

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070870.D
 Acq On : 27 Oct 2021 18:09
 Operator : VA/SY
 Sample : M4372-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 28 03:58:45 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)

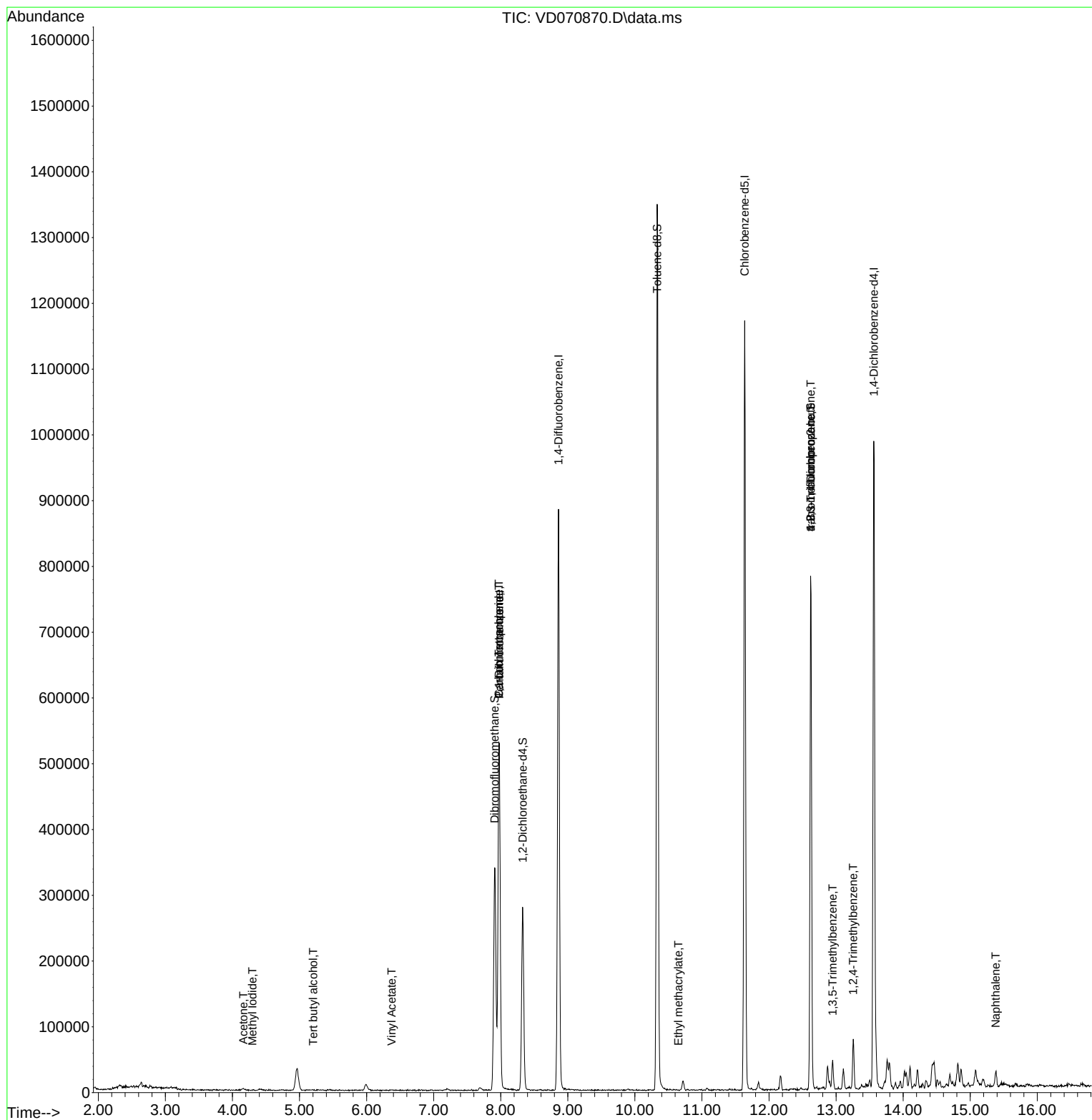
Internal Standards						
1) Pentafluorobenzene	7.979	168	414494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	741867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	702576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	287685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	210551	50.507	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.020%	
35) Dibromofluoromethane	7.909	113	251781	51.473	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.940%	
50) Toluene-d8	10.332	98	947620	51.494	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	12.620	95	266084	43.822	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1222	Below Cal	#	75
10) Methyl Iodide	4.297	142	407	3.685	ug/l #	40
11) Tert butyl alcohol	5.203	59	655	2.956	ug/l #	71
16) Acetone	4.162	43	4620	4.764	ug/l	92
20) Methylene Chloride	4.962	84	27799	Below Cal	#	90
23) Vinyl Acetate	6.373	43	261	14.451	ug/l #	72
36) 1,1-Dichloropropene	7.973	75	32804	4.226	ug/l #	48
38) Carbon Tetrachloride	7.973	117	41338	5.296	ug/l #	17
56) Ethyl methacrylate	10.650	69	110	2.862	ug/l #	28
76) 1,2,3-Trichloropropane	12.620	75	123341	43.552	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.950	105	18826	1.156	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.620	75	123341	114.310	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.255	105	39186	2.440	ug/l	98
95) Naphthalene	15.379	128	18949	6.048	ug/l #	92

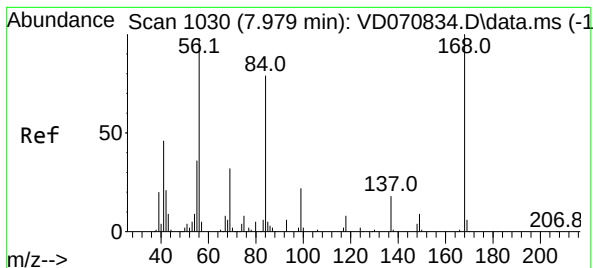
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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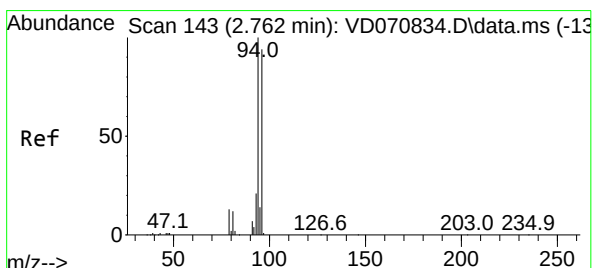
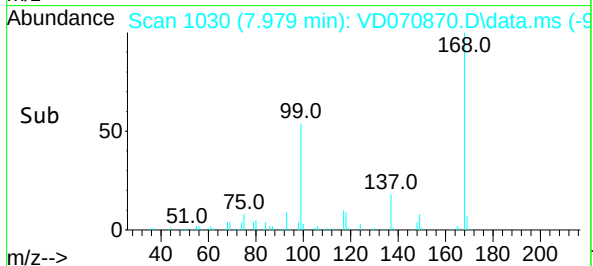
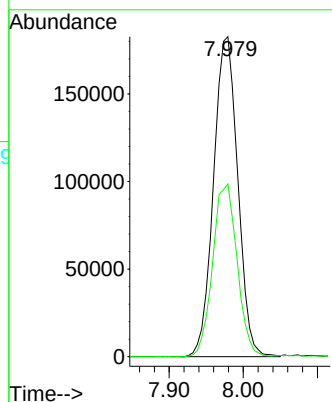
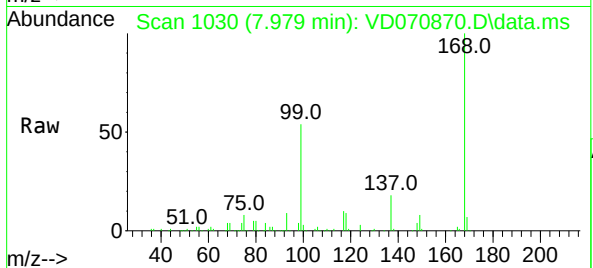




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

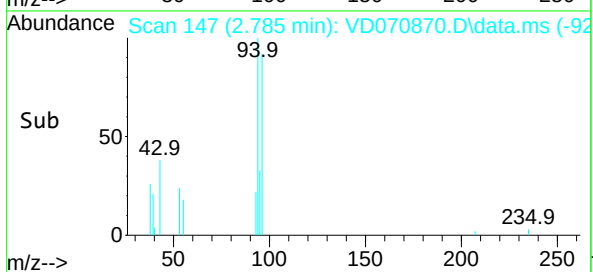
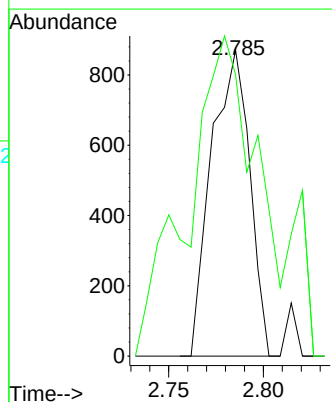
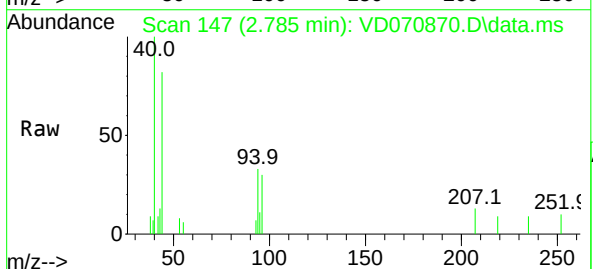
Instrument :
MSVOA_D
ClientSampleId :

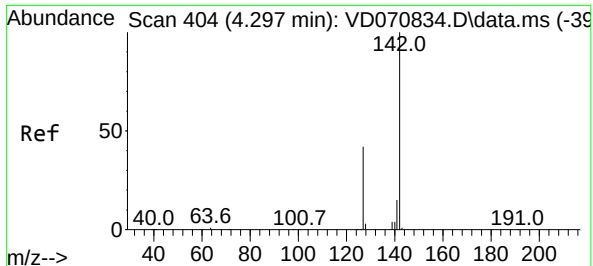
Tgt Ion:168 Resp: 414494
Ion Ratio Lower Upper
168 100
99 54.0 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

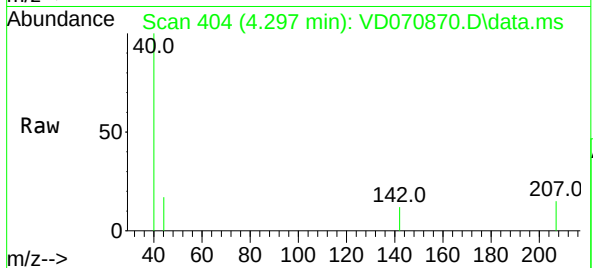
Tgt Ion: 94 Resp: 1222
Ion Ratio Lower Upper
94 100
96 69.6 74.8 112.2#



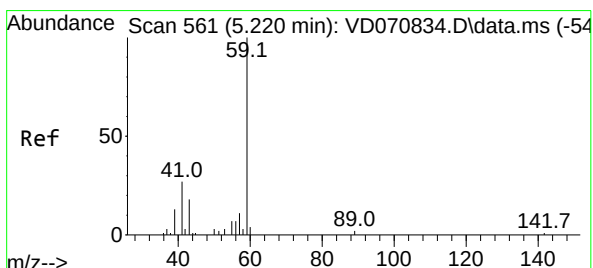
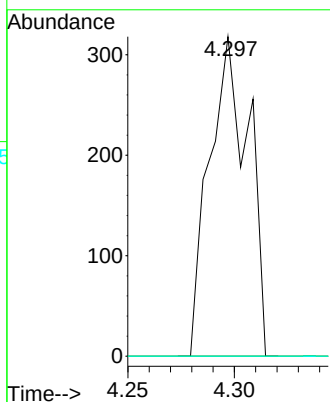
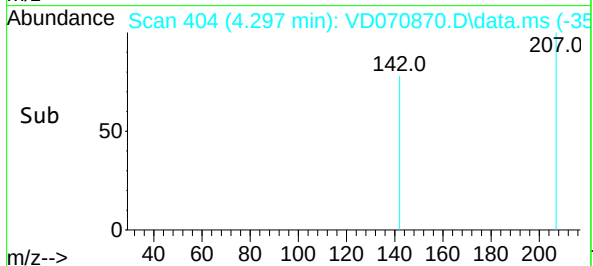


#10
Methyl Iodide
Concen: 3.685 ug/l
RT: 4.297 min Scan# 404
Delta R.T. 0.000 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

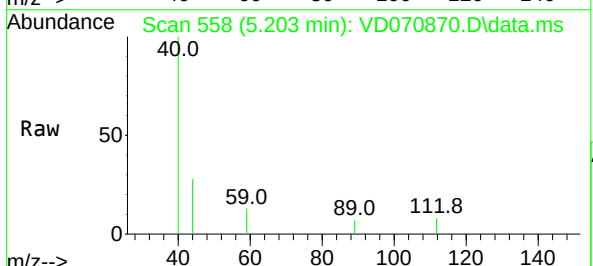
Instrument :
MSVOA_D
ClientSampleId :



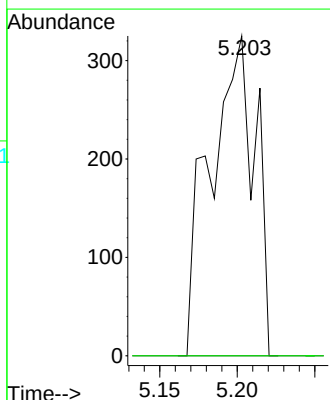
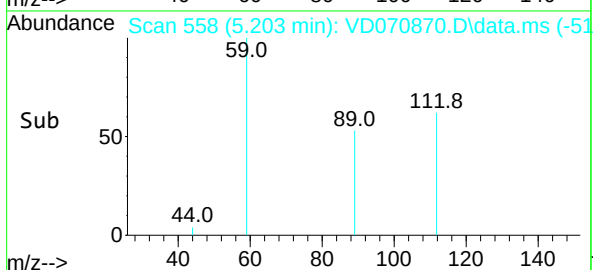
Tgt Ion:142 Resp: 407
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

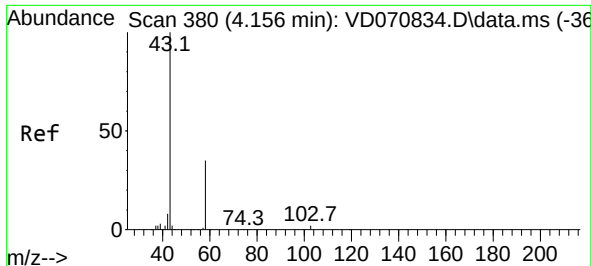


#11
Tert butyl alcohol
Concen: 2.956 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09



Tgt Ion: 59 Resp: 655
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

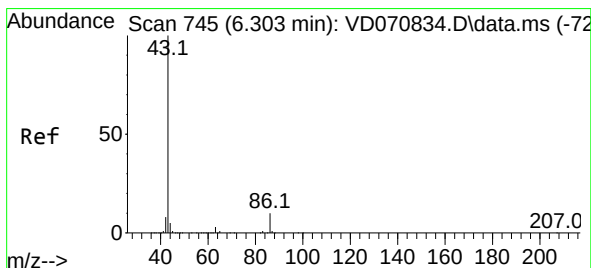
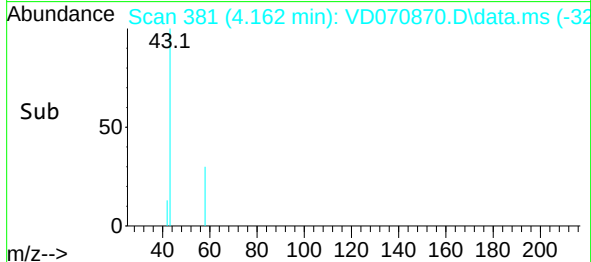
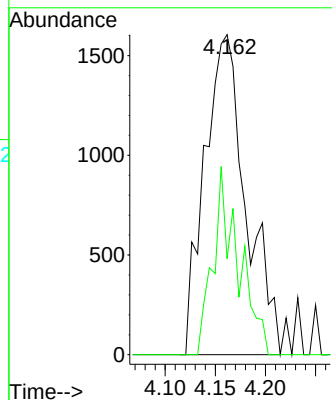
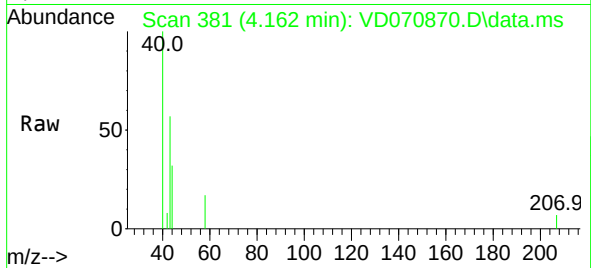




#16
Acetone
Concen: 4.764 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

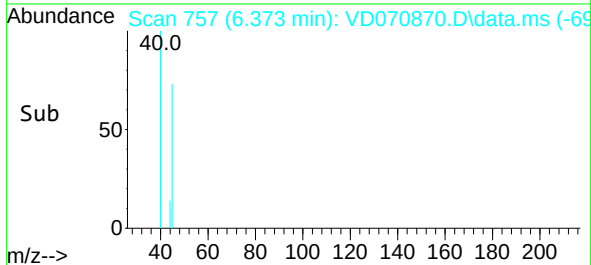
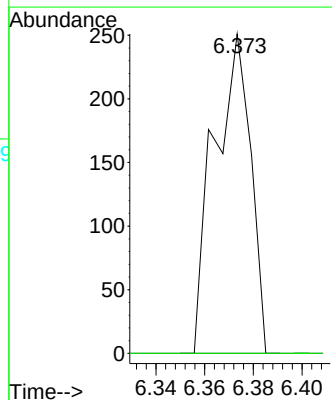
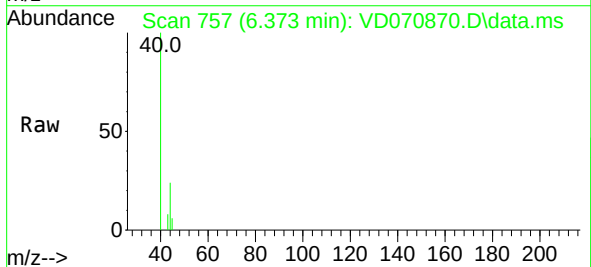
Instrument :
MSVOA_D
ClientSampleId :

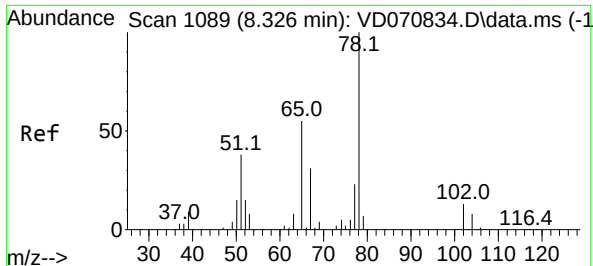
Tgt Ion: 43 Resp: 4620
Ion Ratio Lower Upper
43 100
58 30.0 27.8 41.8



#23
Vinyl Acetate
Concen: 14.451 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.070 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

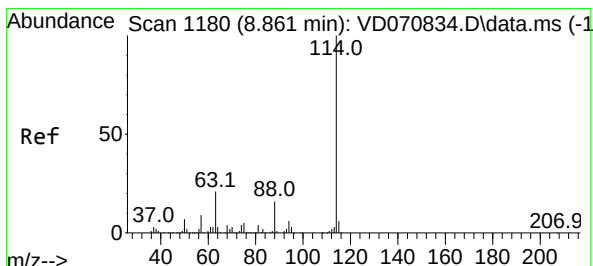
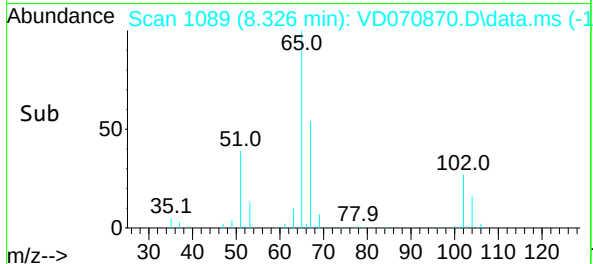
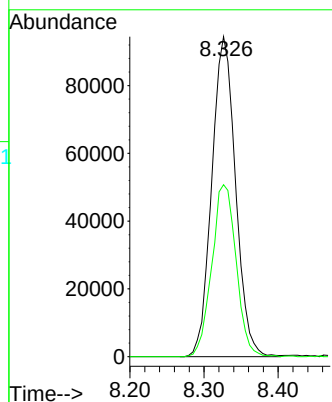
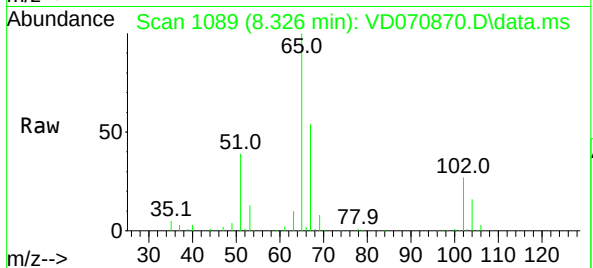




#33
1,2-Dichloroethane-d4
Concen: 50.507 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

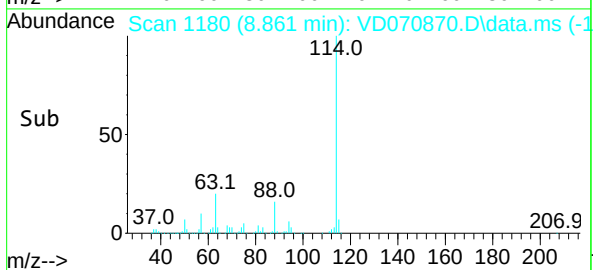
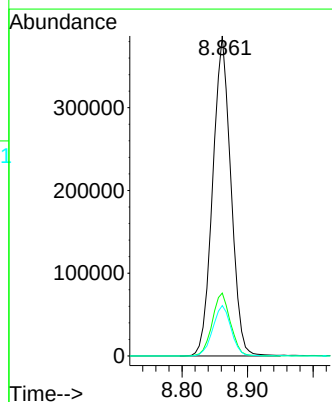
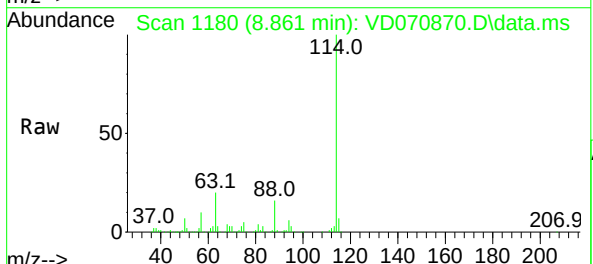
Instrument :
MSVOA_D
ClientSampleId :

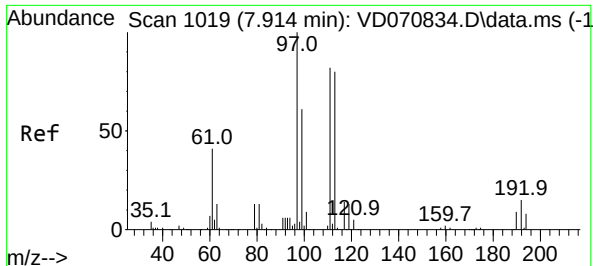
Tgt Ion: 65 Resp: 210551
Ion Ratio Lower Upper
65 100
67 54.9 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

Tgt Ion: 114 Resp: 741867
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.8
88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.473 ug/l

RT: 7.909 min Scan# 1018

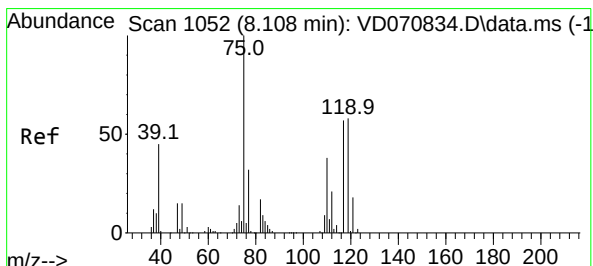
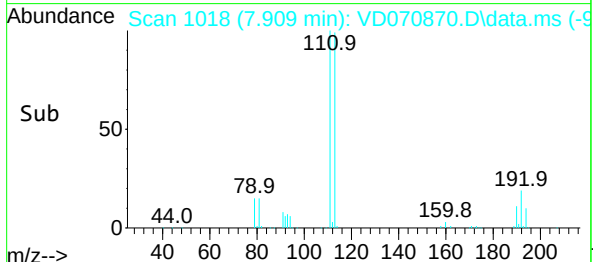
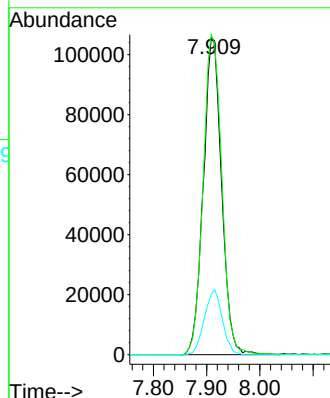
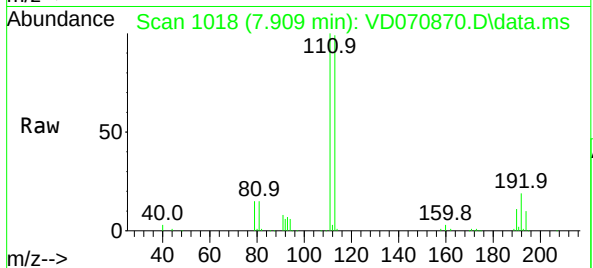
Delta R.T. -0.006 min

Lab File: VD070870.D

Acq: 27 Oct 2021 18:09

Tgt Ion:	113	Resp:	251781
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	20.1	15.2	22.8

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.226 ug/l

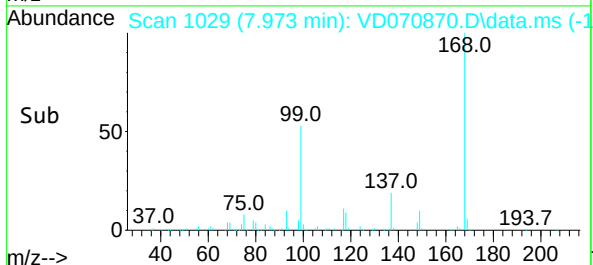
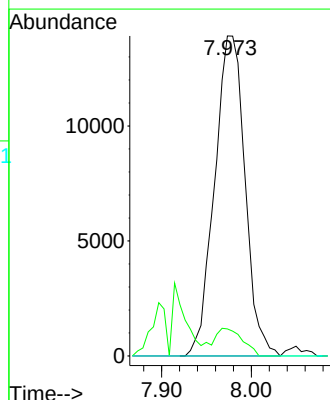
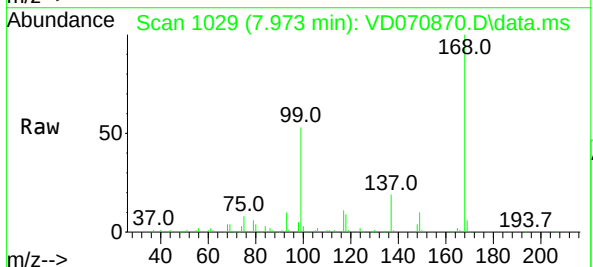
RT: 7.973 min Scan# 1029

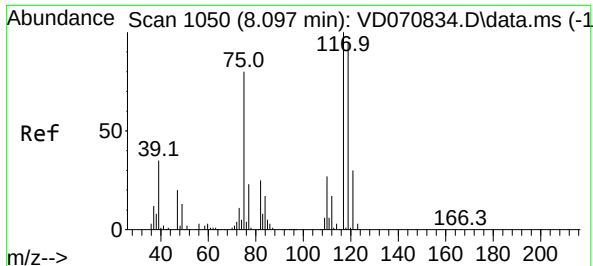
Delta R.T. -0.135 min

Lab File: VD070870.D

Acq: 27 Oct 2021 18:09

Tgt Ion:	75	Resp:	32804
Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.8	53.4#
77	0.0	24.8	37.2#

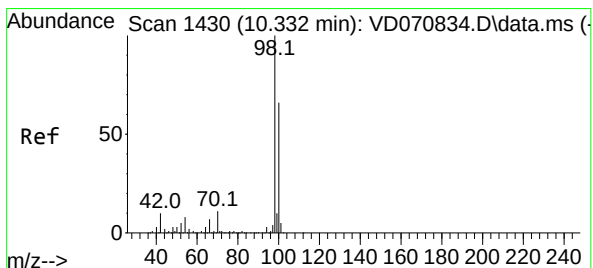
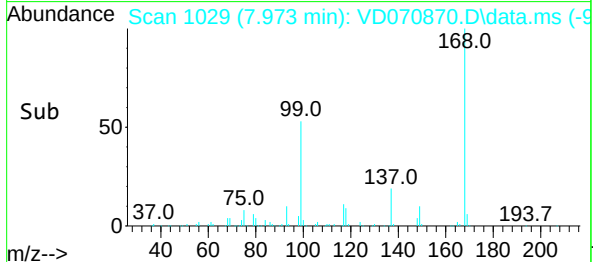
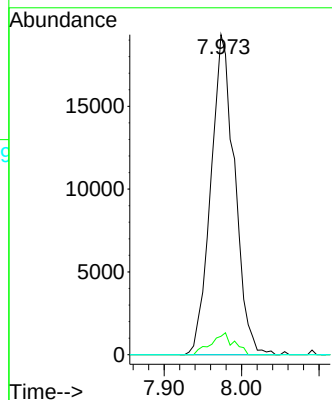
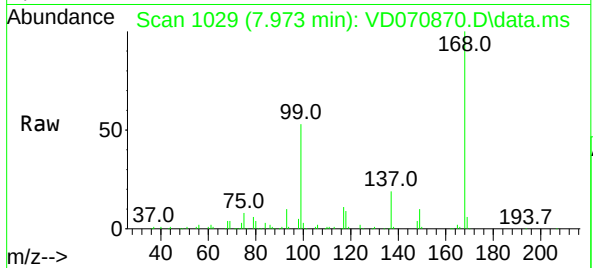




#38
Carbon Tetrachloride
Concen: 5.296 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

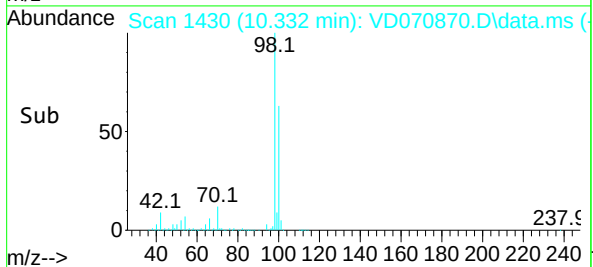
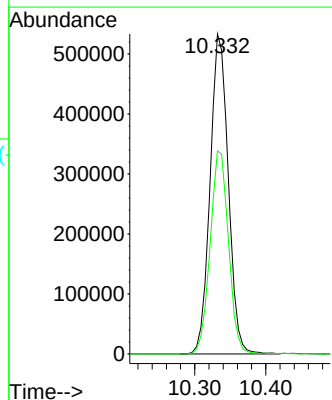
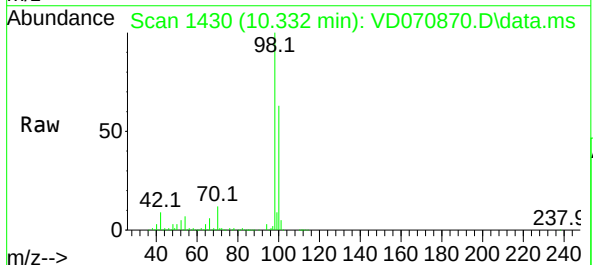
Instrument :
MSVOA_D
ClientSampleId :

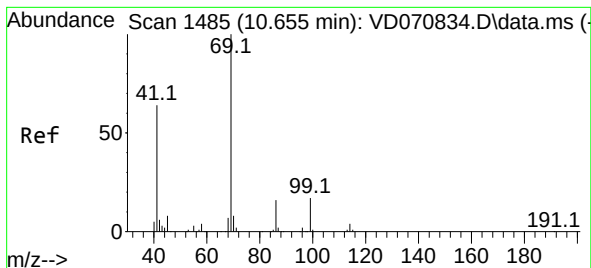
Tgt Ion:117 Resp: 41338
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 51.494 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

Tgt Ion: 98 Resp: 947620
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6

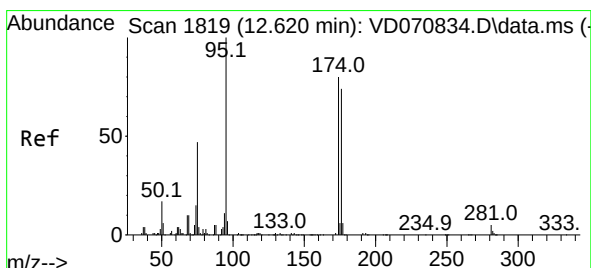
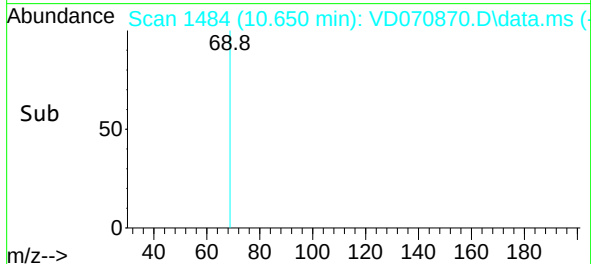
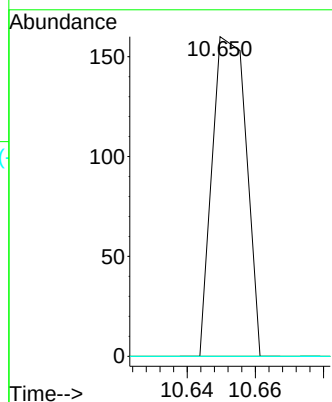
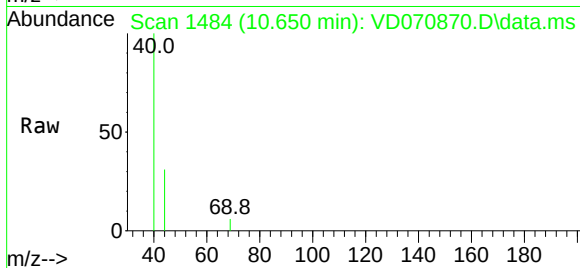




#56
Ethyl methacrylate
Concen: 2.862 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

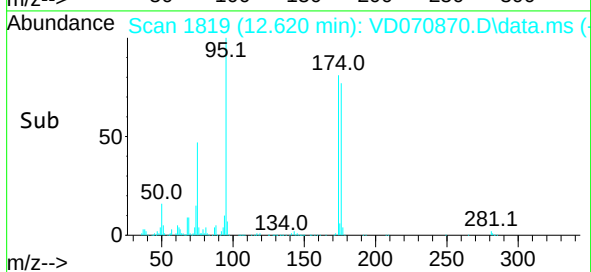
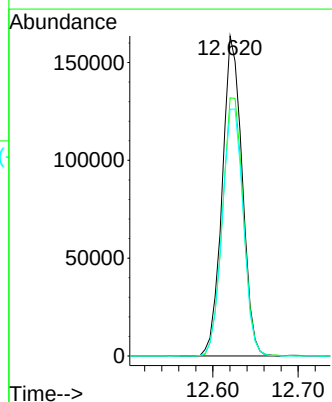
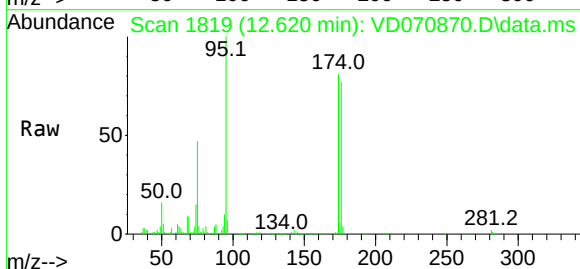
Instrument :
MSVOA_D
ClientSampleId :

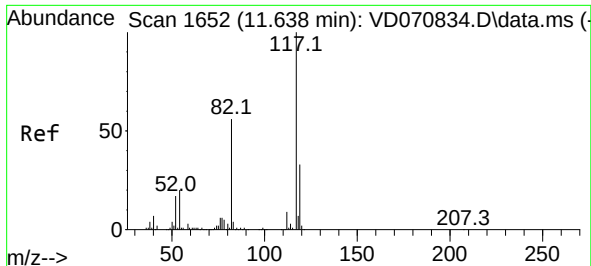
Tgt Ion: 69 Resp: 110
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#



#62
4-Bromofluorobenzene
Concen: 43.822 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

Tgt Ion: 95 Resp: 266084
Ion Ratio Lower Upper
95 100
174 84.3 0.0 159.4
176 81.8 0.0 154.0

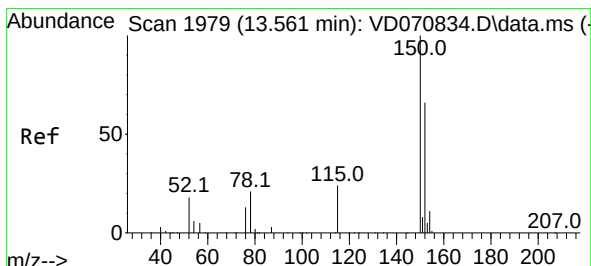
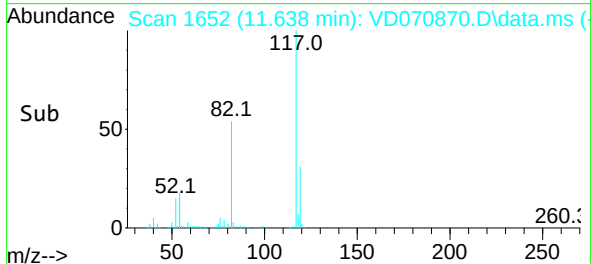
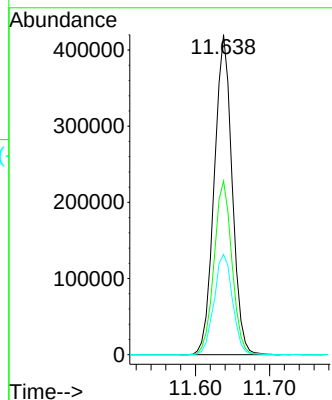
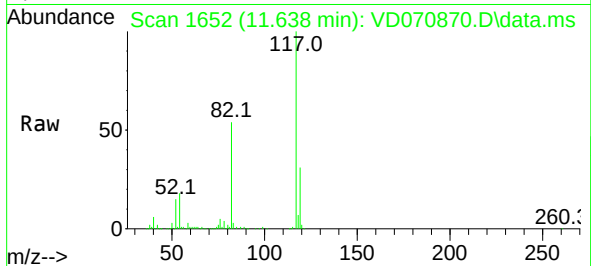




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

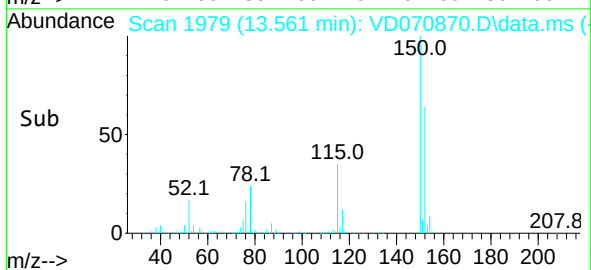
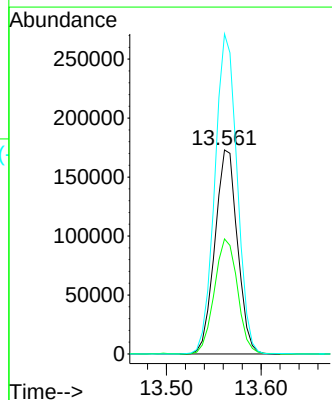
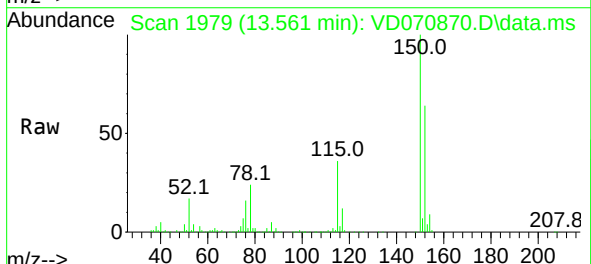
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MSVOA_D
ClientSampleId :

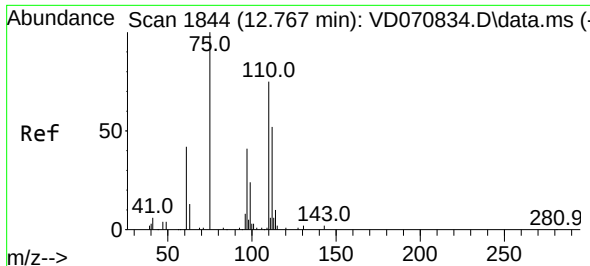
Tgt Ion:117 Resp: 702576
Ion Ratio Lower Upper
117 100
82 54.2 44.7 67.1
119 31.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

Tgt Ion:152 Resp: 287685
Ion Ratio Lower Upper
152 100
115 57.8 29.8 89.3
150 154.4 0.0 349.2

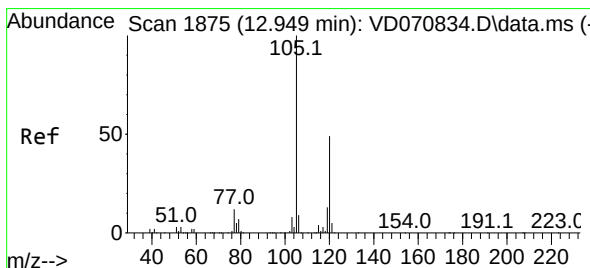
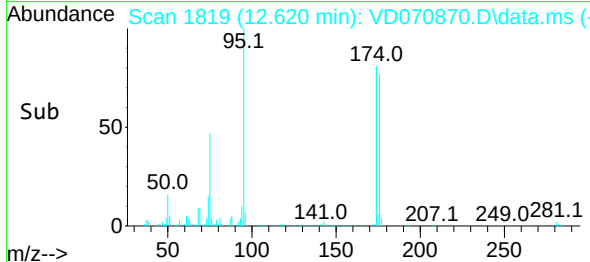
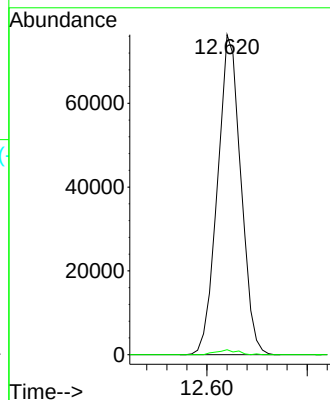
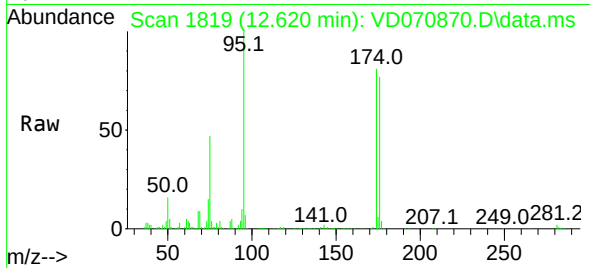




#76
1,2,3-Trichloropropane
Concen: 43.552 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

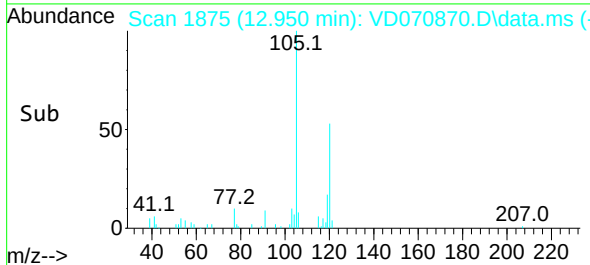
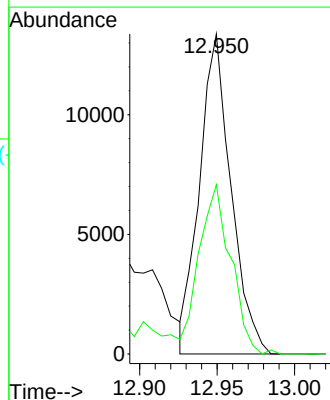
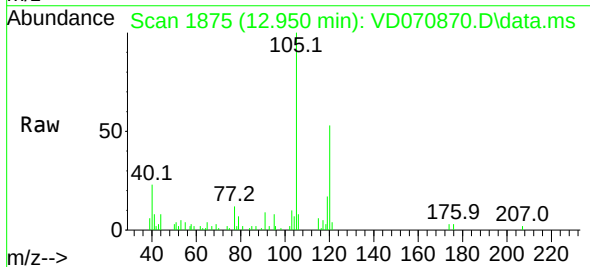
Instrument :
MSVOA_D
ClientSampleId :

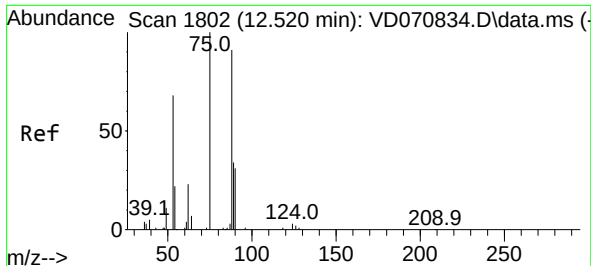
Tgt Ion: 75 Resp: 123341
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#80
1,3,5-Trimethylbenzene
Concen: 1.156 ug/l
RT: 12.950 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

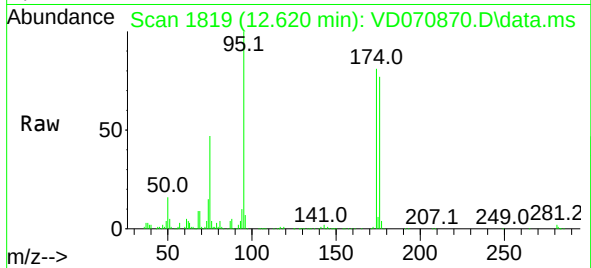
Tgt Ion:105 Resp: 18826
Ion Ratio Lower Upper
105 100
120 53.5 24.6 73.8



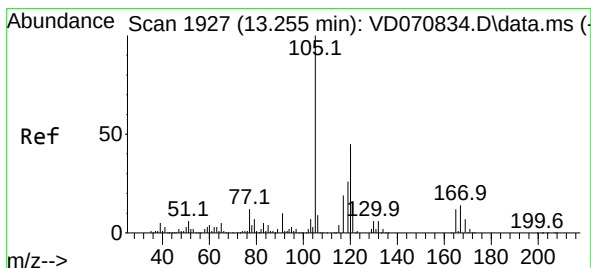
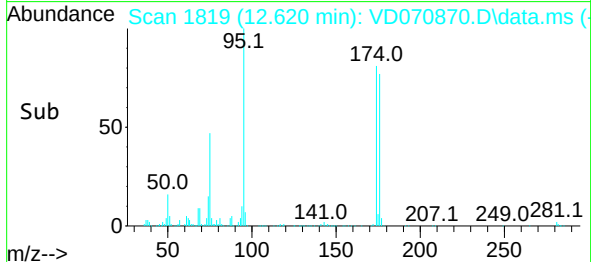
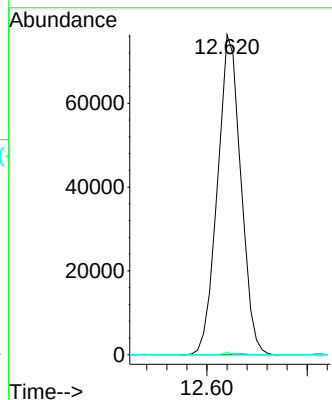


#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.310 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070870.D
 Acq: 27 Oct 2021 18:09

Instrument :
 MSVOA_D
 ClientSampleId :

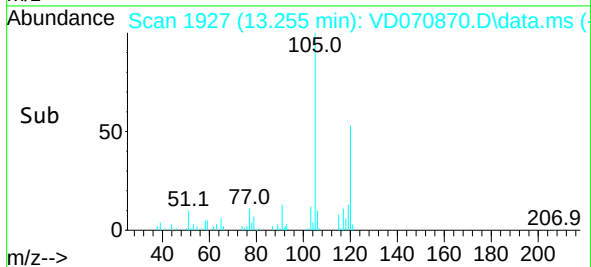
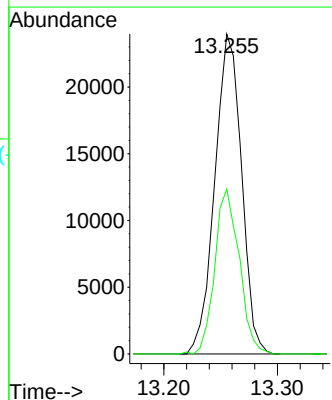
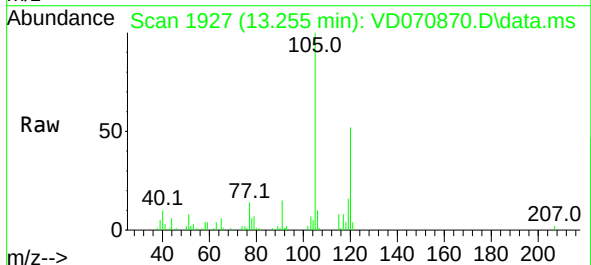


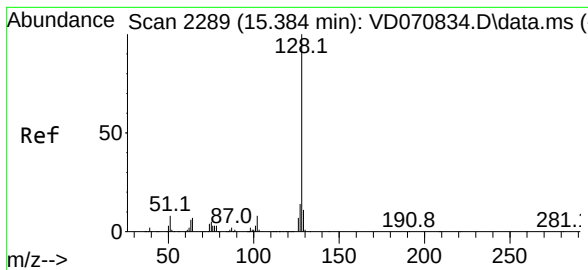
Tgt Ion: 75 Resp: 123341
 Ion Ratio Lower Upper
 75 100
 53 0.2 62.6 94.0#
 89 0.2 34.5 51.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.440 ug/l
 RT: 13.255 min Scan# 1927
 Delta R.T. 0.000 min
 Lab File: VD070870.D
 Acq: 27 Oct 2021 18:09

Tgt Ion: 105 Resp: 39186
 Ion Ratio Lower Upper
 105 100
 120 47.1 22.9 68.7





#95
Naphthalene
Concen: 6.048 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070870.D
Acq: 27 Oct 2021 18:09

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.7	10.7	16.1#
129	12.6	8.7	13.1

