

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070824.D
 Acq On : 22 Oct 2021 14:48
 Operator : VA/SY
 Sample : M4290-04
 Misc : 4.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 04:11:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

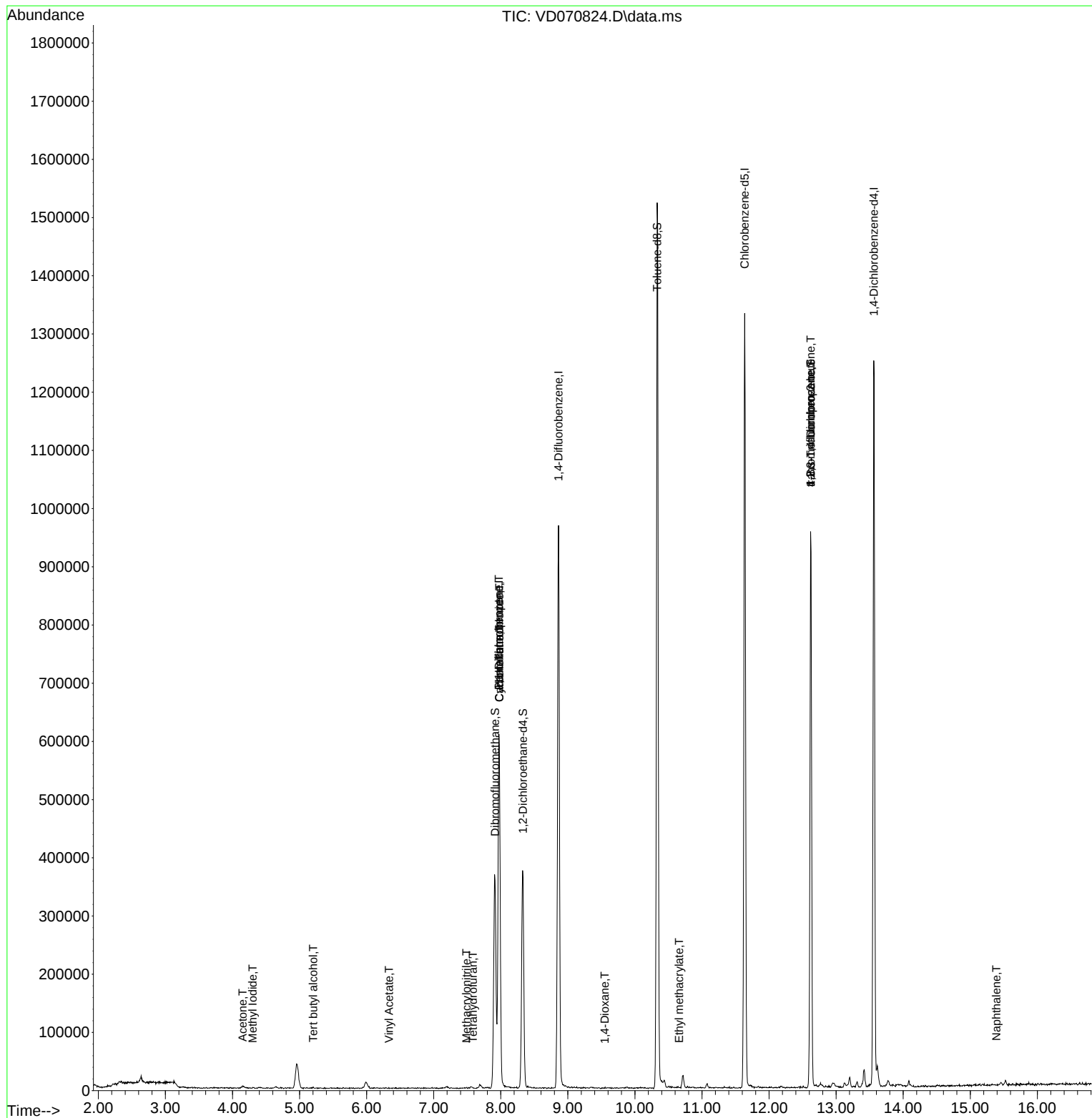
Internal Standards						
1) Pentafluorobenzene	7.973	168	419161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	756026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	733822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	317582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	302327	60.896	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.800%			
35) Dibromofluoromethane	7.914	113	266688	55.091	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.180%			
50) Toluene-d8	10.332	98	1003627	54.084	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.160%			
62) 4-Bromofluorobenzene	12.620	95	326995	51.176	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.360%			
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	343	3.381	ug/l #	88
11) Tert butyl alcohol	5.203	59	280	1.007	ug/l #	83
16) Acetone	4.150	43	5942	4.962	ug/l #	72
20) Methylene Chloride	4.961	84	30778	Below Cal		89
23) Vinyl Acetate	6.332	43	56	16.335	ug/l #	69
29) Tetrahydrofuran	7.585	42	1279	1.412	ug/l #	32
31) Cyclohexane	7.979	56	12224	1.217	ug/l #	15
36) 1,1-Dichloropropene	7.973	75	41595	4.939	ug/l #	50
38) Carbon Tetrachloride	7.979	117	46757	5.796	ug/l #	18
41) Methacrylonitrile	7.491	41	181	2.022	ug/l #	16
49) 1,4-Dioxane	9.549	88	77	2.337	ug/l #	23
56) Ethyl methacrylate	10.661	69	128	4.176	ug/l #	46
76) 1,2,3-Trichloropropane	12.620	75	165307	60.248	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	165307	131.962	ug/l #	17
95) Naphthalene	15.390	128	255	4.815	ug/l #	69

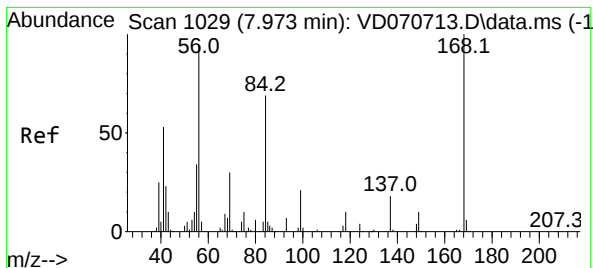
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 04:11:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

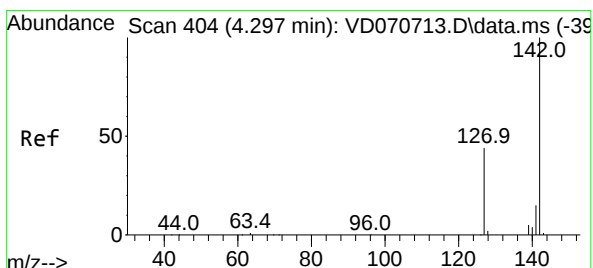
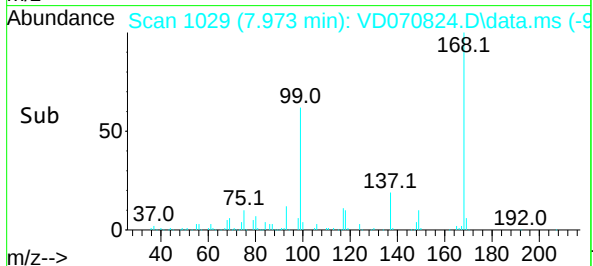
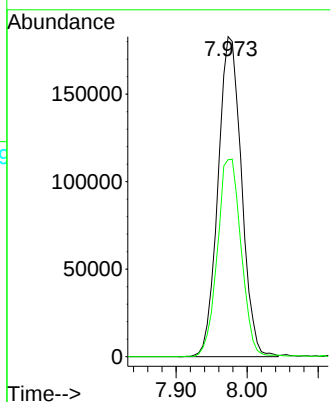
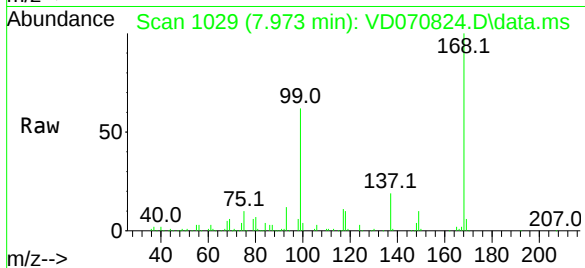




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

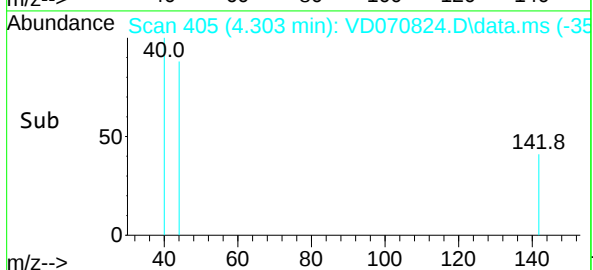
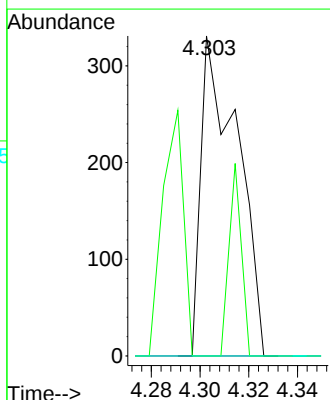
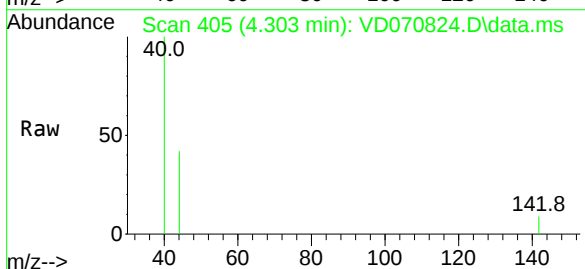
Instrument :
MSVOA_D
ClientSampled :

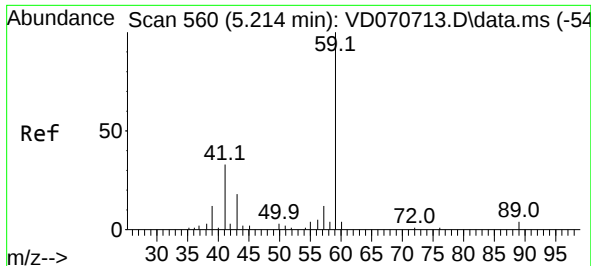
Tgt Ion:168 Resp: 419161
Ion Ratio Lower Upper
168 100
99 61.6 51.4 77.0



#10
Methyl Iodide
Concen: 3.381 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Tgt Ion:142 Resp: 343
Ion Ratio Lower Upper
142 100
127 44.3 37.5 56.3
141 0.0 12.1 18.1#



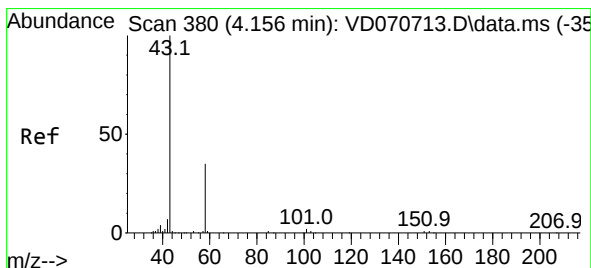
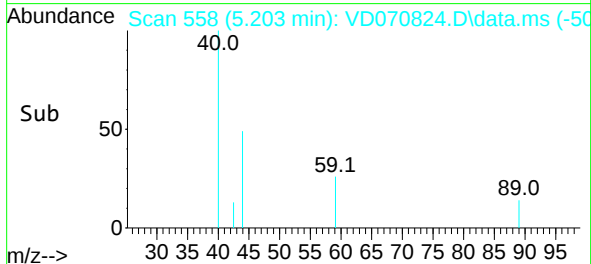
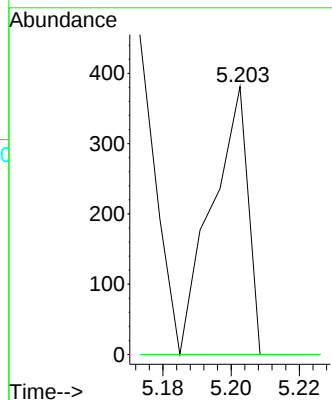
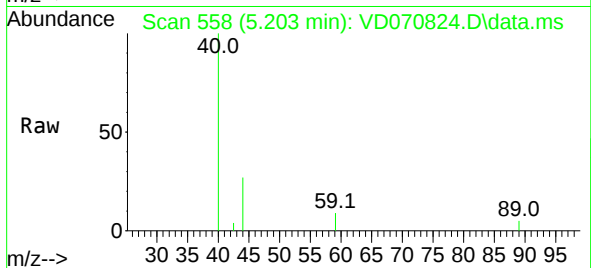


#11

Tert butyl alcohol
Concen: 1.007 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Instrument :
MSVOA_D
ClientSampled :

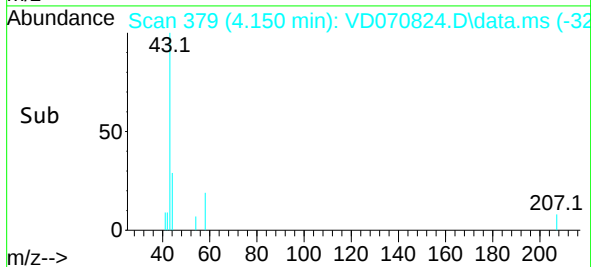
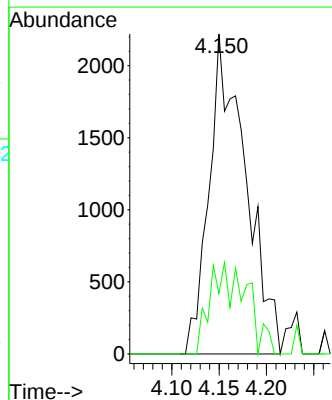
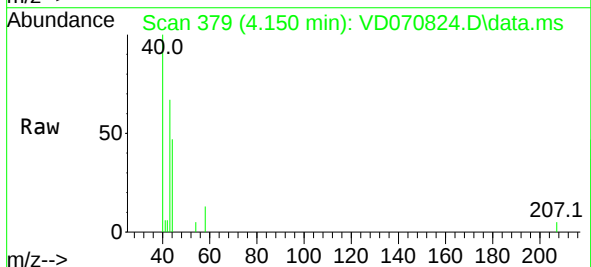
Tgt Ion: 59 Resp: 280
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

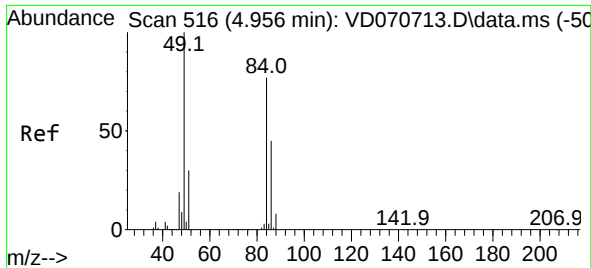


#16

Acetone
Concen: 4.962 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

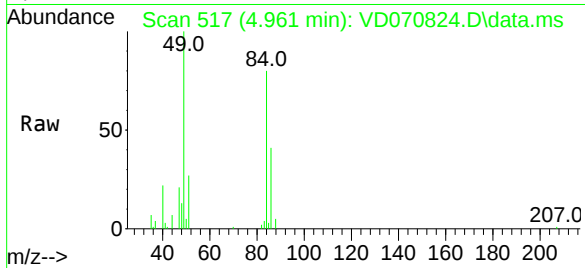
Tgt Ion: 43 Resp: 5942
Ion Ratio Lower Upper
43 100
58 18.9 28.2 42.2#





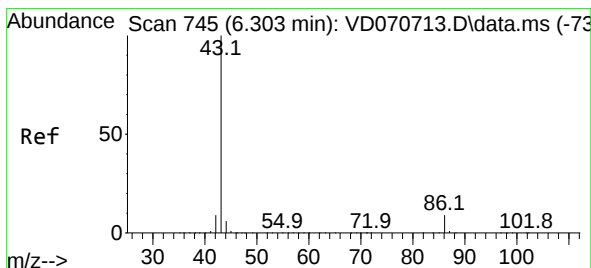
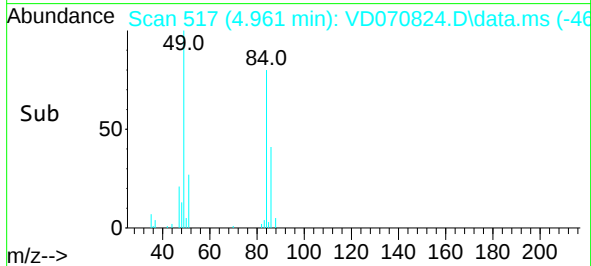
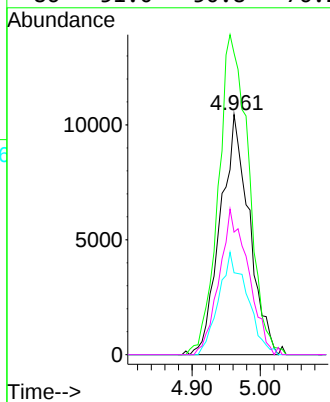
#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 30778

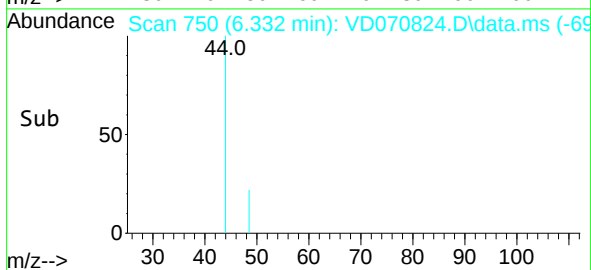
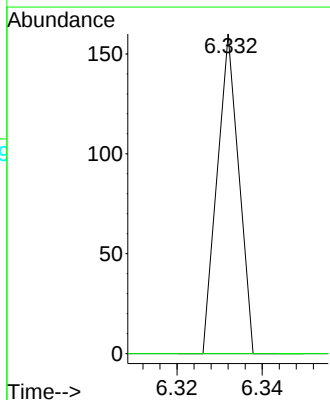
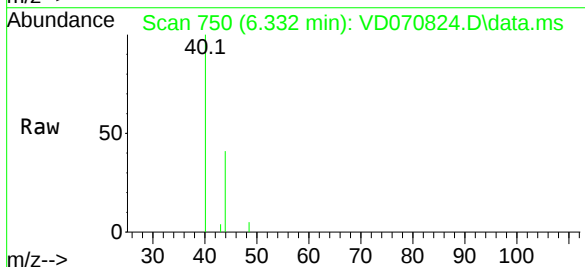
Ion	Ratio	Lower	Upper
84	100		
49	125.6	91.4	137.2
51	34.1	26.7	40.1
86	51.0	50.8	76.2

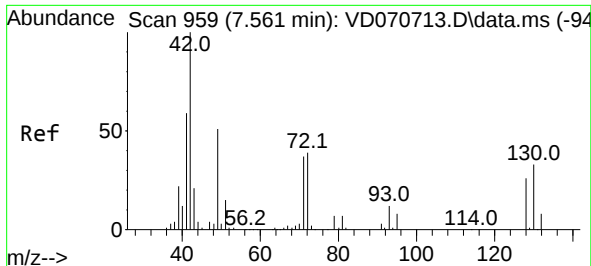


#23
Vinyl Acetate
Concen: 16.335 ug/l
RT: 6.332 min Scan# 750
Delta R.T. 0.029 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Tgt Ion: 43 Resp: 56

Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6





#29

Tetrahydrofuran

Concen: 1.412 ug/l

RT: 7.585 min Scan# 963

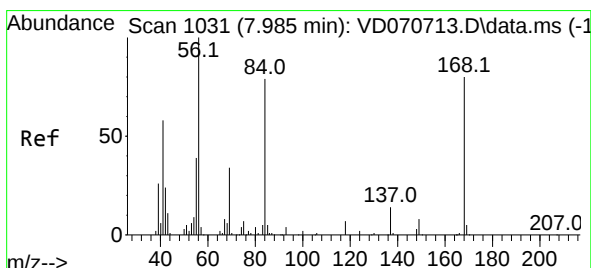
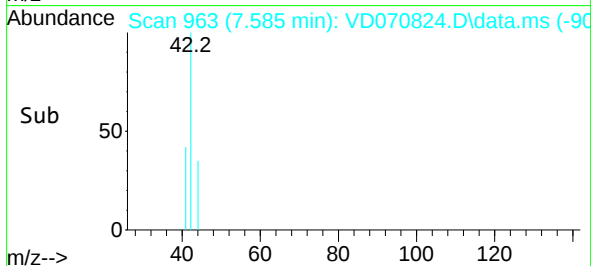
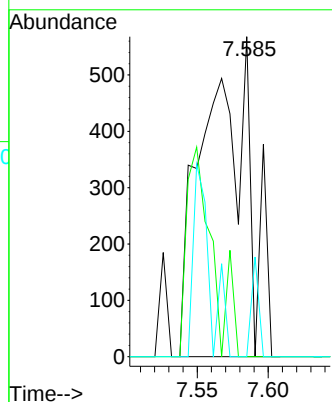
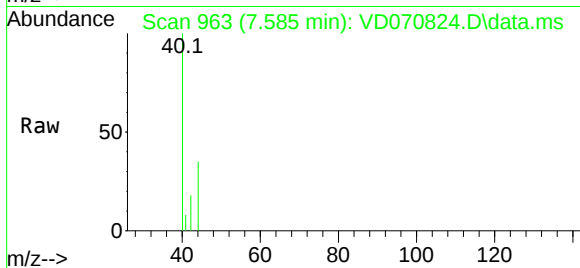
Delta R.T. 0.024 min

Lab File: VD070824.D

Acq: 22 Oct 2021 14:48

Tgt Ion:	42	Resp:	1279
Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.2	60.4#
71	4.8	37.2	55.8#

Instrument :
MSVOA_D
ClientSampled :



#31

Cyclohexane

Concen: 1.217 ug/l

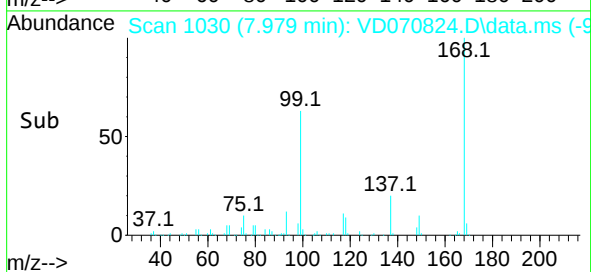
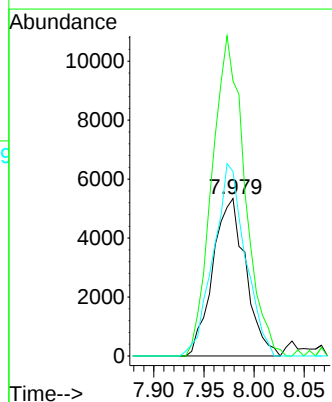
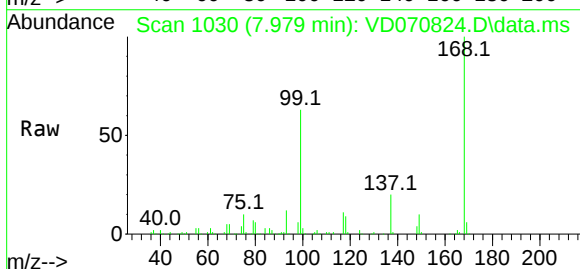
RT: 7.979 min Scan# 1030

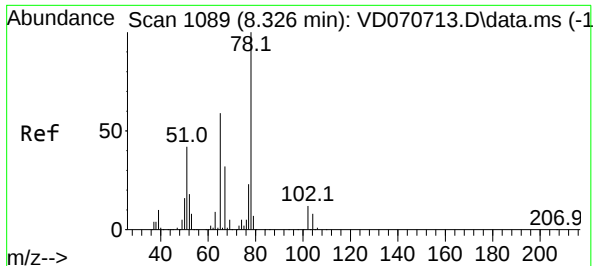
Delta R.T. -0.006 min

Lab File: VD070824.D

Acq: 22 Oct 2021 14:48

Tgt Ion:	56	Resp:	12224
Ion	Ratio	Lower	Upper
56	100		
69	174.6	27.4	41.2#
84	117.2	73.6	110.4#



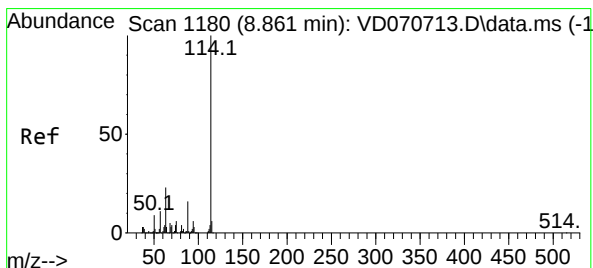
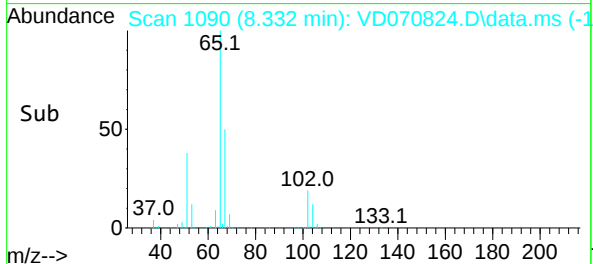
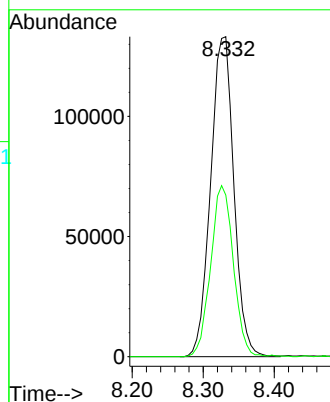
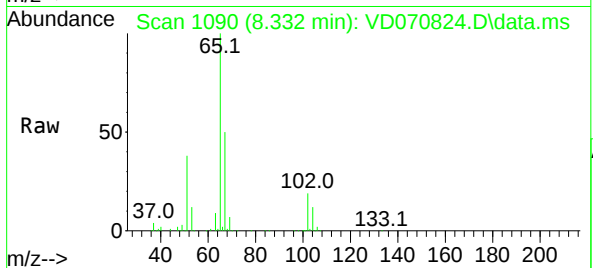


#33

1,2-Dichloroethane-d4
Concen: 60.896 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

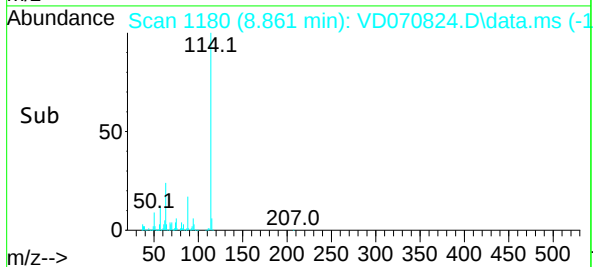
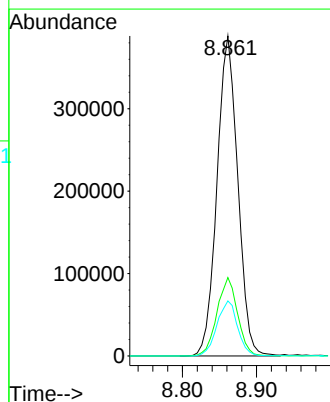
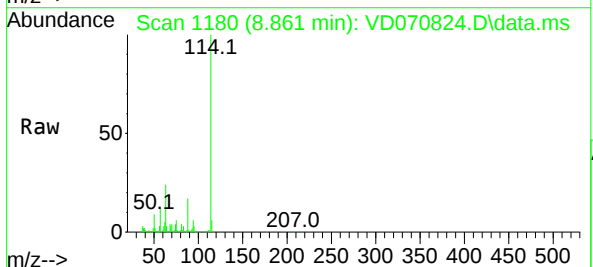
Tgt Ion: 65 Resp: 302327
Ion Ratio Lower Upper
65 100
67 52.3 0.0 110.2

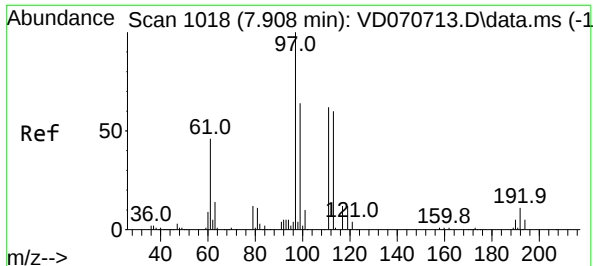


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Tgt Ion: 114 Resp: 756026
Ion Ratio Lower Upper
114 100
63 24.5 0.0 41.8
88 17.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.091 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD070824.D

Acq: 22 Oct 2021 14:48

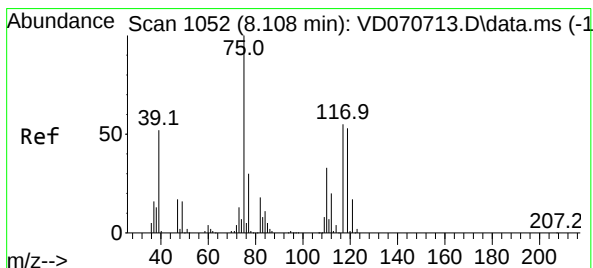
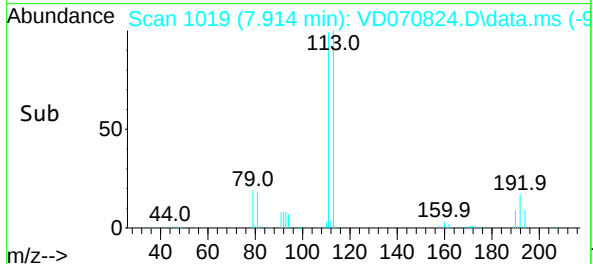
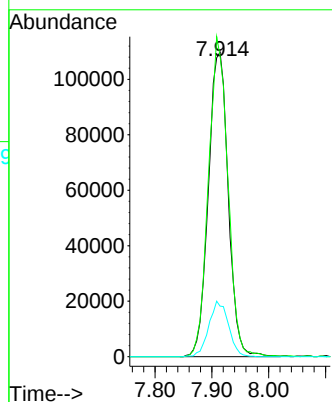
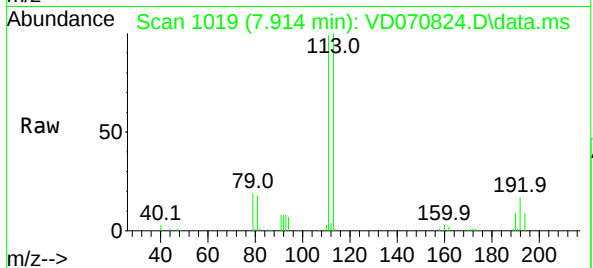
Tgt Ion:113 Resp: 266688

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

192 18.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.939 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070824.D

Acq: 22 Oct 2021 14:48

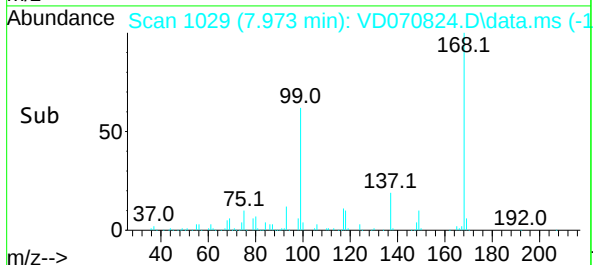
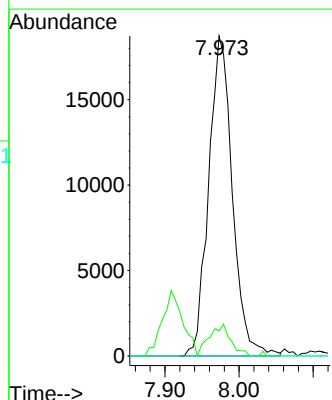
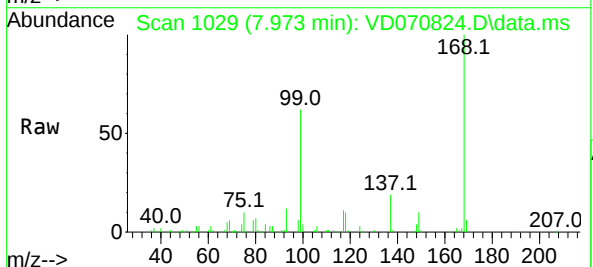
Tgt Ion: 75 Resp: 41595

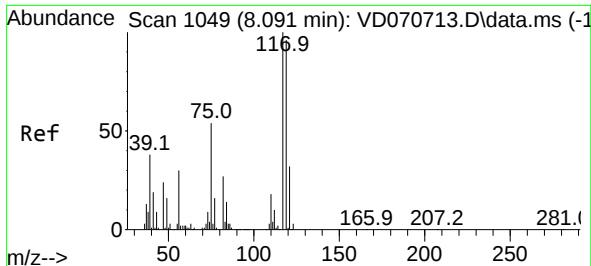
Ion Ratio Lower Upper

75 100

110 8.9 17.2 51.6#

77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.796 ug/l

RT: 7.979 min Scan# 1030

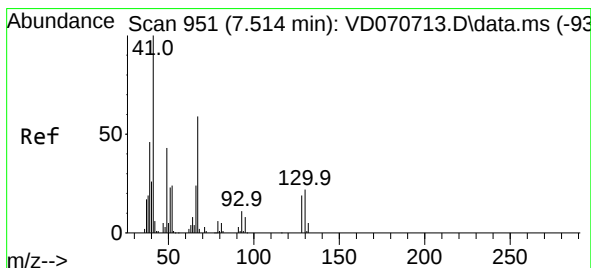
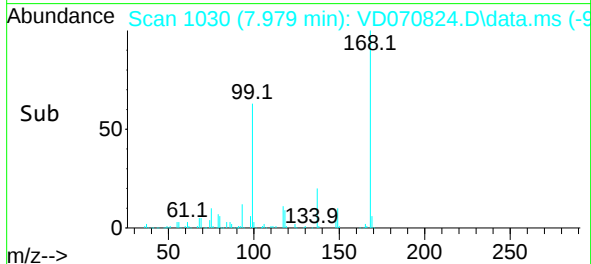
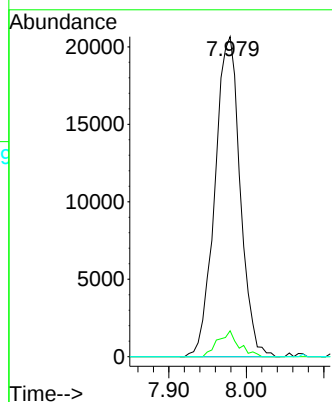
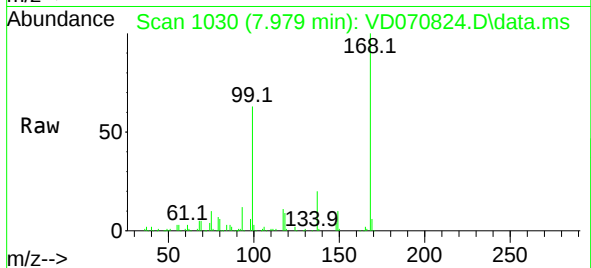
Delta R.T. -0.112 min

Lab File: VD070824.D

Acq: 22 Oct 2021 14:48

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	117	Resp:	46757
Ion	Ratio	Lower	Upper
117	100		
119	8.1	77.4	116.0#
121	0.0	25.4	38.0#



#41

Methacrylonitrile

Concen: 2.022 ug/l

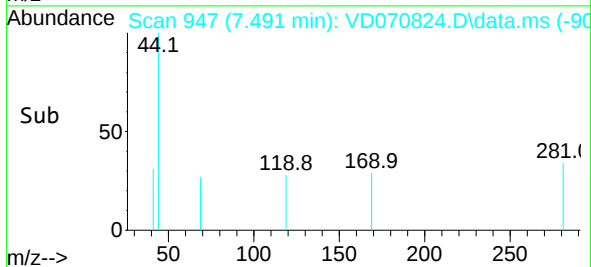
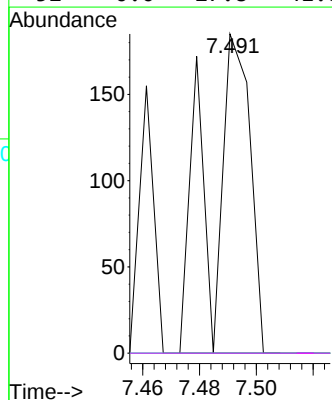
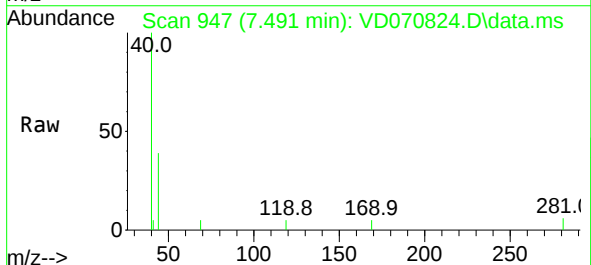
RT: 7.491 min Scan# 947

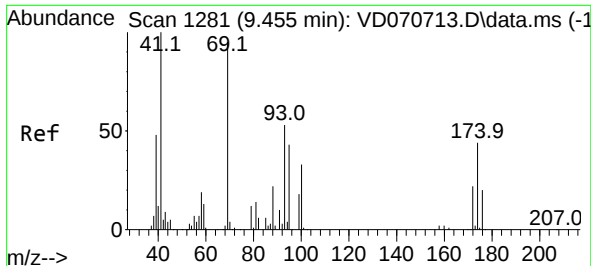
Delta R.T. -0.023 min

Lab File: VD070824.D

Acq: 22 Oct 2021 14:48

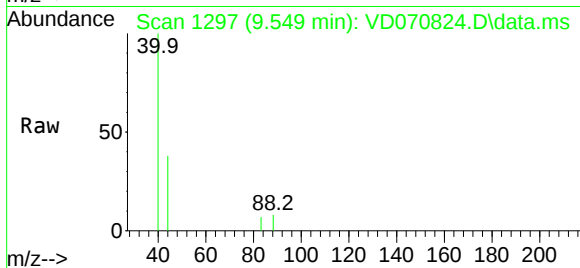
Tgt Ion:	41	Resp:	181
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



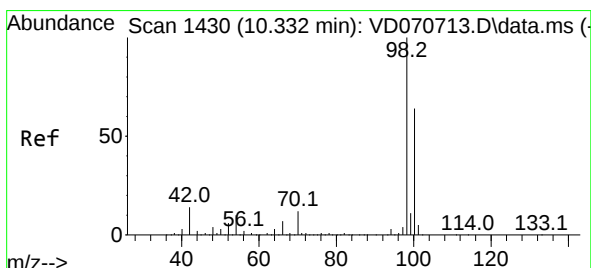
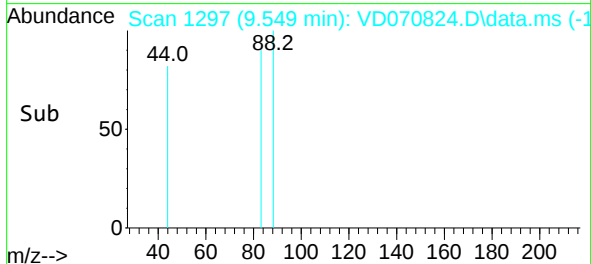
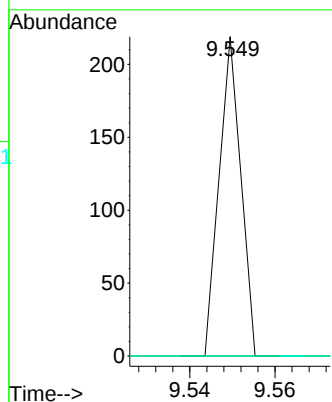


#49
1,4-Dioxane
Concen: 2.337 ug/l
RT: 9.549 min Scan# 1297
Delta R.T. 0.094 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

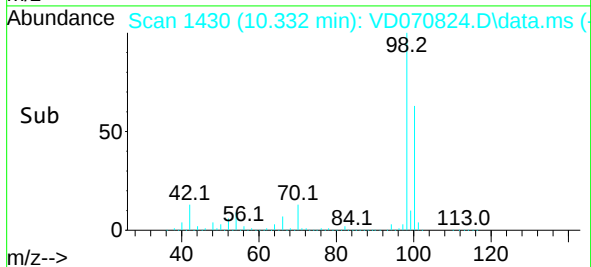
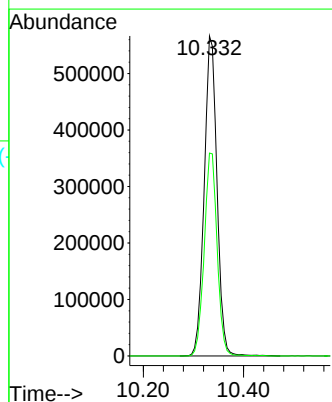
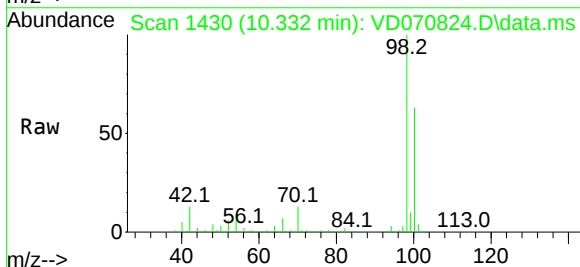


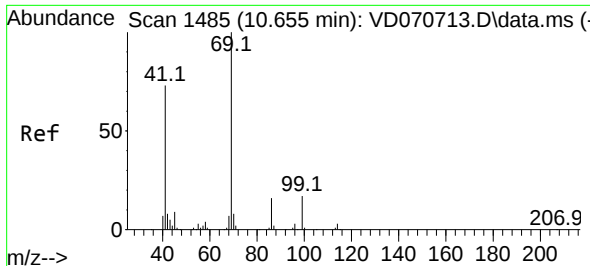
Tgt Ion: 88 Resp: 77
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 57.4 86.0#



#50
Toluene-d8
Concen: 54.084 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Tgt Ion: 98 Resp: 1003627
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

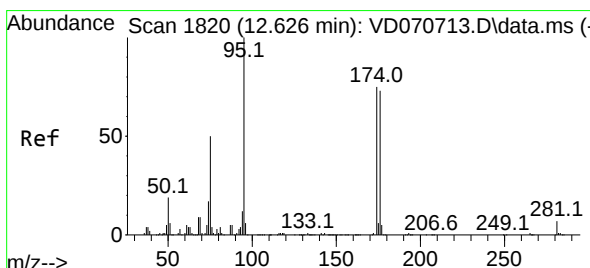
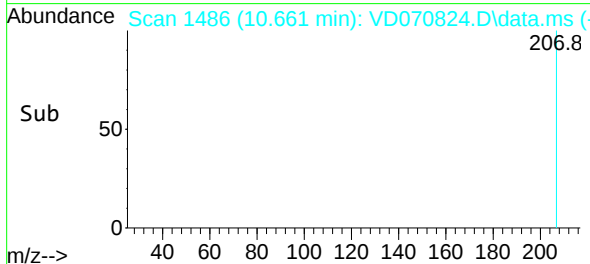
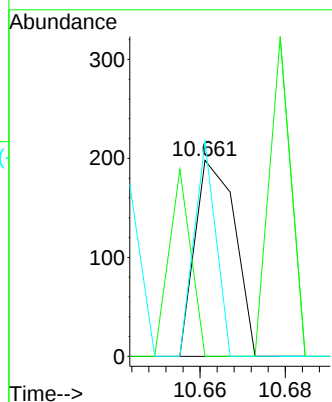
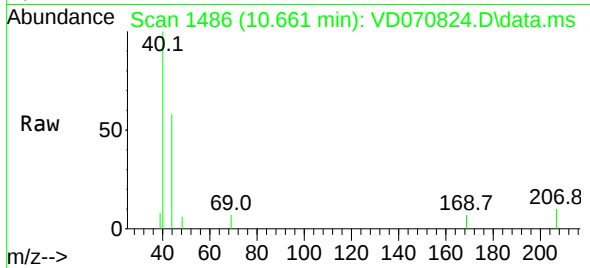




#56
Ethyl methacrylate
Concen: 4.176 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

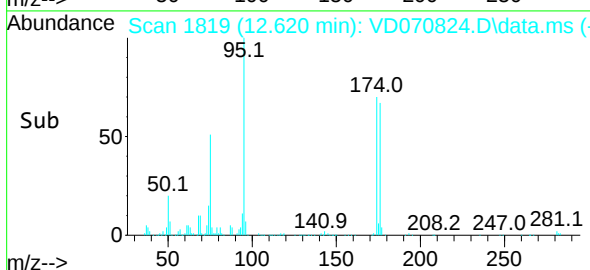
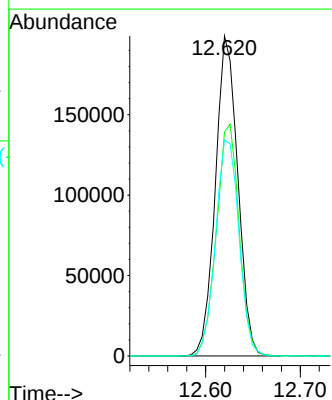
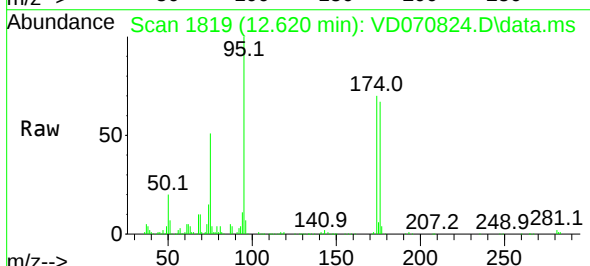
Instrument :
MSVOA_D
ClientSampled :

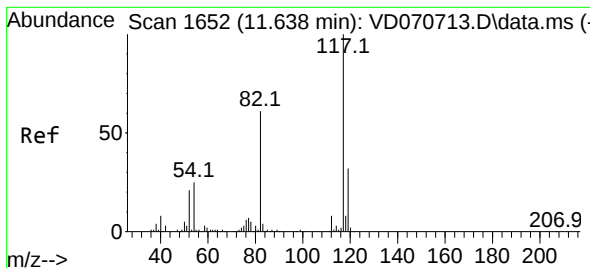
Tgt Ion: 69 Resp: 128
Ion Ratio Lower Upper
69 100
41 89.1 44.7 67.1#
39 60.2 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 51.176 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Tgt Ion: 95 Resp: 326995
Ion Ratio Lower Upper
95 100
174 73.8 0.0 138.0
176 70.7 0.0 135.6

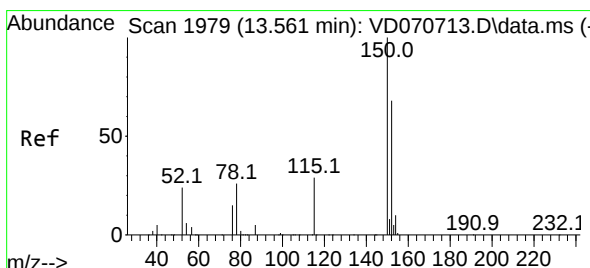
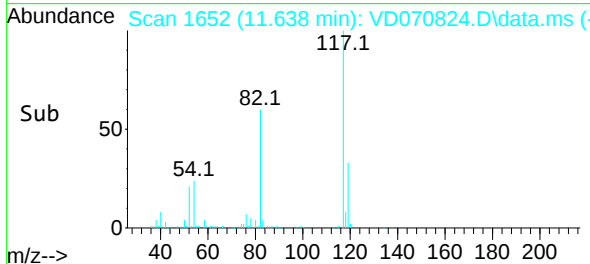
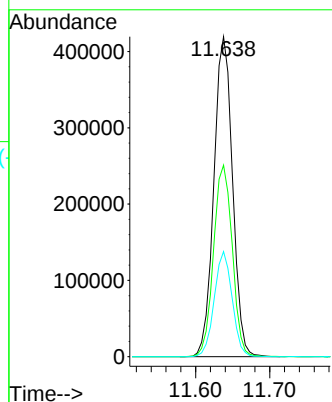
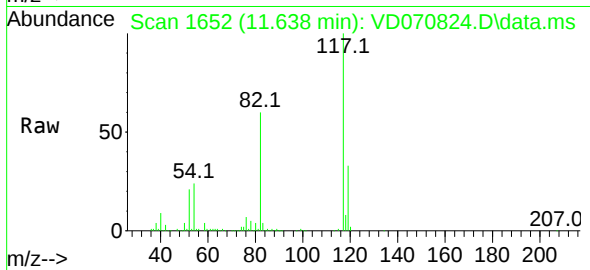




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

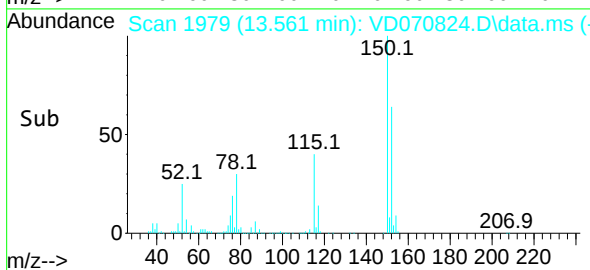
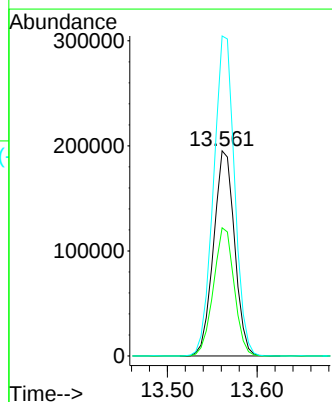
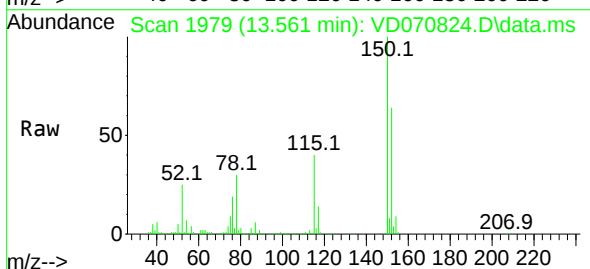
Instrument :
MSVOA_D
ClientSampleId :

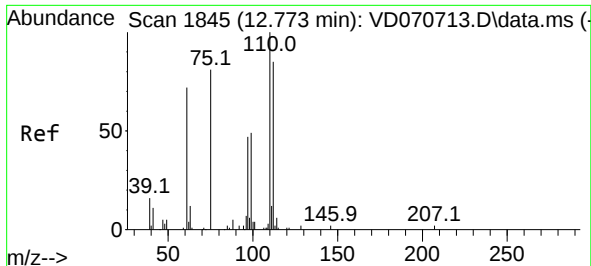
Tgt Ion:	117	Resp:	733822
Ion	Ratio	Lower	Upper
117	100		
82	59.9	45.4	68.2
119	32.9	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Tgt Ion:	152	Resp:	317582
Ion	Ratio	Lower	Upper
152	100		
115	61.7	31.9	95.7
150	156.4	0.0	350.0

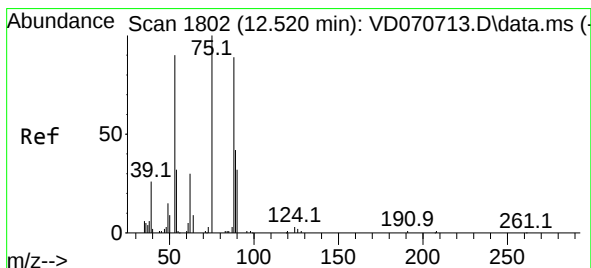
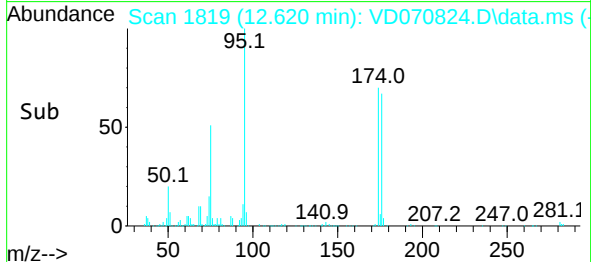
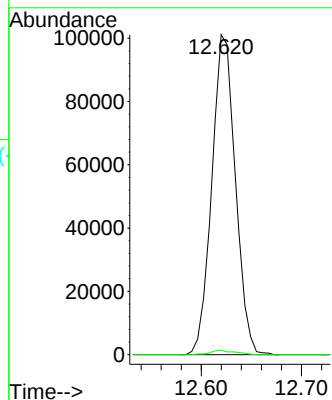
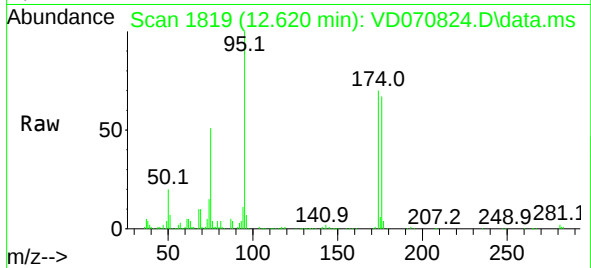




#76
1,2,3-Trichloropropane
Concen: 60.248 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

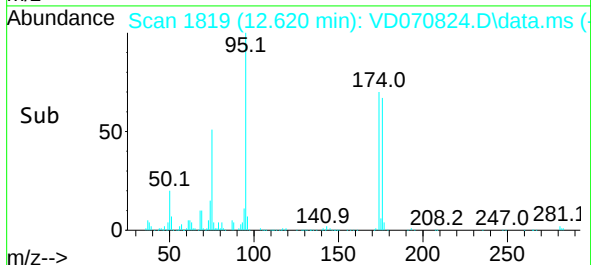
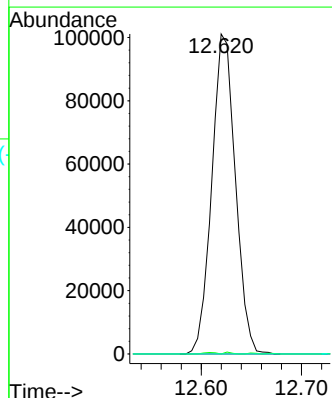
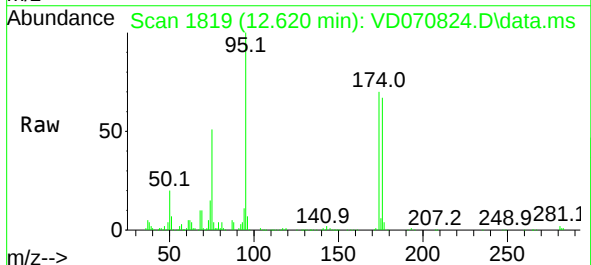
Instrument :
MSVOA_D
ClientSampleId :

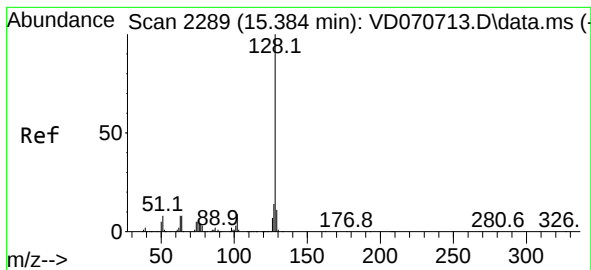
Tgt Ion: 75 Resp: 165307
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.962 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

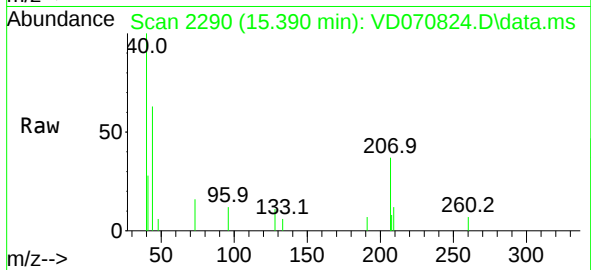
Tgt Ion: 75 Resp: 165307
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 4.815 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070824.D
Acq: 22 Oct 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 255
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

