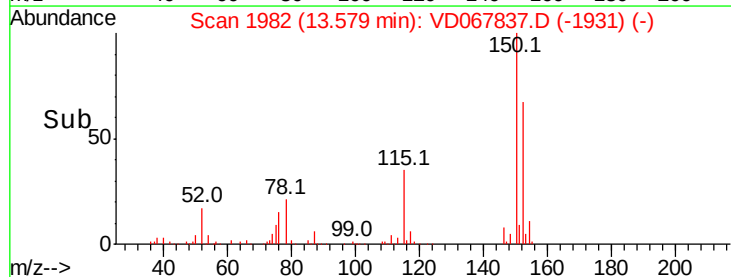
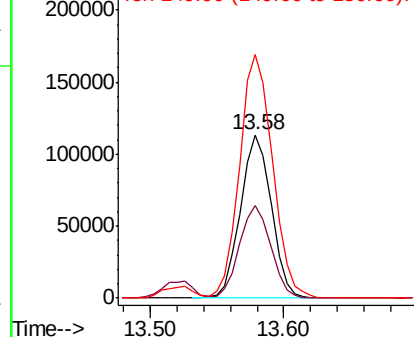
152 100

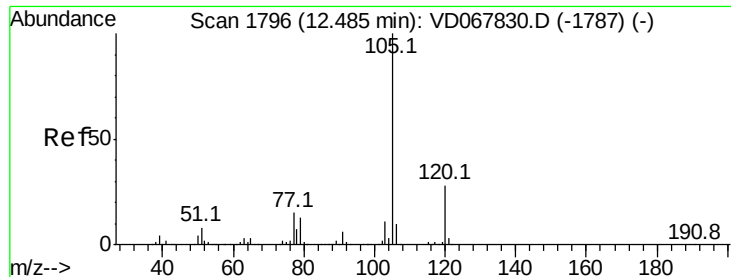
115 57.9 29.1 87.4

150 159.6 0.0 339.0



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





#73

Isopropylbenzene

Concen: 19.397 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

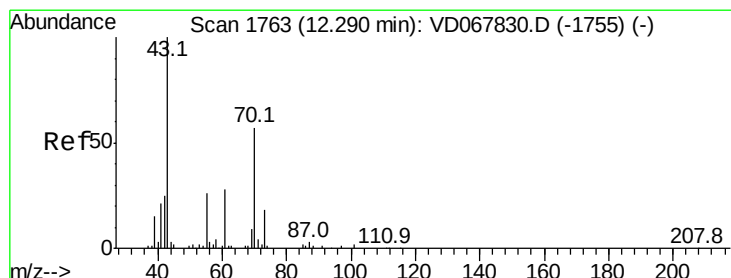
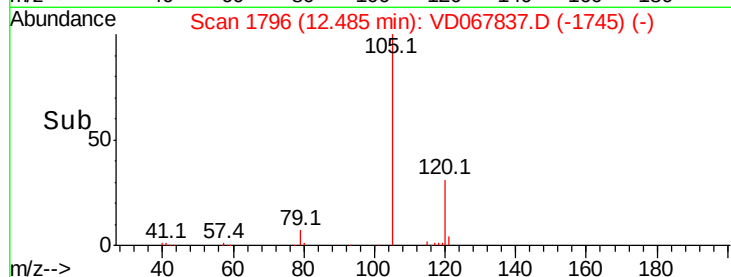
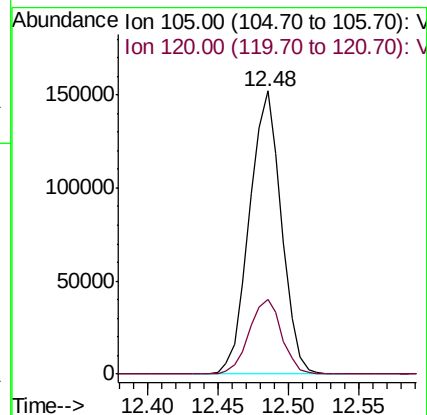
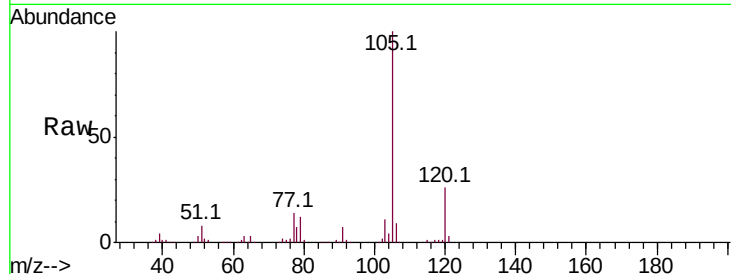
VD1202SBS01

Tot Ion:105 Resp: 242017

Ion Ratio Lower Upper

105 100

120 27.0 13.9 41.6



#74

N-ethyl acetate

Concen: 17.786 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Tgt Ion: 43 Resp: 27451

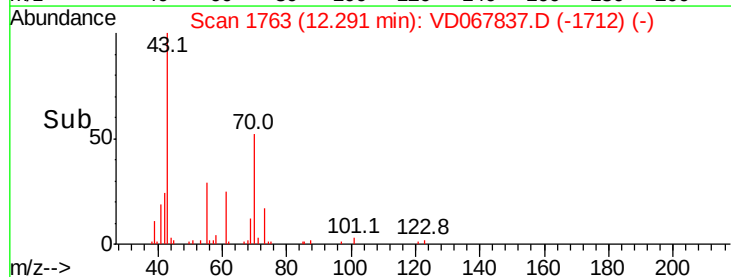
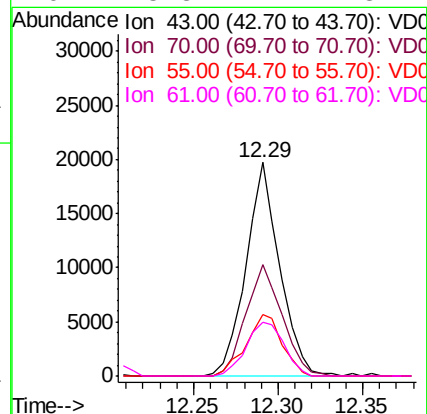
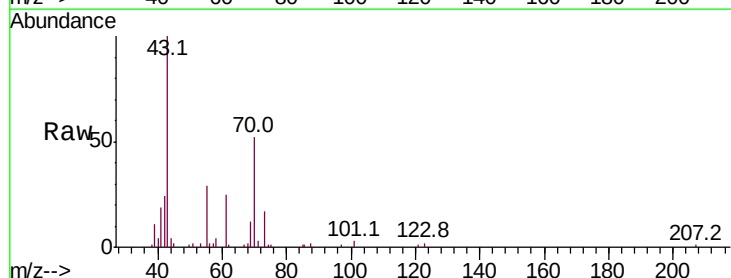
Ion Ratio Lower Upper

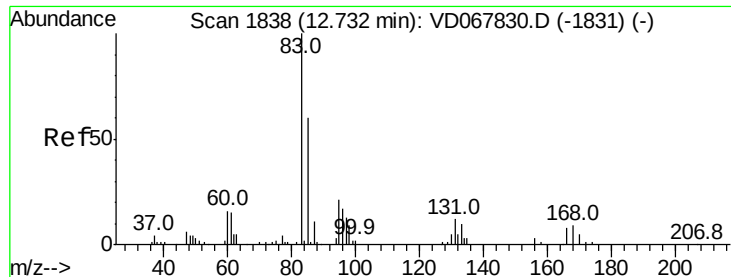
43 100

70 56.0 44.6 66.8

55 30.7 22.2 33.2

61 28.3 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.065 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

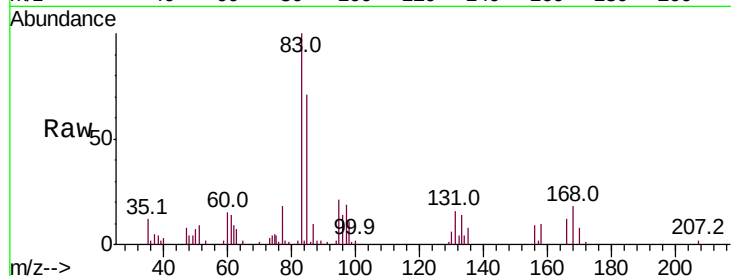
Tot Ion: 83 Resp: 28111

Ion Ratio Lower Upper

83 100

131 16.2 8.0 24.0

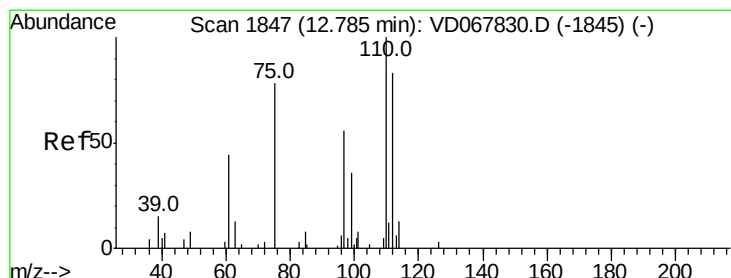
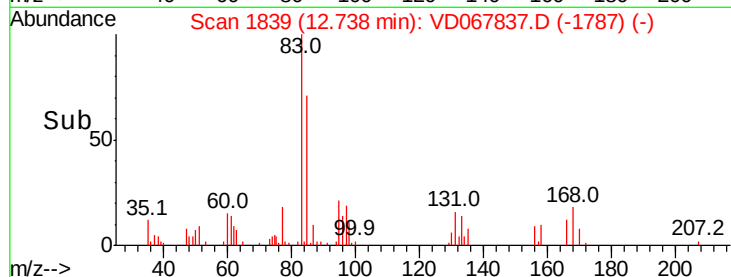
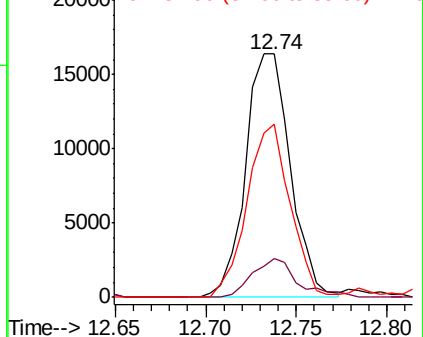
85 69.0 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 32.734 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067837.D

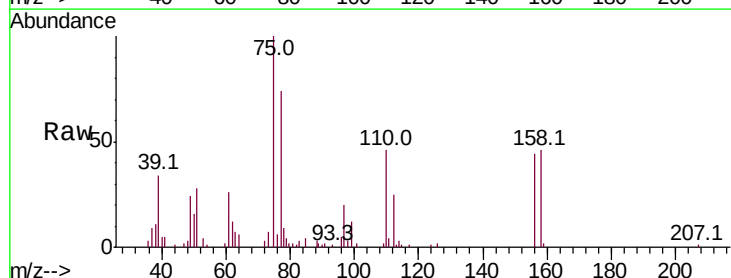
Acq: 02 Dec 2020 15:48

Tgt Ion: 75 Resp: 43250

Ion Ratio Lower Upper

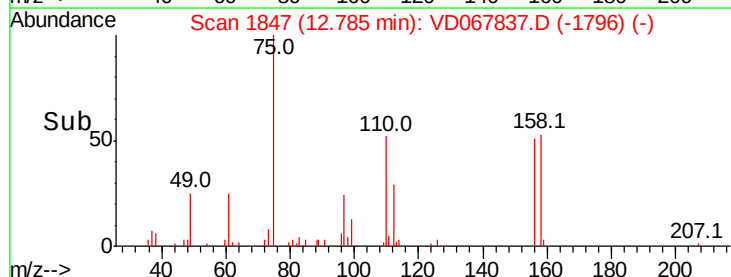
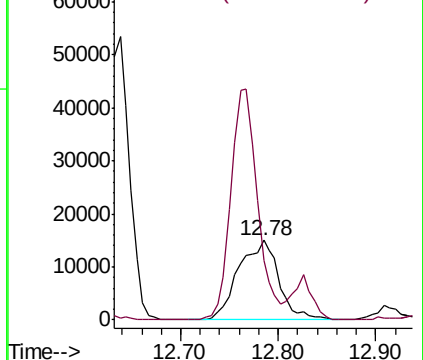
75 100

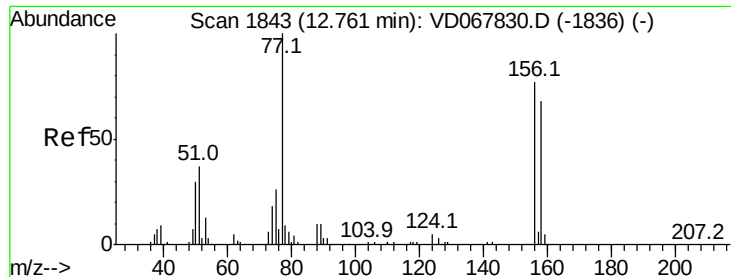
77 191.9 175.9 527.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 18.534 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

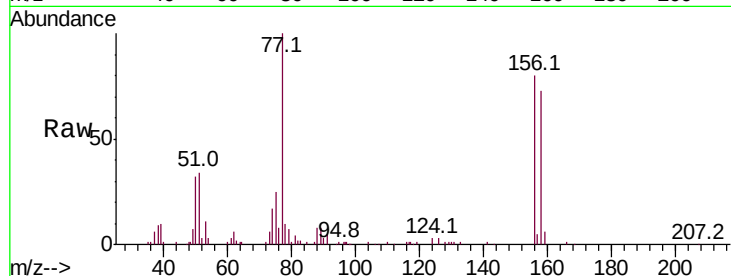
Tot Ion:156 Resp: 57491

Ion Ratio Lower Upper

156 100

77 144.4 71.5 214.5

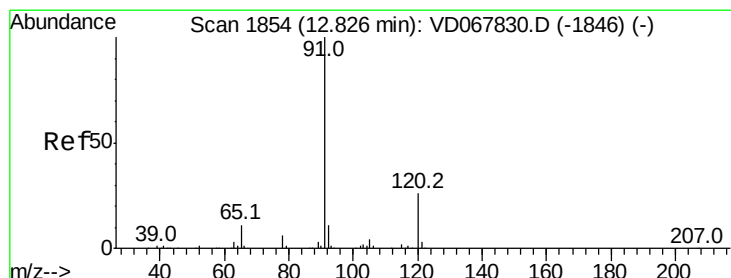
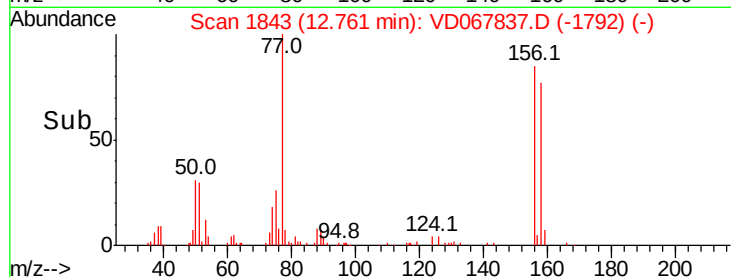
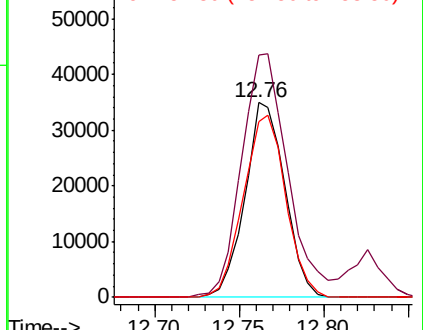
158 99.4 47.1 141.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.081 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067837.D

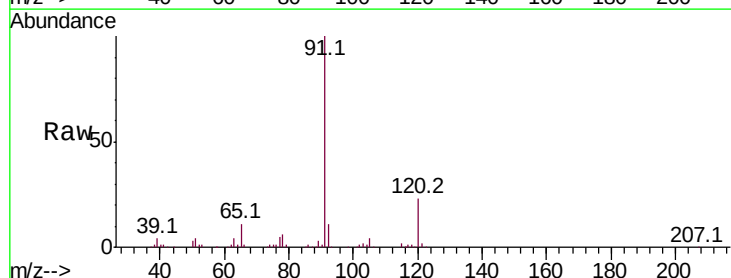
Acq: 02 Dec 2020 15:48

Tgt Ion: 91 Resp: 263878

Ion Ratio Lower Upper

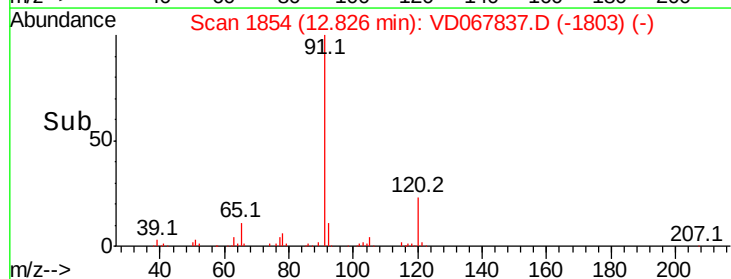
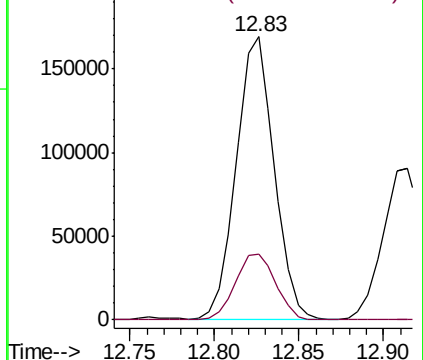
91 100

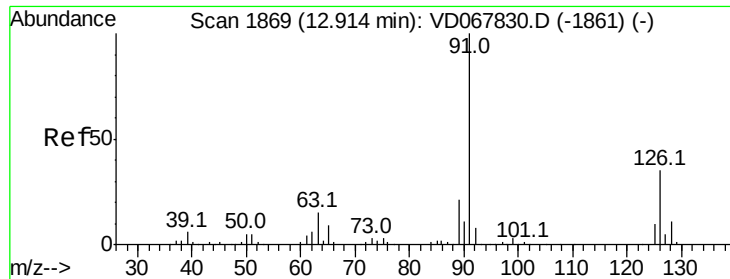
120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

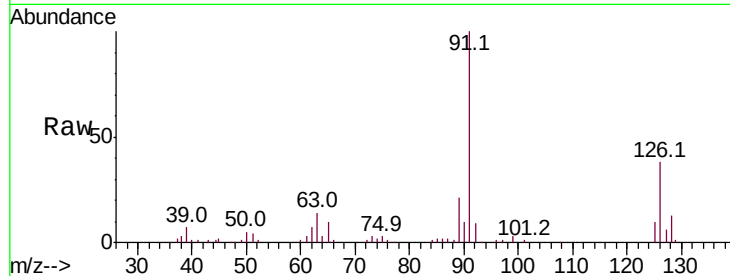




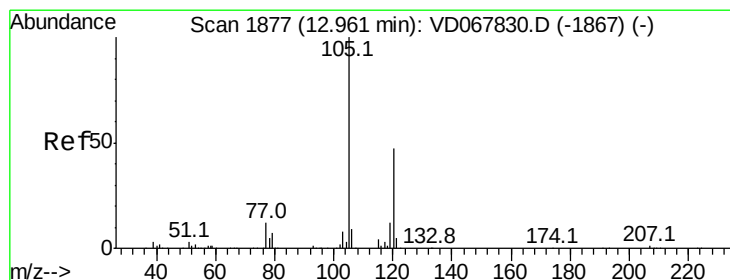
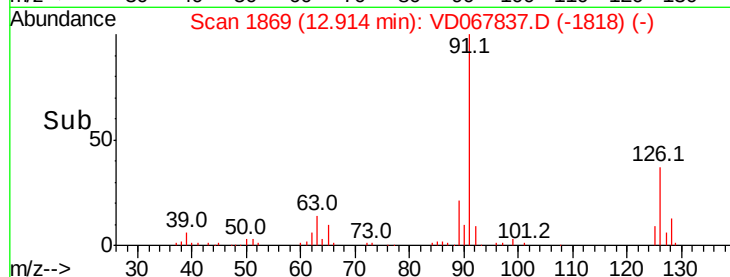
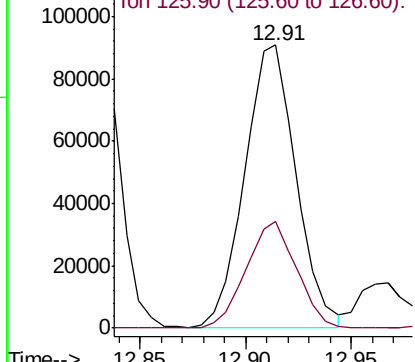
#79
2-Chlorotoluene
Concen: 18.824 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion: 91 Resp: 153144
Ion Ratio Lower Upper
91 100
126 37.0 17.9 53.7

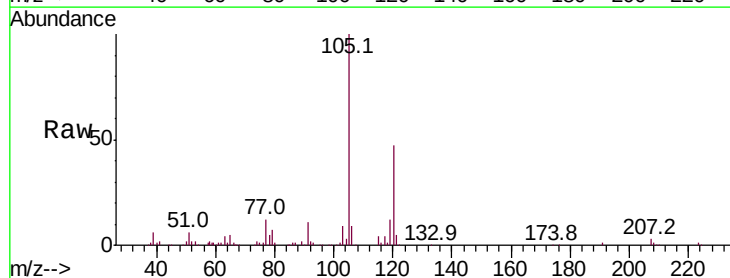


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

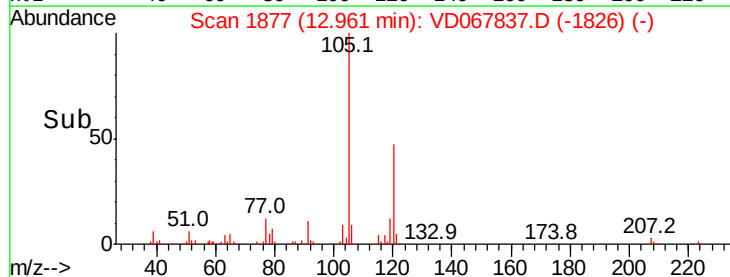
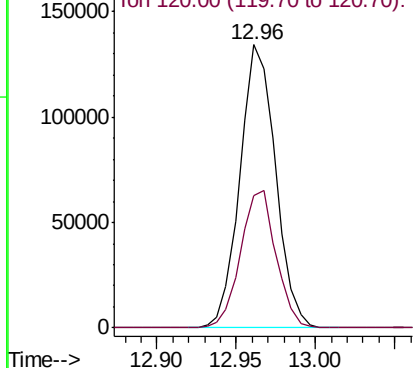


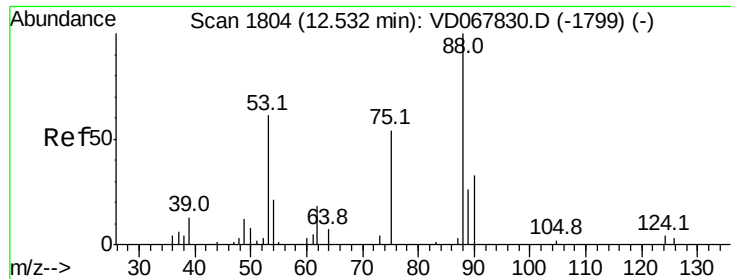
#80
1,3,5-Trimethylbenzene
Concen: 19.424 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion:105 Resp: 209832
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.9



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

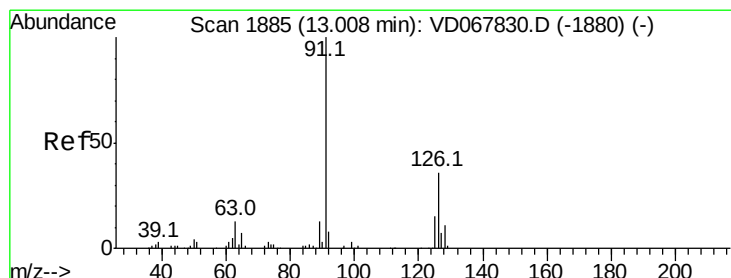
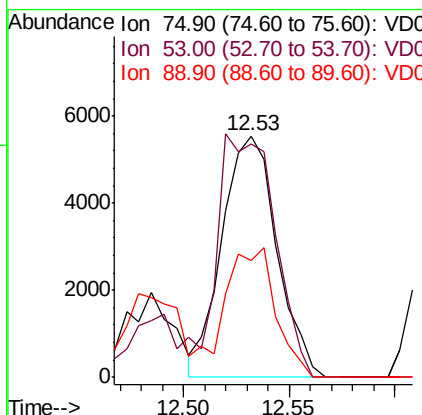
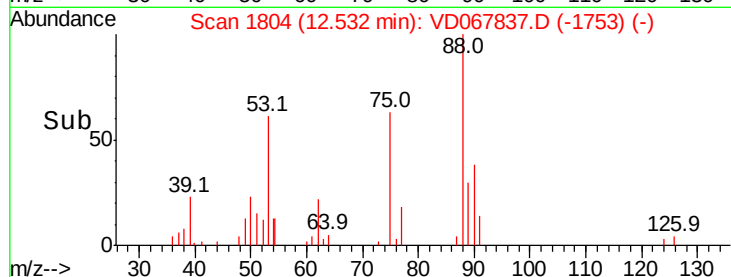
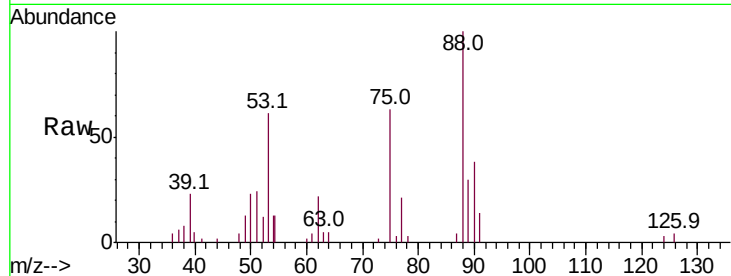




#81
trans-1,4-Dichloro-2-butene
Concen: 18.058 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

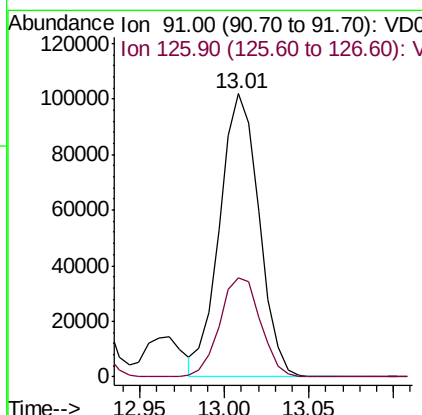
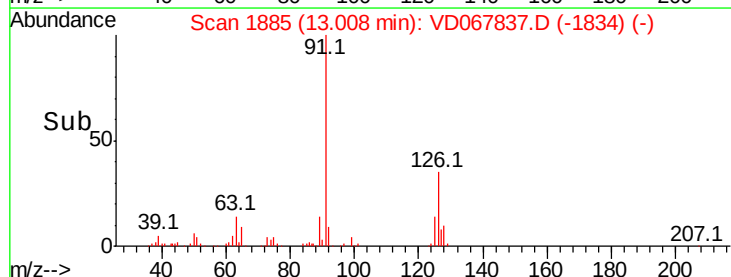
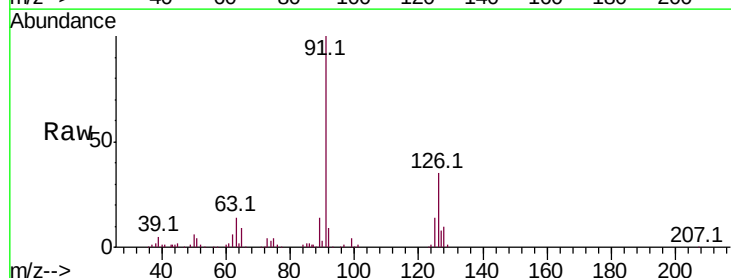
Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

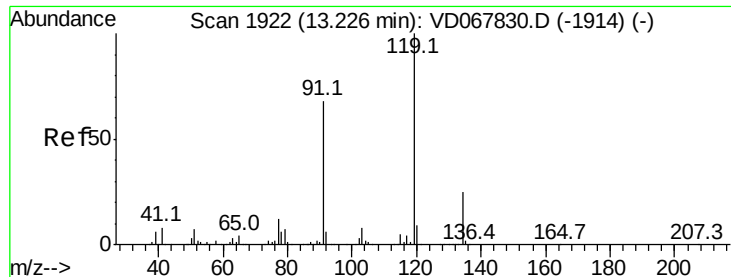
Tot Ion: 75 Resp: 9974
Ion Ratio Lower Upper
75 100
53 102.4 84.6 127.0
89 45.7 41.0 61.6



#82
4-Chlorotoluene
Concen: 19.059 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 91 Resp: 165401
Ion Ratio Lower Upper
91 100
126 36.2 18.1 54.4





#83

tert-Butylbenzene

Concen: 19.558 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

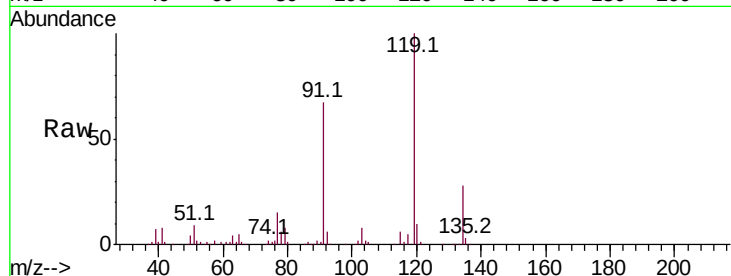
Tot Ion:119 Resp: 179796

Ion Ratio Lower Upper

119 100

91 64.6 33.1 99.3

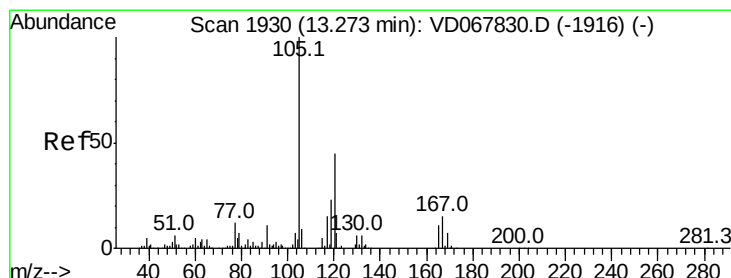
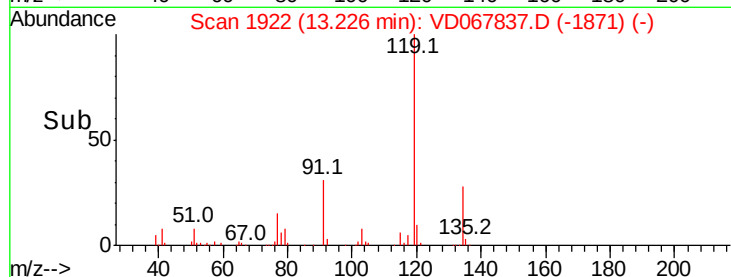
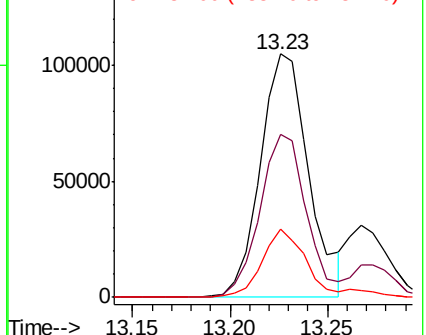
134 24.8 13.6 40.8



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: 19.467 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067837.D

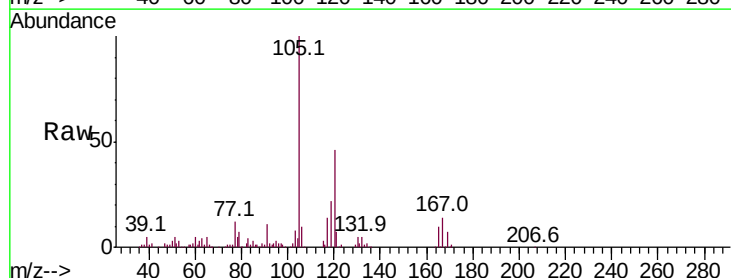
Acq: 02 Dec 2020 15:48

Tgt Ion:105 Resp: 209118

Ion Ratio Lower Upper

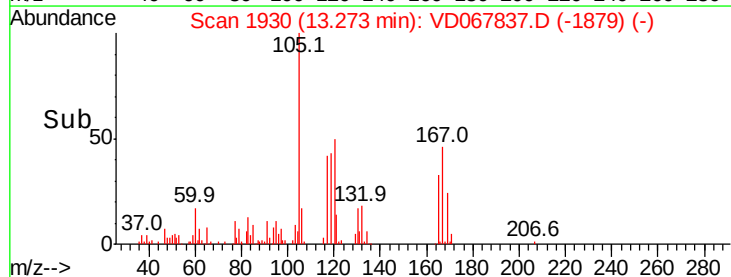
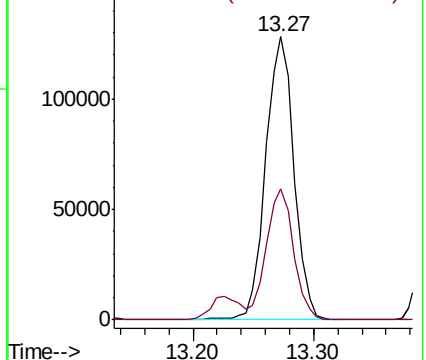
105 100

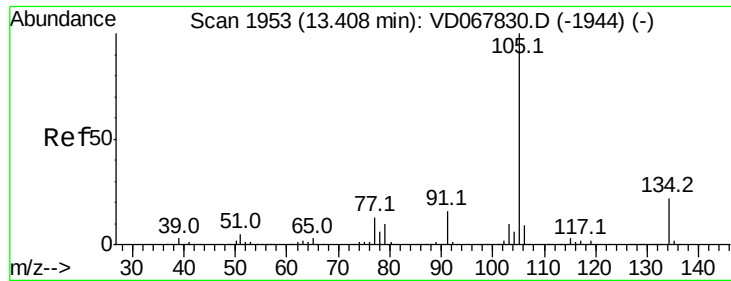
120 44.9 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.334 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

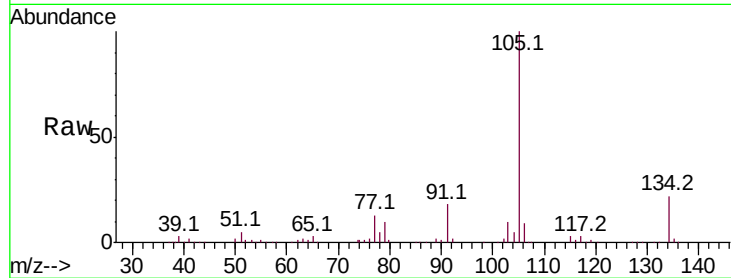
VD1202SBS01

Tot Ion:105 Resp: 237215

Ion Ratio Lower Upper

105 100

134 20.9 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

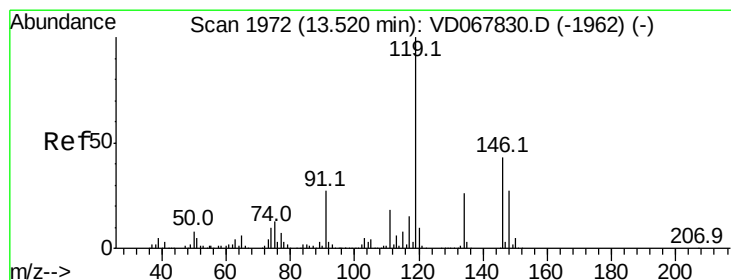
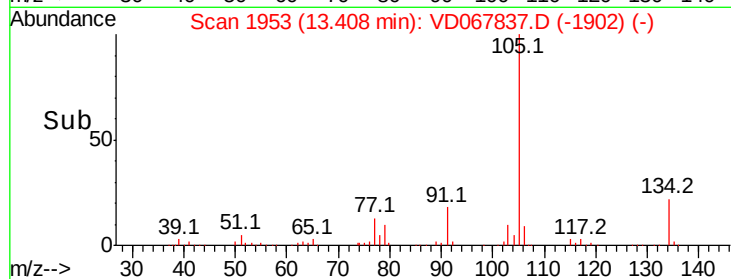
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 19.046 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

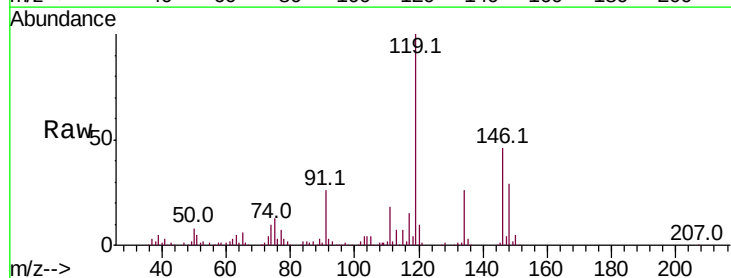
Tgt Ion:119 Resp: 229029

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 26.2 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

200000

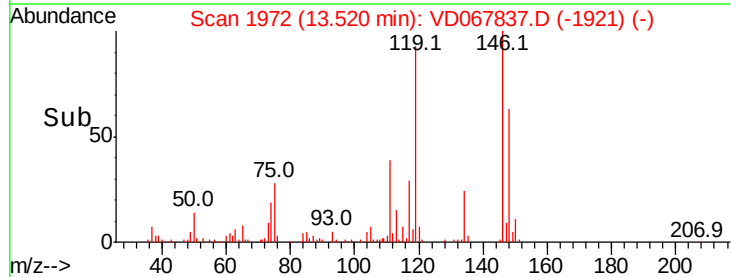
150000

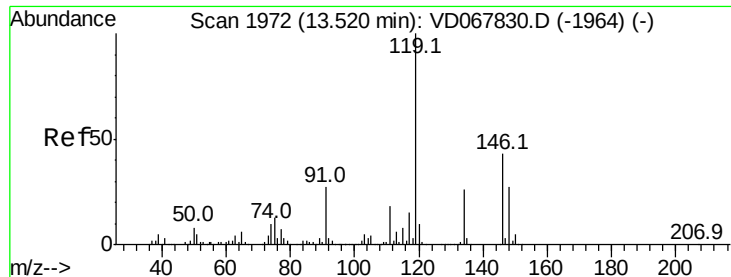
100000

50000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 18.729 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

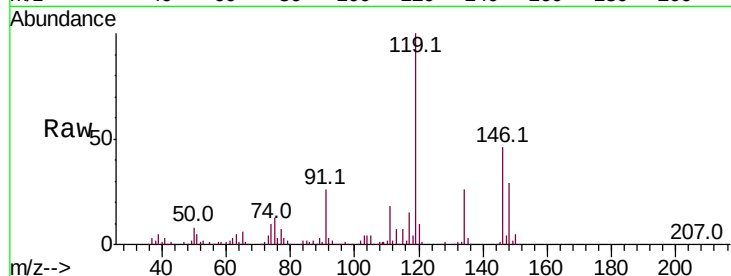
Tot Ion:146 Resp: 112068

Ion Ratio Lower Upper

146 100

111 40.2 20.8 62.2

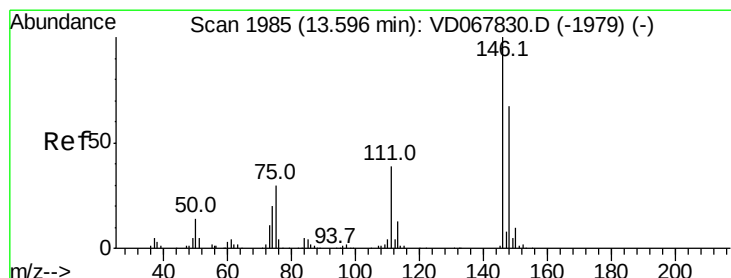
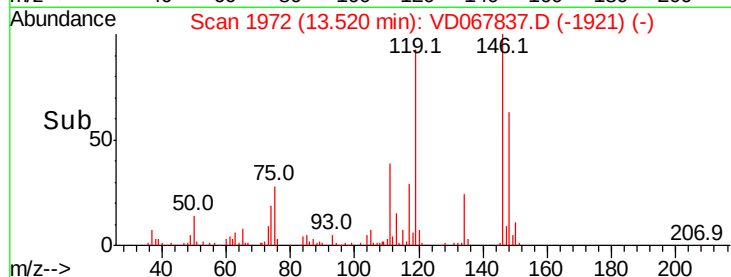
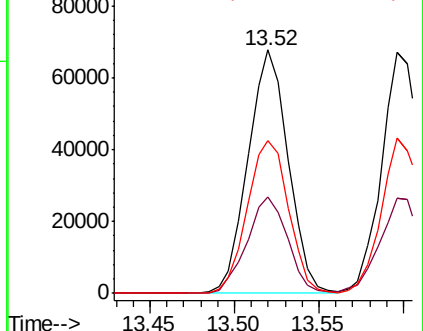
148 64.3 32.9 98.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.342 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

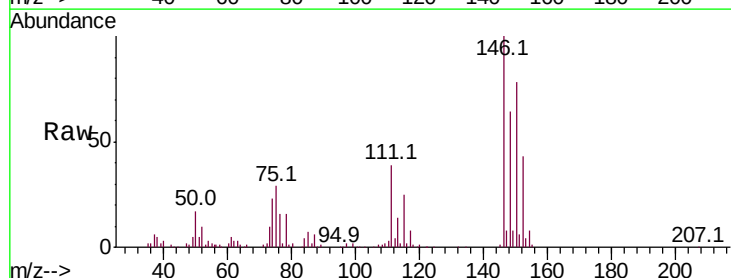
Tgt Ion:146 Resp: 109796

Ion Ratio Lower Upper

146 100

111 41.4 19.9 59.6

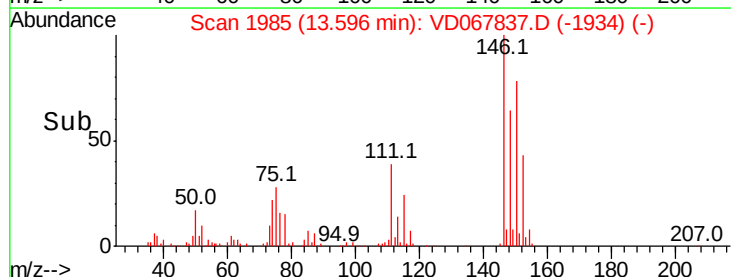
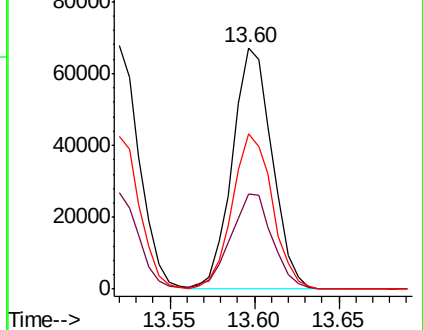
148 65.3 32.4 97.2

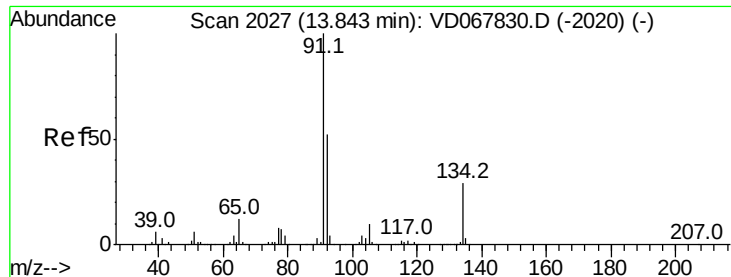


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

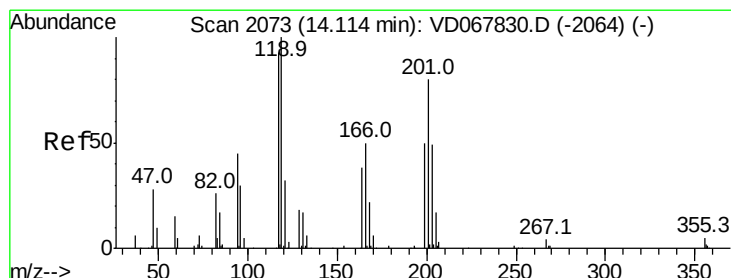
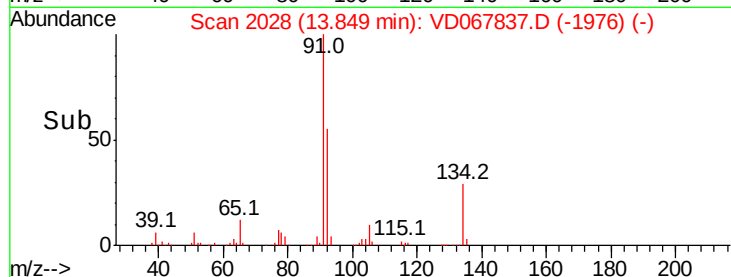
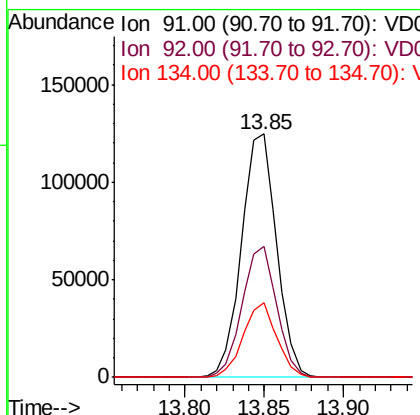
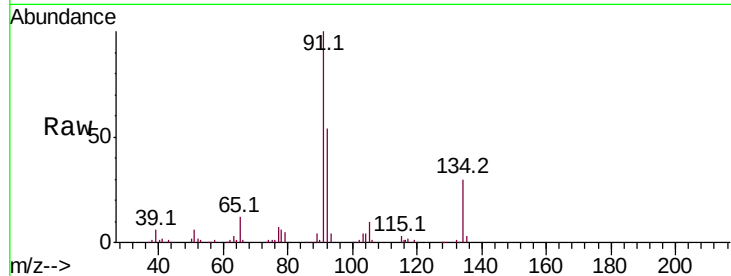




#89
n-Butylbenzene
Concen: 19.151 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

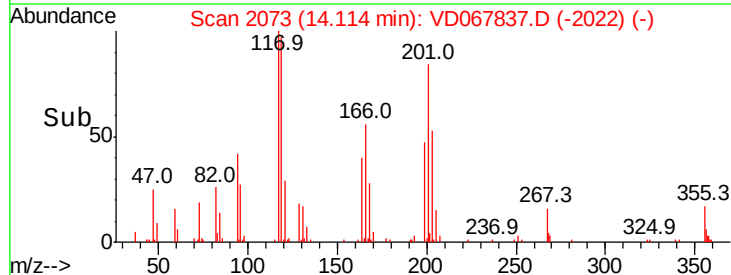
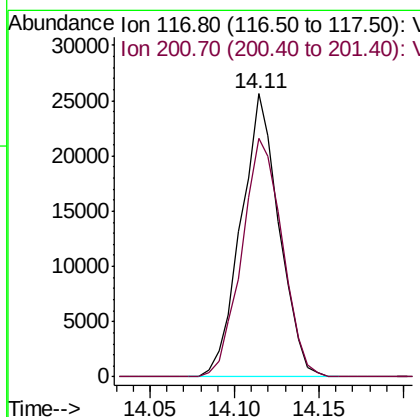
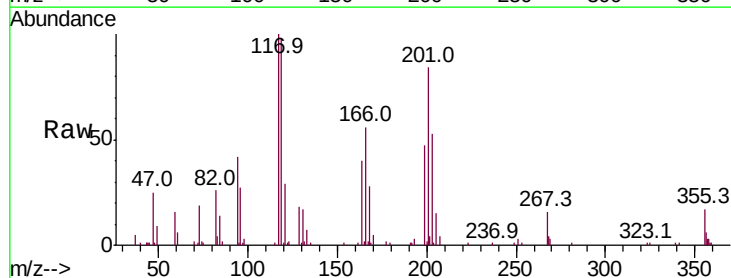
Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

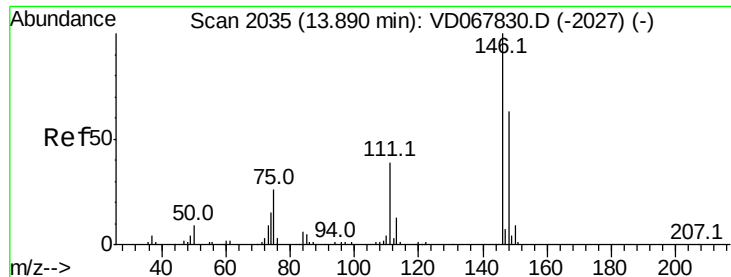
Tot Ion: 91 Resp: 191320
Ion Ratio Lower Upper
91 100
92 53.1 26.3 78.8
134 29.3 14.8 44.3



#90
Hexachloroethane
Concen: 18.144 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067837.D
Acq: 02 Dec 2020 15:48

Tgt Ion: 117 Resp: 40282
Ion Ratio Lower Upper
117 100
201 89.5 43.9 131.6

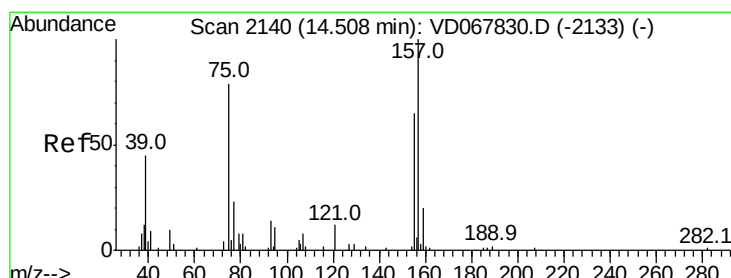
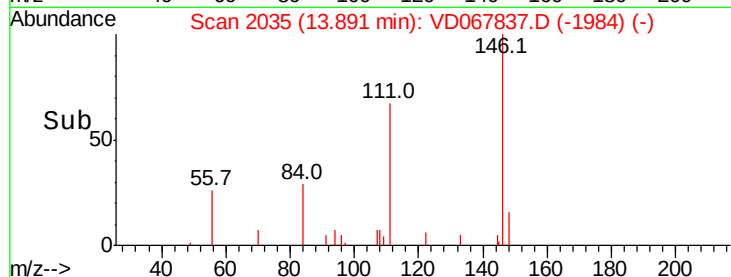
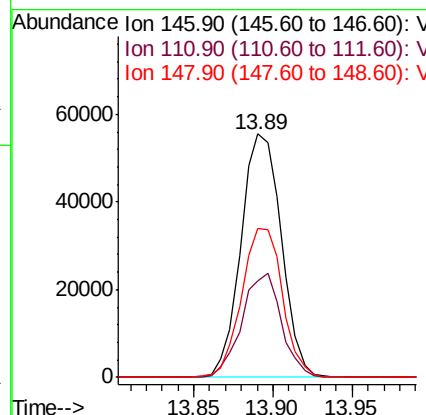
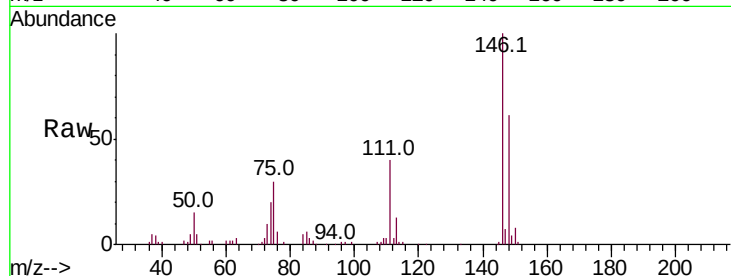




#91
 1,2-Dichlorobenzene
 Concen: 18.902 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

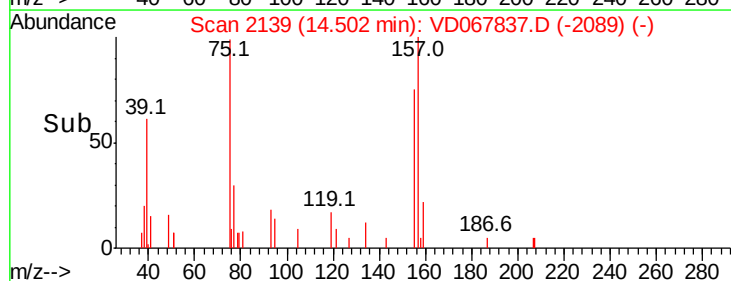
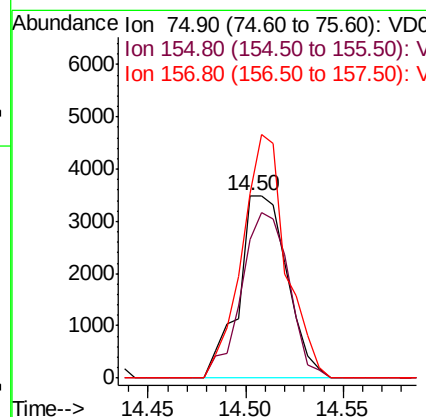
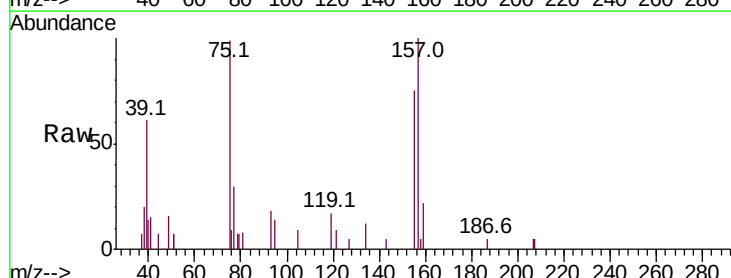
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

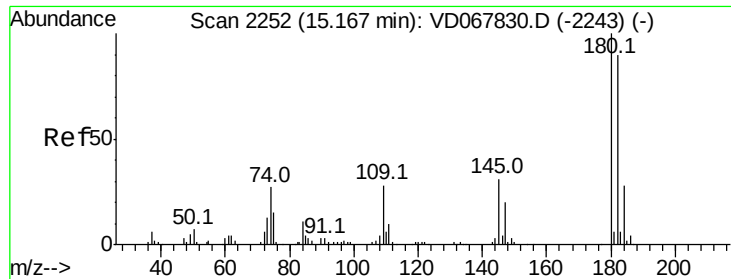
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	62.0	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.415 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	44.1	132.4
157	121.5	62.4	187.2

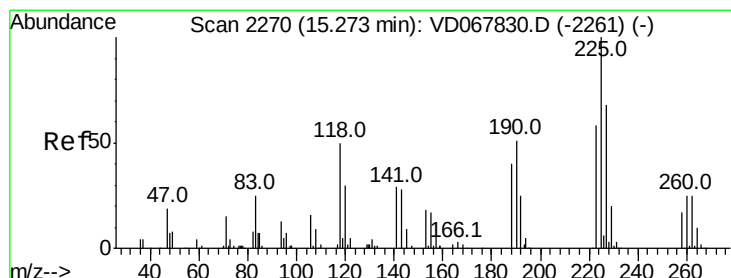
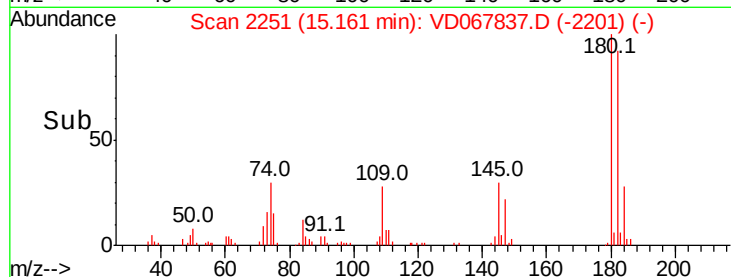
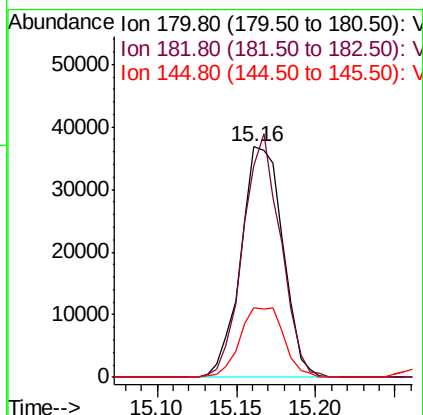
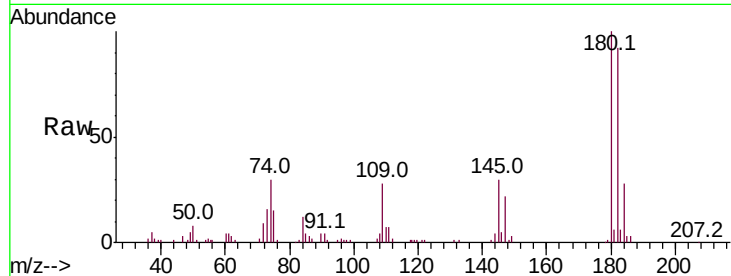




#93
 1,2,4-Trichlorobenzene
 Concen: 18.712 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

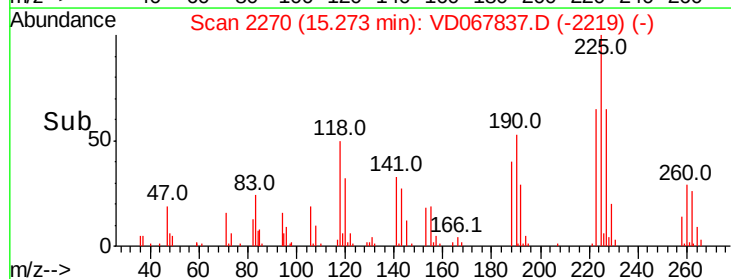
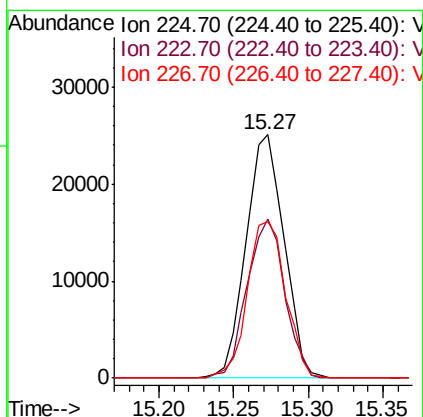
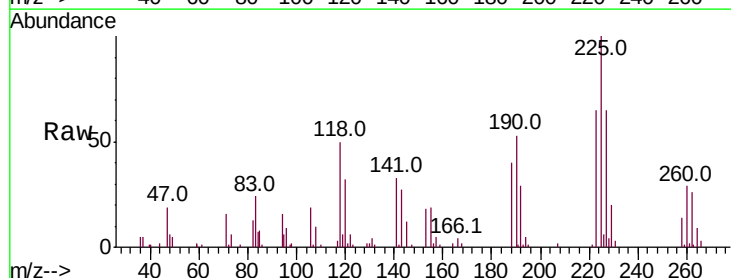
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

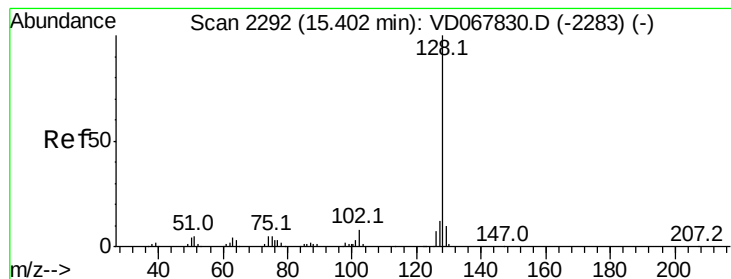
Tot Ion:180 Resp: 67926
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.5 142.6
 145 31.6 16.4 49.4



#94
 Hexachlorobutadiene
 Concen: 18.700 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067837.D
 Acq: 02 Dec 2020 15:48

Tgt Ion:225 Resp: 44295
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.1 93.3
 227 64.5 33.1 99.3





#95

Naphthalene

Concen: 17.609 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

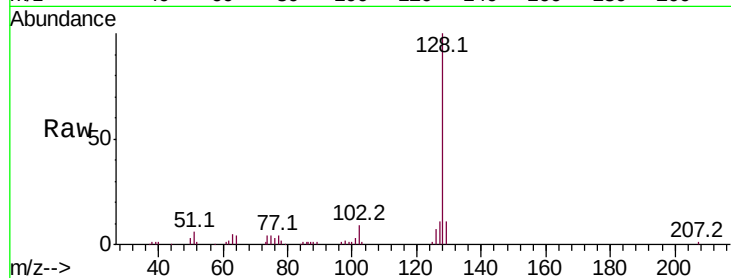
Tot Ion:128 Resp: 104017

Ion Ratio Lower Upper

128 100

127 12.2 10.6 15.8

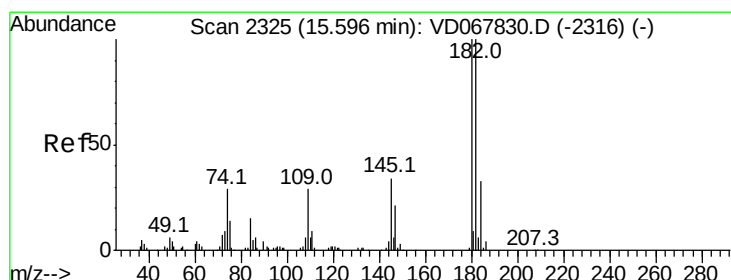
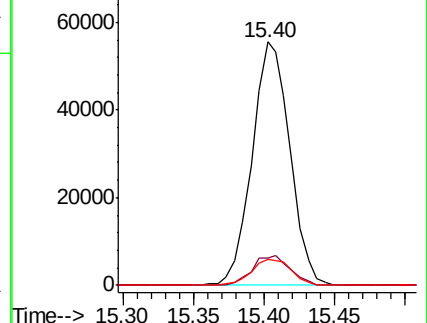
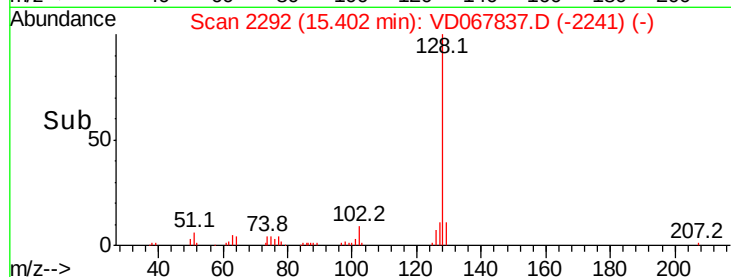
129 11.4 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.320 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067837.D

Acq: 02 Dec 2020 15:48

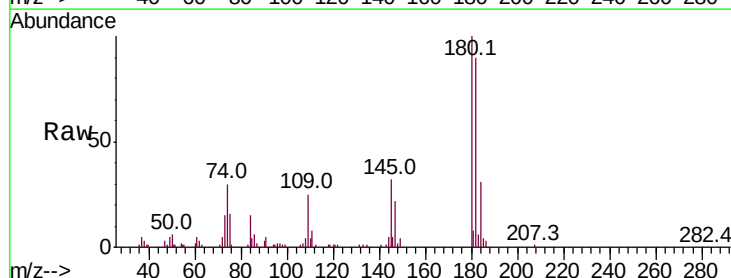
Tgt Ion:180 Resp: 57430

Ion Ratio Lower Upper

180 100

182 94.5 47.3 142.0

145 35.5 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

