

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071321.D
 Acq On : 14 Dec 2021 15:28
 Operator : VA/SY
 Sample : M5064-02
 Misc : 4.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 08:30:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

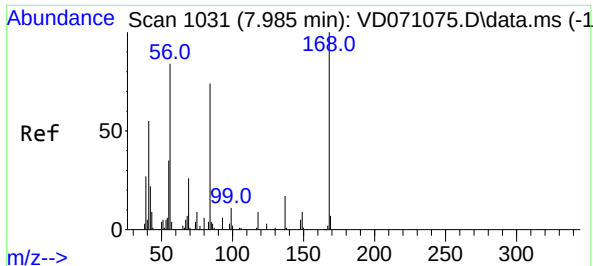
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	356144	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	604754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	673533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	330278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	177215	42.407	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.820%		
35) Dibromofluoromethane	7.914	113	182977	47.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.020%		
50) Toluene-d8	10.332	98	777556	53.057	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.120%		
62) 4-Bromofluorobenzene	12.620	95	330646	65.088	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	130.180%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	58	4.573	ug/l #	18
11) Tert butyl alcohol	5.179	59	5657	Below Cal	#	71
16) Acetone	4.156	43	1368	31.877	ug/l	89
20) Methylene Chloride	4.961	84	27431	2.541	ug/l	91
23) Vinyl Acetate	6.303	43	58	27.226	ug/l #	72
25) 2-Butanone	7.214	43	969	29.029	ug/l #	45
31) Cyclohexane	7.979	56	9264	1.303	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	33252	5.883	ug/l #	49
38) Carbon Tetrachloride	7.979	117	38524	6.914	ug/l #	15
41) Methacrylonitrile	7.514	41	127	Below Cal	#	55
43) Isopropyl Acetate	8.444	43	148	5.248	ug/l #	47
49) 1,4-Dioxane	9.449	88	65	3.214	ug/l #	23
51) 4-Methyl-2-Pentanone	10.226	43	927	30.947	ug/l #	34
56) Ethyl methacrylate	10.649	69	419	6.064	ug/l #	28
59) 2-Hexanone	10.991	43	83	34.608	ug/l #	22
74) N-amyl acetate	12.279	43	464	5.764	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	184773	58.719	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	184773	127.254	ug/l #	19

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

Quant Time: Dec 15 08:30:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

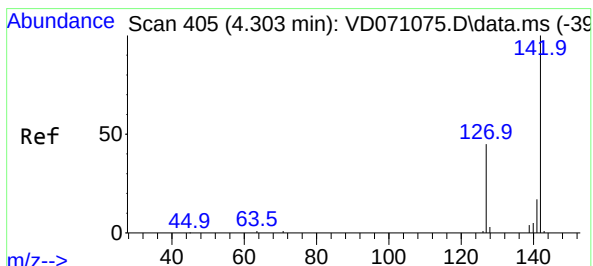
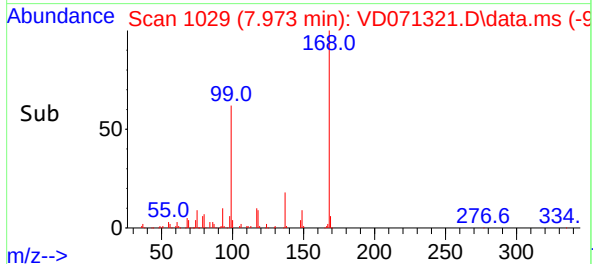
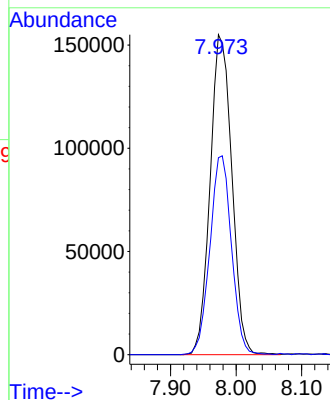
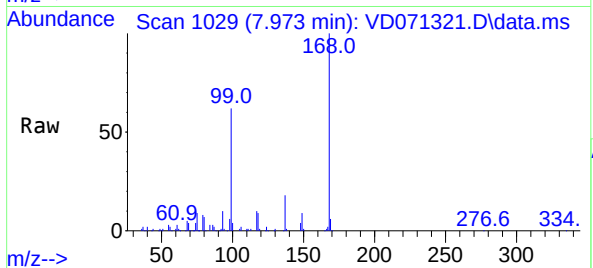




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

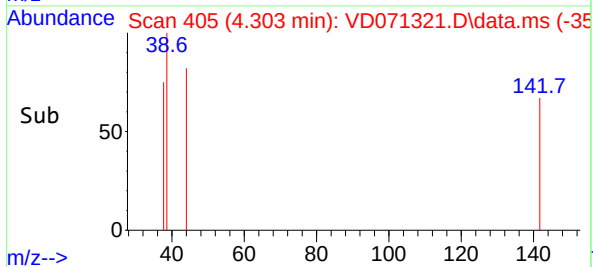
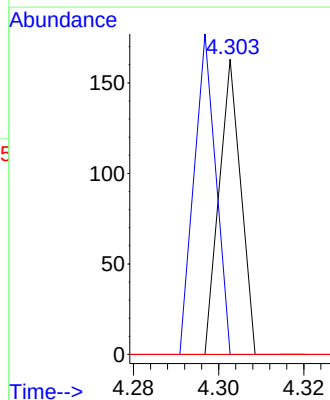
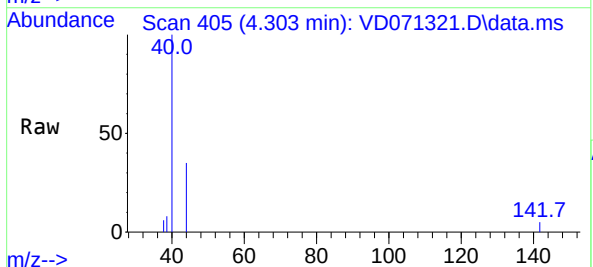
Instrument :
MSVOA_D
ClientSampleId :

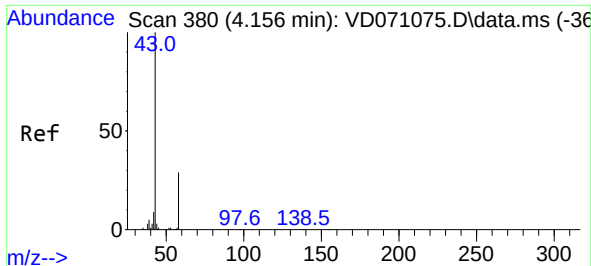
Tgt Ion:168 Resp: 356144
Ion Ratio Lower Upper
168 100
99 61.6 46.6 69.8



#10
Methyl Iodide
Concen: 4.573 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 106.9 35.0 52.4#
141 0.0 12.0 18.0#

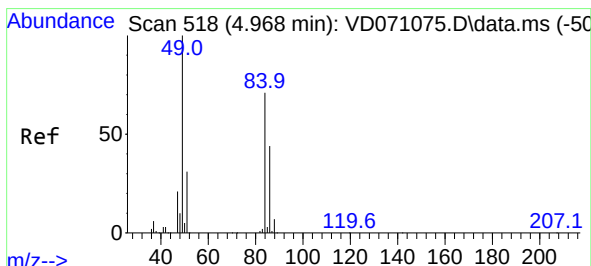
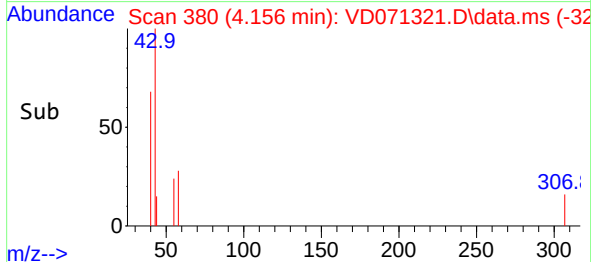
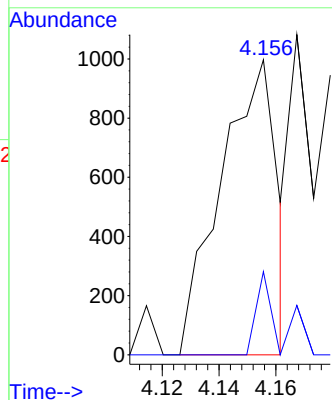
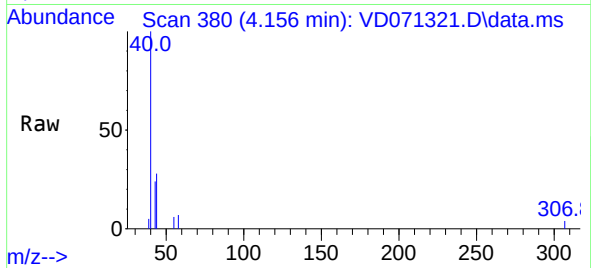




#16
Acetone
Concen: 31.877 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

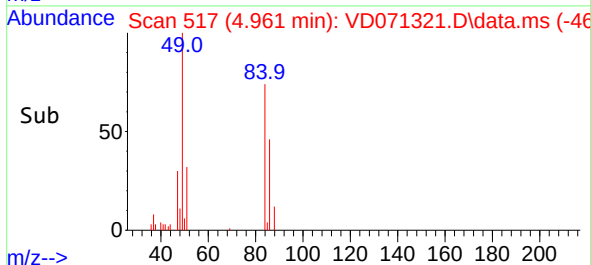
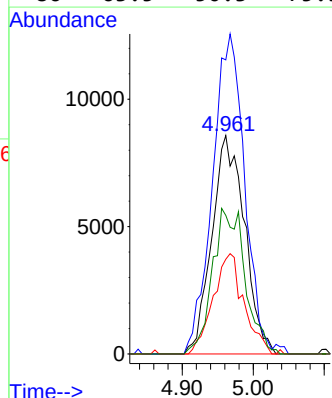
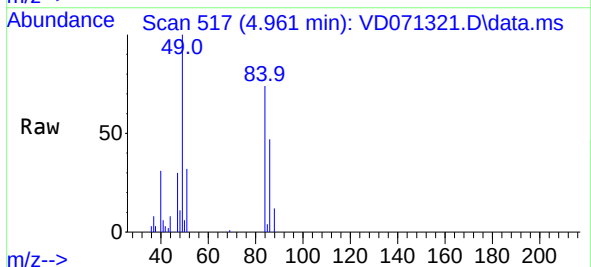
Instrument :
MSVOA_D
ClientSampleId :

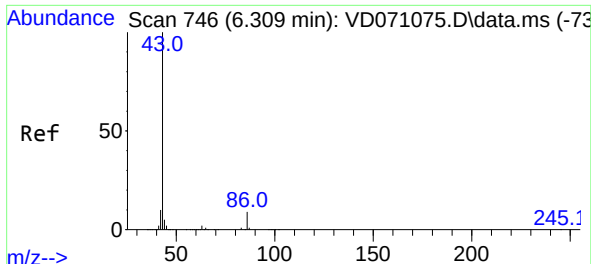
Tgt Ion: 43 Resp: 1368
Ion Ratio Lower Upper
43 100
58 28.2 27.8 41.8



#20
Methylene Chloride
Concen: 2.541 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.007 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Tgt Ion: 84 Resp: 27431
Ion Ratio Lower Upper
84 100
49 134.7 95.8 143.6
51 43.4 30.9 46.3
86 63.5 50.3 75.5

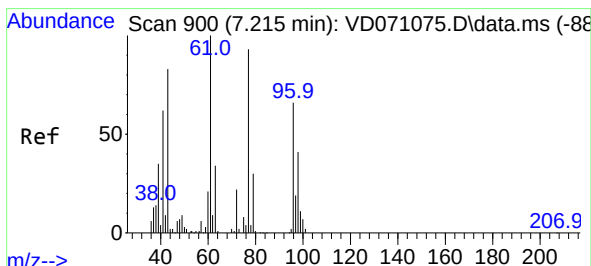
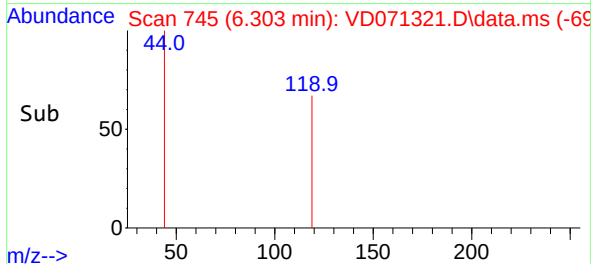
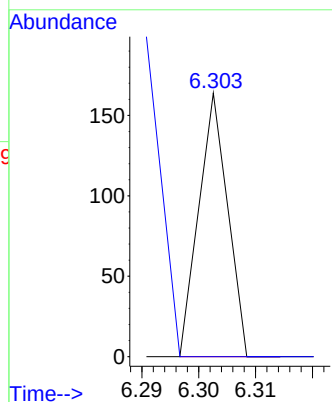
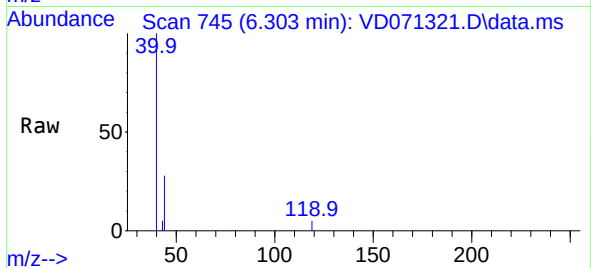




#23
 Vinyl Acetate
 Concen: 27.226 ug/l
 RT: 6.303 min Scan# 746
 Delta R.T. -0.006 min
 Lab File: VD071321.D
 Acq: 14 Dec 2021 15:28

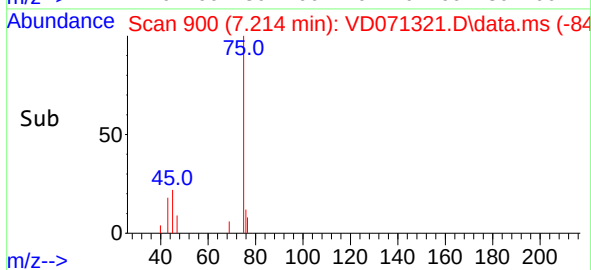
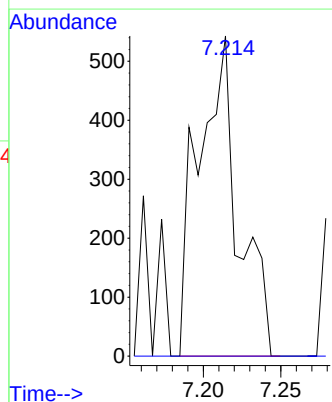
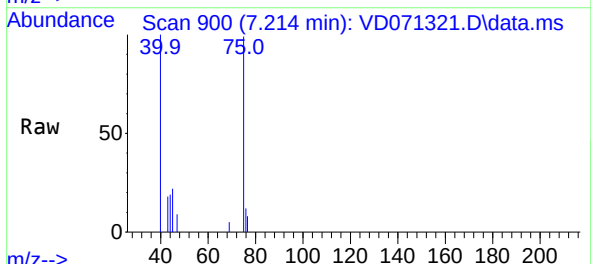
Instrument :
 MSVOA_D
 ClientSampleId :

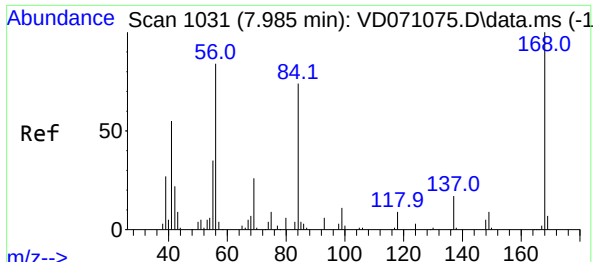
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.029 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.001 min
 Lab File: VD071321.D
 Acq: 14 Dec 2021 15:28

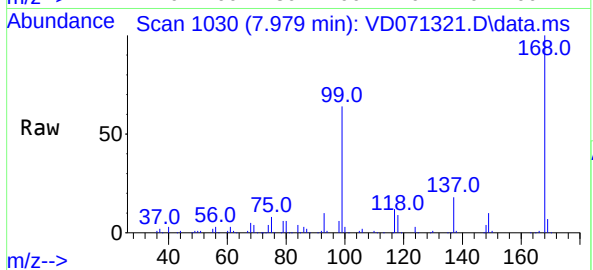
Tgt Ion: 43 Resp: 969
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



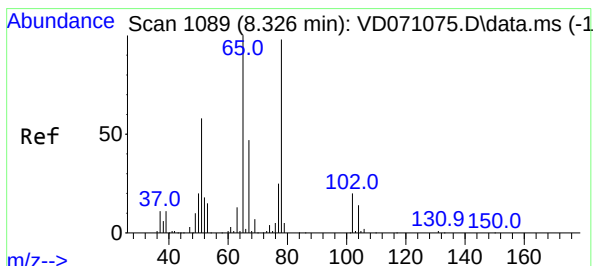
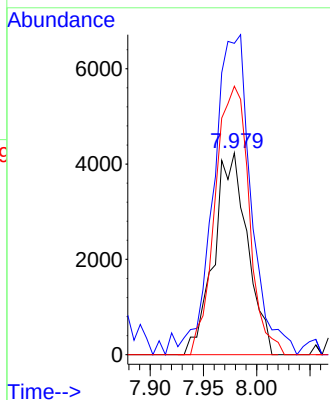
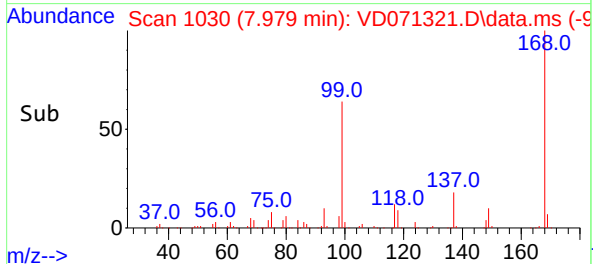


#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :

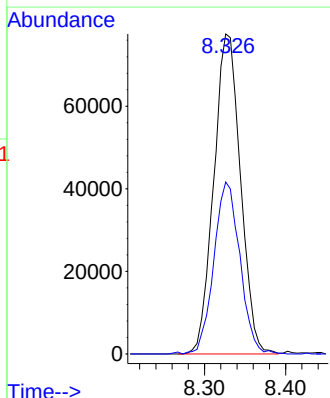
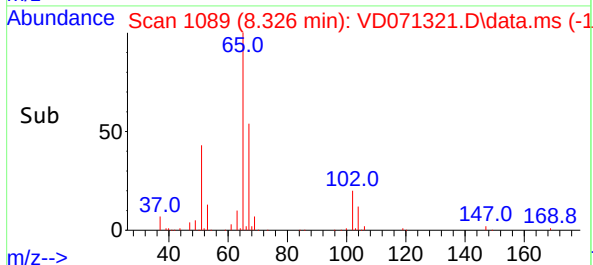
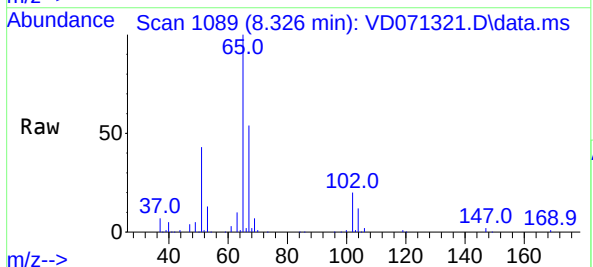


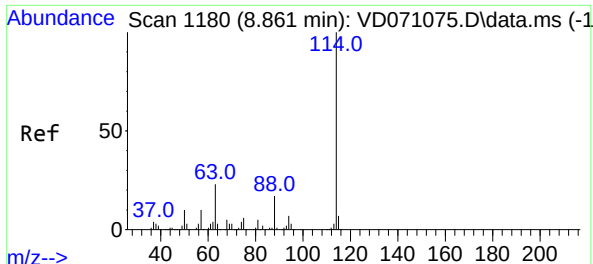
Tgt Ion: 56 Resp: 9264
Ion Ratio Lower Upper
56 100
69 150.3 25.9 38.9#
84 139.1 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 42.407 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Tgt Ion: 65 Resp: 177215
Ion Ratio Lower Upper
65 100
67 52.4 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: VD071321.D

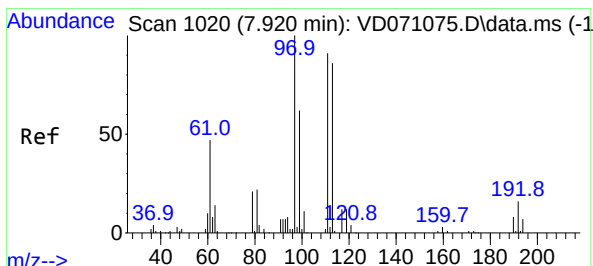
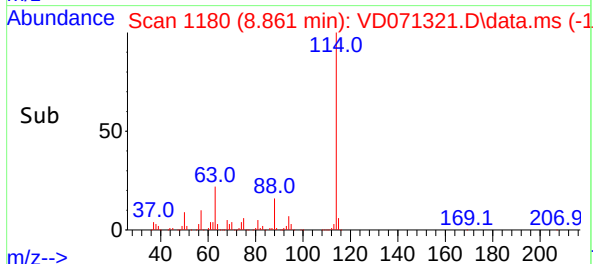
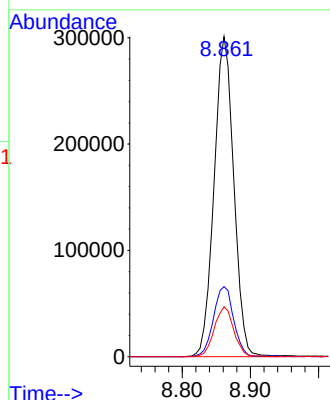
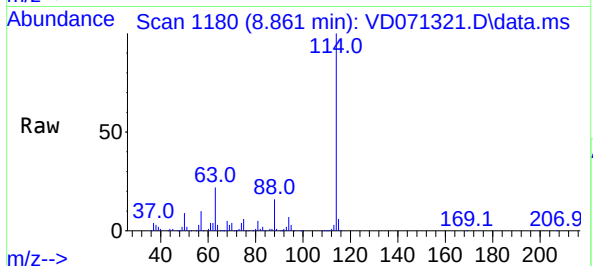
Acq: 14 Dec 2021 15:28

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp: 604754
Ion Ratio	Lower Upper
114 100	
63 21.9	0.0 41.8
88 15.6	0.0 32.8



#35

Dibromofluoromethane

Concen: 47.514 ug/l

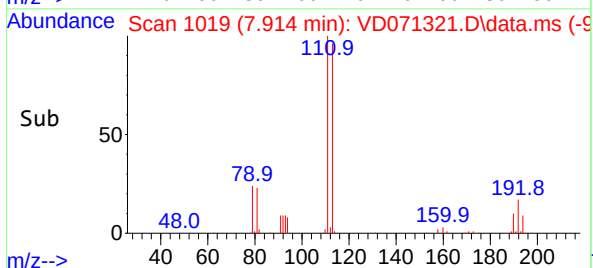
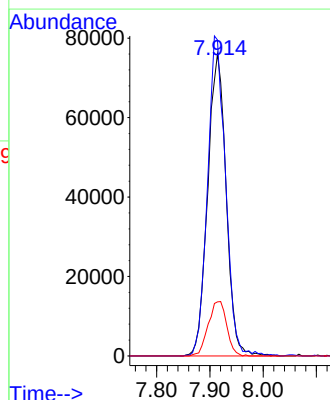
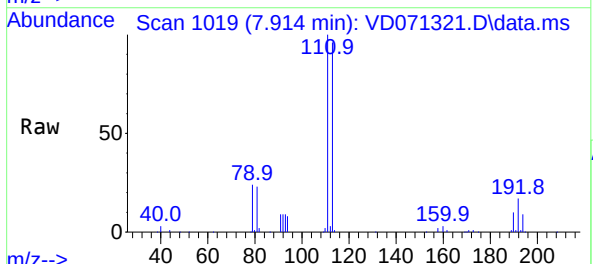
RT: 7.914 min Scan# 1019

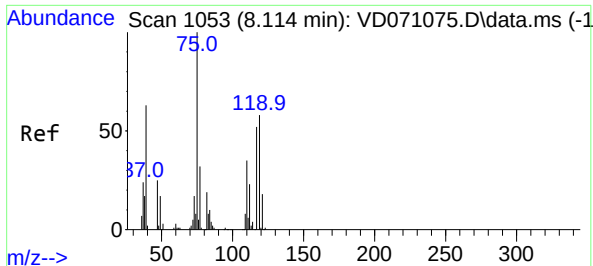
Delta R.T. -0.006 min

Lab File: VD071321.D

Acq: 14 Dec 2021 15:28

Tgt Ion:113	Resp:	182977	
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.0	123.0
192	18.1	15.2	22.8





#36

1,1-Dichloropropene

Concen: 5.883 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071321.D

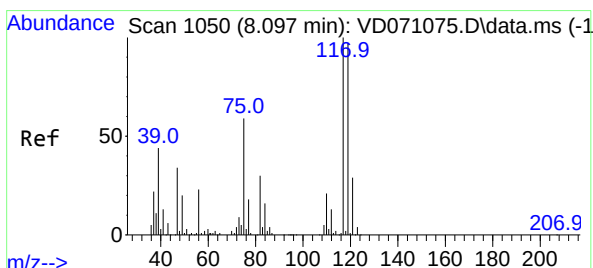
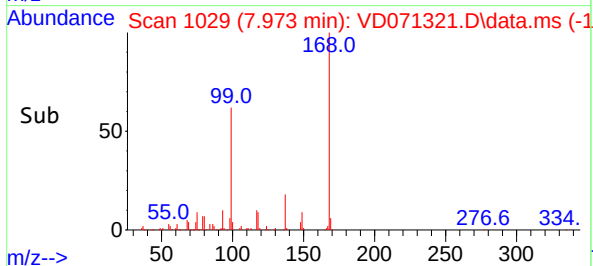
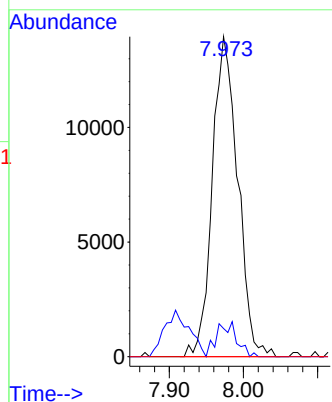
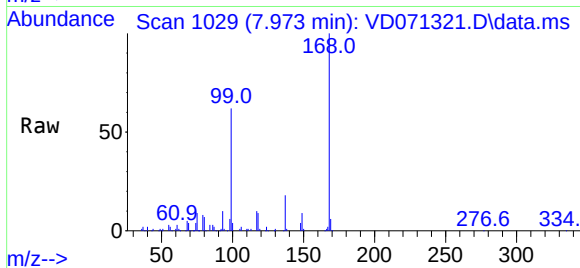
Acq: 14 Dec 2021 15:28

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	33252
Ion Ratio	Lower	Upper	
75	100		
110	8.6	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.914 ug/l

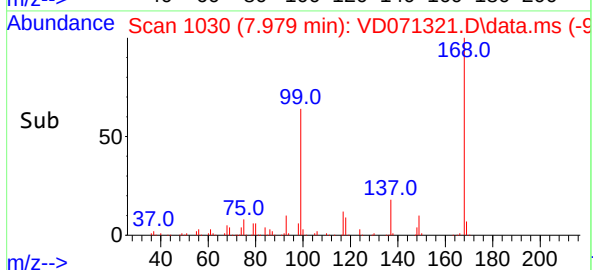
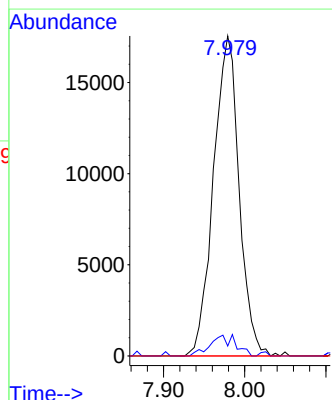
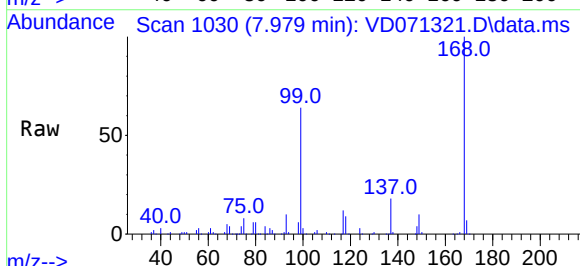
RT: 7.979 min Scan# 1030

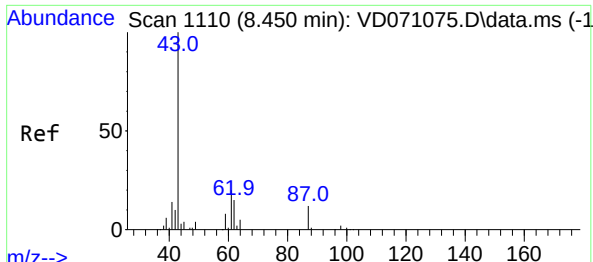
Delta R.T. -0.118 min

Lab File: VD071321.D

Acq: 14 Dec 2021 15:28

Tgt Ion:	117	Resp:	38524
Ion Ratio	Lower	Upper	
117	100		
119	3.1	75.8	113.6#
121	0.0	23.6	35.4#

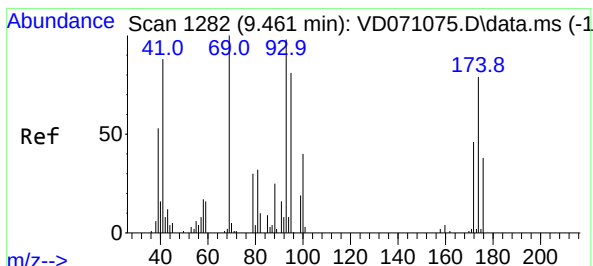
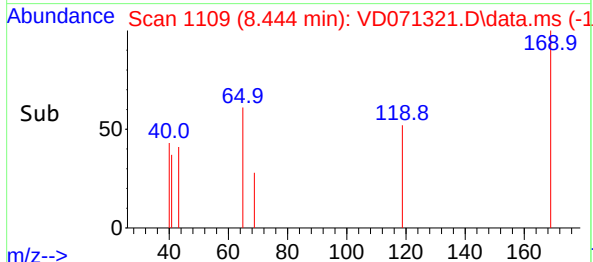
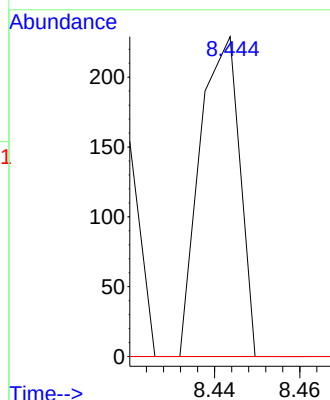
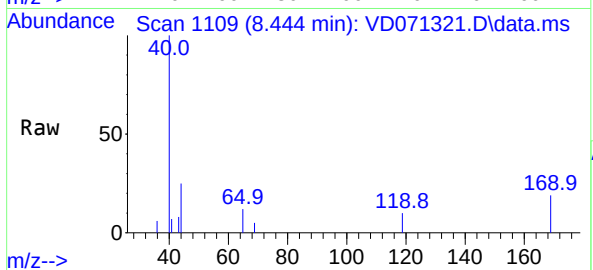




#43
Isopropyl Acetate
Concen: 5.248 ug/l
RT: 8.444 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

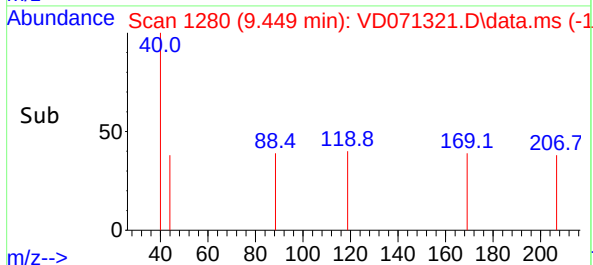
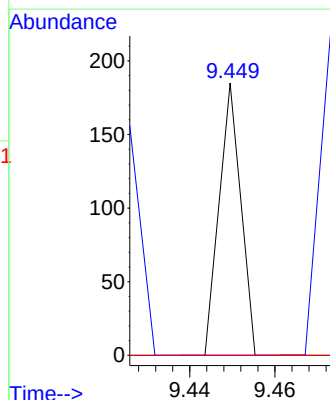
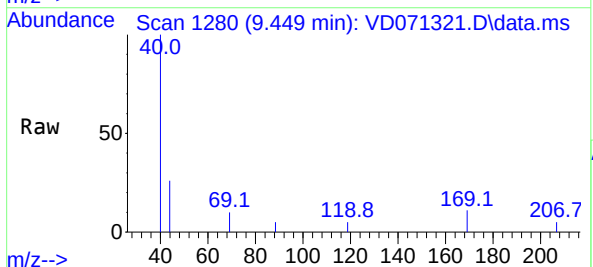
Instrument :
MSVOA_D
ClientSampleId :

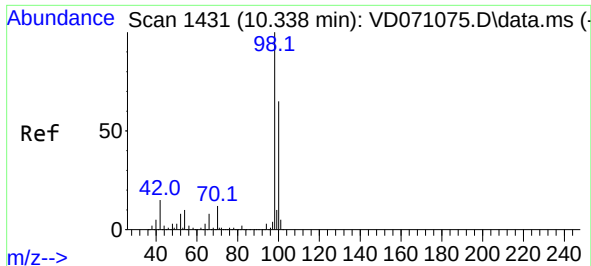
Tgt Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#49
1,4-Dioxane
Concen: 3.214 ug/l
RT: 9.449 min Scan# 1280
Delta R.T. -0.012 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#

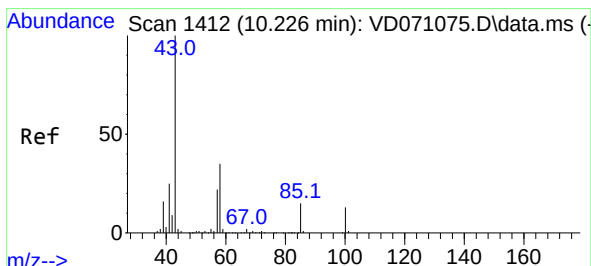
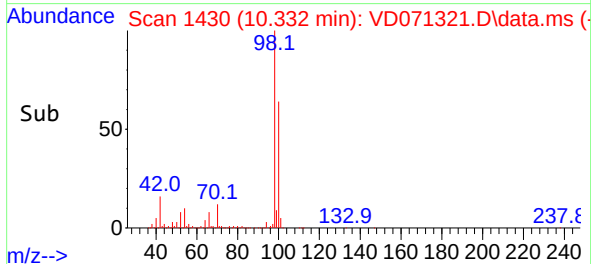
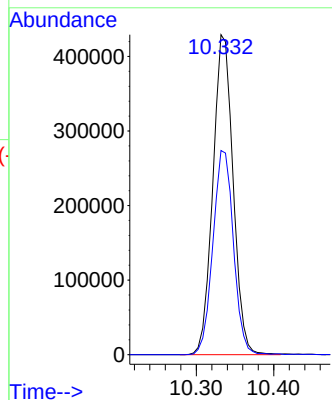
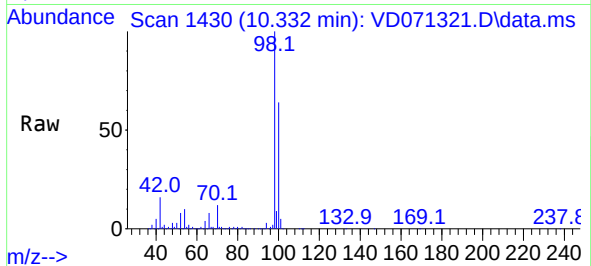




#50
Toluene-d8
Concen: 53.057 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

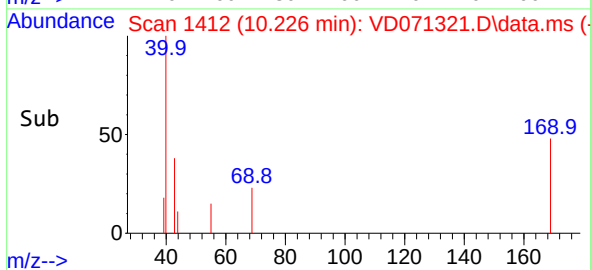
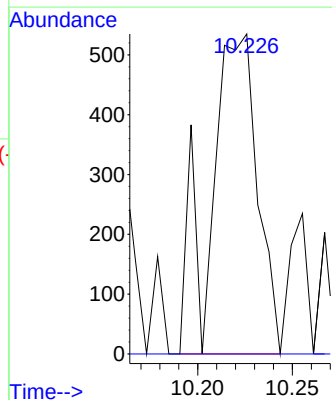
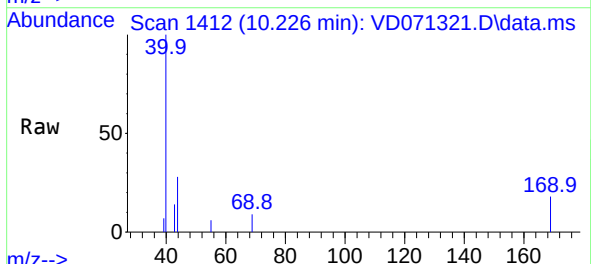
Instrument :
MSVOA_D
ClientSampleId :

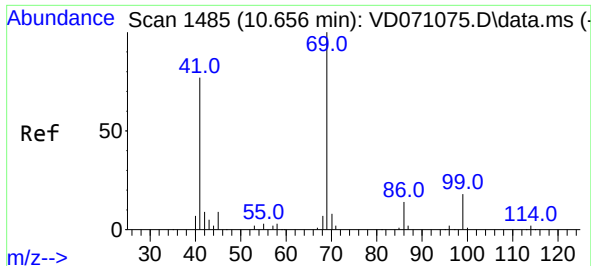
Tgt Ion: 98 Resp: 777556
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.947 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

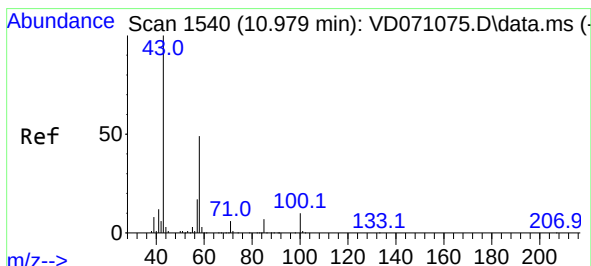
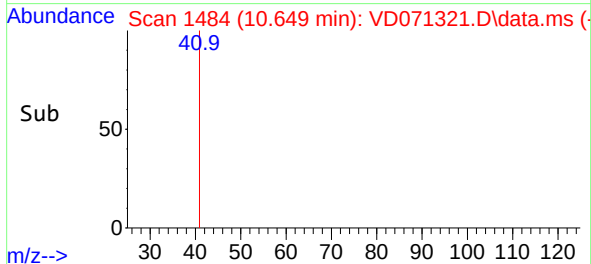
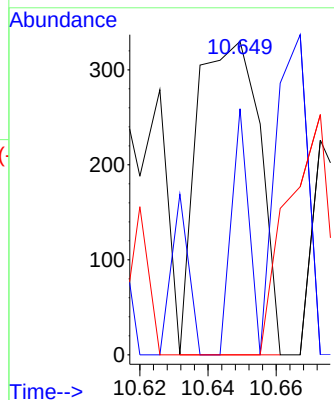
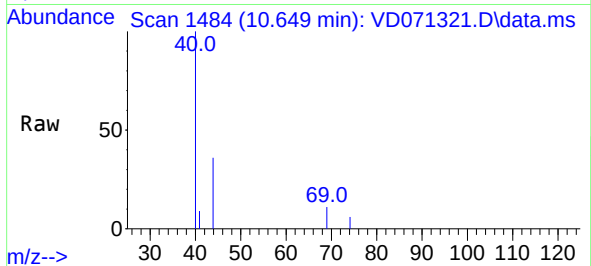




#56
Ethyl methacrylate
Concen: 6.064 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.007 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

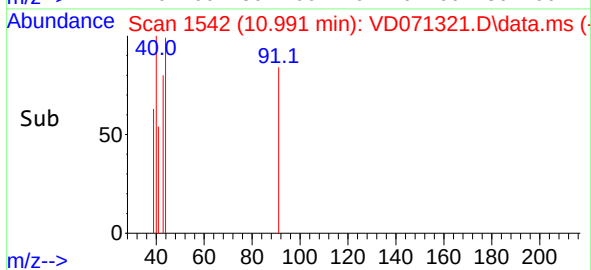
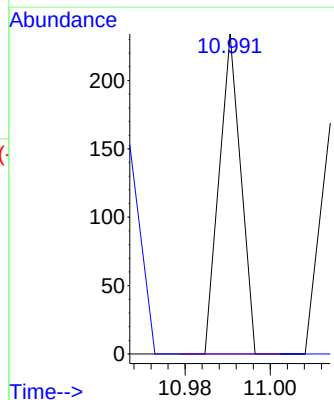
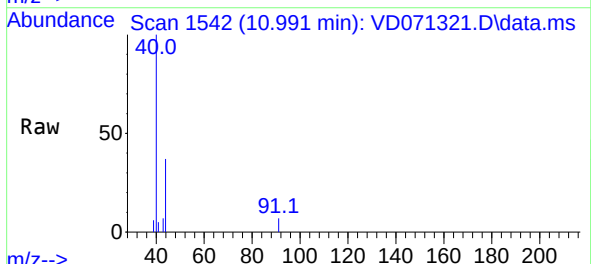
Instrument :
MSVOA_D
ClientSampleId :

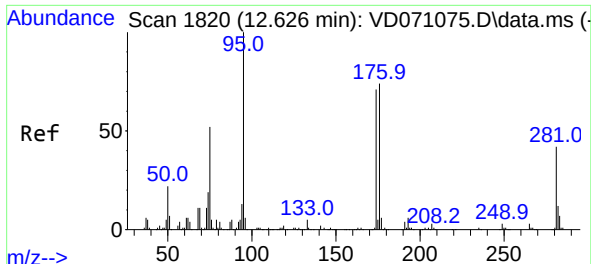
Tgt Ion: 69 Resp: 419
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.608 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

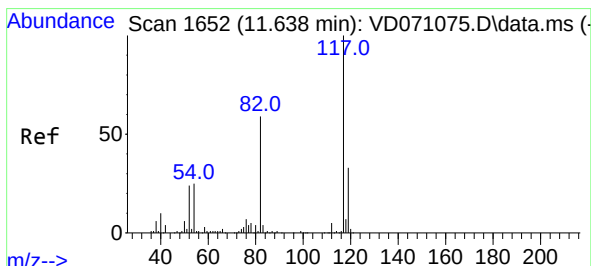
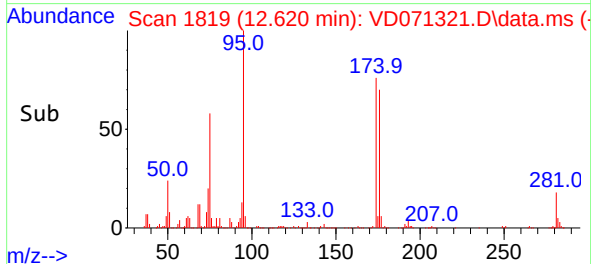
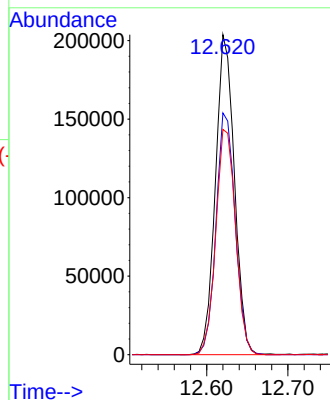
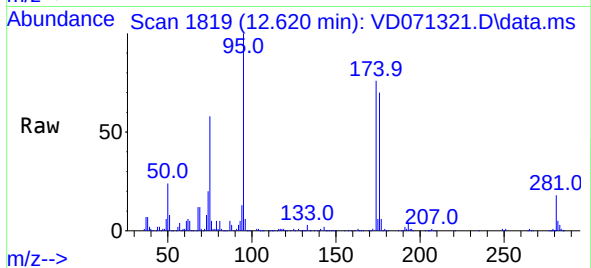




#62
4-Bromofluorobenzene
Concen: 65.088 ug/l
RT: 12.620 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

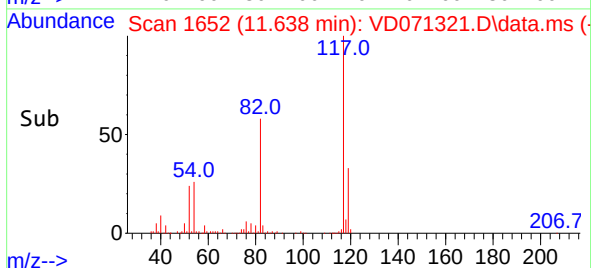
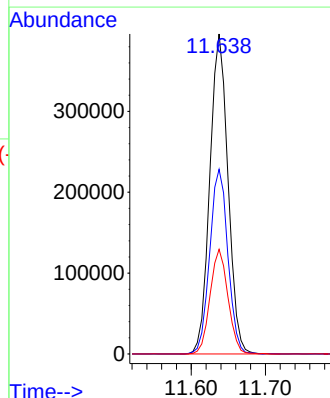
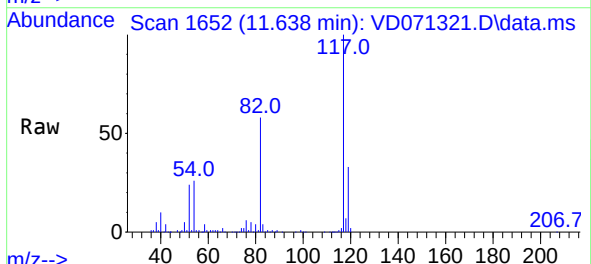
Instrument :
MSVOA_D
ClientSampleId :

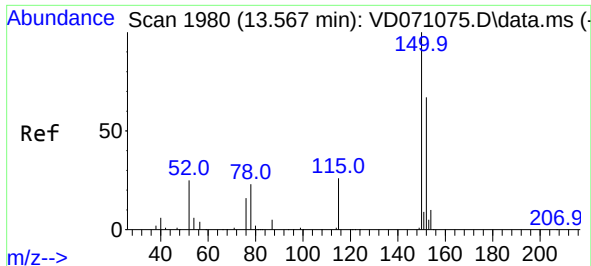
Tgt Ion: 95 Resp: 330646
Ion Ratio Lower Upper
95 100
174 76.4 0.0 159.4
176 73.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Tgt Ion: 117 Resp: 673533
Ion Ratio Lower Upper
117 100
82 57.7 44.7 67.1
119 32.7 26.2 39.4

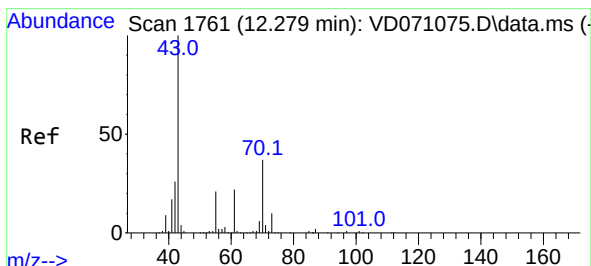
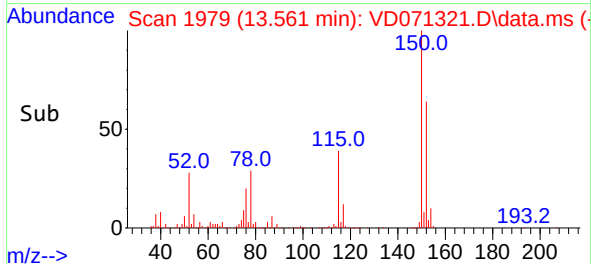
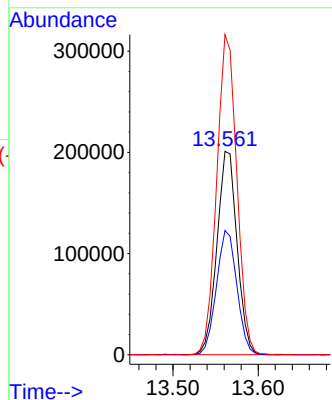
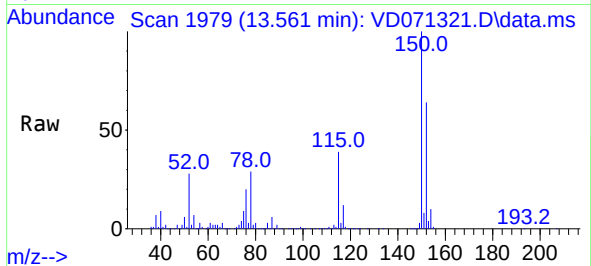




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

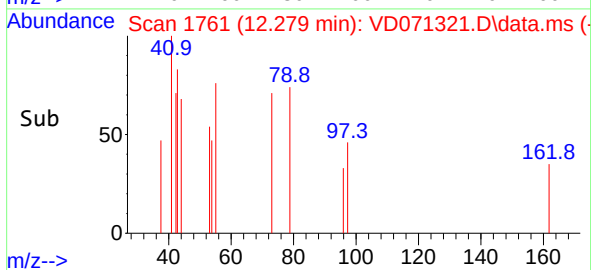
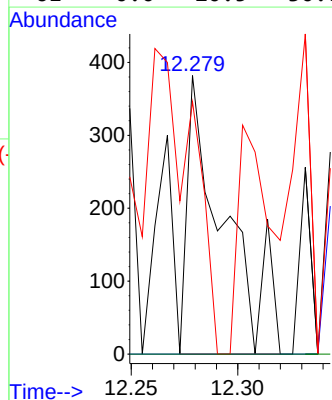
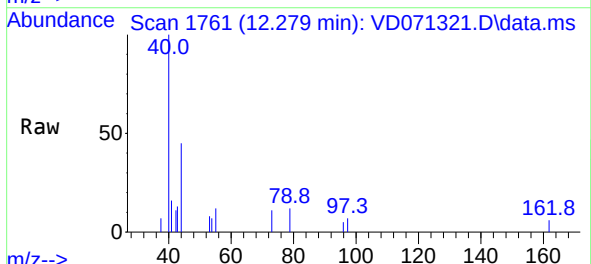
Instrument :
MSVOA_D
ClientSampleId :

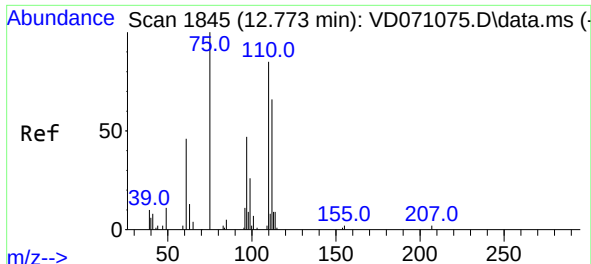
Tgt Ion:152 Resp: 330278
Ion Ratio Lower Upper
152 100
115 62.0 29.8 89.3
150 157.2 0.0 349.2



#74
N-ethyl acetate
Concen: 5.764 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

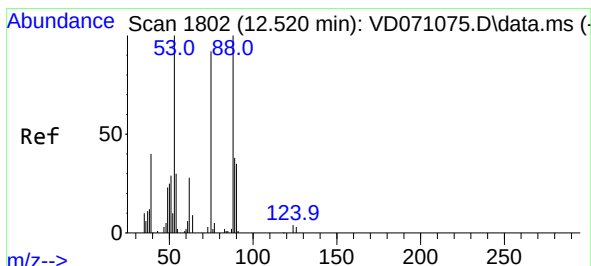
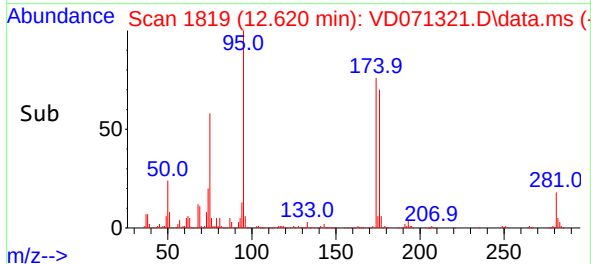
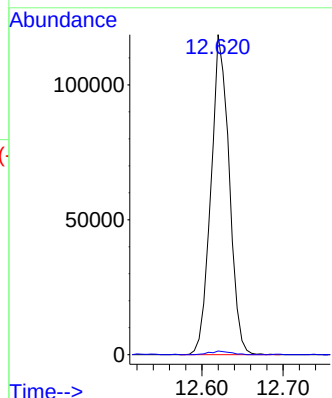
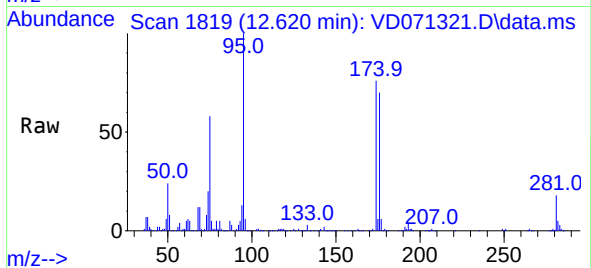




#76
1,2,3-Trichloropropane
Concen: 58.719 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 184773
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.254 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071321.D
Acq: 14 Dec 2021 15:28

Tgt Ion: 75 Resp: 184773
Ion Ratio Lower Upper
75 100
53 0.4 62.6 94.0#
89 0.3 34.5 51.7#

