

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071341.D
 Acq On : 15 Dec 2021 14:32
 Operator : VA/SY
 Sample : M5082-01
 Misc : 3.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:27:55 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)

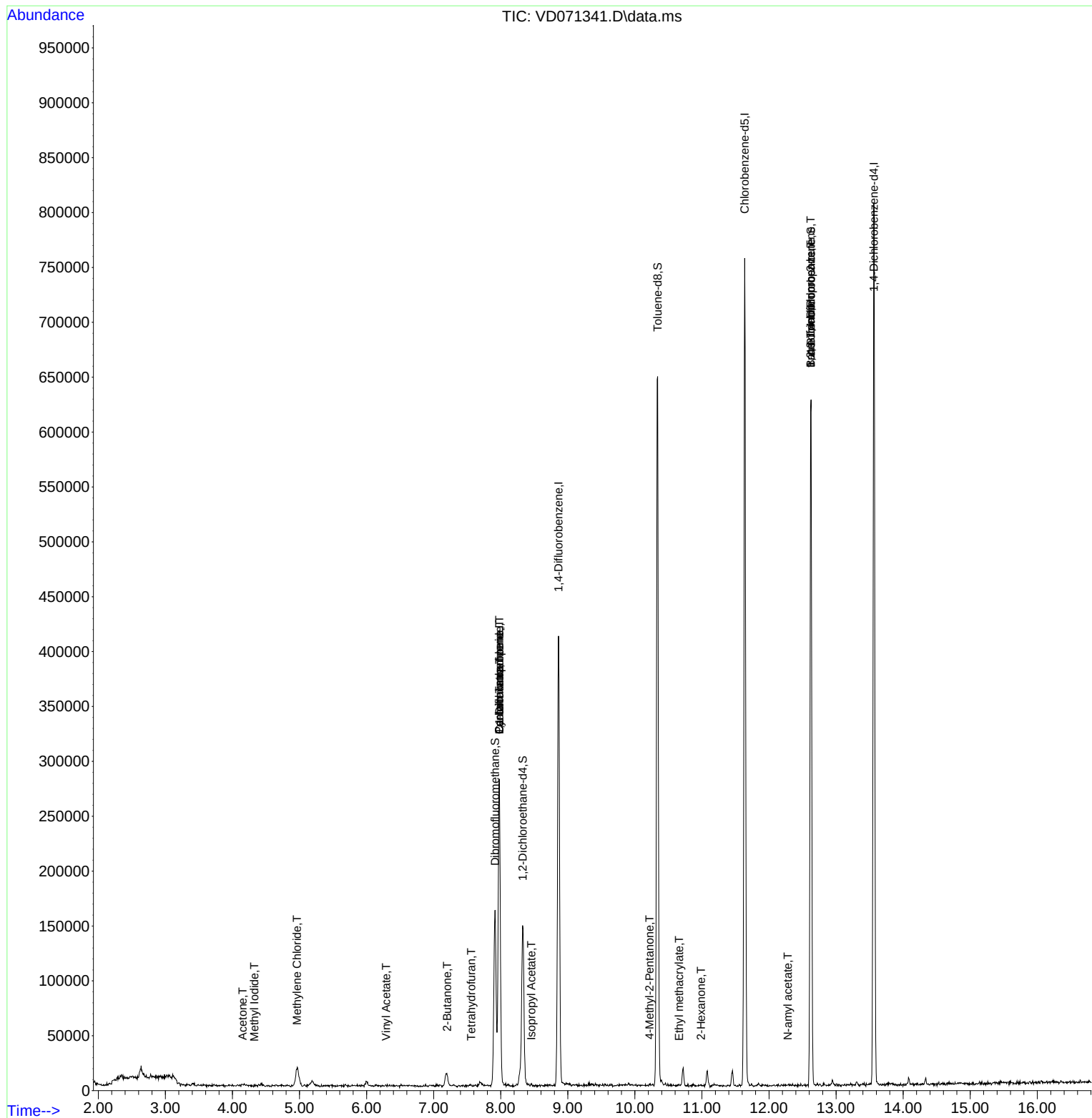
Internal Standards						
1) Pentafluorobenzene	7.979	168	189209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	330901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	395528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	199561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	117608	52.973	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.940%			
35) Dibromofluoromethane	7.914	113	109680	52.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.100%			
50) Toluene-d8	10.338	98	435286	54.283	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.560%			
62) 4-Bromofluorobenzene	12.626	95	194317	69.908	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 139.820%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.326	142	71	4.590	ug/l #	40
11) Tert butyl alcohol	5.203	59	4484	Below Cal	#	71
16) Acetone	4.150	43	1212	32.599	ug/l #	74
20) Methylene Chloride	4.962	84	12350	1.458	ug/l	89
23) Vinyl Acetate	6.291	43	74	27.237	ug/l #	72
25) 2-Butanone	7.203	43	495	29.004	ug/l #	45
29) Tetrahydrofuran	7.561	42	359	1.018	ug/l #	34
31) Cyclohexane	7.979	56	6035	1.598	ug/l #	52
36) 1,1-Dichloropropene	7.979	75	18881	6.105	ug/l #	41
38) Carbon Tetrachloride	7.979	117	21712	7.122	ug/l #	16
41) Methacrylonitrile	7.503	41	221	Below Cal	#	12
43) Isopropyl Acetate	8.456	43	81	5.248	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	337	30.848	ug/l #	34
56) Ethyl methacrylate	10.661	69	367	6.120	ug/l #	44
59) 2-Hexanone	10.985	43	136	34.677	ug/l	99
71) Bromoform	12.620	173	2318	1.670	ug/l #	1
74) N-amyl acetate	12.279	43	270	5.762	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	108017	56.811	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	108017	123.307	ug/l #	18

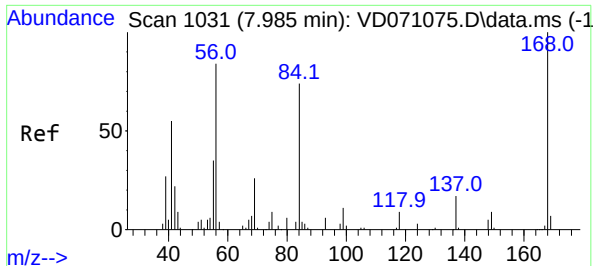
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 04:27:55 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

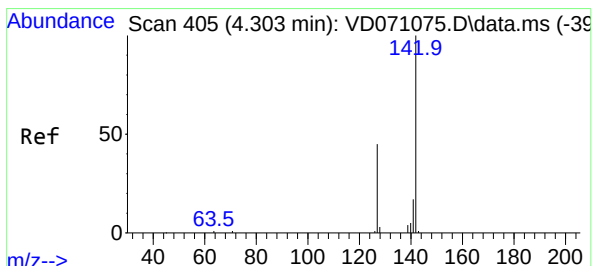
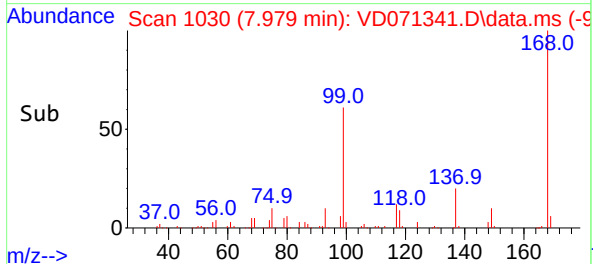
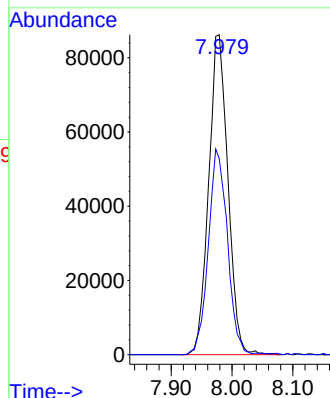
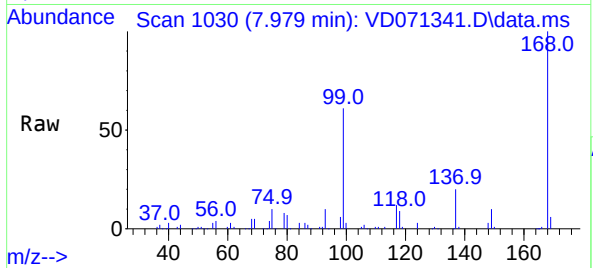




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

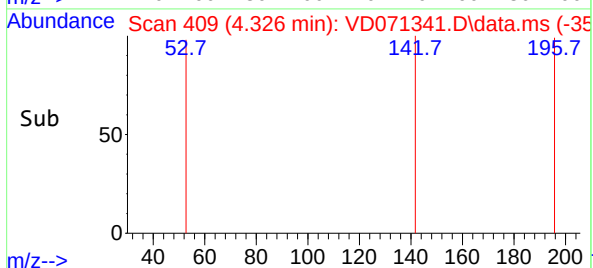
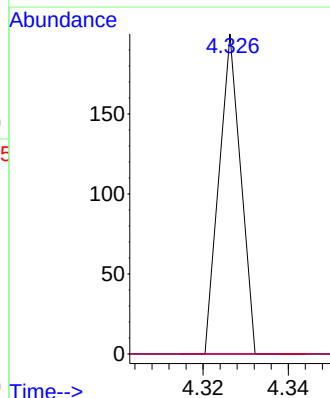
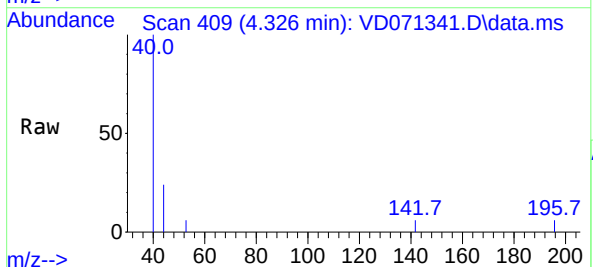
Instrument :
MSVOA_D
ClientSampleId :

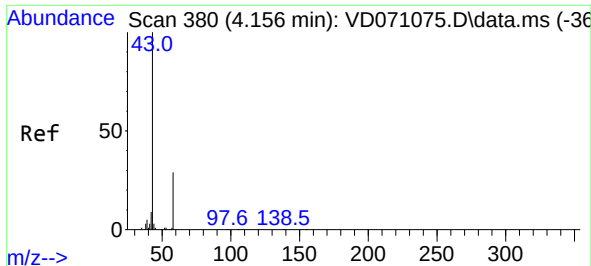
Tgt Ion:168 Resp: 189209
Ion Ratio Lower Upper
168 100
99 61.3 46.6 69.8



#10
Methyl Iodide
Concen: 4.590 ug/l
RT: 4.326 min Scan# 409
Delta R.T. 0.023 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

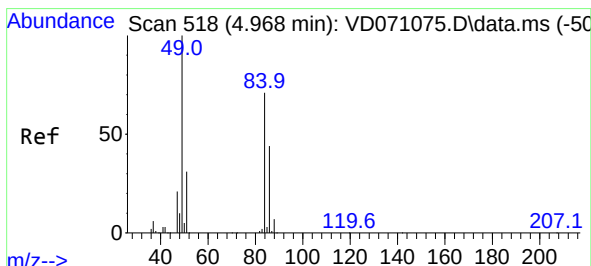
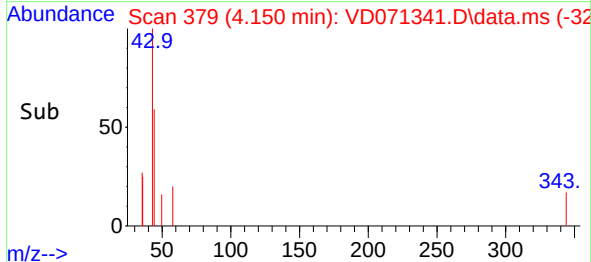
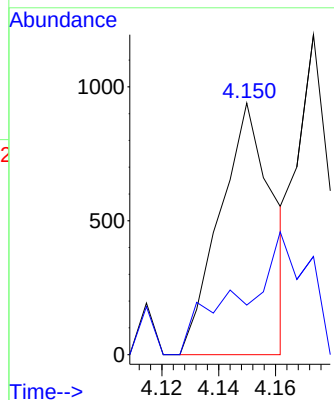
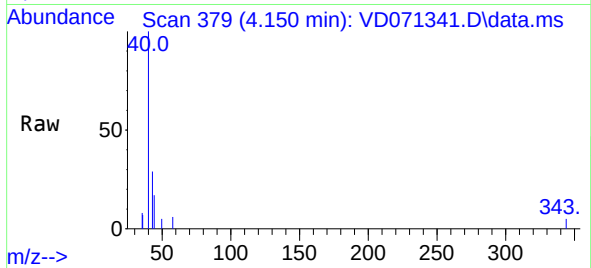




#16
Acetone
Concen: 32.599 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

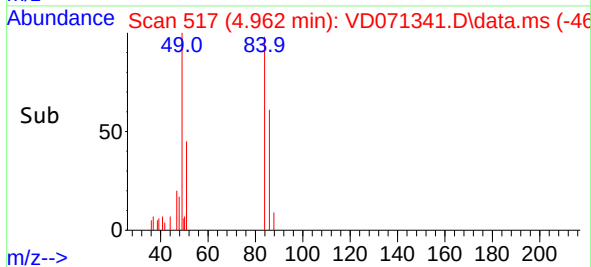
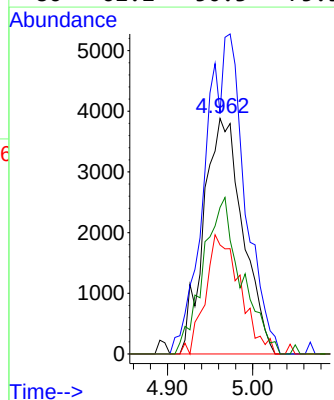
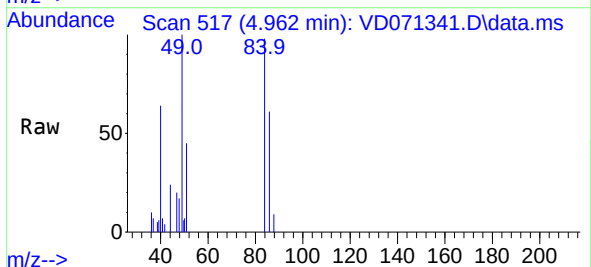
Instrument :
MSVOA_D
ClientSampleId :

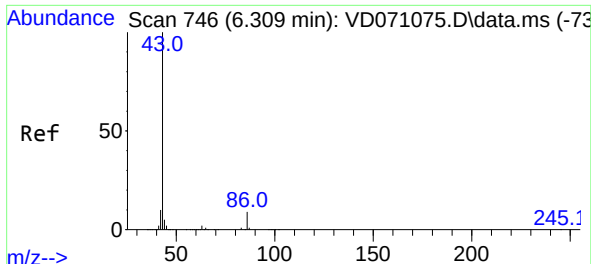
Tgt Ion: 43 Resp: 1212
Ion Ratio Lower Upper
43 100
58 19.7 27.8 41.8#



#20
Methylene Chloride
Concen: 1.458 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Tgt Ion: 84 Resp: 12350
Ion Ratio Lower Upper
84 100
49 102.1 95.8 143.6
51 46.2 30.9 46.3
86 62.2 50.3 75.5

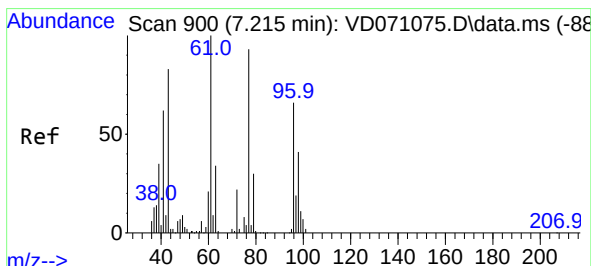
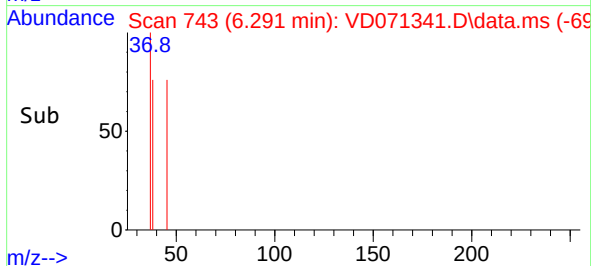
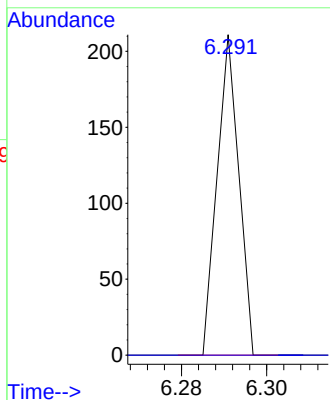
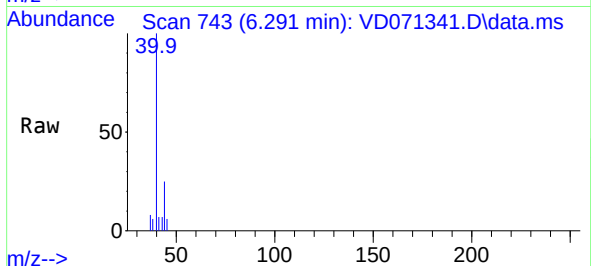




#23
 Vinyl Acetate
 Concen: 27.237 ug/l
 RT: 6.291 min Scan# 74
 Delta R.T. -0.018 min
 Lab File: VD071341.D
 Acq: 15 Dec 2021 14:32

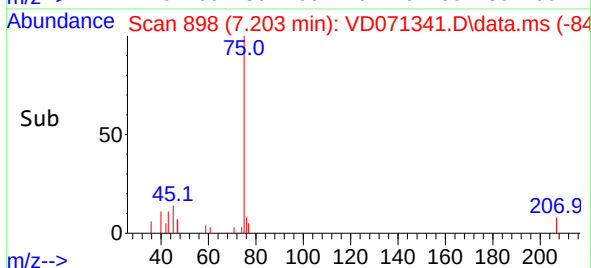
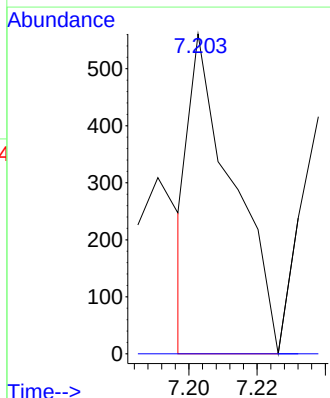
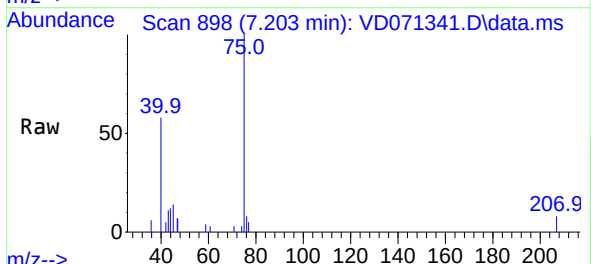
Instrument :
 MSVOA_D
 ClientSampleId :

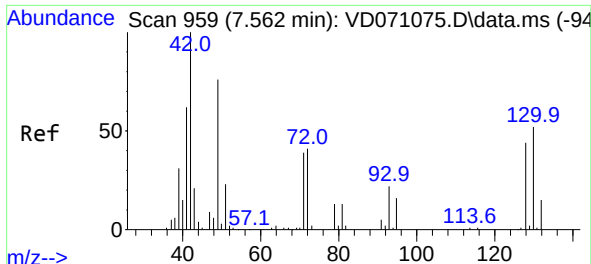
Tgt Ion: 43 Resp: 74
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.004 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD071341.D
 Acq: 15 Dec 2021 14:32

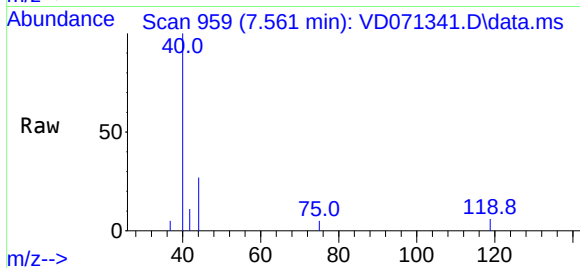
Tgt Ion: 43 Resp: 495
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



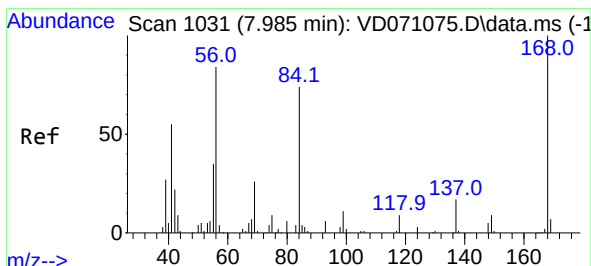
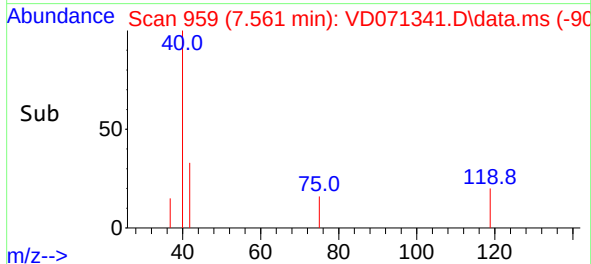
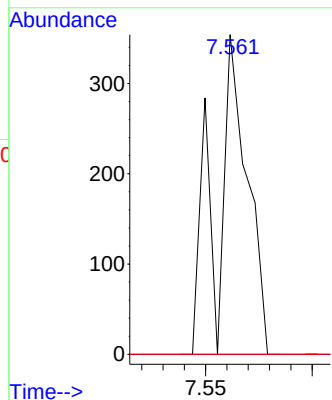


#29
Tetrahydrofuran
Concen: 1.018 ug/l
RT: 7.561 min Scan# 91
Delta R.T. -0.001 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

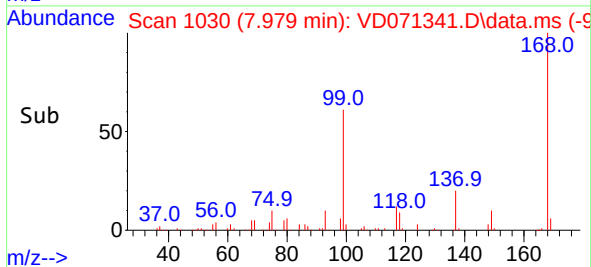
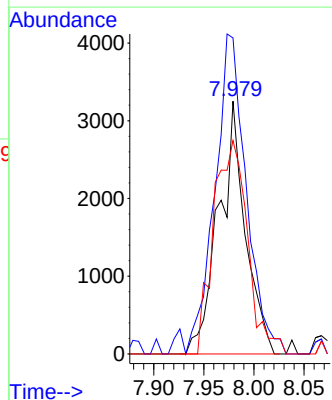
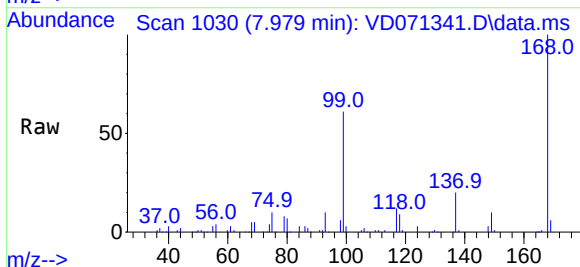


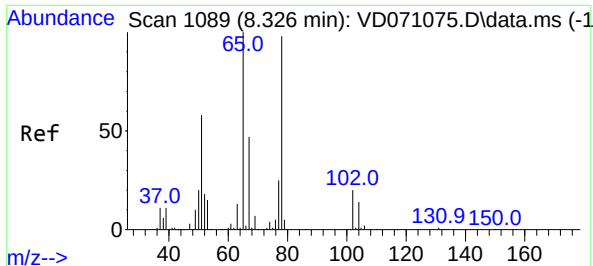
Tgt Ion: 42 Resp: 359
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



#31
Cyclohexane
Concen: 1.598 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Tgt Ion: 56 Resp: 6035
Ion Ratio Lower Upper
56 100
69 119.0 25.9 38.9#
84 84.4 64.3 96.5

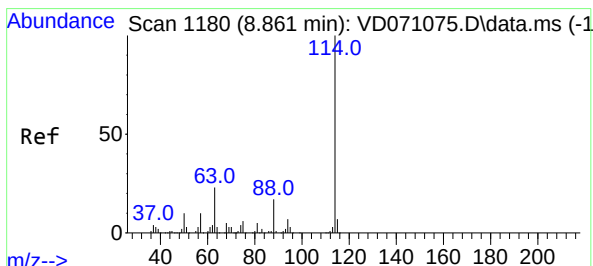
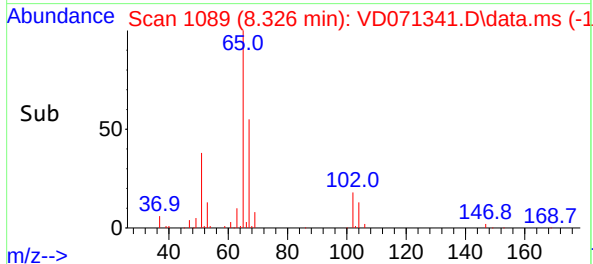
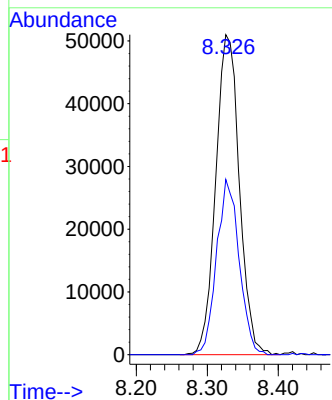
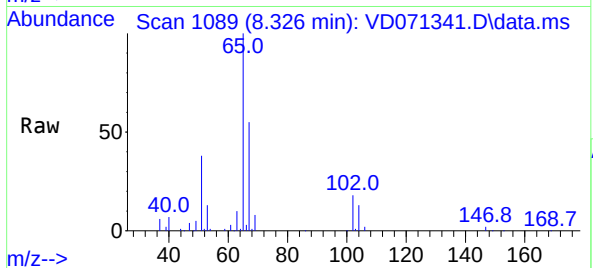




#33
1,2-Dichloroethane-d4
Concen: 52.973 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

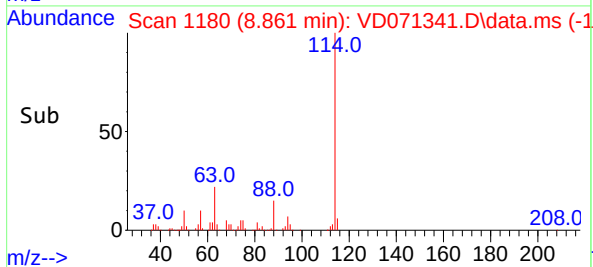
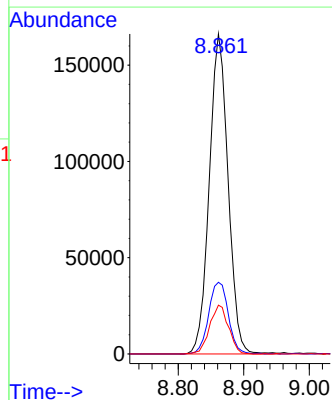
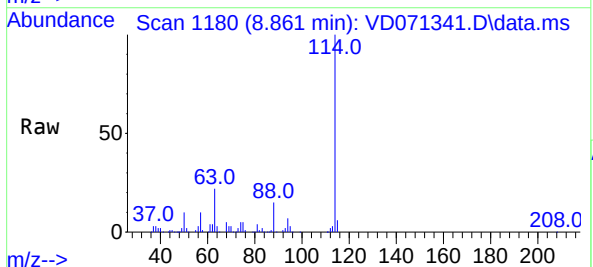
Instrument :
MSVOA_D
ClientSampleId :

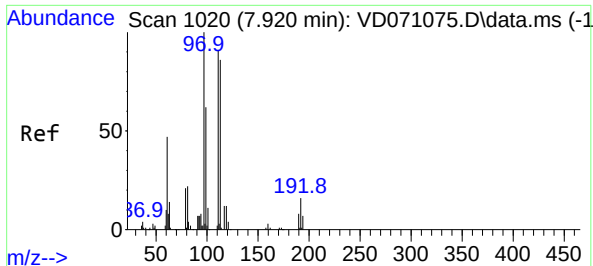
Tgt Ion: 65 Resp: 117608
Ion Ratio Lower Upper
65 100
67 52.2 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Tgt Ion:114 Resp: 330901
Ion Ratio Lower Upper
114 100
63 22.4 0.0 41.8
88 15.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.052 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071341.D

Acq: 15 Dec 2021 14:32

Instrument :

MSVOA_D

ClientSampleId :

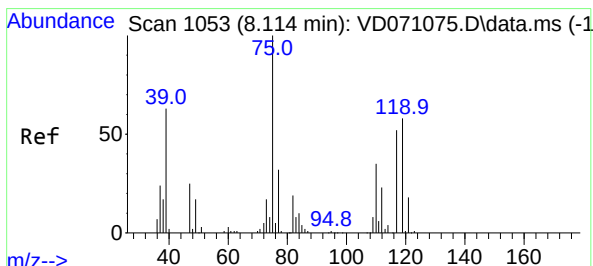
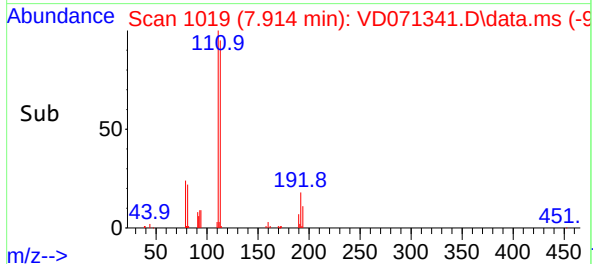
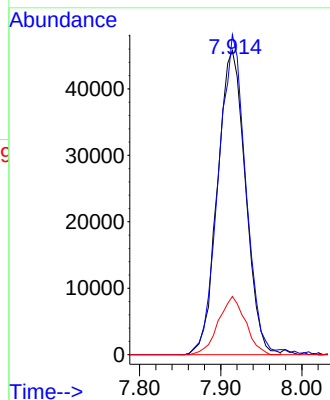
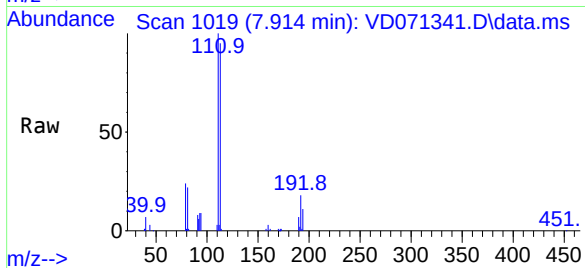
Tgt Ion:113 Resp: 109680

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 18.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 6.105 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071341.D

Acq: 15 Dec 2021 14:32

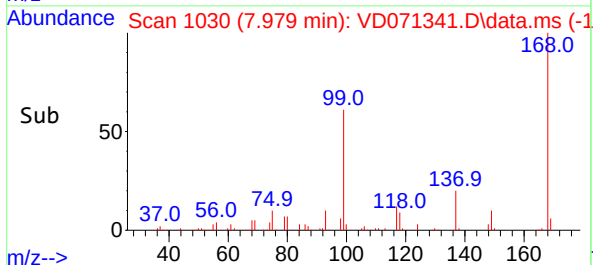
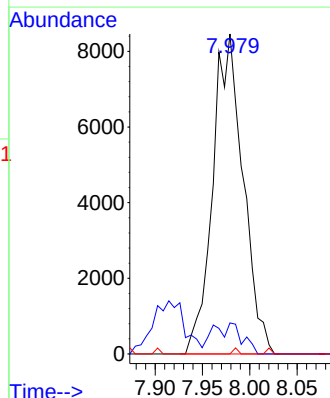
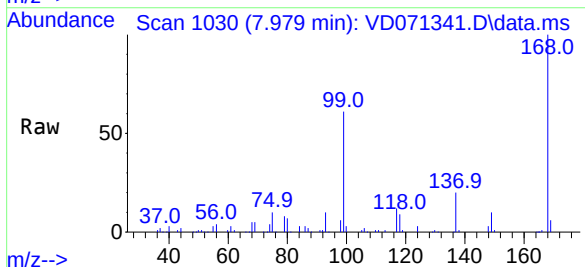
Tgt Ion: 75 Resp: 18881

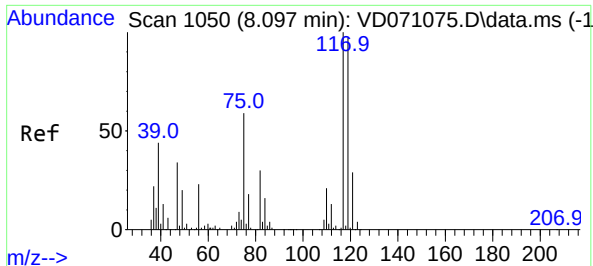
Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

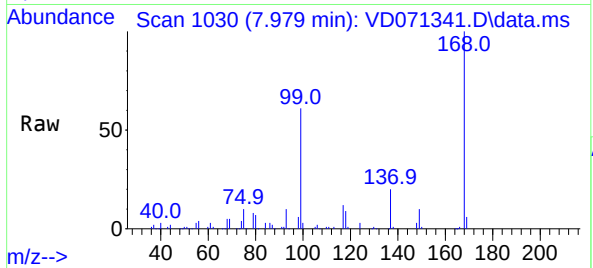
77 0.3 24.8 37.2#



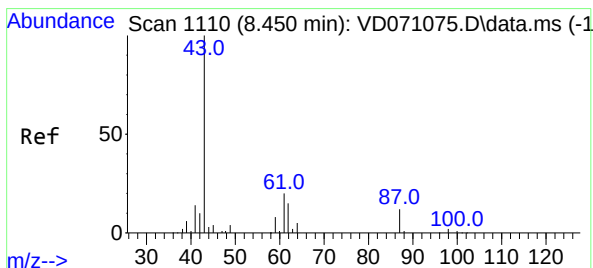
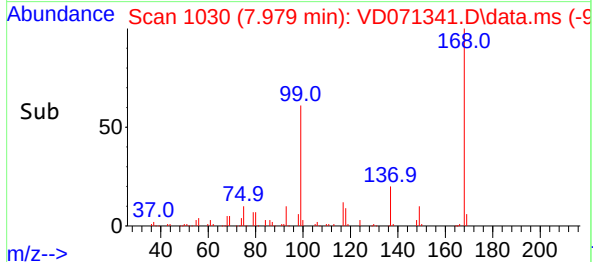
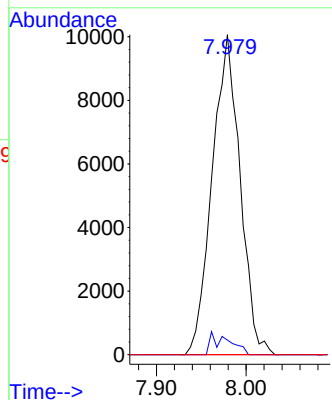


#38
Carbon Tetrachloride
Concen: 7.122 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :

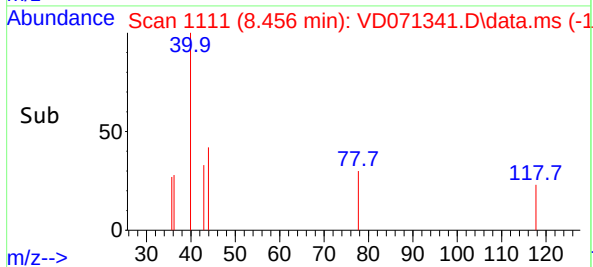
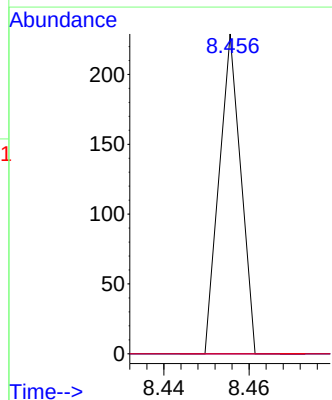
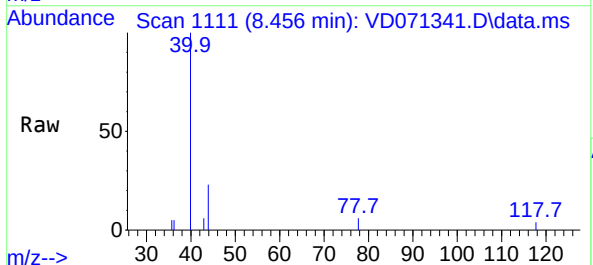


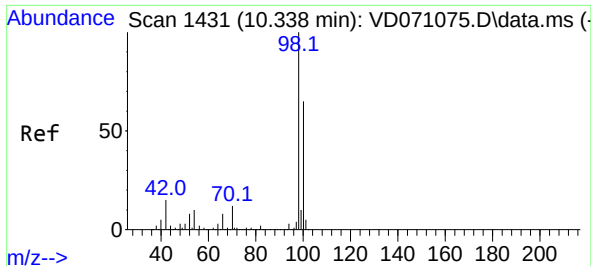
Tgt Ion:117 Resp: 21712
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.248 ug/l
RT: 8.456 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

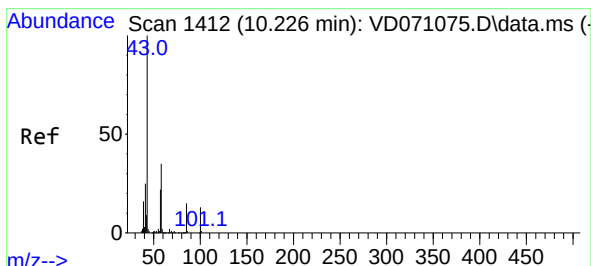
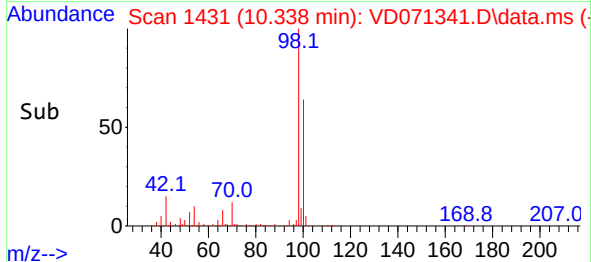
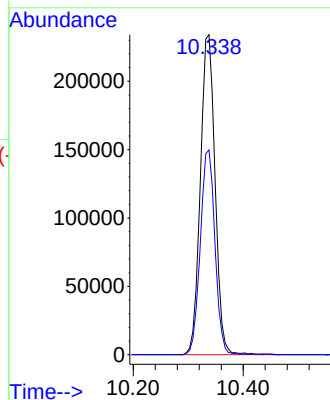
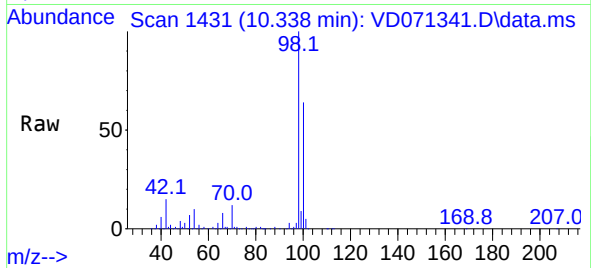




#50
Toluene-d8
Concen: 54.283 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

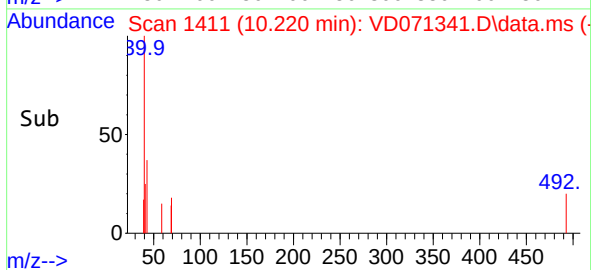
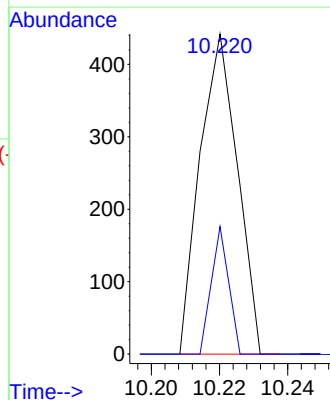
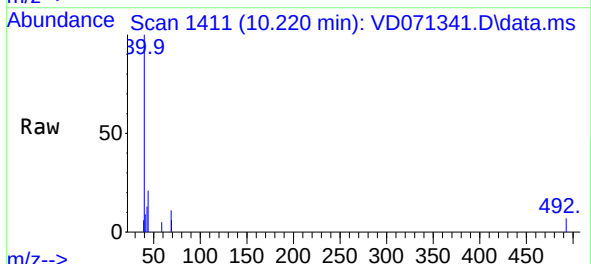
Instrument :
MSVOA_D
ClientSampleId :

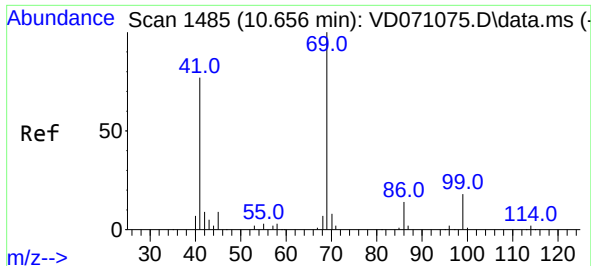
Tgt Ion: 98 Resp: 435286
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.848 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Tgt Ion: 43 Resp: 337
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

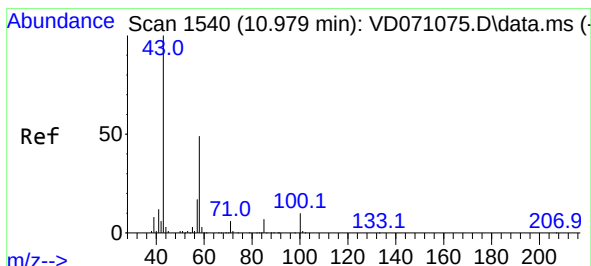
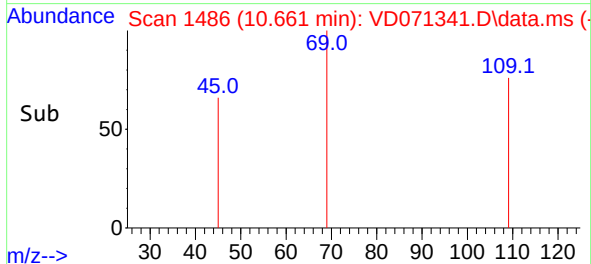
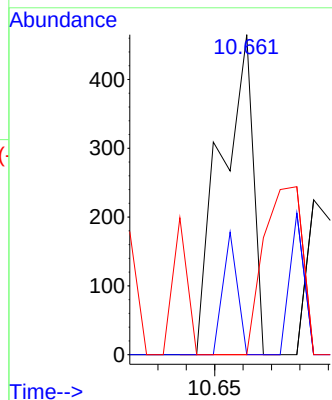
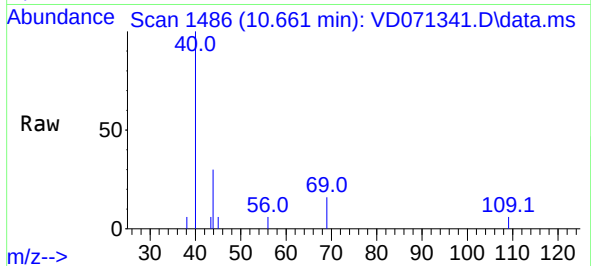




#56
Ethyl methacrylate
Concen: 6.120 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.005 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

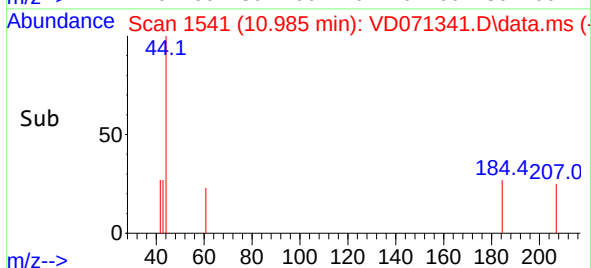
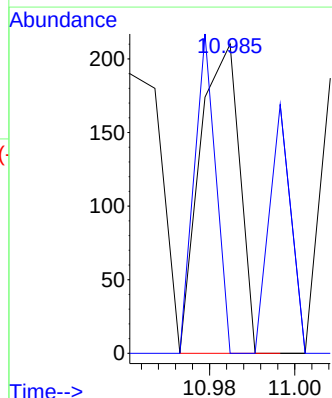
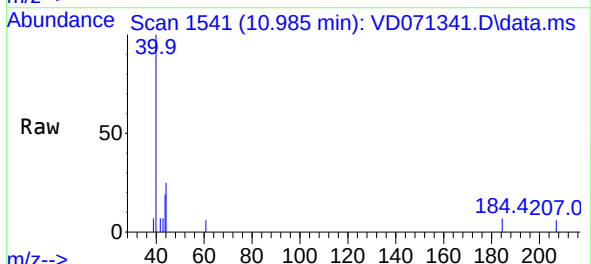
Instrument :
MSVOA_D
ClientSampleId :

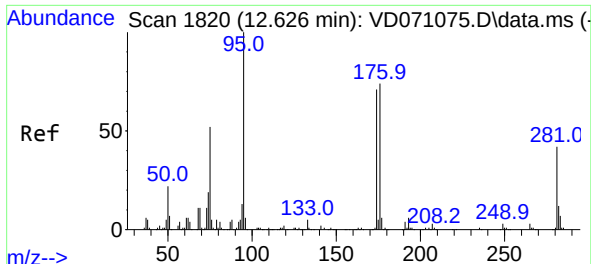
Tgt Ion: 69 Resp: 367
Ion Ratio Lower Upper
69 100
41 17.2 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.677 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
58 56.6 28.7 86.1

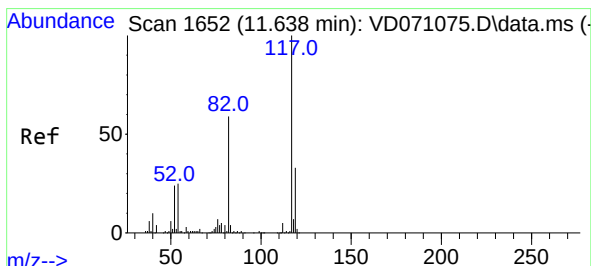
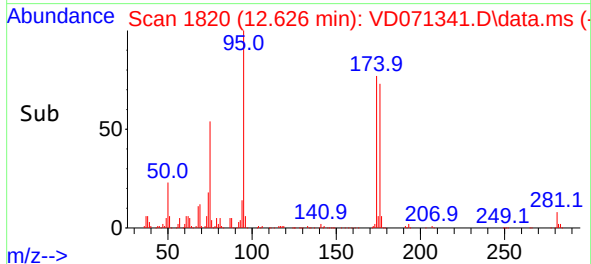
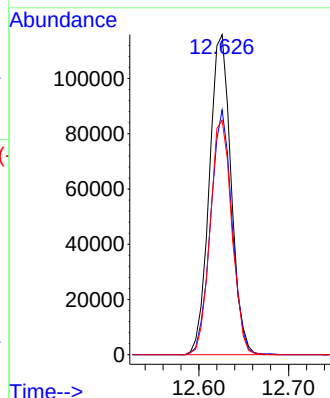
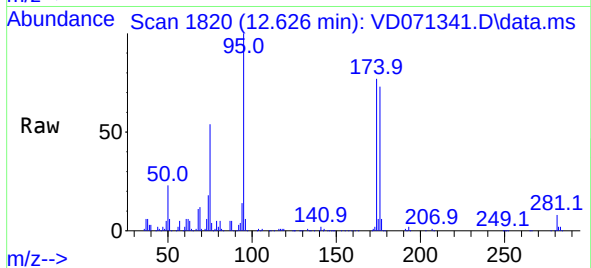




#62
4-Bromofluorobenzene
Concen: 69.908 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

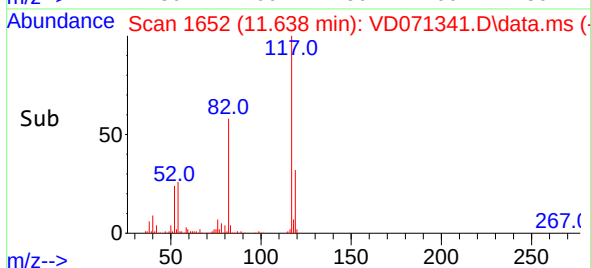
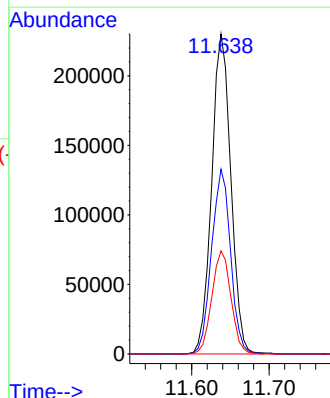
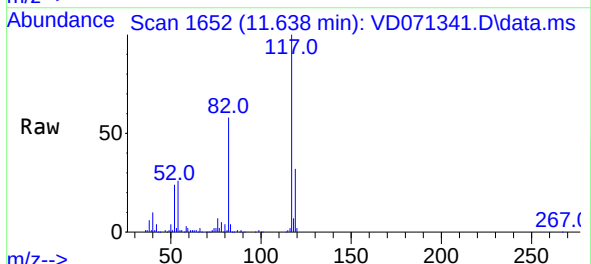
Instrument :
MSVOA_D
ClientSampleId :

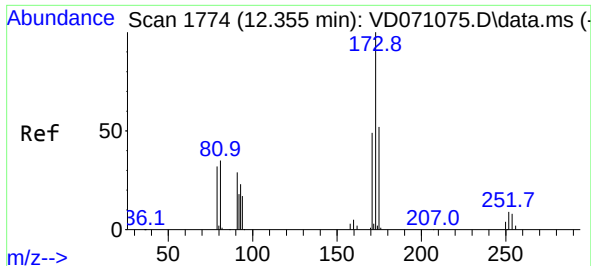
Tgt Ion: 95 Resp: 194317
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 73.4 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Tgt Ion: 117 Resp: 395528
Ion Ratio Lower Upper
117 100
82 57.7 44.7 67.1
119 32.2 26.2 39.4

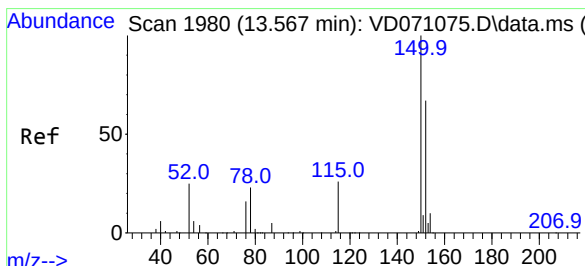
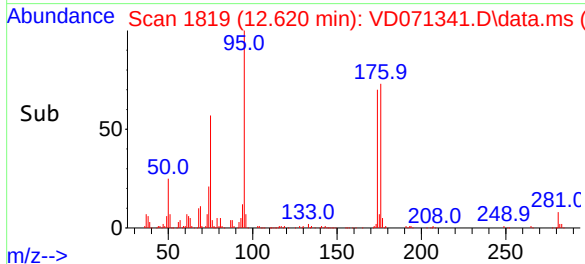
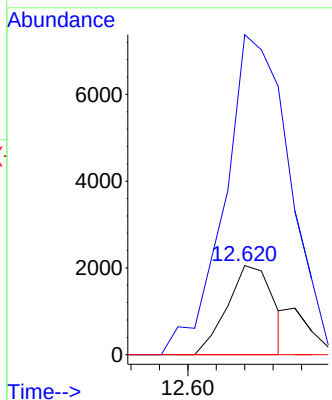
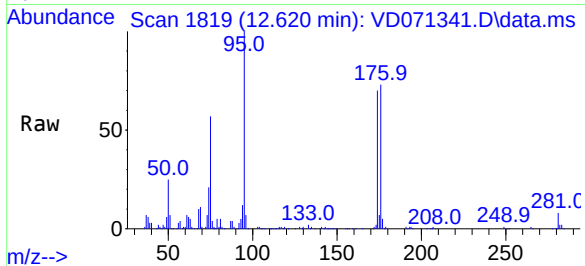




#71
Bromoform
Concen: 1.670 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

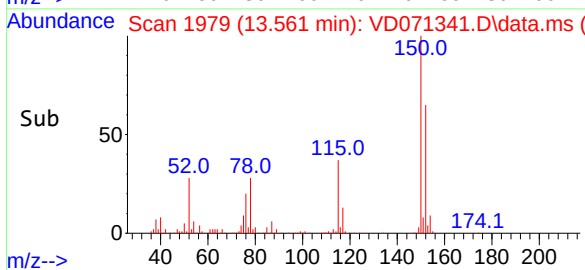
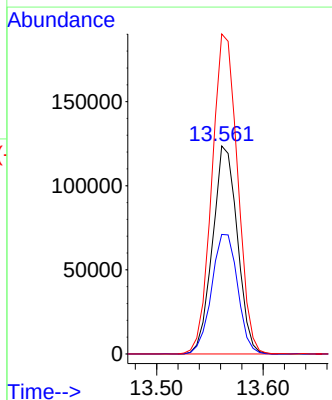
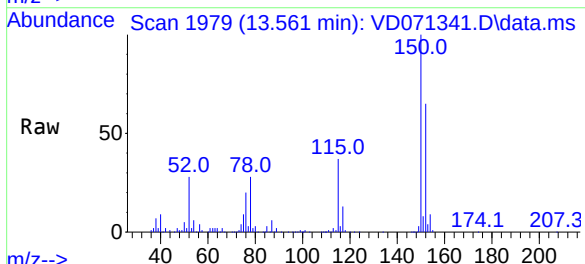
Instrument :
MSVOA_D
ClientSampleId :

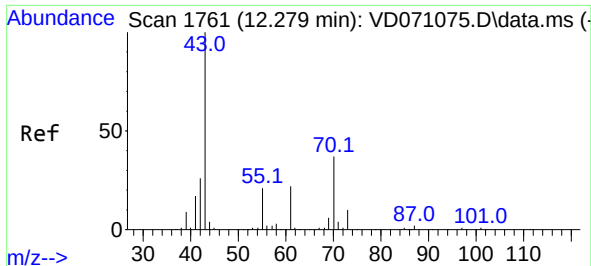
Tgt Ion:173 Resp: 2318
Ion Ratio Lower Upper
173 100
175 423.8 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

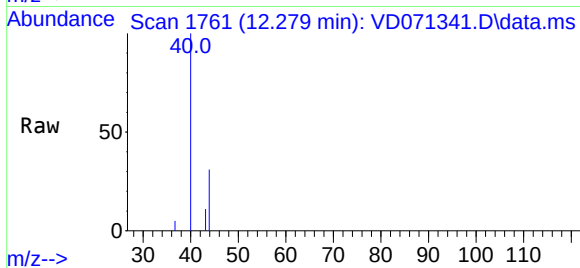
Tgt Ion:152 Resp: 199561
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 159.4 0.0 349.2





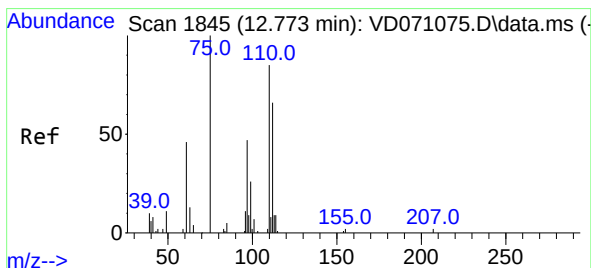
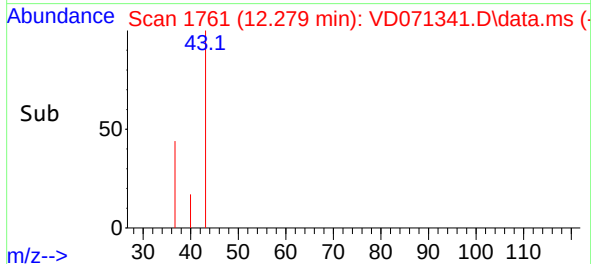
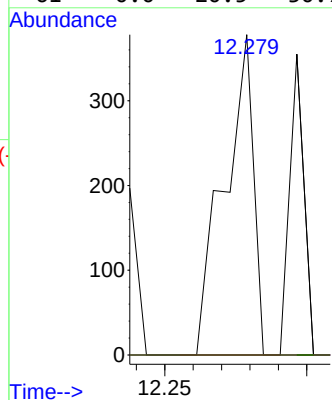
#74
N-amy1 acetate
Concen: 5.762 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 270

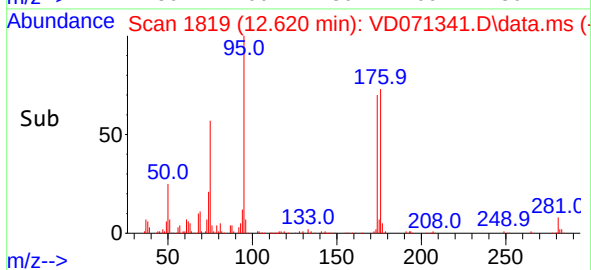
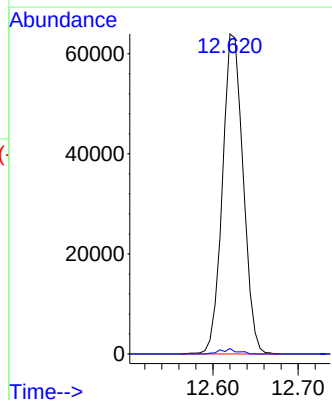
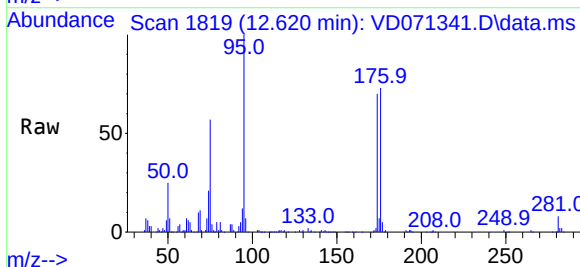
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#

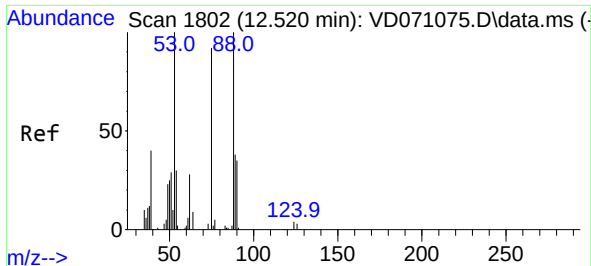


#76
1,2,3-Trichloropropane
Concen: 56.811 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Tgt Ion: 75 Resp: 108017

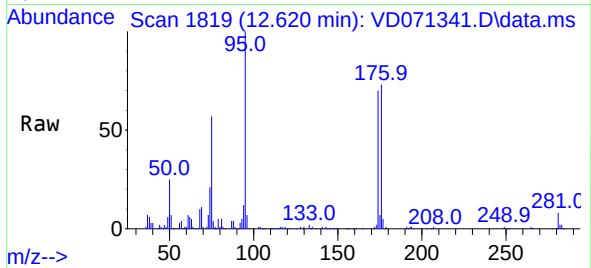
Ion	Ratio	Lower	Upper
75	100		
77	1.3	158.4	475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 123.307 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071341.D
Acq: 15 Dec 2021 14:32

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 108017
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.4 34.5 51.7#

