

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070874.D
 Acq On : 27 Oct 2021 20:03
 Operator : VA/SY
 Sample : M4372-11
 Misc : 5.10G/5.00ml/MSVOA_D/soil
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 28 04:00:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

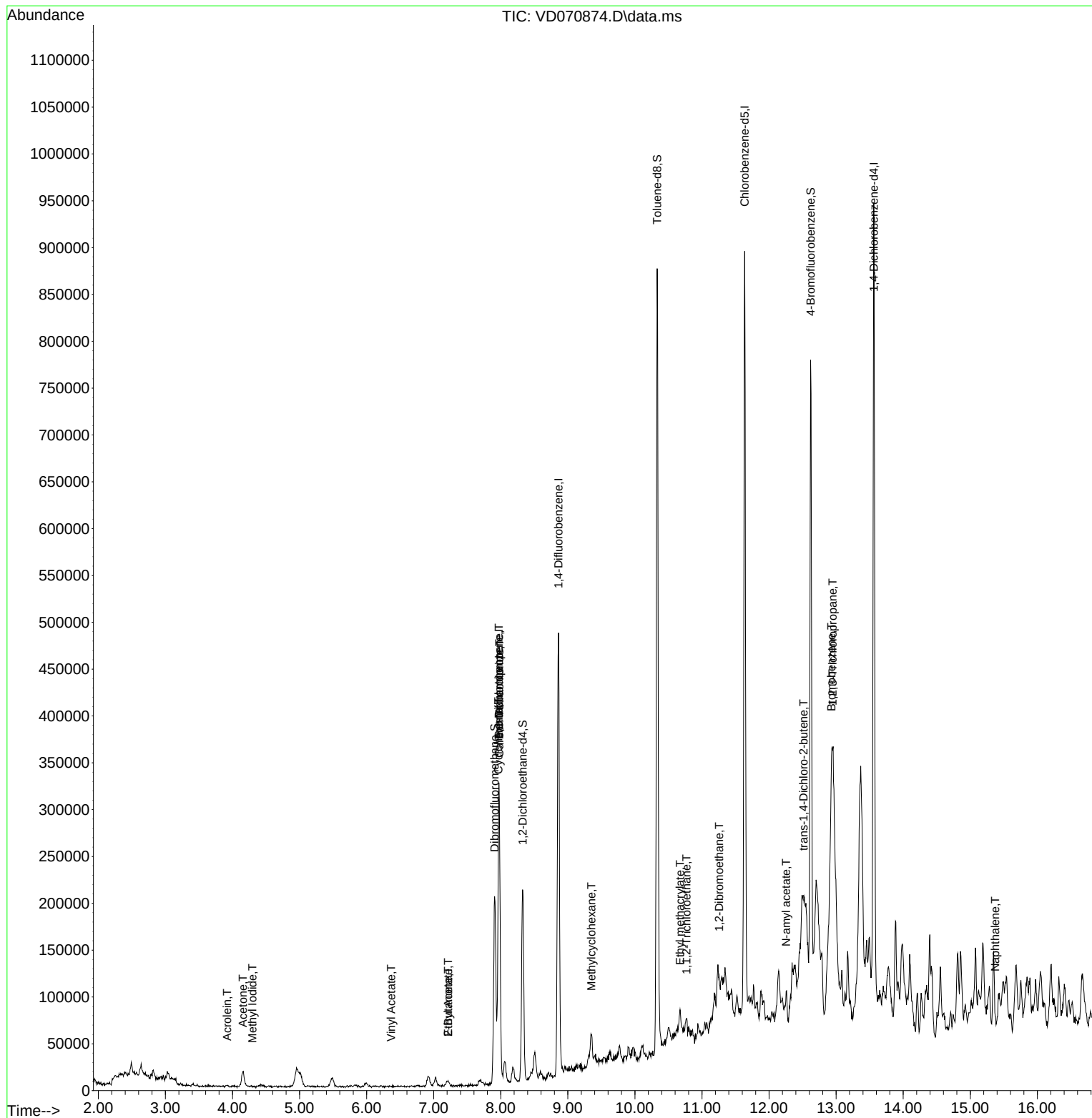
Internal Standards						
1) Pentafluorobenzene	7.973	168	236640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	424306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	481977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	246812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	160314	67.359	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.720%			
35) Dibromofluoromethane	7.908	113	153135	54.737	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.480%			
50) Toluene-d8	10.332	98	594107	56.446	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.900%			
62) 4-Bromofluorobenzene	12.620	95	234791	67.609	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 135.220%			
Target Compounds						Qvalue
5) Bromomethane	2.750	94	333	Below Cal	#	74
10) Methyl Iodide	4.297	142	143	3.656	ug/l #	40
13) Acrolein	3.920	56	770	6.788	ug/l #	13
16) Acetone	4.156	43	25447	45.957	ug/l	97
20) Methylene Chloride	4.956	84	12663	Below Cal		86
23) Vinyl Acetate	6.367	43	136	14.448	ug/l #	72
25) 2-Butanone	7.214	43	7844	11.510	ug/l #	86
31) Cyclohexane	7.967	56	9041	1.864	ug/l #	59
36) 1,1-Dichloropropene	7.973	75	18083	4.073	ug/l #	48
37) Ethyl Acetate	7.214	43	7844	4.752	ug/l #	66
38) Carbon Tetrachloride	7.979	117	23682	5.305	ug/l #	21
39) Methylcyclohexane	9.349	83	12282	2.404	ug/l	98
55) 1,1,2-Trichloroethane	10.767	97	5938	2.496	ug/l #	28
56) Ethyl methacrylate	10.673	69	5171	4.515	ug/l #	72
61) 1,2-Dibromoethane	11.255	107	3104	1.413	ug/l #	6
74) N-amyl acetate	12.255	43	6990	1.931	ug/l #	64
76) 1,2,3-Trichloropropane	12.949	75	10195	4.196	ug/l	92
77) Bromobenzene	12.932	156	321096	80.052	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.514	75	4695	5.072	ug/l #	35
95) Naphthalene	15.373	128	1670	4.322	ug/l #	69

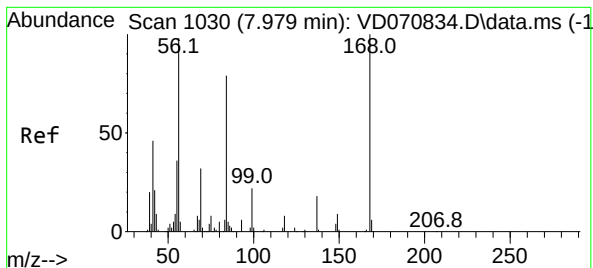
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
Data File : VD070874.D
Acq On : 27 Oct 2021 20:03
Operator : VA/SY
Sample : M4372-11
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 28 04:00:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 2021
Response via : Initial Calibration



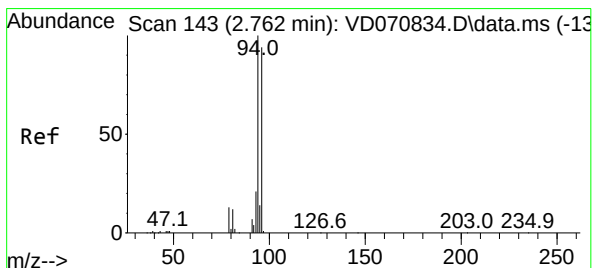
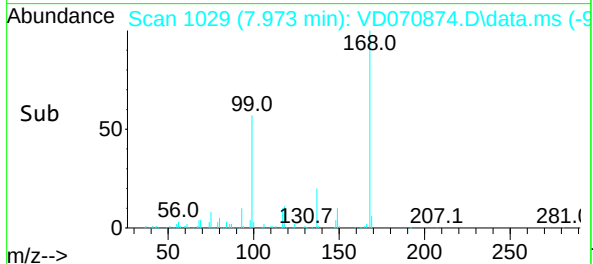
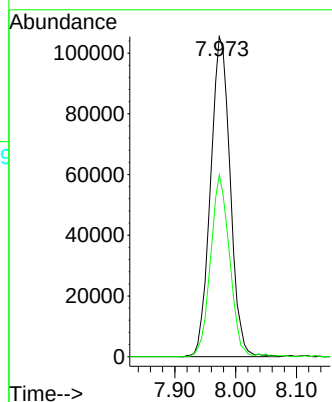
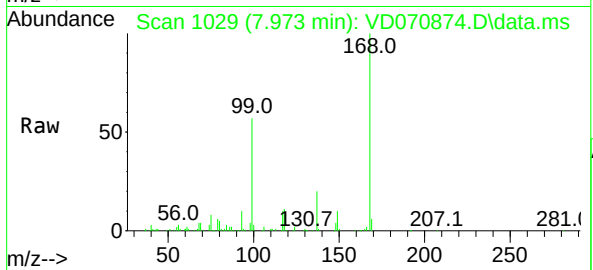


#1

Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

Instrument :
MSVOA_D
ClientSampleId :

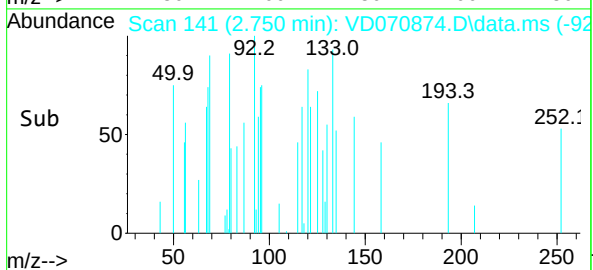
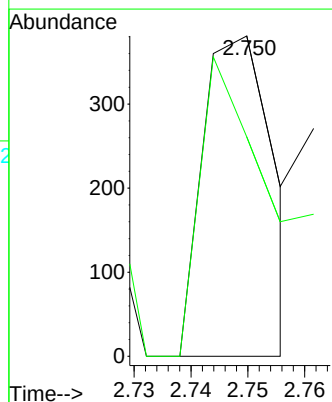
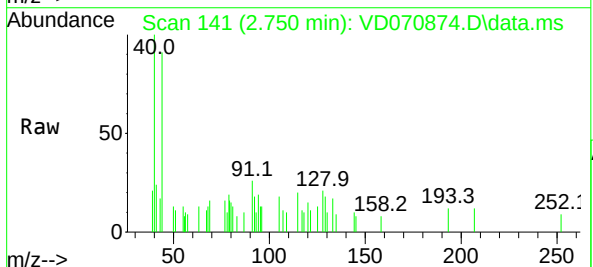
Tgt Ion:168 Resp: 236640
Ion Ratio Lower Upper
168 100
99 56.7 46.6 69.8

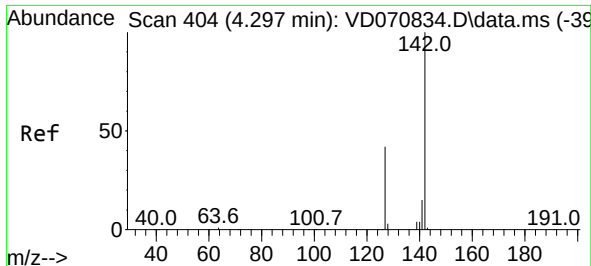


#5

Bromomethane
Concen: Below Cal
RT: 2.750 min Scan# 141
Delta R.T. -0.012 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

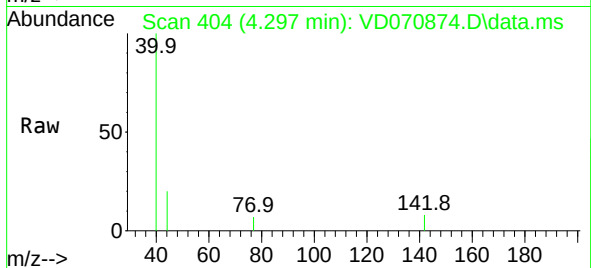
Tgt Ion: 94 Resp: 333
Ion Ratio Lower Upper
94 100
96 68.5 74.8 112.2#



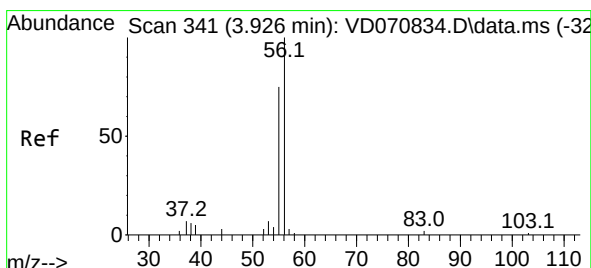
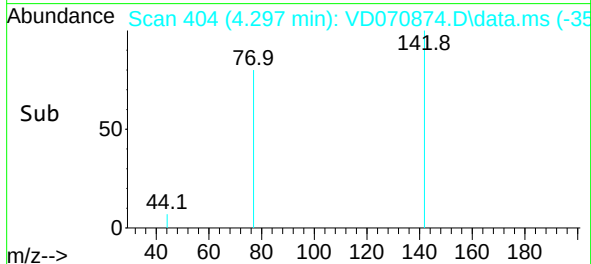
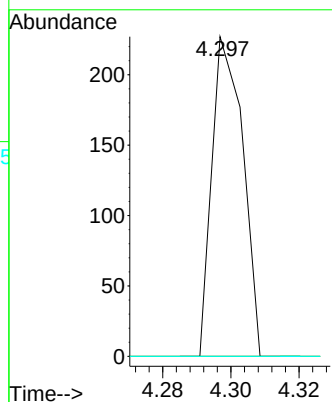


#10
Methyl Iodide
Concen: 3.656 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

Instrument :
MSVOA_D
ClientSampleId :

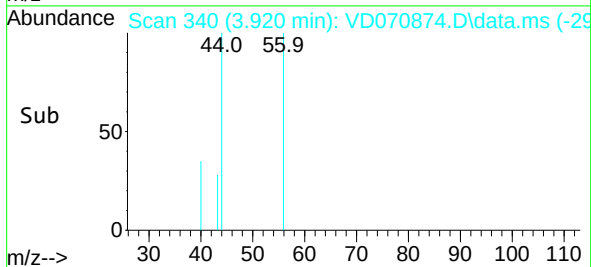
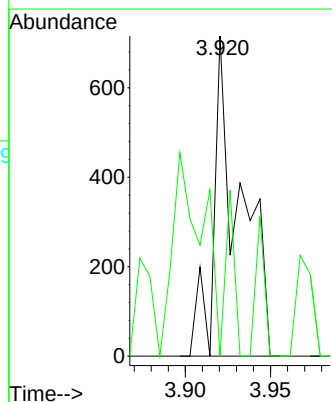
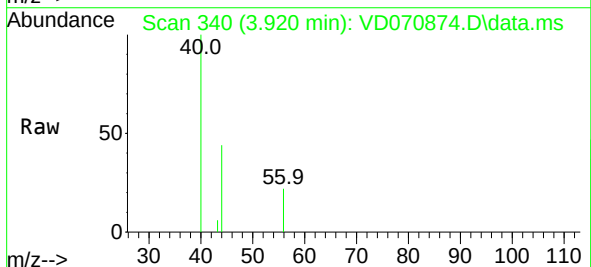


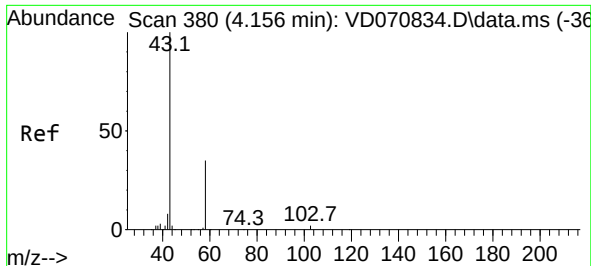
Tgt Ion:142 Resp: 143
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 6.788 ug/l
RT: 3.920 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

Tgt Ion: 56 Resp: 770
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

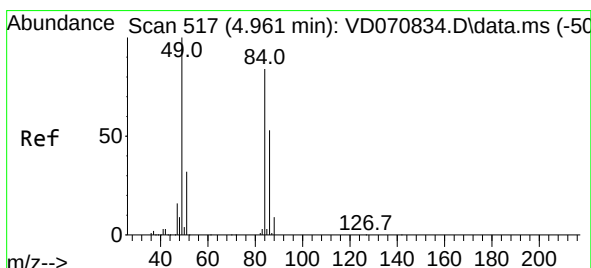
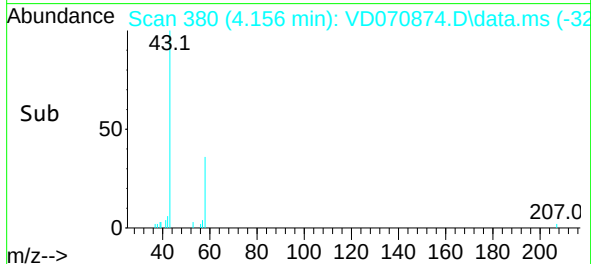
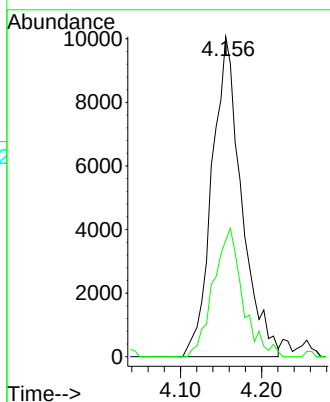
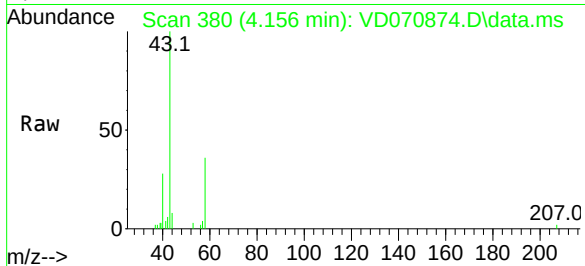




#16
Acetone
Concen: 45.957 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

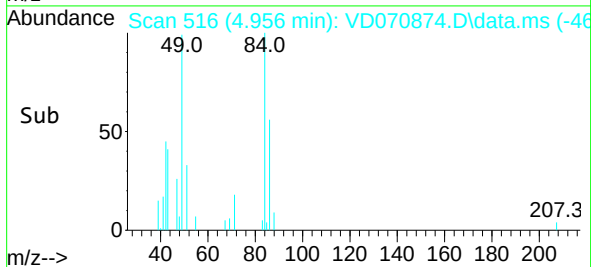
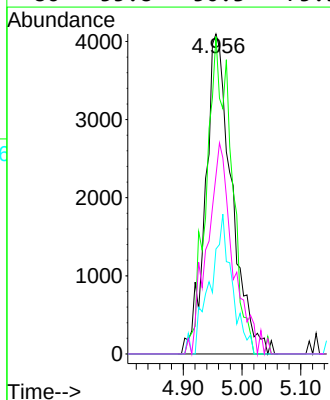
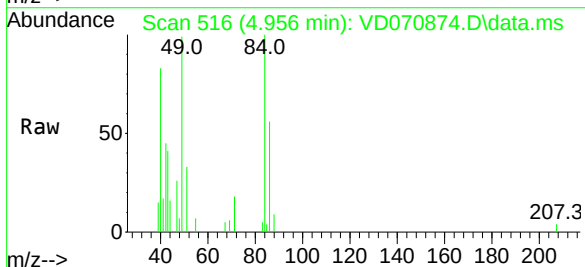
Instrument :
MSVOA_D
ClientSampleId :

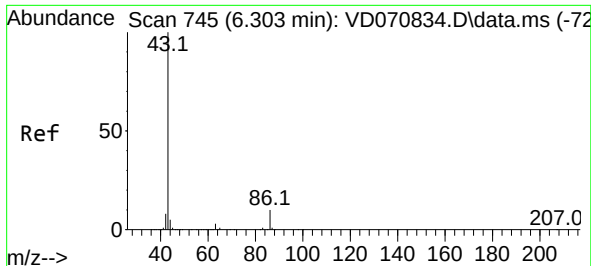
Tgt Ion: 43 Resp: 25447
Ion Ratio Lower Upper
43 100
58 36.4 27.8 41.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

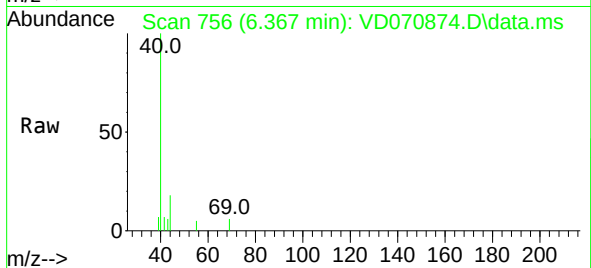
Tgt Ion: 84 Resp: 12663
Ion Ratio Lower Upper
84 100
49 99.2 95.8 143.6
51 32.8 30.9 46.3
86 55.8 50.3 75.5



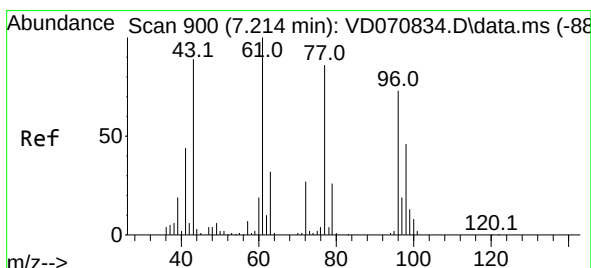
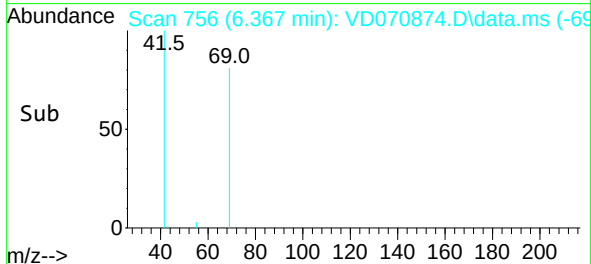
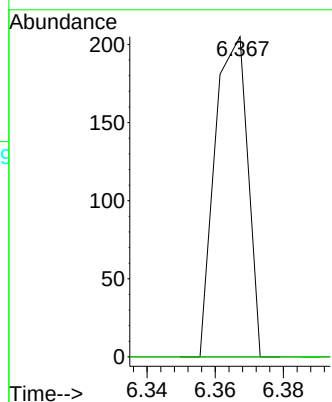


#23
 Vinyl Acetate
 Concen: 14.448 ug/l
 RT: 6.367 min Scan# 756
 Delta R.T. 0.064 min
 Lab File: VD070874.D
 Acq: 27 Oct 2021 20:03

Instrument :
 MSVOA_D
 ClientSampleId :

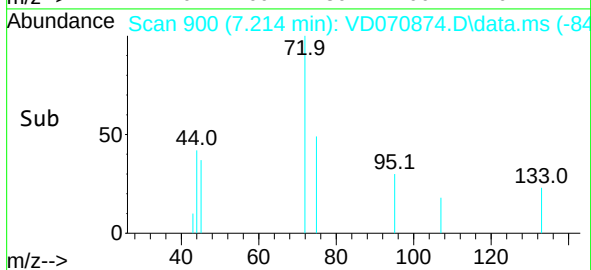
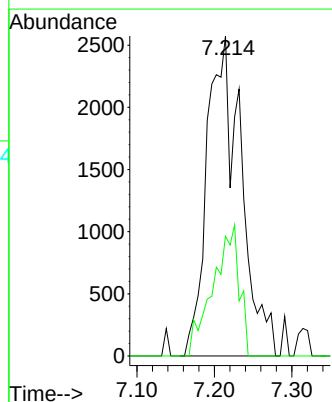
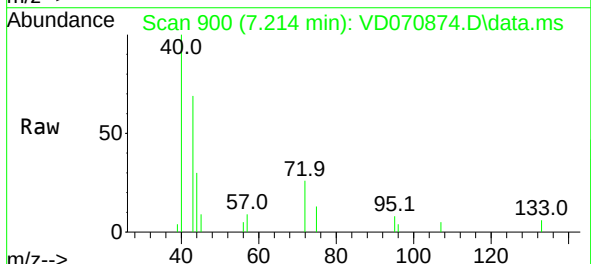


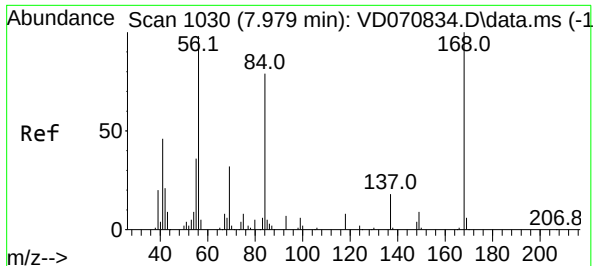
Tgt Ion: 43 Resp: 136
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 11.510 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.000 min
 Lab File: VD070874.D
 Acq: 27 Oct 2021 20:03

Tgt Ion: 43 Resp: 7844
 Ion Ratio Lower Upper
 43 100
 72 37.4 23.8 35.6#





#31

Cyclohexane

Concen: 1.864 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

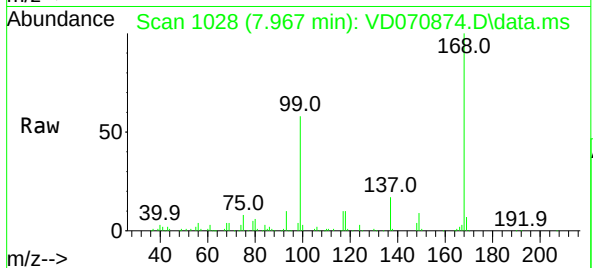
Lab File: VD070874.D

Acq: 27 Oct 2021 20:03

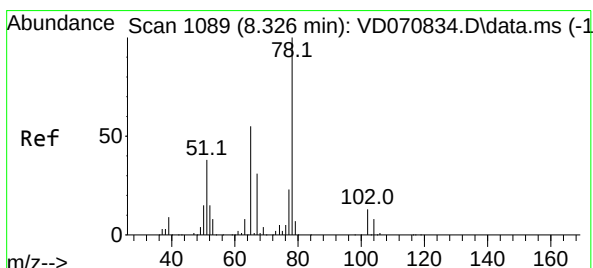
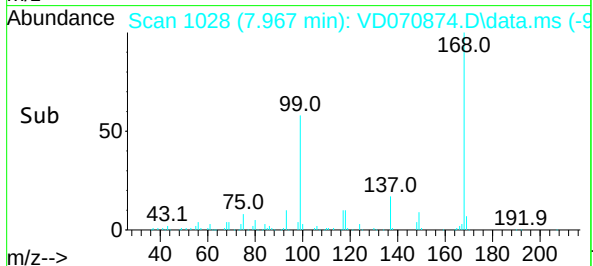
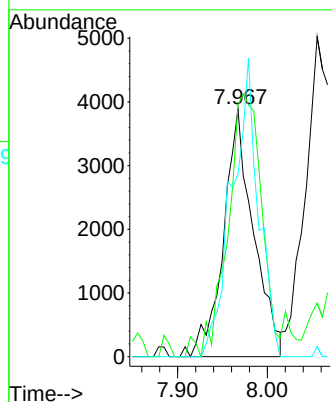
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	9041
Ion Ratio	Lower	Upper	
56	100		
69	101.4	25.9	38.9#
84	73.6	64.3	96.5



#33

1,2-Dichloroethane-d4

Concen: 67.359 ug/l

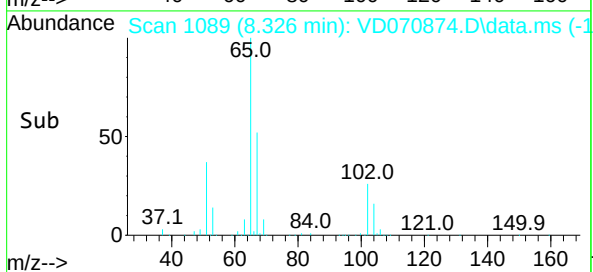
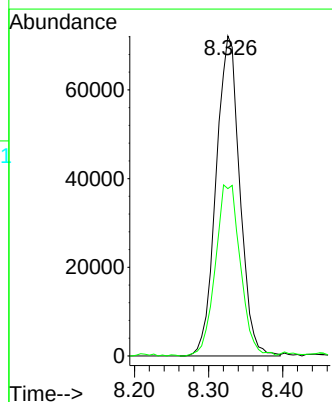
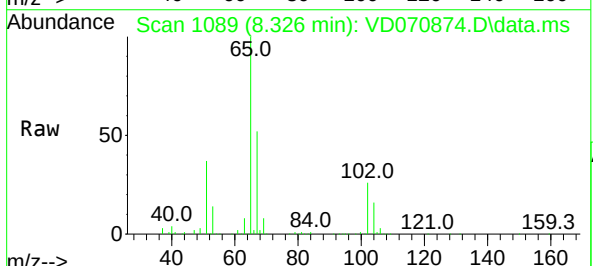
RT: 8.326 min Scan# 1089

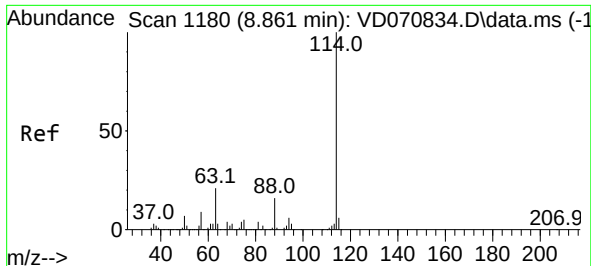
Delta R.T. 0.000 min

Lab File: VD070874.D

Acq: 27 Oct 2021 20:03

Tgt Ion:	65	Resp:	160314
Ion Ratio	Lower	Upper	
65	100		
67	56.5	0.0	112.2



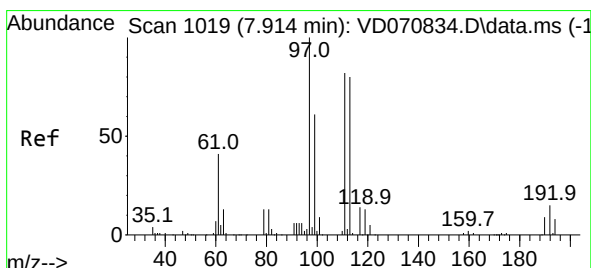
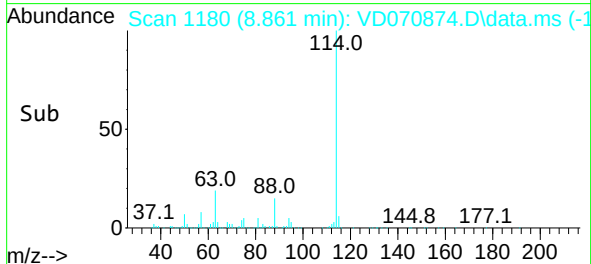
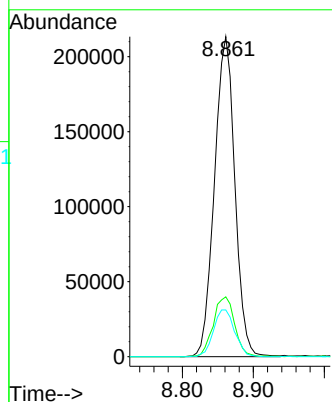
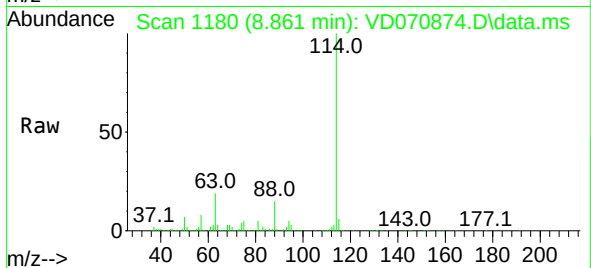


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

Instrument :
MSVOA_D
ClientSampleId :

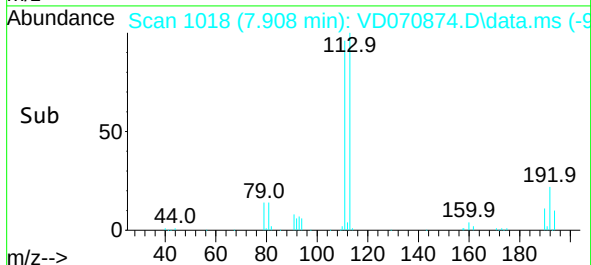
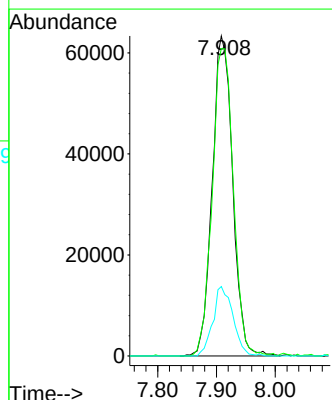
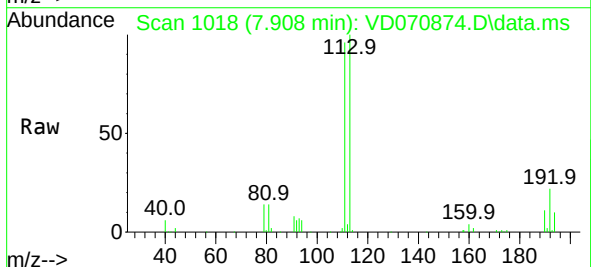
Tgt Ion:114 Resp: 424306
Ion Ratio Lower Upper
114 100
63 18.7 0.0 41.8
88 14.6 0.0 32.8

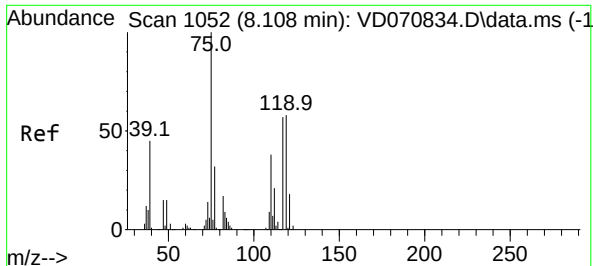


#35

Dibromofluoromethane
Concen: 54.737 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

Tgt Ion:113 Resp: 153135
Ion Ratio Lower Upper
113 100
111 99.5 82.0 123.0
192 21.4 15.2 22.8

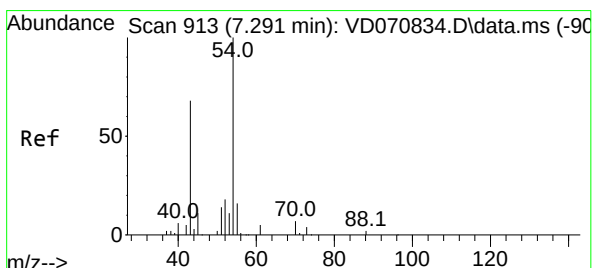
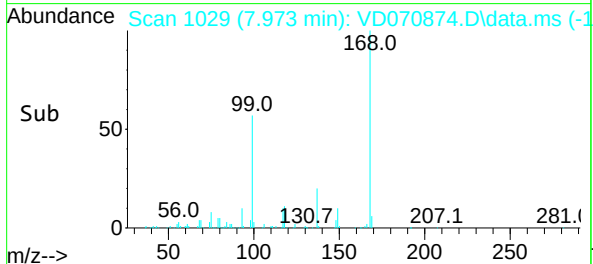
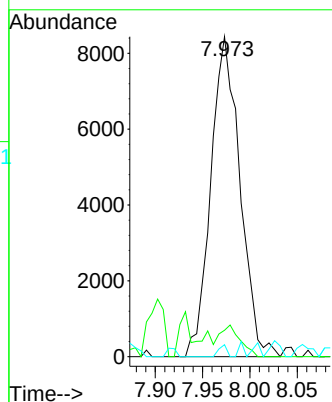
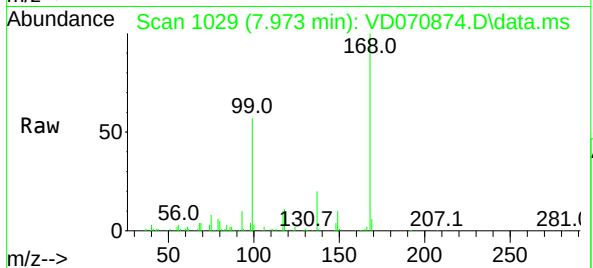




#36
1,1-Dichloropropene
Concen: 4.073 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

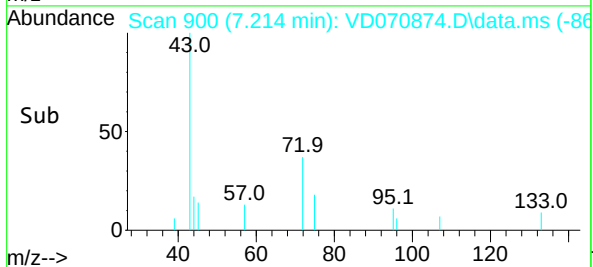
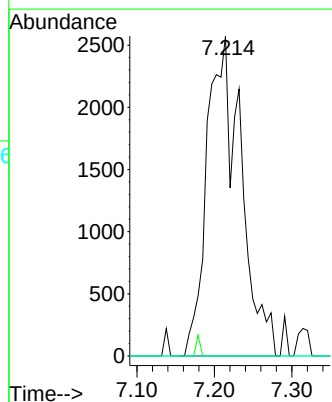
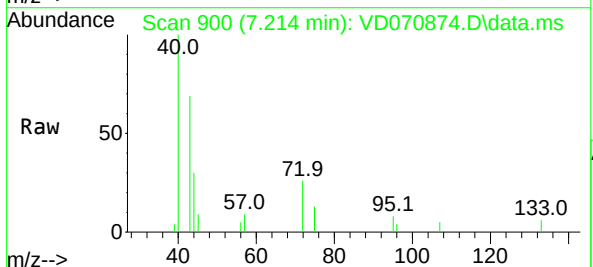
Instrument :
MSVOA_D
ClientSampleId :

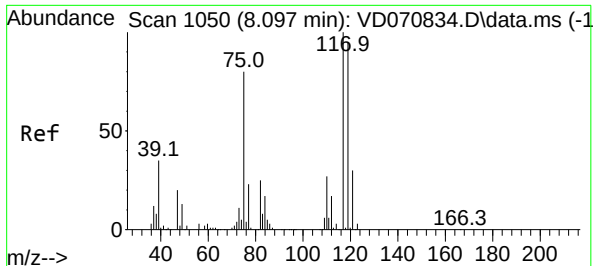
Tgt Ion: 75 Resp: 18083
Ion Ratio Lower Upper
75 100
110 6.9 17.8 53.4#
77 1.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 4.752 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.076 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

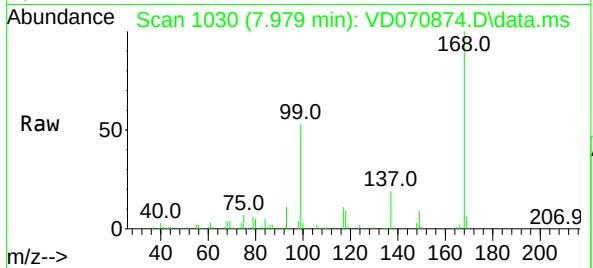
Tgt Ion: 43 Resp: 7844
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 8.7 13.1#



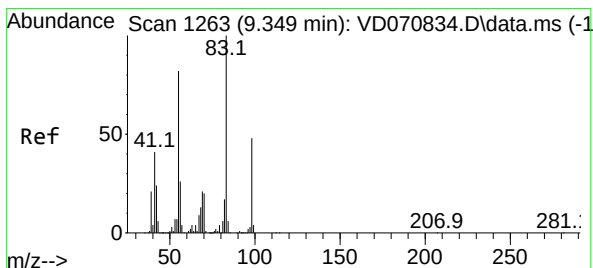
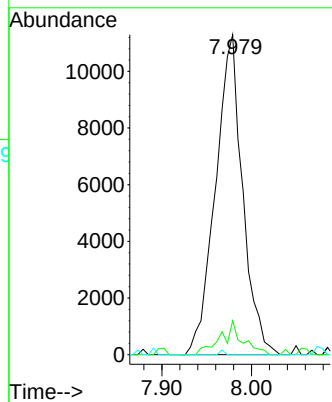
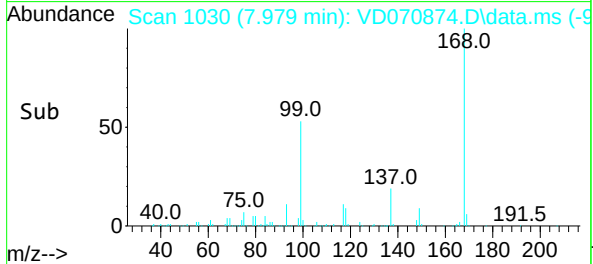


#38
Carbon Tetrachloride
Concen: 5.305 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

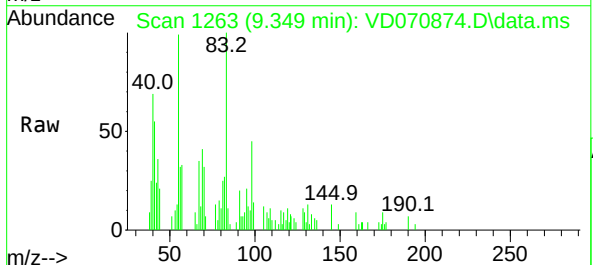
Instrument :
MSVOA_D
ClientSampleId :



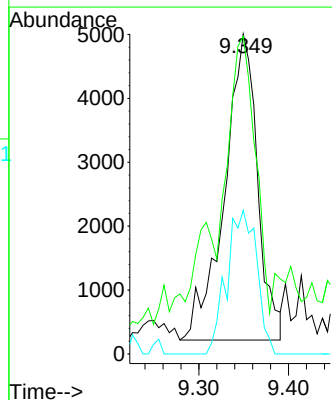
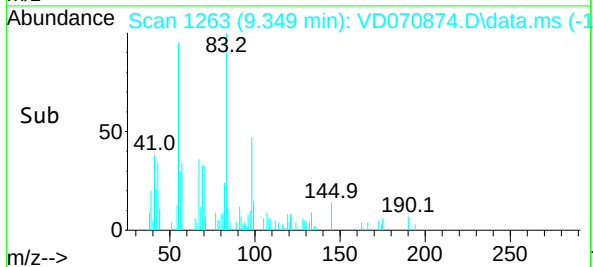
Tgt Ion:117 Resp: 23682
Ion Ratio Lower Upper
117 100
119 10.6 75.8 113.6#
121 0.0 23.6 35.4#

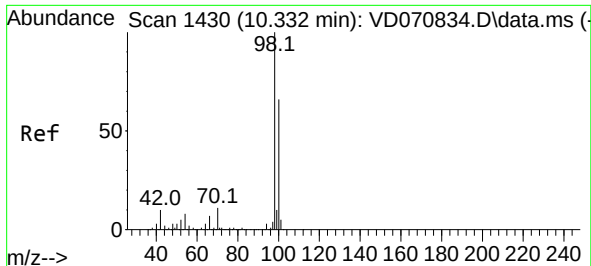


#39
Methylcyclohexane
Concen: 2.404 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03



Tgt Ion: 83 Resp: 12282
Ion Ratio Lower Upper
83 100
55 84.2 65.8 98.8
98 46.9 38.7 58.1

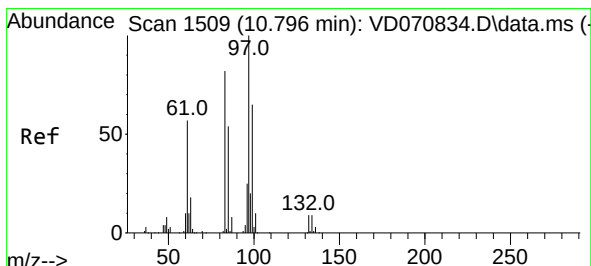
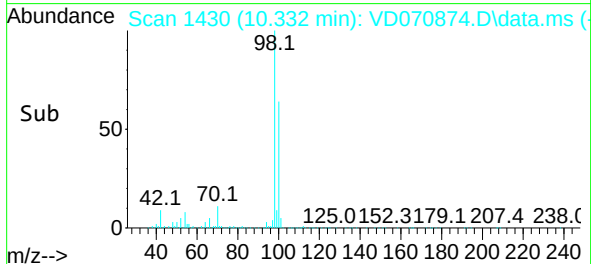
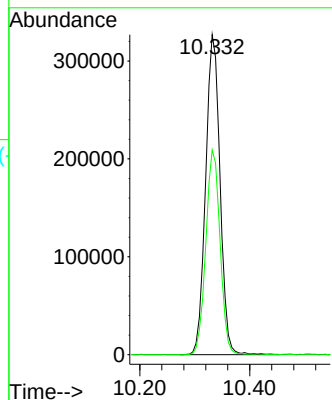
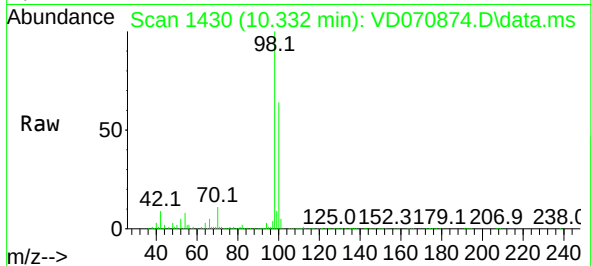




#50
Toluene-d8
Concen: 56.446 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

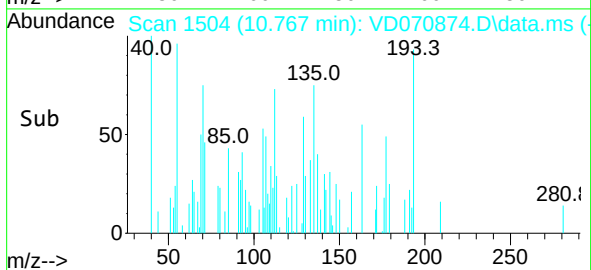
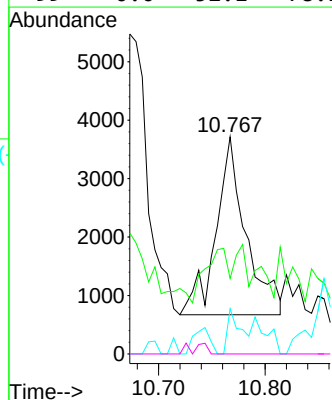
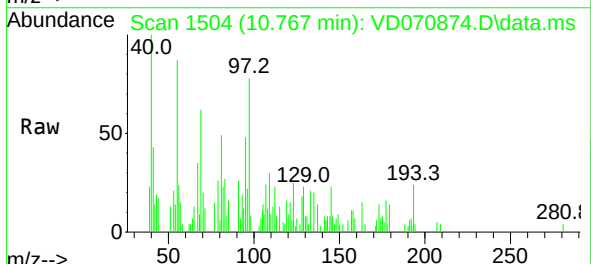
Instrument :
MSVOA_D
ClientSampleId :

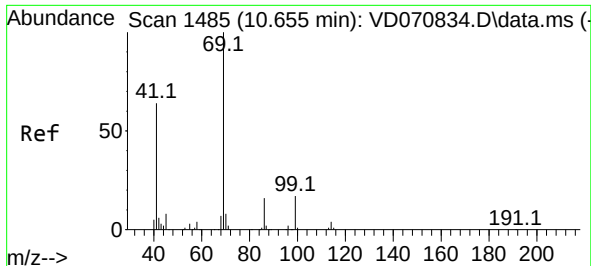
Tgt Ion: 98 Resp: 594107
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 2.496 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

Tgt Ion: 97 Resp: 5938
Ion Ratio Lower Upper
97 100
83 5.7 65.2 97.8#
85 25.5 43.4 65.0#
99 0.0 52.1 78.1#

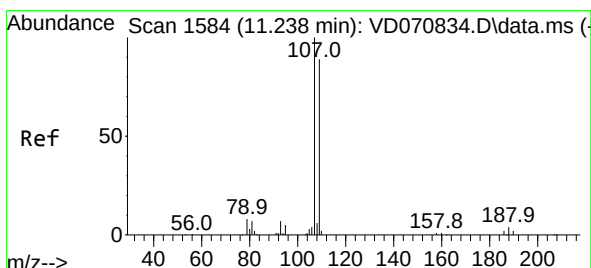
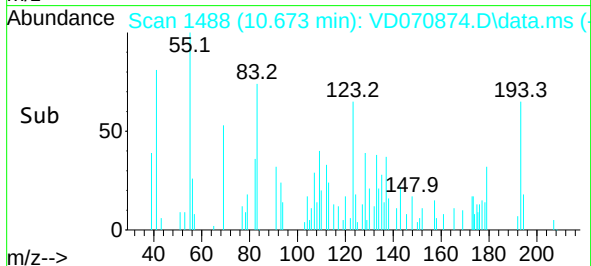
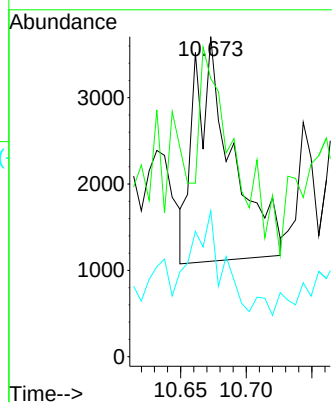
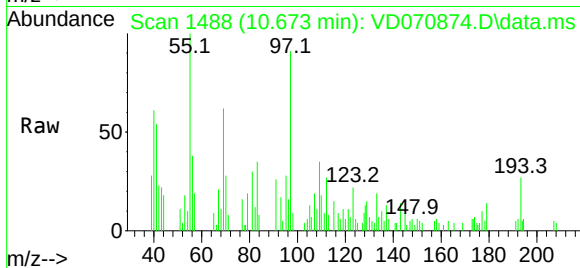




#56
Ethyl methacrylate
Concen: 4.515 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

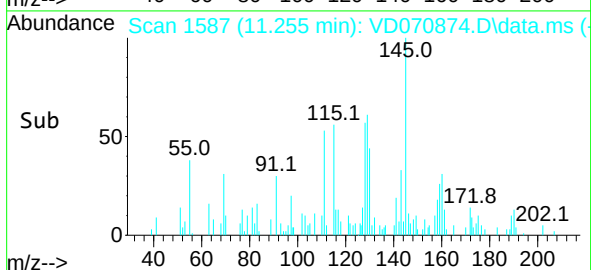
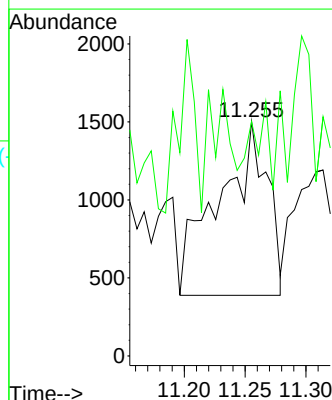
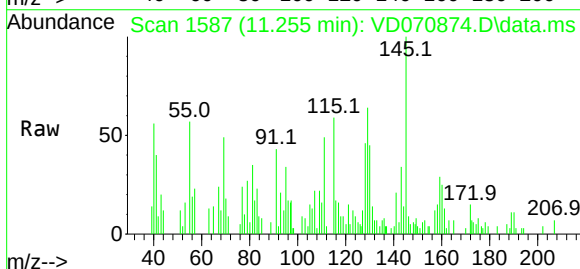
Instrument :
MSVOA_D
ClientSampleId :

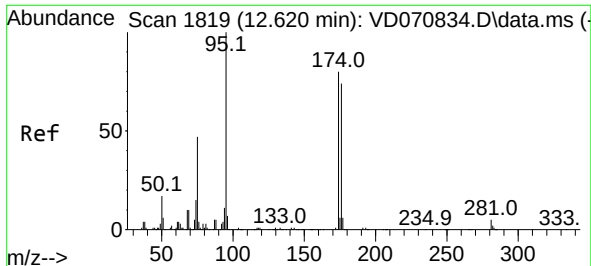
Tgt Ion: 69 Resp: 5171
Ion Ratio Lower Upper
69 100
41 43.3 50.2 75.2#
39 42.0 19.8 29.8#



#61
1,2-Dibromoethane
Concen: 1.413 ug/l
RT: 11.255 min Scan# 1587
Delta R.T. 0.018 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

Tgt Ion: 107 Resp: 3104
Ion Ratio Lower Upper
107 100
109 2.9 74.6 112.0#

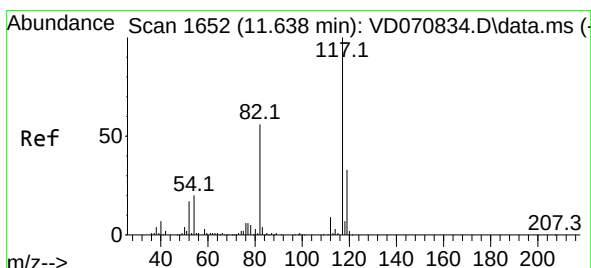
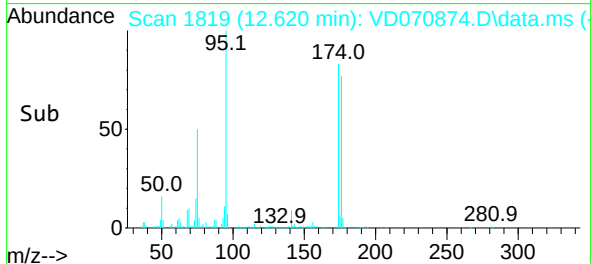
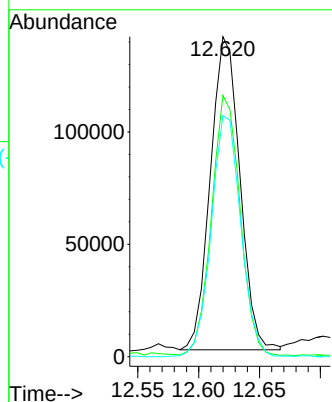
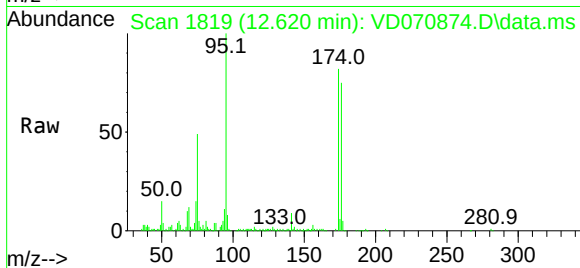




#62
4-Bromofluorobenzene
Concen: 67.609 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

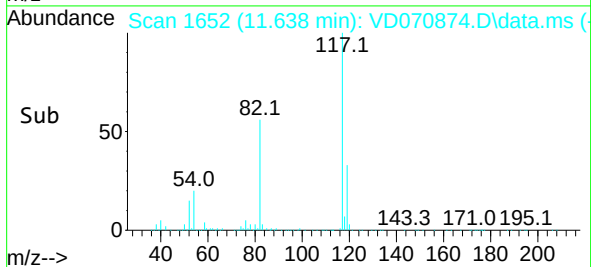
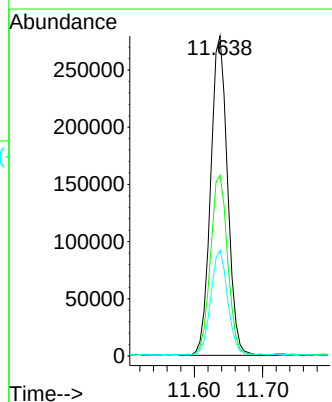
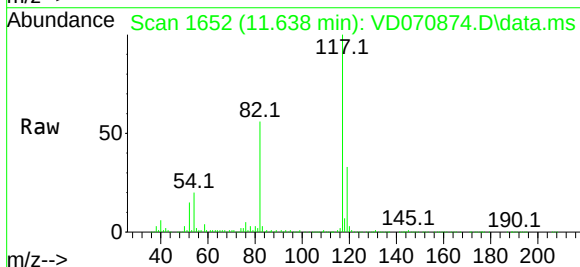
Instrument :
MSVOA_D
ClientSampleId :

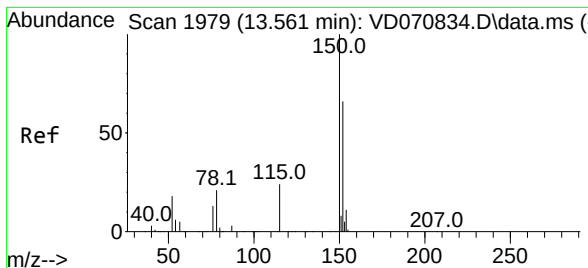
Tgt Ion: 95 Resp: 234791
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.4
176 77.4 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

Tgt Ion: 117 Resp: 481977
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 32.8 26.2 39.4

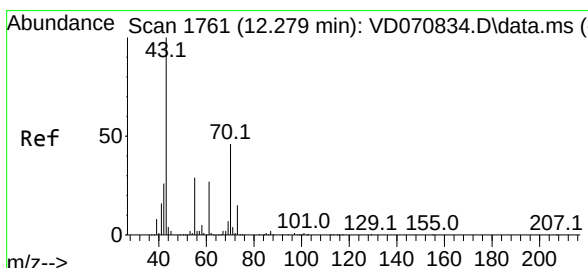
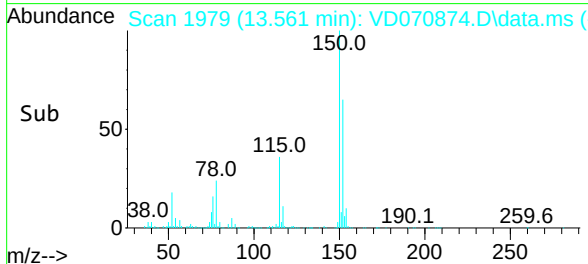
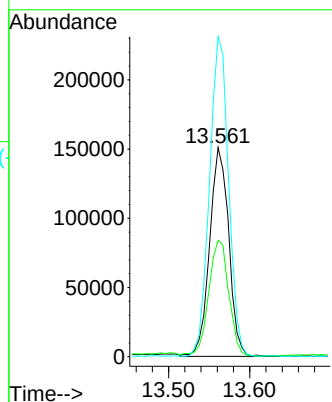
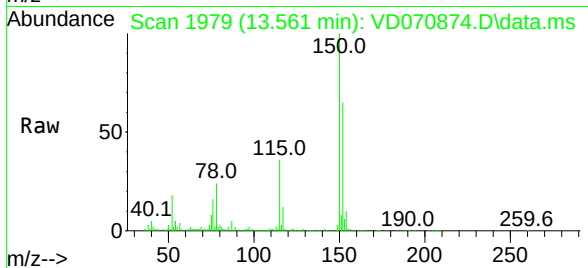




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

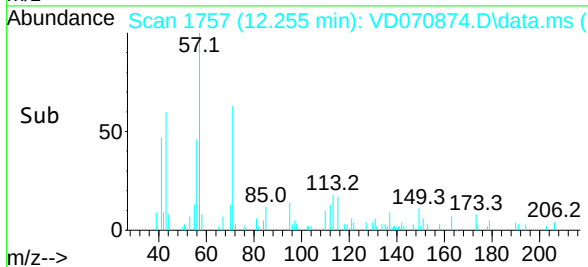
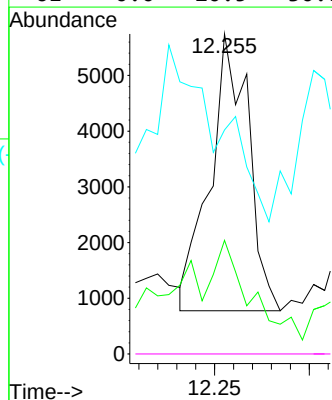
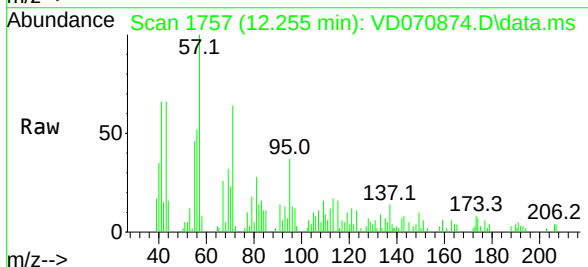
Instrument :
MSVOA_D
ClientSampleId :

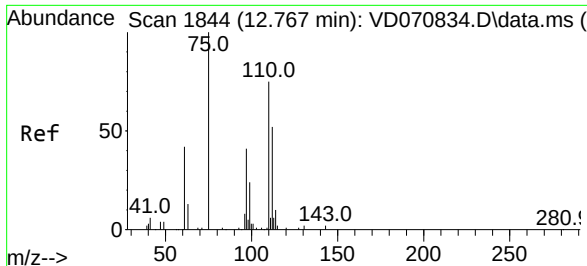
Tgt Ion:152 Resp: 246812
Ion Ratio Lower Upper
152 100
115 58.2 29.8 89.3
150 152.2 0.0 349.2



#74
N-ethyl acetate
Concen: 1.931 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

Tgt Ion: 43 Resp: 6990
Ion Ratio Lower Upper
43 100
70 33.9 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

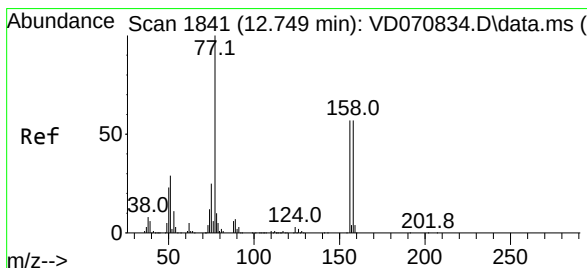
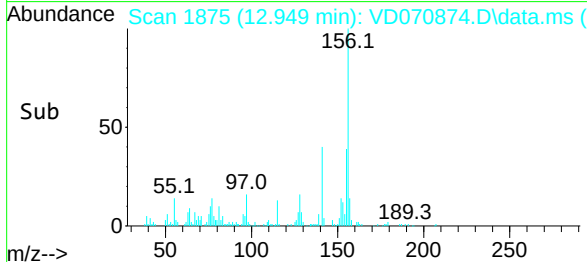
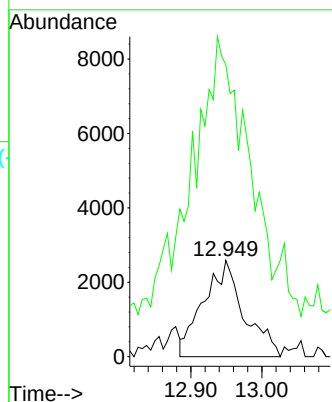
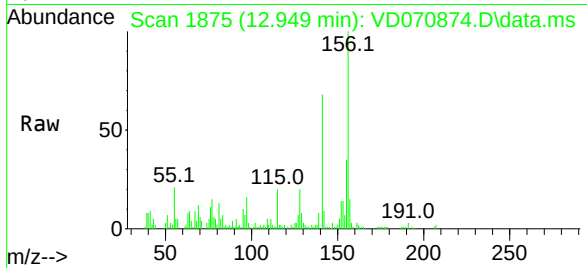




#76
1,2,3-Trichloropropane
Concen: 4.196 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.182 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

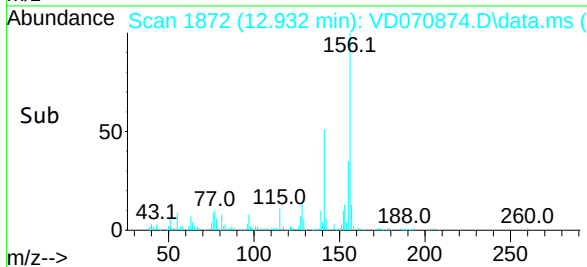
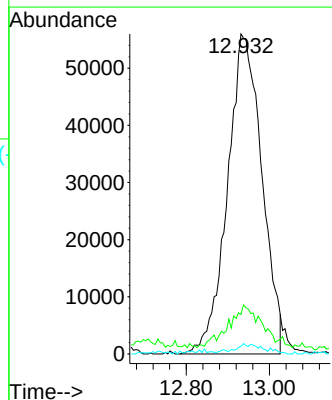
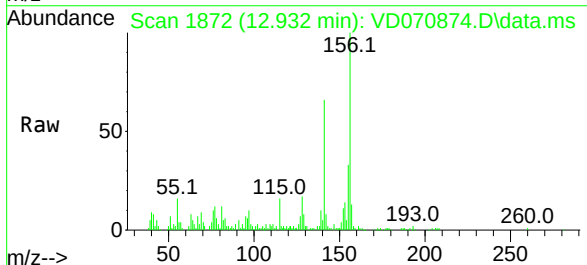
Instrument :
MSVOA_D
ClientSampleId :

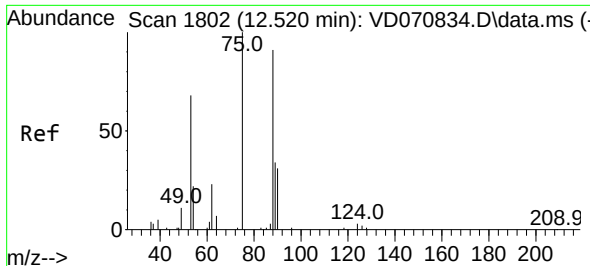
Tgt Ion: 75 Resp: 10195
Ion Ratio Lower Upper
75 100
77 333.1 158.4 475.3



#77
Bromobenzene
Concen: 80.052 ug/l
RT: 12.932 min Scan# 1872
Delta R.T. 0.182 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

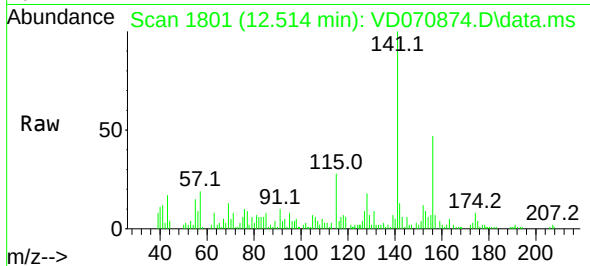
Tgt Ion:156 Resp: 321096
Ion Ratio Lower Upper
156 100
77 9.4 96.6 289.8#
158 0.6 49.1 147.4#



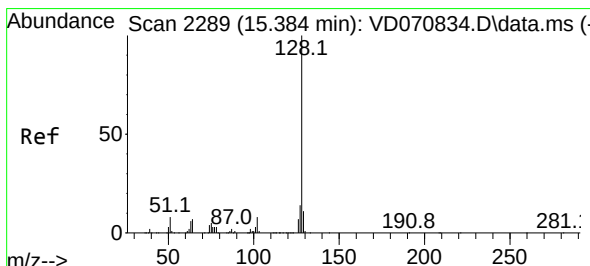
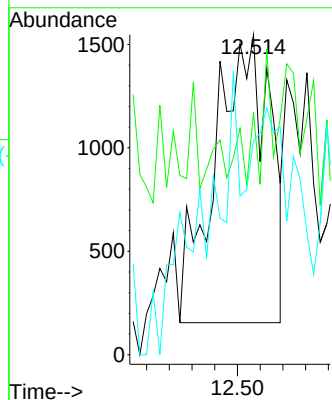
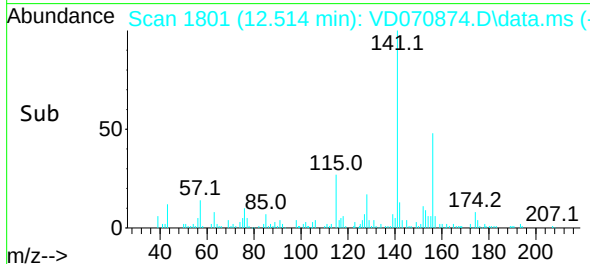


#81
trans-1,4-Dichloro-2-butene
Concen: 5.072 ug/l
RT: 12.514 min Scan# 1801
Delta R.T. -0.006 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03

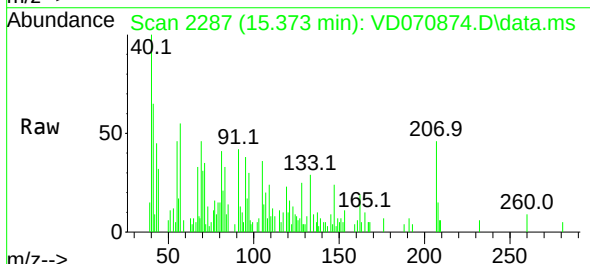
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 4695
Ion Ratio Lower Upper
75 100
53 8.6 62.6 94.0#
89 66.9 34.5 51.7#



#95
Naphthalene
Concen: 4.322 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD070874.D
Acq: 27 Oct 2021 20:03



Tgt Ion: 128 Resp: 1670
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

