

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071352.D
 Acq On : 15 Dec 2021 19:42
 Operator : VA/SY
 Sample : M5089-09
 Misc : 6.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:31:53 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)

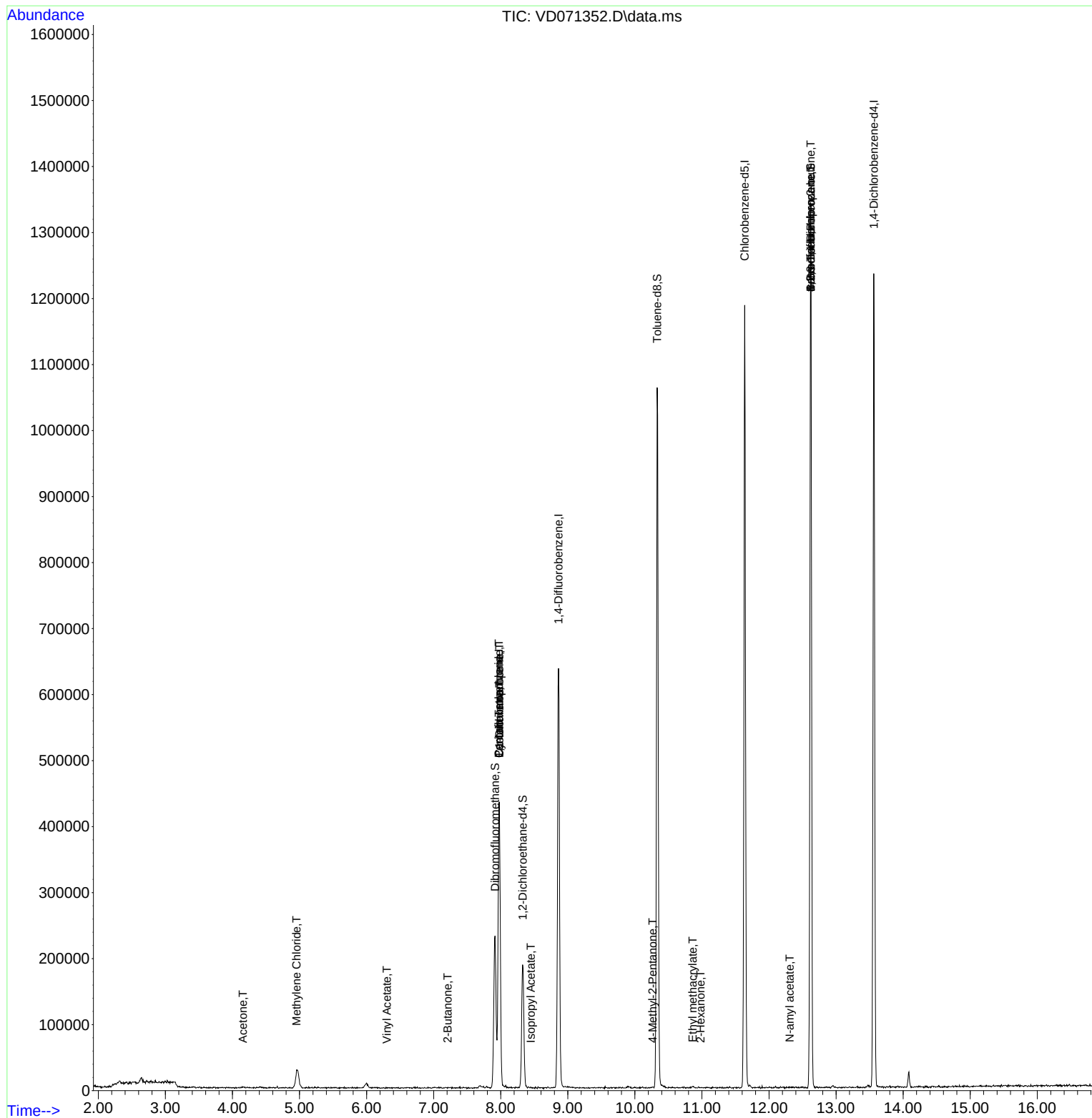
Internal Standards						
1) Pentafluorobenzene	7.973	168	307577	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	511660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	592766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	293849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	151518	41.983	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.960%		
35) Dibromofluoromethane	7.914	113	160604	49.292	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.580%		
50) Toluene-d8	10.332	98	678100	54.689	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	109.380%		
62) 4-Bromofluorobenzene	12.620	95	301639	70.181	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	140.360%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.162	59	54	Below Cal	#	71
16) Acetone	4.156	43	861	31.584	ug/l #	40
20) Methylene Chloride	4.956	84	21210	1.798	ug/l #	88
23) Vinyl Acetate	6.303	43	273	27.260	ug/l #	72
25) 2-Butanone	7.209	43	88	28.430	ug/l #	45
31) Cyclohexane	7.979	56	9022	1.470	ug/l #	39
36) 1,1-Dichloropropene	7.979	75	28667	5.995	ug/l #	51
38) Carbon Tetrachloride	7.973	117	32281	6.848	ug/l #	18
41) Methacrylonitrile	7.509	41	77	Below Cal	#	44
43) Isopropyl Acetate	8.450	43	78	5.238	ug/l #	47
51) 4-Methyl-2-Pentanone	10.267	43	219	30.734	ug/l #	34
56) Ethyl methacrylate	10.861	69	136	6.006	ug/l #	1
59) 2-Hexanone	10.979	43	64	34.605	ug/l #	22
71) Bromoform	12.620	173	3282	1.578	ug/l #	1
74) N-amyl acetate	12.308	43	61	5.710	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	173680	62.036	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	173680	134.117	ug/l #	19

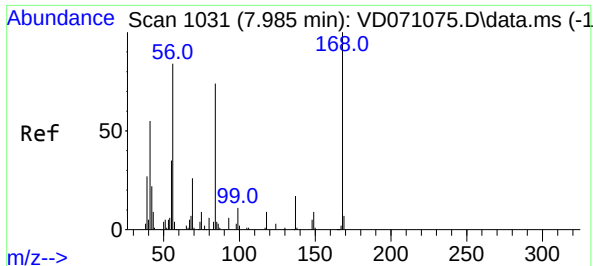
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 04:31:53 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

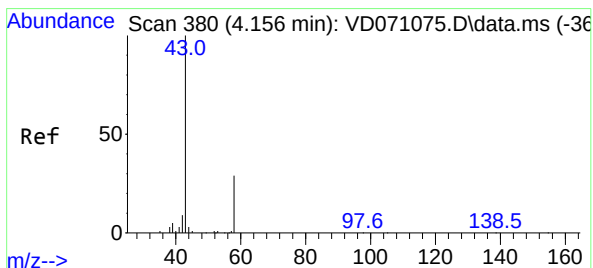
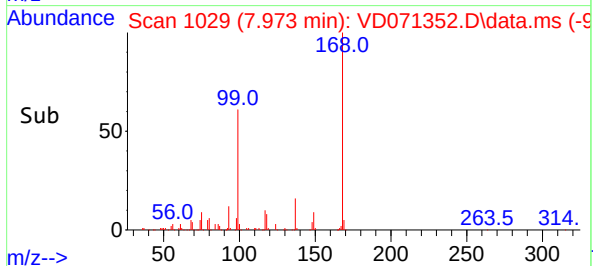
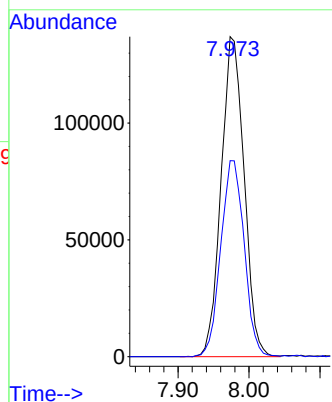
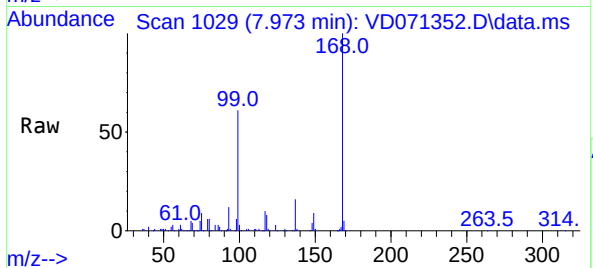




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

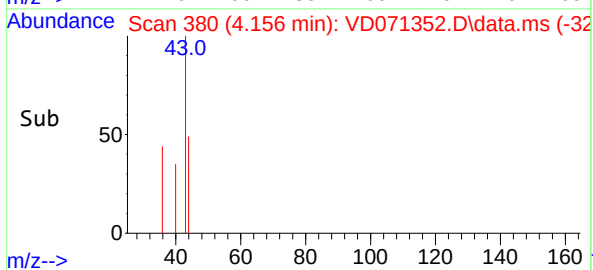
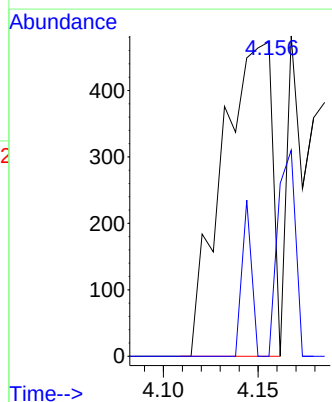
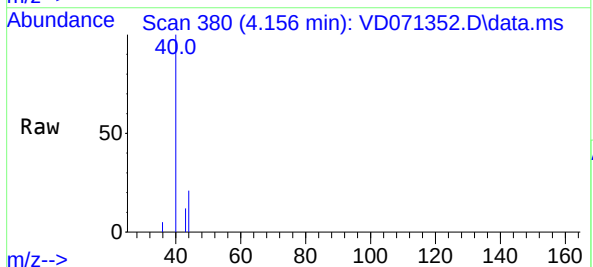
Instrument :
MSVOA_D
ClientSampleId :

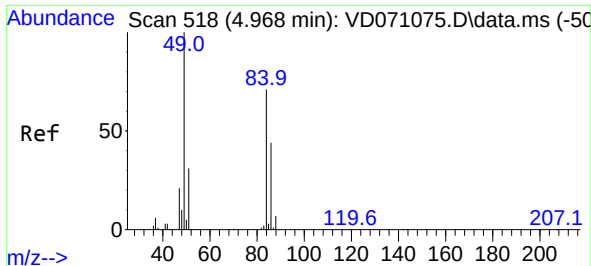
Tgt Ion:168 Resp: 307577
Ion Ratio Lower Upper
168 100
99 61.3 46.6 69.8



#16
Acetone
Concen: 31.584 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

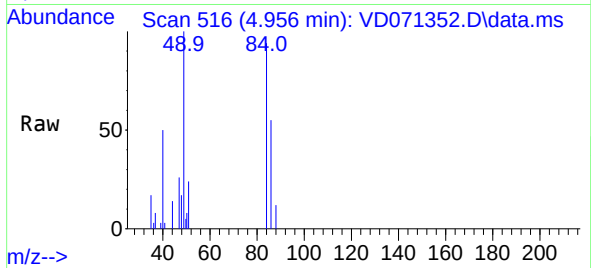
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



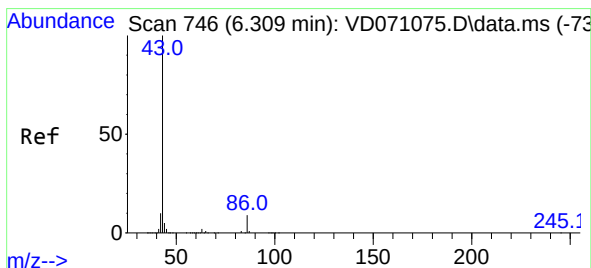
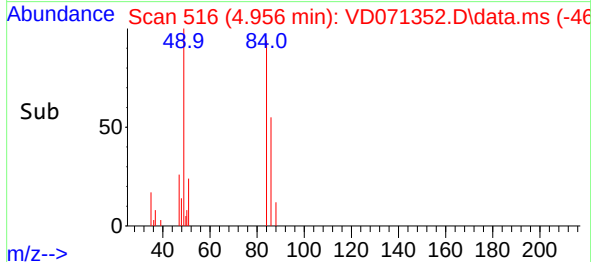
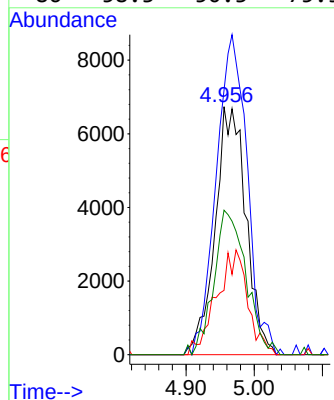


#20
Methylene Chloride
Concen: 1.798 ug/l
RT: 4.956 min Scan# 518
Delta R.T. -0.012 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :

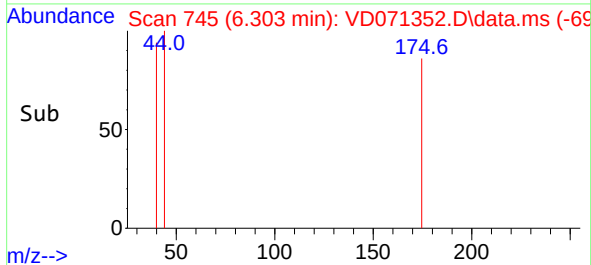
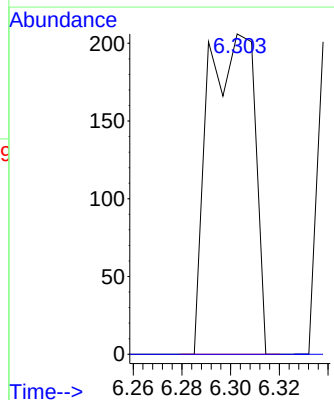
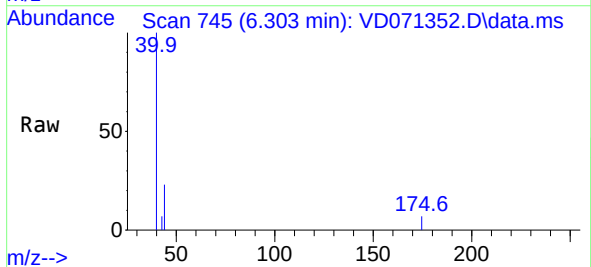


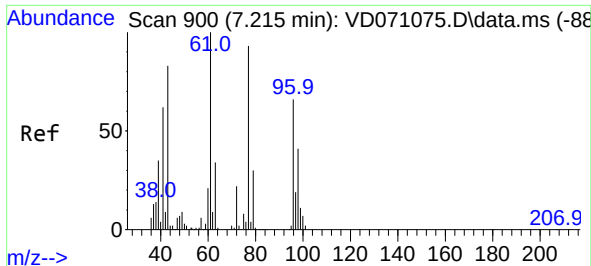
Tgt Ion: 84 Resp: 21210
Ion Ratio Lower Upper
84 100
49 106.6 95.8 143.6
51 25.9 30.9 46.3#
86 58.3 50.3 75.5



#23
Vinyl Acetate
Concen: 27.260 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.006 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

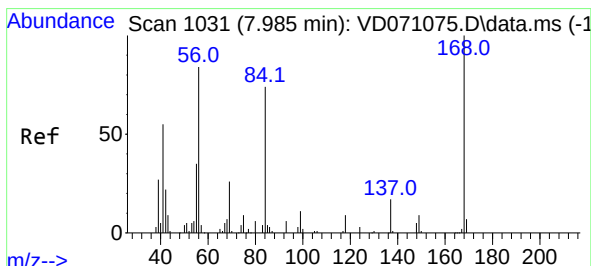
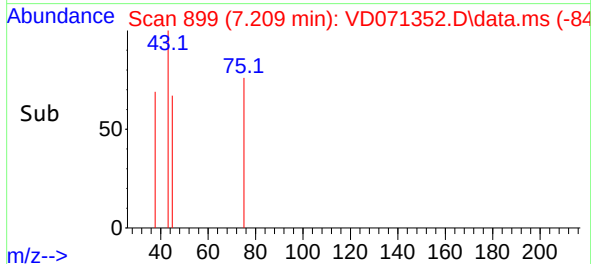
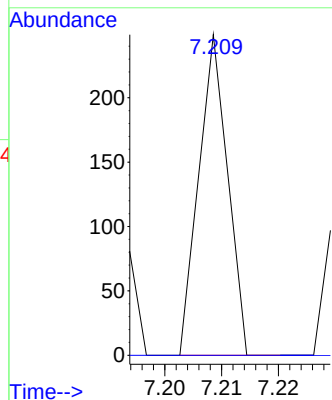
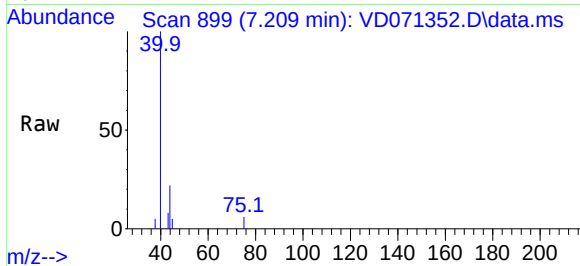




#25
2-Butanone
Concen: 28.430 ug/l
RT: 7.209 min Scan# 89
Delta R.T. -0.006 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

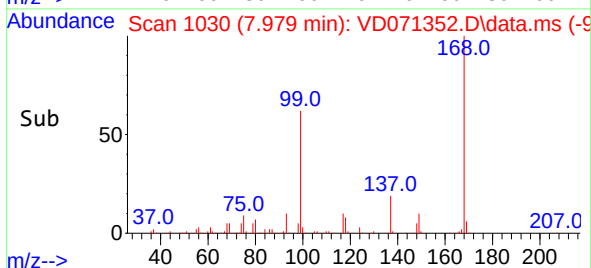
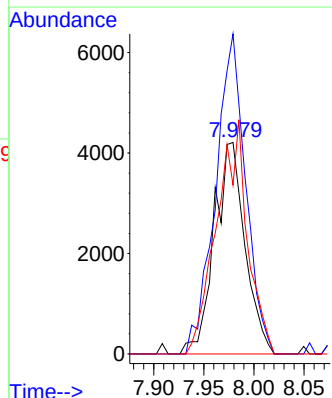
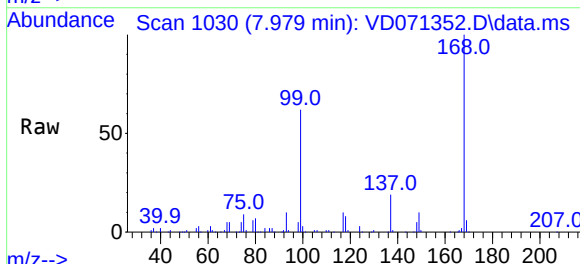
Instrument :
MSVOA_D
ClientSampleId :

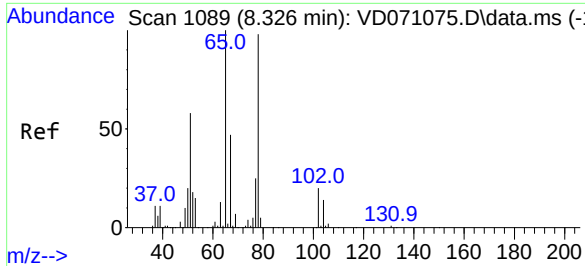
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.470 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Tgt Ion: 56 Resp: 9022
Ion Ratio Lower Upper
56 100
69 151.2 25.9 38.9#
84 79.8 64.3 96.5

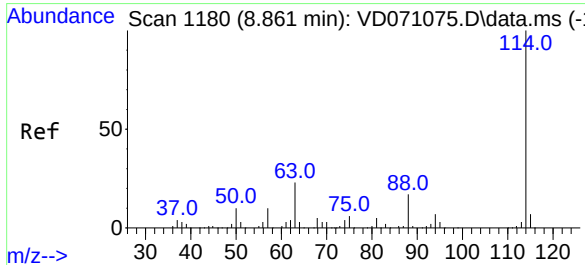
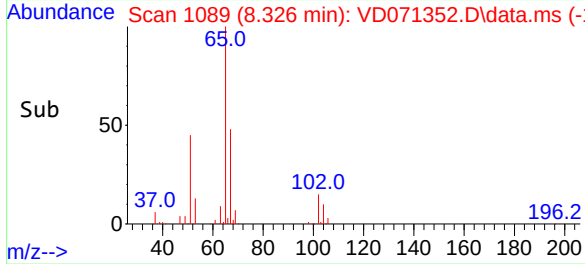
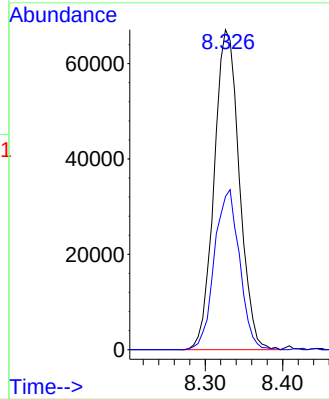
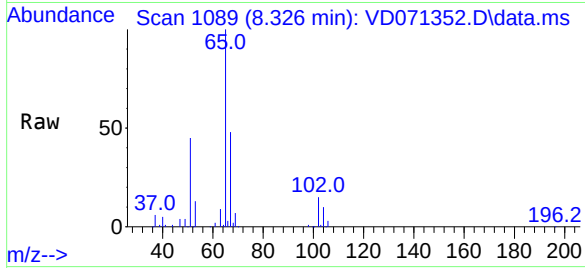




#33
1,2-Dichloroethane-d4
Concen: 41.983 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

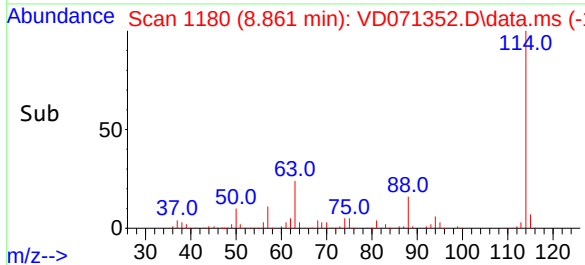
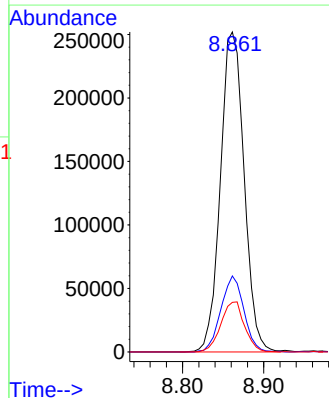
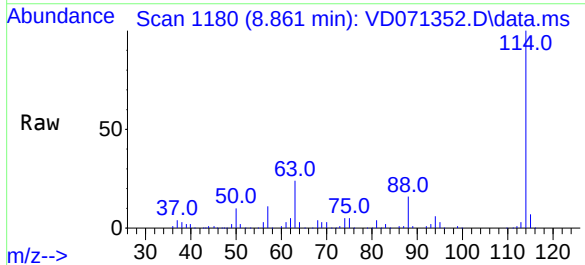
Instrument :
MSVOA_D
ClientSampleId :

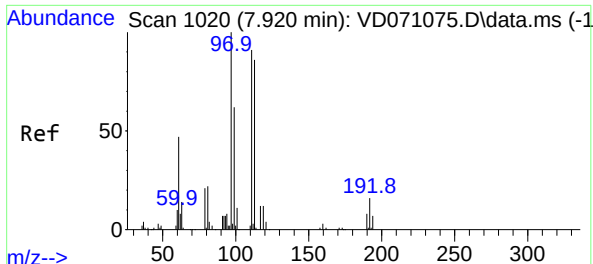
Tgt Ion: 65 Resp: 151518
Ion Ratio Lower Upper
65 100
67 49.9 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Tgt Ion: 114 Resp: 511660
Ion Ratio Lower Upper
114 100
63 23.8 0.0 41.8
88 15.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.292 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071352.D

Acq: 15 Dec 2021 19:42

Instrument :

MSVOA_D

ClientSampleId :

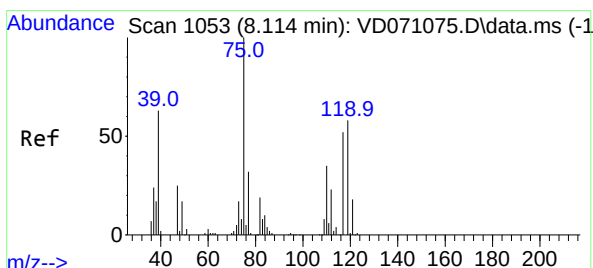
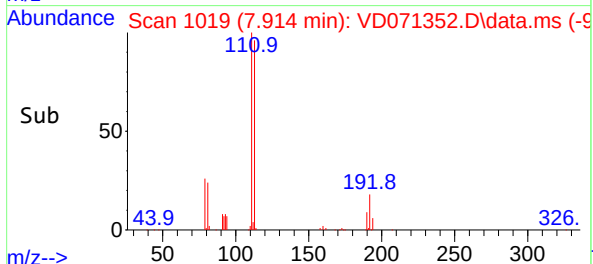
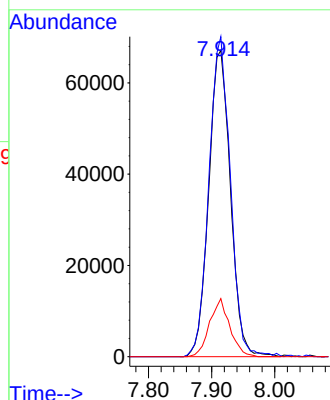
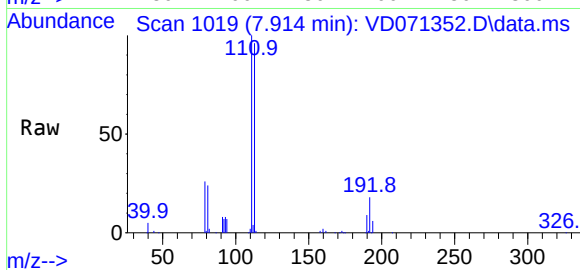
Tgt Ion:113 Resp: 160604

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 17.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.995 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071352.D

Acq: 15 Dec 2021 19:42

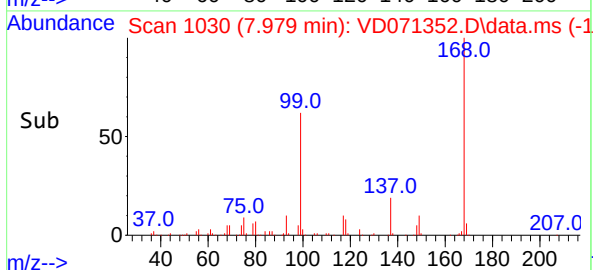
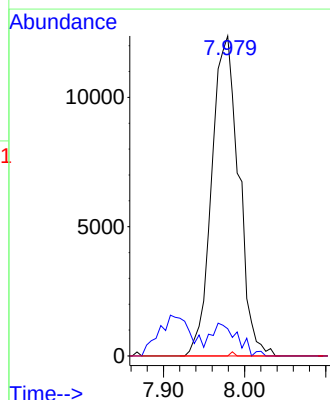
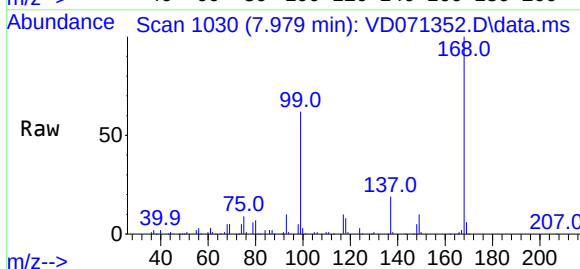
Tgt Ion: 75 Resp: 28667

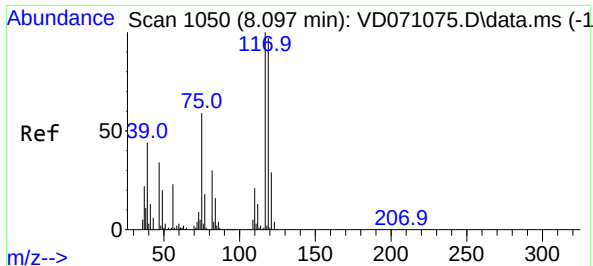
Ion Ratio Lower Upper

75 100

110 10.0 17.8 53.4#

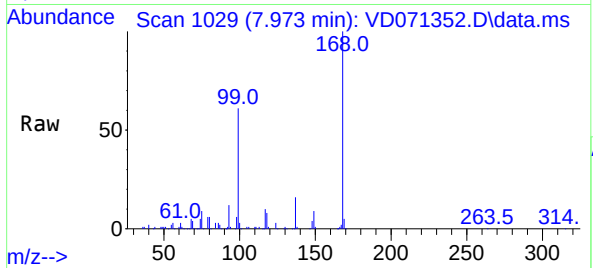
77 0.2 24.8 37.2#



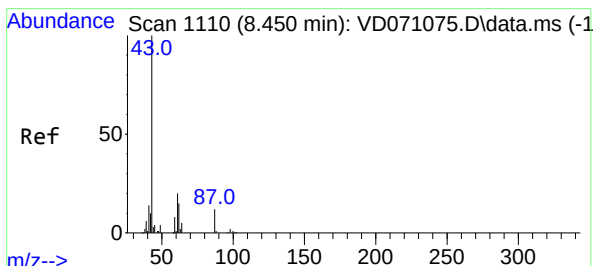
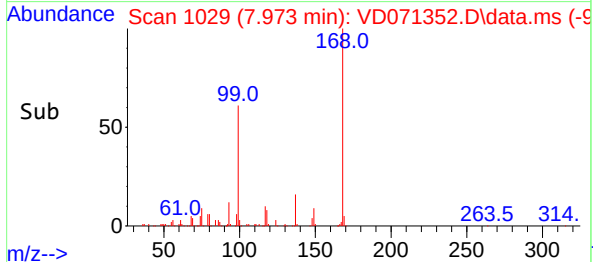
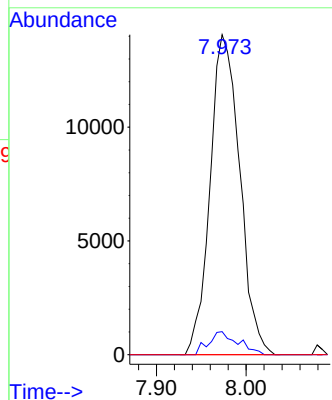


#38
Carbon Tetrachloride
Concen: 6.848 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :

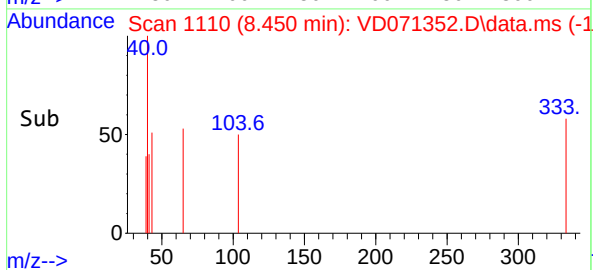
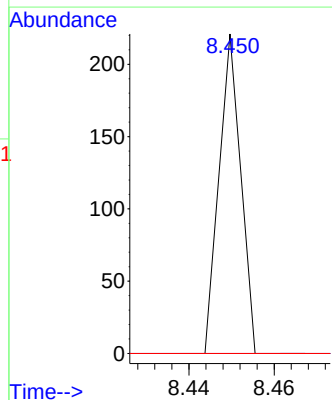
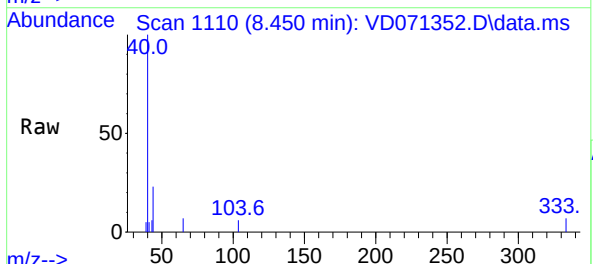


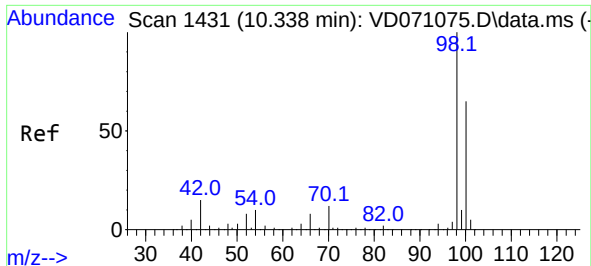
Tgt Ion:117 Resp: 32281
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.238 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

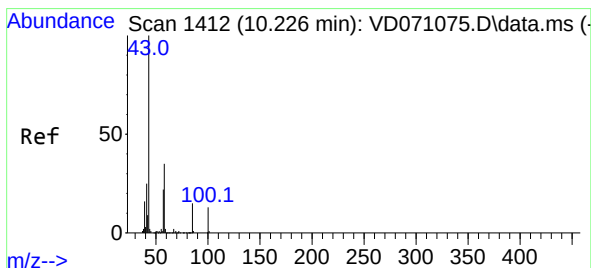
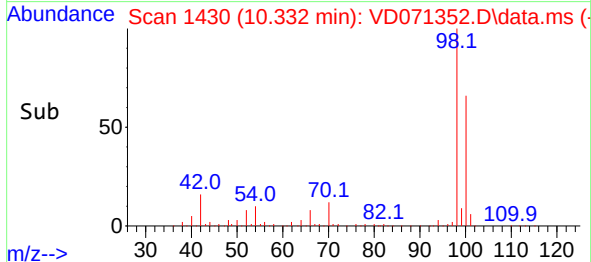
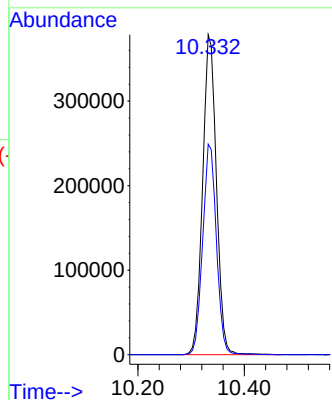
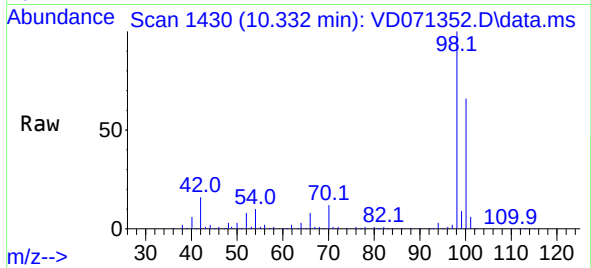




#50
Toluene-d8
Concen: 54.689 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

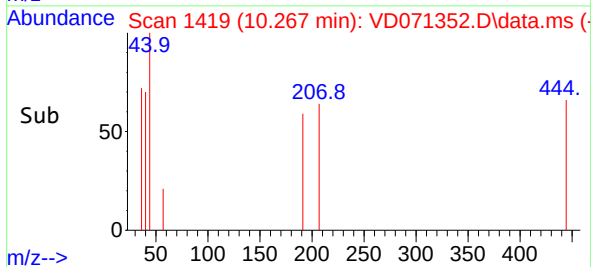
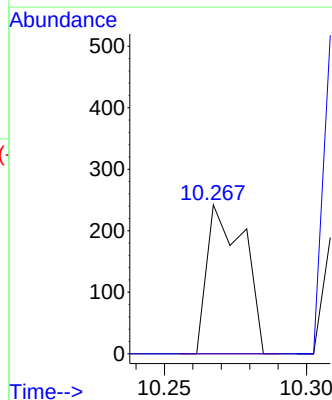
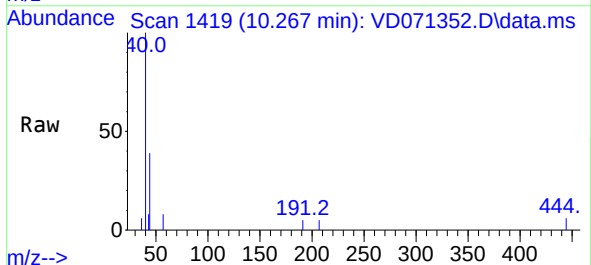
Instrument :
MSVOA_D
ClientSampleId :

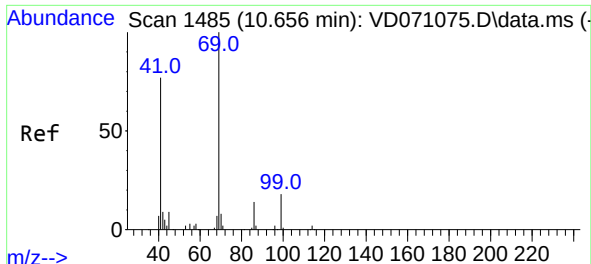
Tgt Ion: 98 Resp: 678100
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.734 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

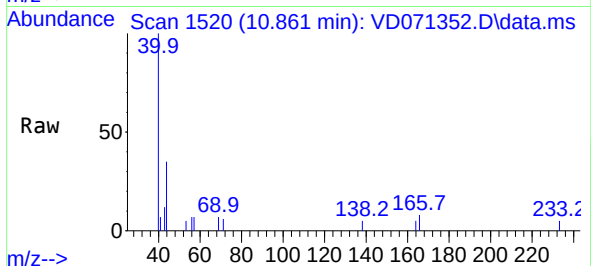
Tgt Ion: 43 Resp: 219
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



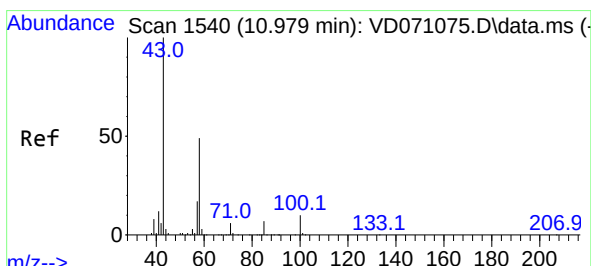
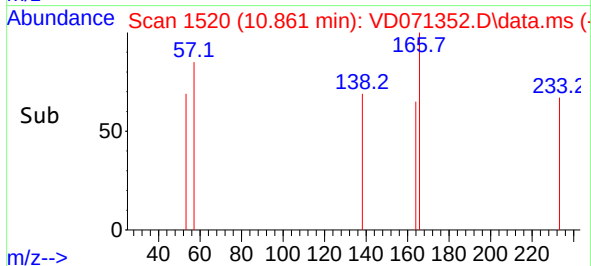
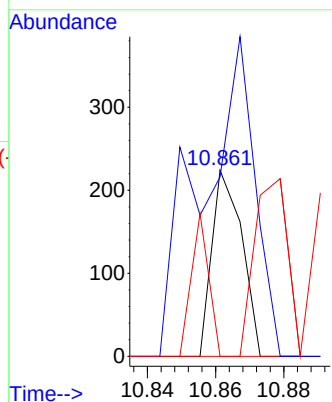


#56
Ethyl methacrylate
Concen: 6.006 ug/l
RT: 10.861 min Scan# 11
Delta R.T. 0.205 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :

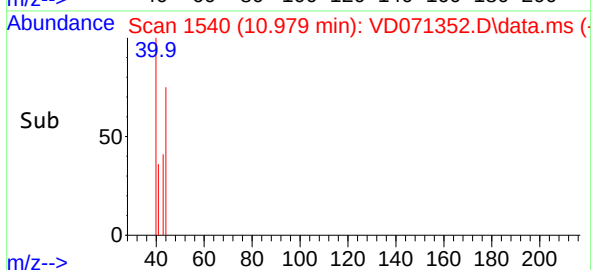
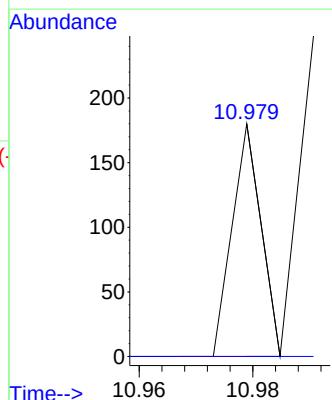
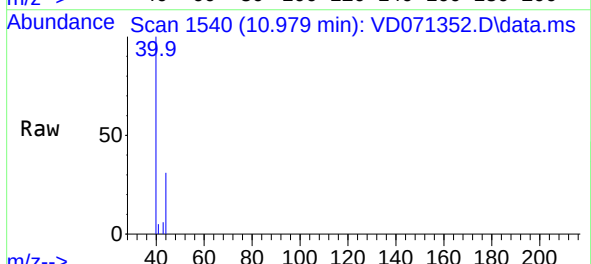


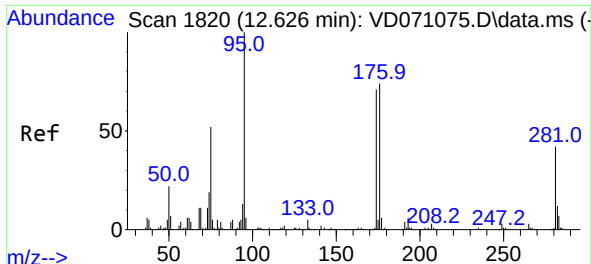
Tgt Ion: 69 Resp: 136
Ion Ratio Lower Upper
69 100
41 305.9 50.2 75.2#
39 44.9 19.8 29.8#



#59
2-Hexanone
Concen: 34.605 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

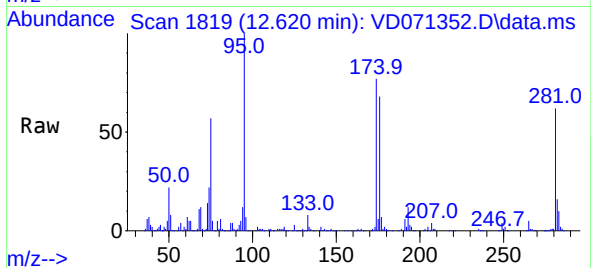
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



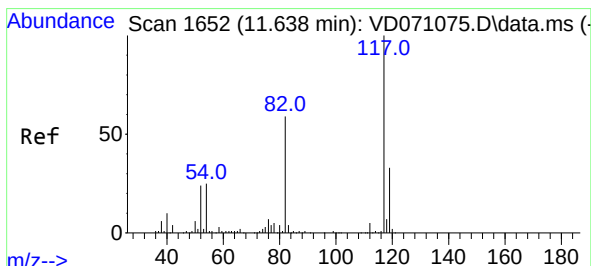
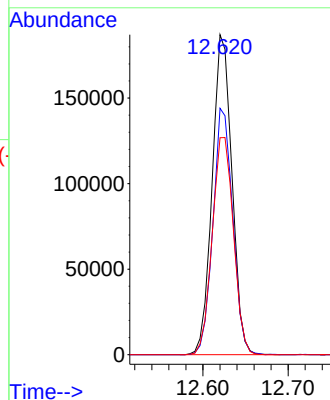
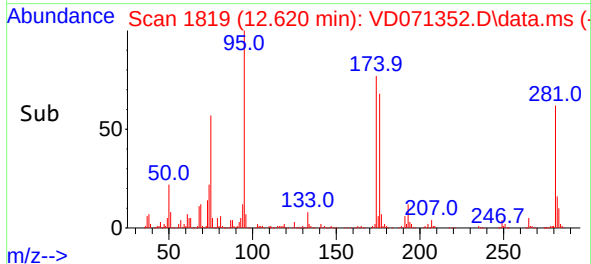


#62
4-Bromofluorobenzene
Concen: 70.181 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :

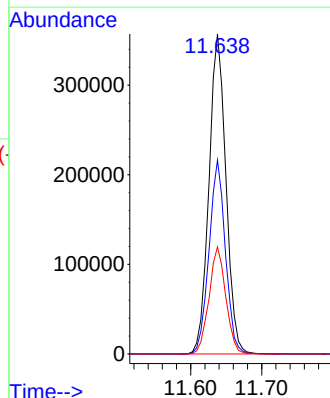
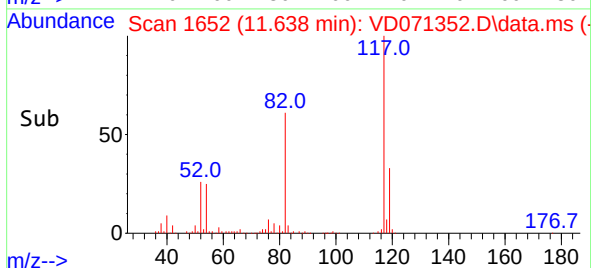
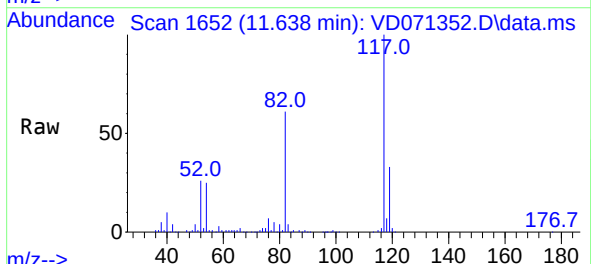


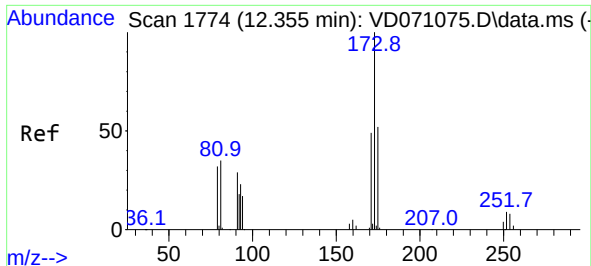
Tgt Ion: 95 Resp: 301639
Ion Ratio Lower Upper
95 100
174 77.1 0.0 159.4
176 72.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

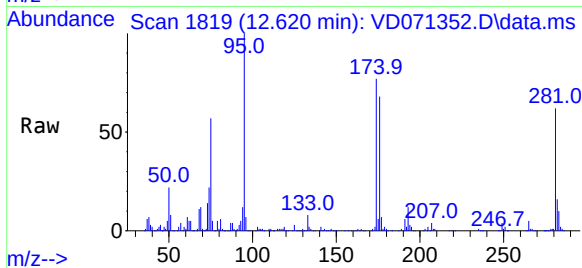
Tgt Ion: 117 Resp: 592766
Ion Ratio Lower Upper
117 100
82 60.6 44.7 67.1
119 33.5 26.2 39.4



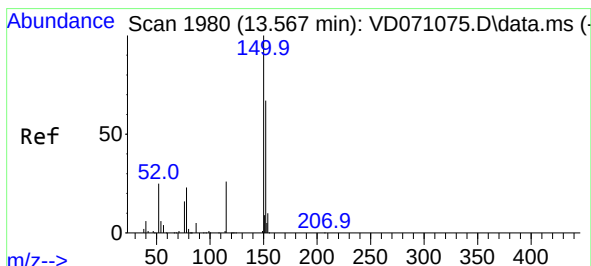
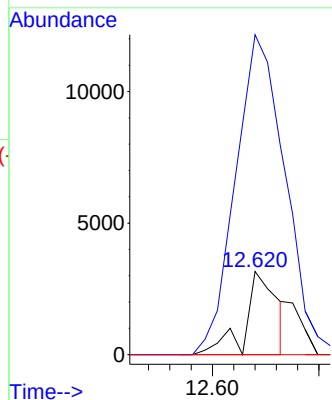
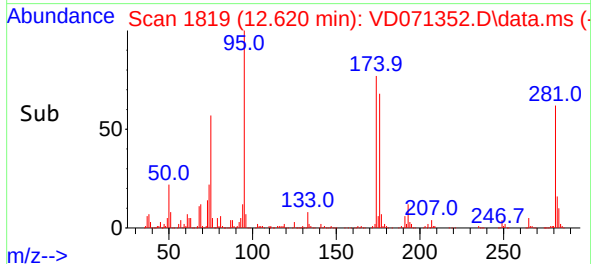


#71
Bromoform
Concen: 1.578 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

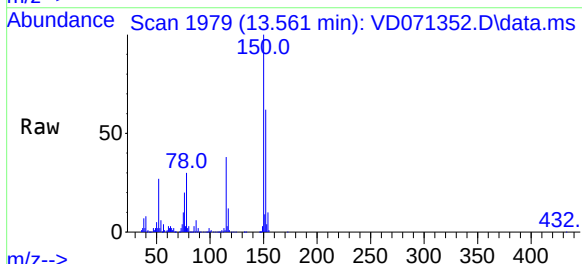
Instrument :
MSVOA_D
ClientSampleId :



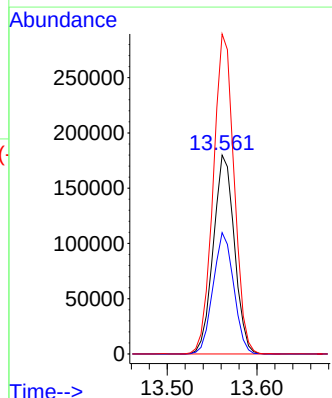
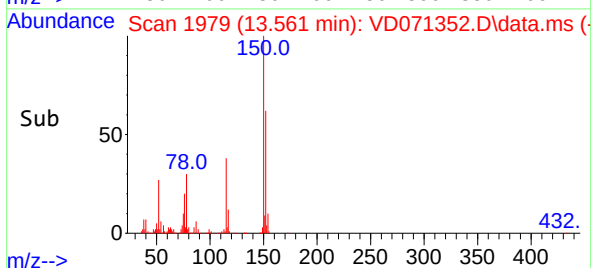
Tgt Ion:173 Resp: 3282
Ion Ratio Lower Upper
173 100
175 511.3 24.1 72.2#
254 0.0 0.1 0.1#

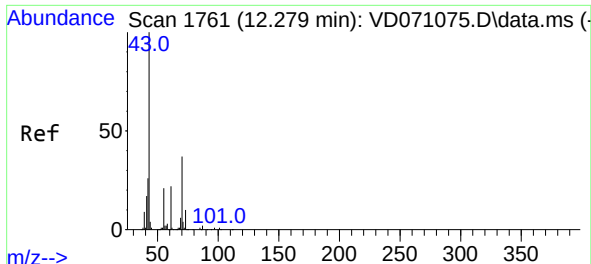


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42



Tgt Ion:152 Resp: 293849
Ion Ratio Lower Upper
152 100
115 59.7 29.8 89.3
150 159.1 0.0 349.2

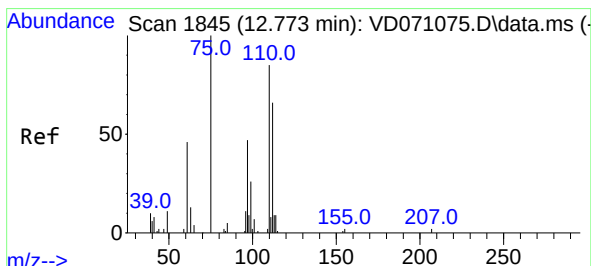
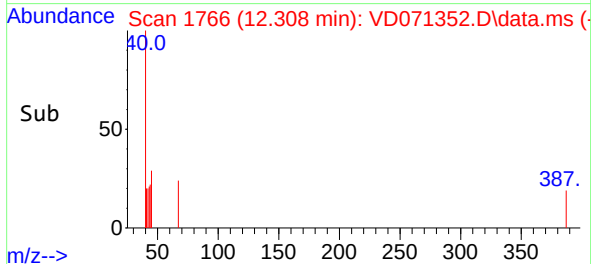
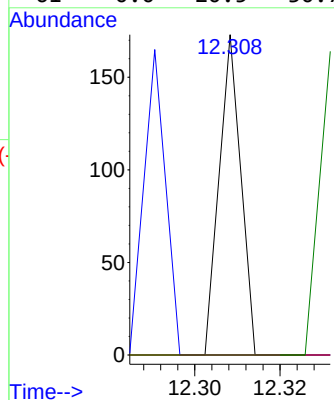
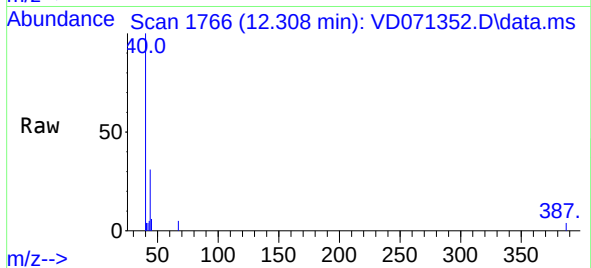




#74
N-amy1 acetate
Concen: 5.710 ug/l
RT: 12.308 min Scan# 1819
Delta R.T. 0.029 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

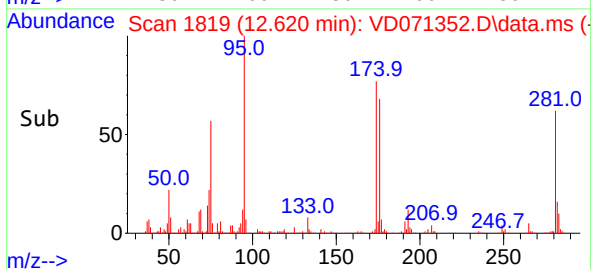
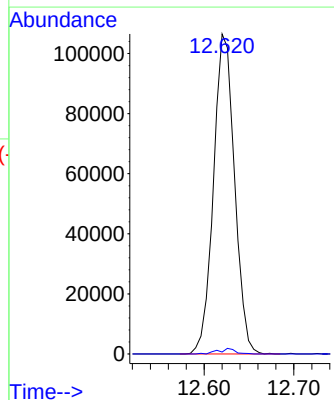
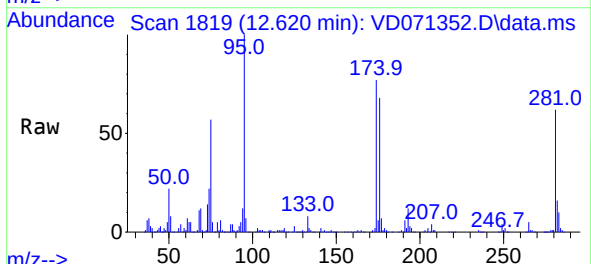
Instrument :
MSVOA_D
ClientSampleId :

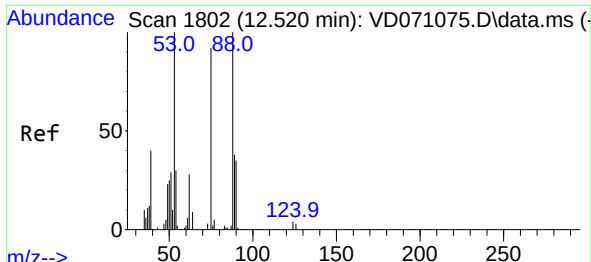
Tgt Ion: 43	Resp: 61
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 62.036 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

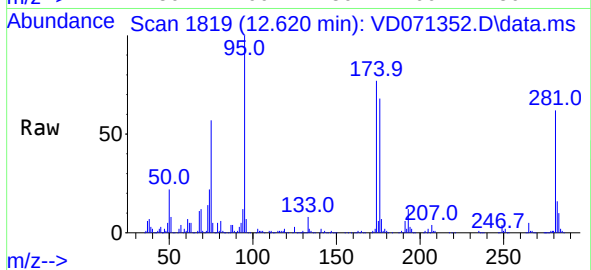
Tgt Ion: 75	Resp: 173680
Ion Ratio	Lower Upper
75 100	
77 1.4	158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 134.117 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD071352.D
Acq: 15 Dec 2021 19:42

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 173680
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 1.0 34.5 51.7#

