

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071342.D
 Acq On : 15 Dec 2021 15:00
 Operator : VA/SY
 Sample : M5082-02
 Misc : 4.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:28:17 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)

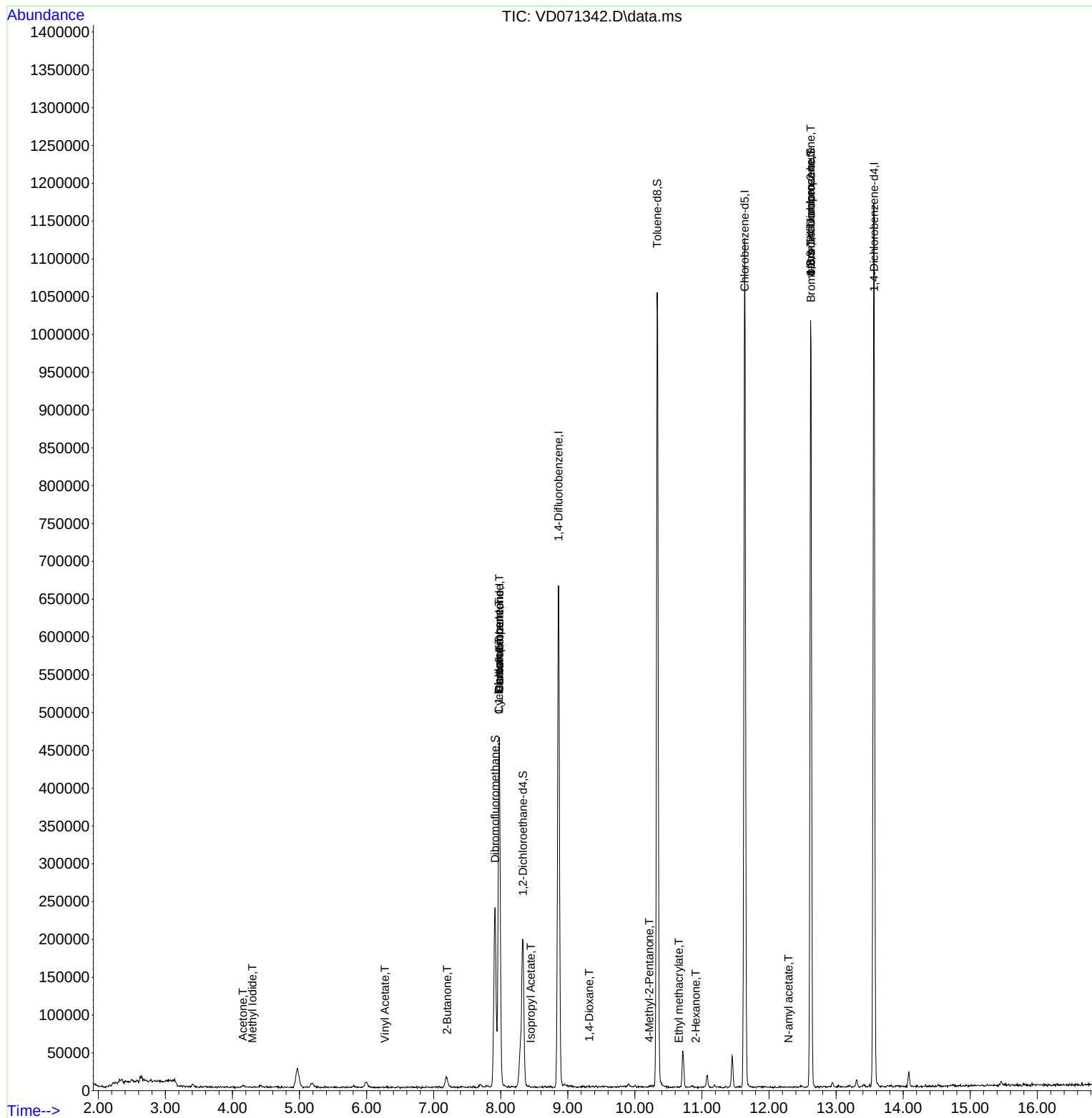
Internal Standards						
1) Pentafluorobenzene	7.979	168	312827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	527025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	589673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	285853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	157360	42.870	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.740%
35) Dibromofluoromethane	7.914	113	163618	48.753	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.500%
50) Toluene-d8	10.332	98	692718	54.240	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.480%
62) 4-Bromofluorobenzene	12.620	95	293516	66.300	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	132.600%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	81	4.581	ug/l #	40
11) Tert butyl alcohol	5.185	59	4897	Below Cal	#	74
16) Acetone	4.156	43	4503	34.847	ug/l #	79
23) Vinyl Acetate	6.273	43	117	27.236	ug/l #	72
25) 2-Butanone	7.203	43	353	28.637	ug/l #	45
31) Cyclohexane	7.973	56	9208	1.475	ug/l #	30
36) 1,1-Dichloropropene	7.973	75	29710	6.032	ug/l #	49
38) Carbon Tetrachloride	7.979	117	35040	7.216	ug/l #	17
41) Methacrylonitrile	7.497	41	184	Below Cal	#	31
43) Isopropyl Acetate	8.450	43	58	5.234	ug/l #	47
49) 1,4-Dioxane	9.320	88	66	3.745	ug/l #	14
51) 4-Methyl-2-Pentanone	10.214	43	310	30.765	ug/l #	34
56) Ethyl methacrylate	10.655	69	257	6.036	ug/l #	28
59) 2-Hexanone	10.908	43	142	34.642	ug/l	86
71) Bromoform	12.626	173	3608	1.743	ug/l #	1
74) N-amyl acetate	12.291	43	104	5.717	ug/l #	35
76) 1,2,3-Trichloropropane	12.620	75	163062	59.873	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	163062	129.641	ug/l #	19

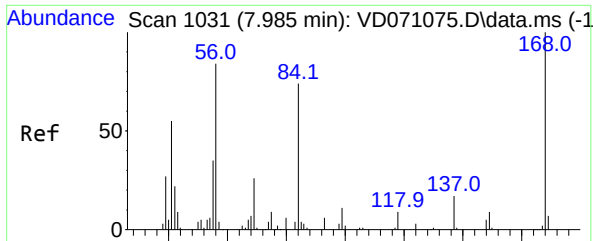
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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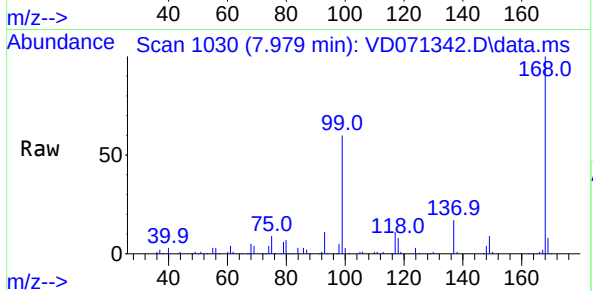
Quant Time: Dec 16 04:28:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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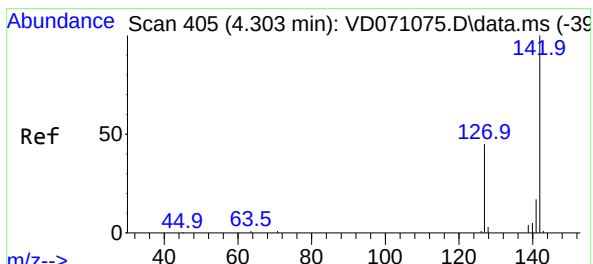
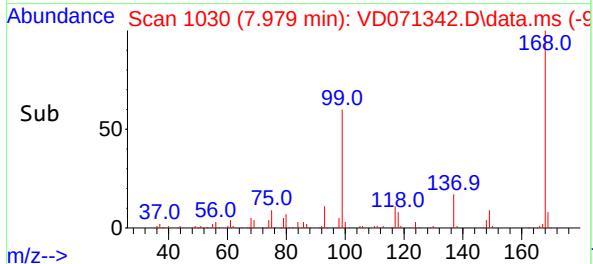
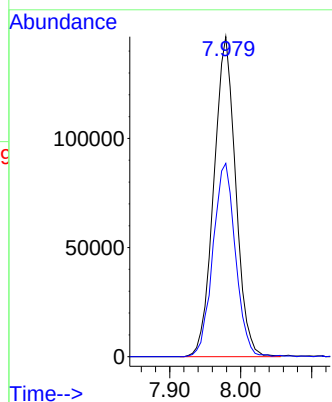


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Instrument :
MSVOA_D
ClientSampleId :

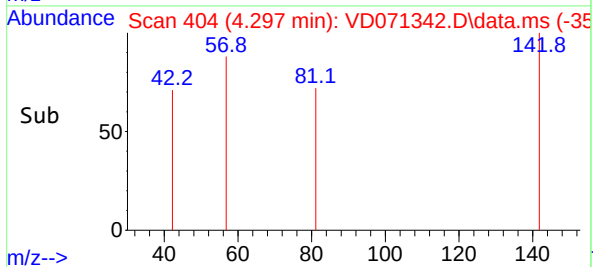
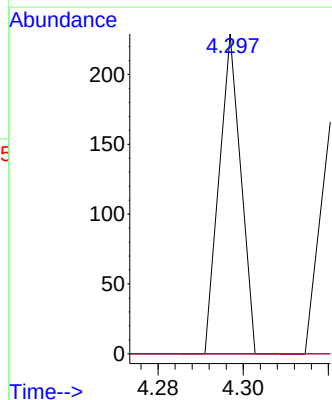
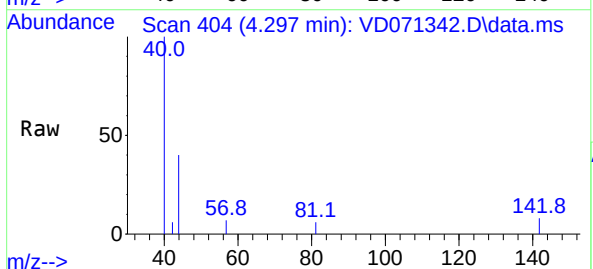


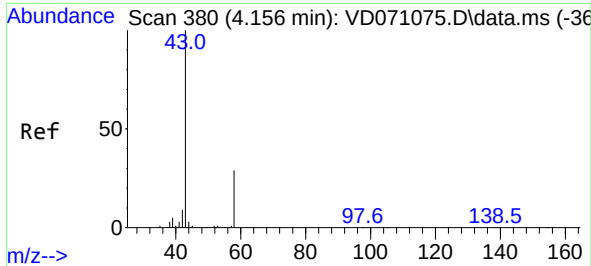
Tgt Ion:168 Resp: 312827
Ion Ratio Lower Upper
168 100
99 60.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.581 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Tgt Ion:142 Resp: 81
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

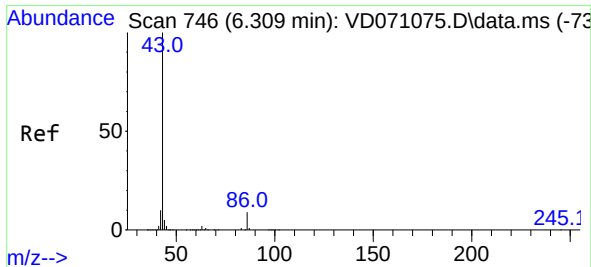
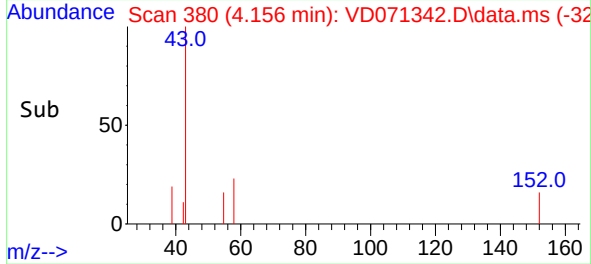
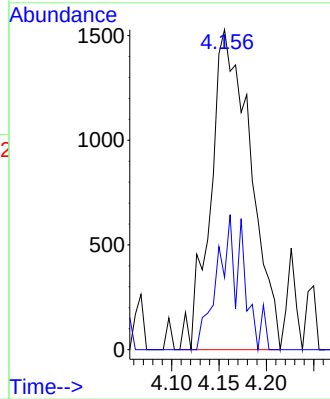
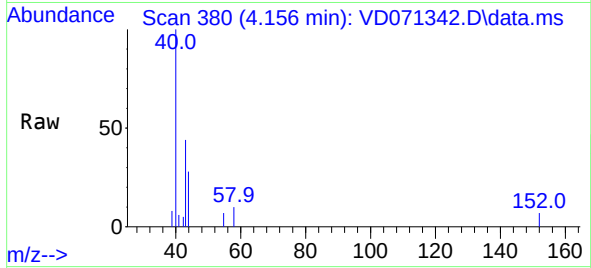




#16
Acetone
Concen: 34.847 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

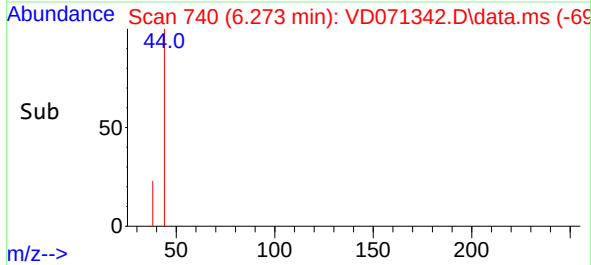
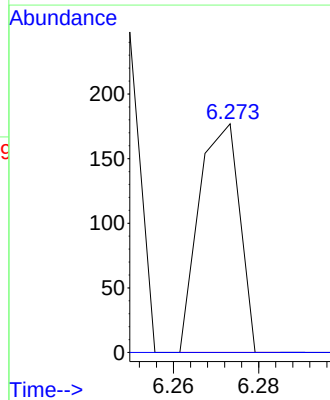
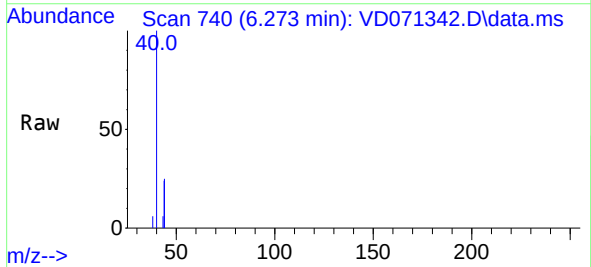
Instrument :
MSVOA_D
ClientSampleId :

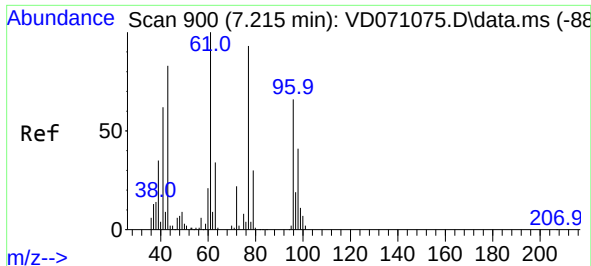
Tgt Ion: 43 Resp: 4503
Ion Ratio Lower Upper
43 100
58 22.6 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.236 ug/l
RT: 6.273 min Scan# 740
Delta R.T. -0.036 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

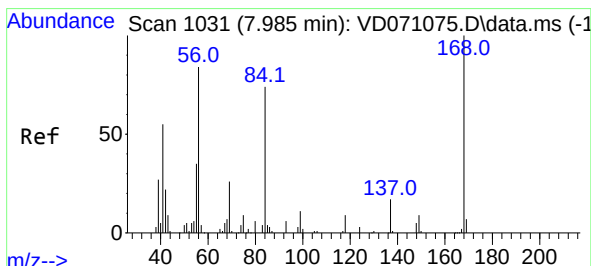
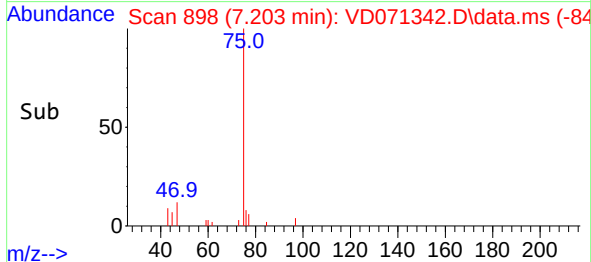
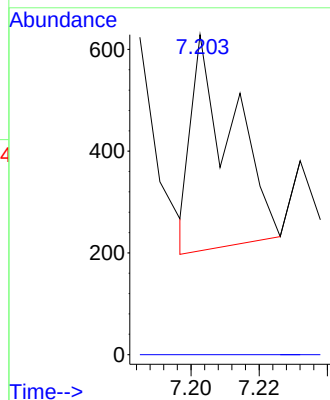
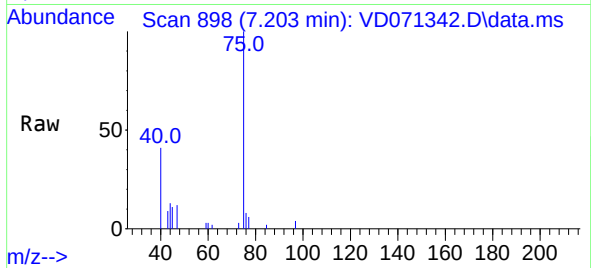




#25
2-Butanone
Concen: 28.637 ug/l
RT: 7.203 min Scan# 89
Delta R.T. -0.012 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

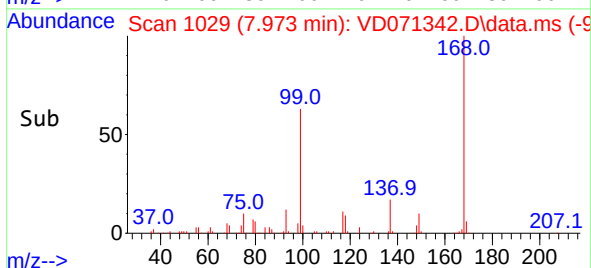
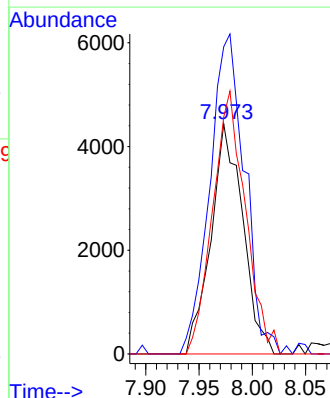
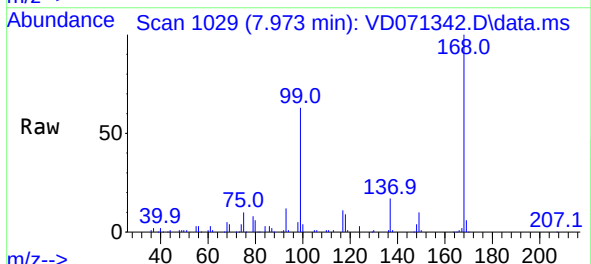
Instrument :
MSVOA_D
ClientSampleId :

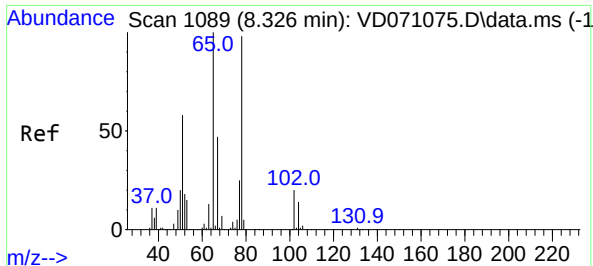
Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.475 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Tgt Ion: 56 Resp: 9208
Ion Ratio Lower Upper
56 100
69 133.5 25.9 38.9#
84 103.0 64.3 96.5#

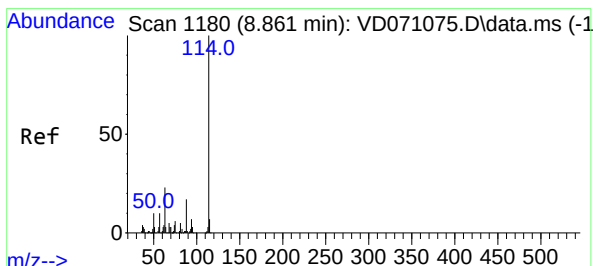
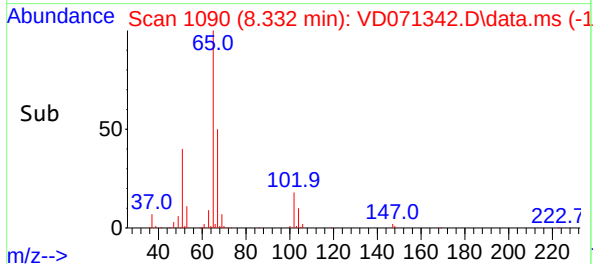
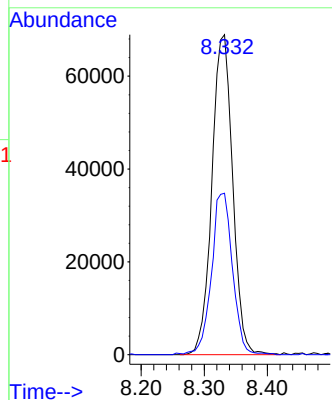
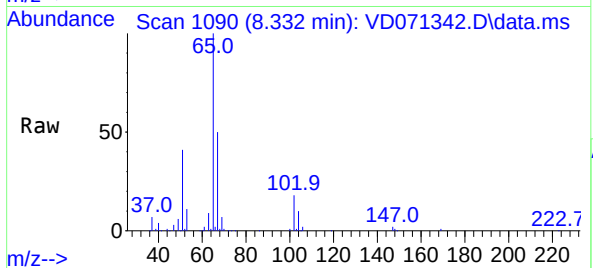




#33
1,2-Dichloroethane-d4
Concen: 42.870 ug/l
RT: 8.332 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

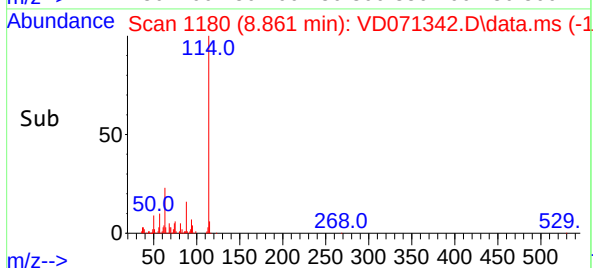
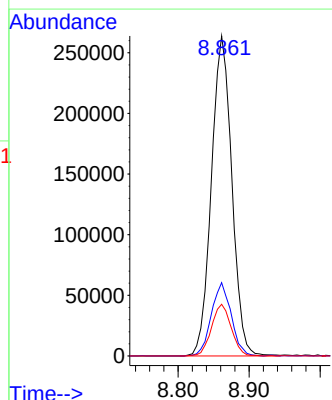
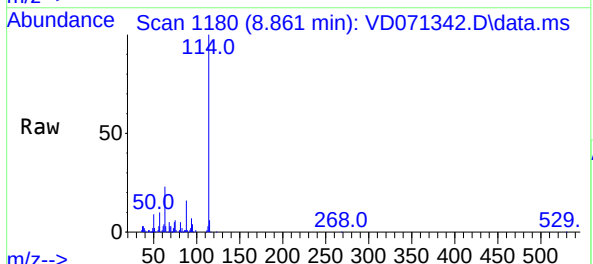
Instrument :
MSVOA_D
ClientSampleId :

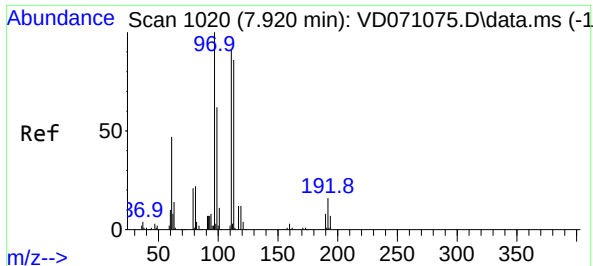
Tgt Ion: 65 Resp: 157360
Ion Ratio Lower Upper
65 100
67 51.3 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Tgt Ion:114 Resp: 527025
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.753 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071342.D

Acq: 15 Dec 2021 15:00

Instrument :

MSVOA_D

ClientSampleId :

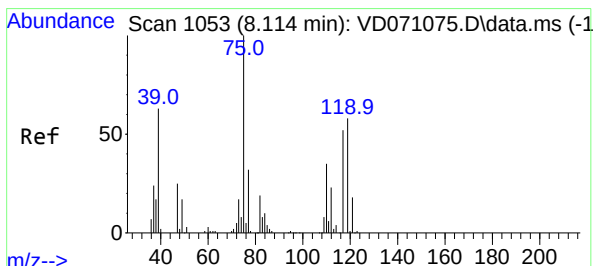
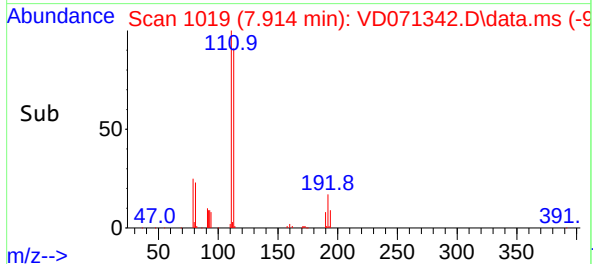
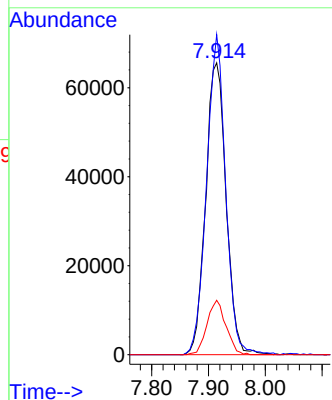
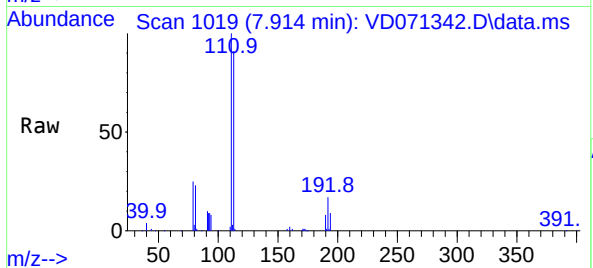
Tgt Ion:113 Resp: 163618

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

192 17.3 15.2 22.8



#36

1,1-Dichloropropene

Concen: 6.032 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071342.D

Acq: 15 Dec 2021 15:00

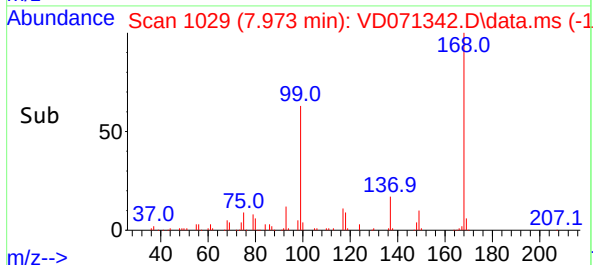
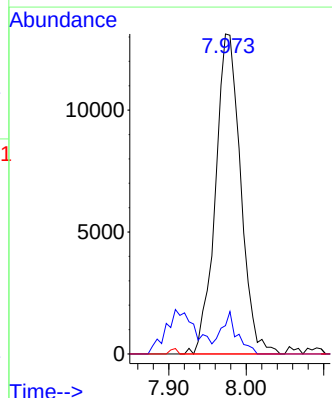
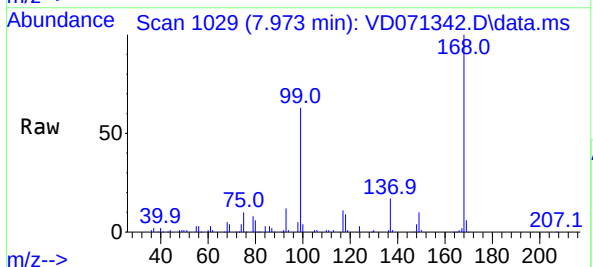
Tgt Ion: 75 Resp: 29710

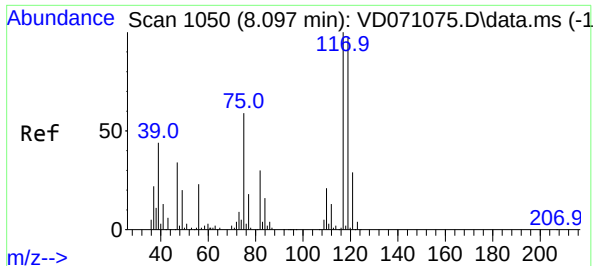
Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.4#

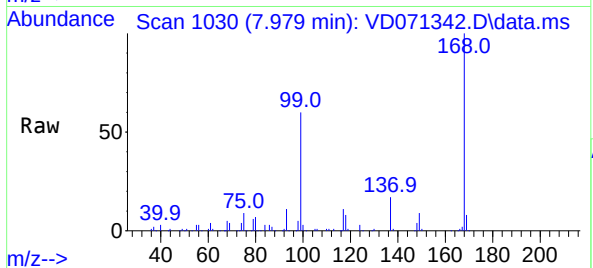
77 0.0 24.8 37.2#



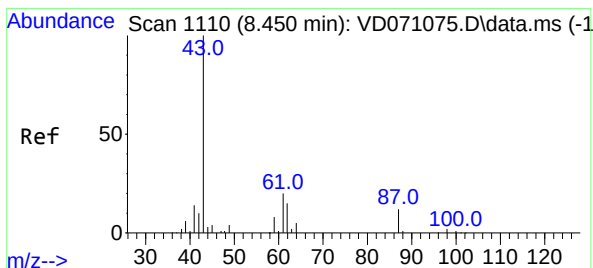
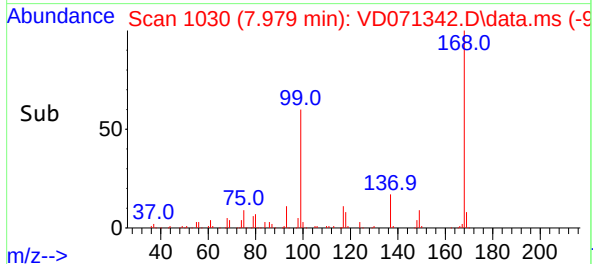
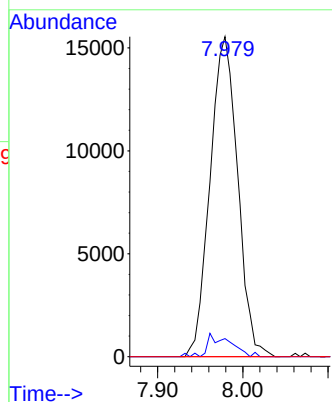


#38
Carbon Tetrachloride
Concen: 7.216 ug/l
RT: 7.979 min Scan# 110
Delta R.T. -0.118 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Instrument :
MSVOA_D
ClientSampleId :

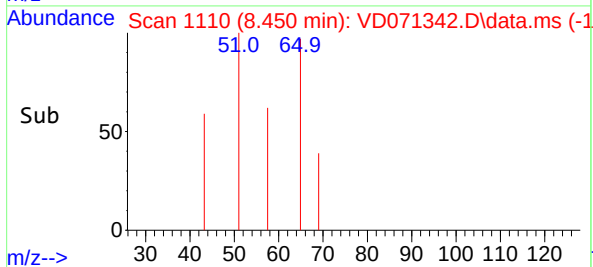
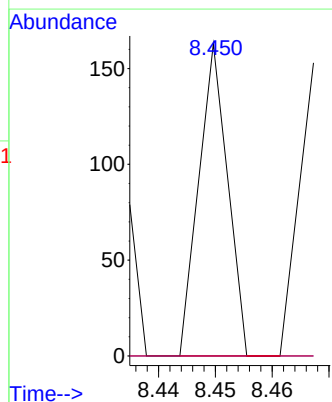
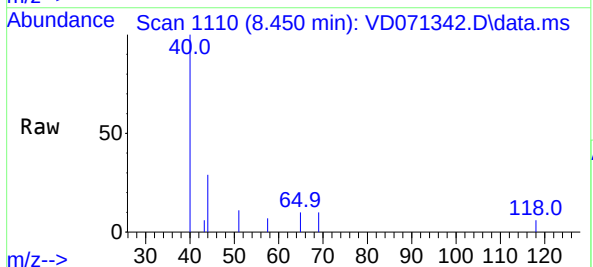


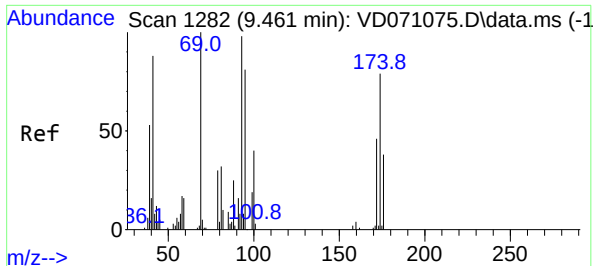
Tgt Ion:117 Resp: 35040
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.234 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

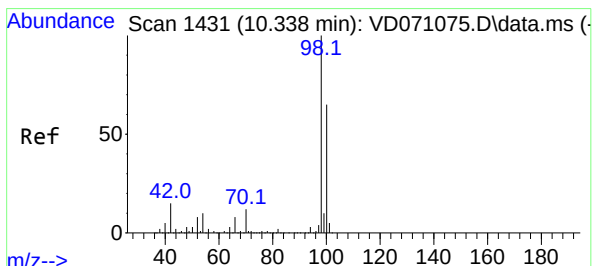
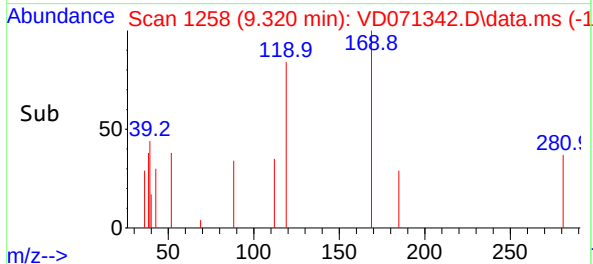
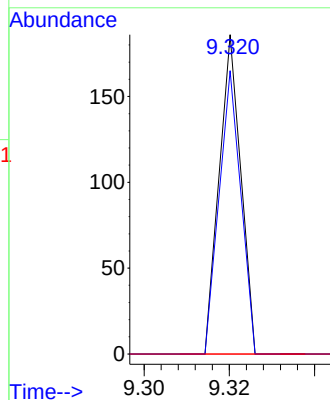
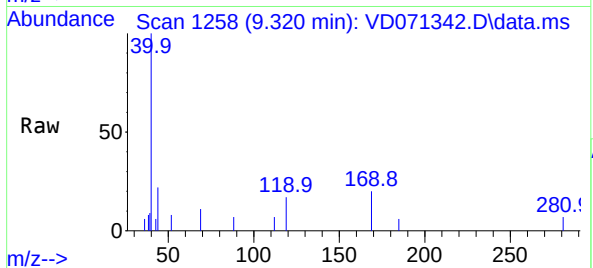




#49
1,4-Dioxane
Concen: 3.745 ug/l
RT: 9.320 min Scan# 11
Delta R.T. -0.141 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

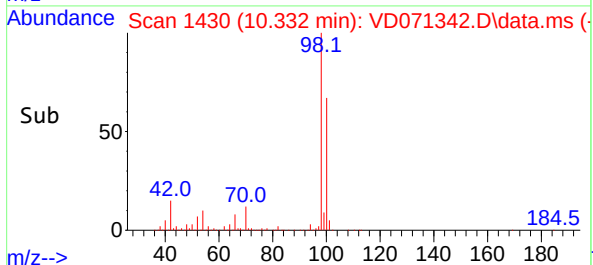
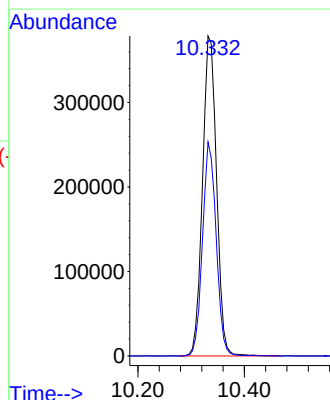
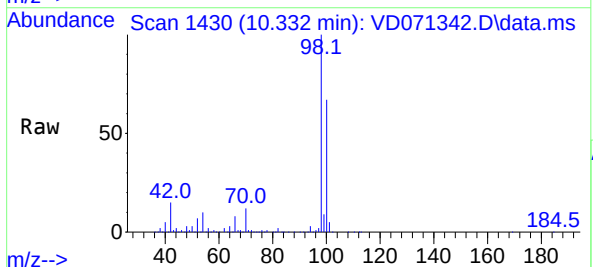
Instrument :
MSVOA_D
ClientSampleId :

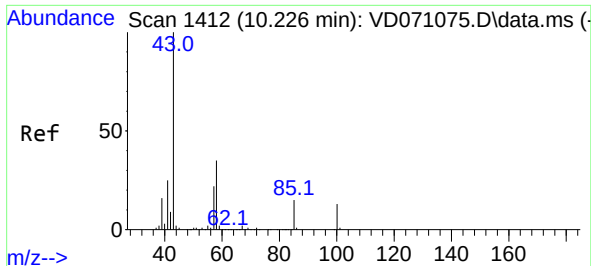
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 87.9 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 54.240 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Tgt Ion: 98 Resp: 692718
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6

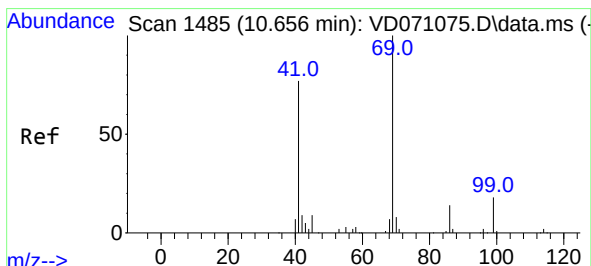
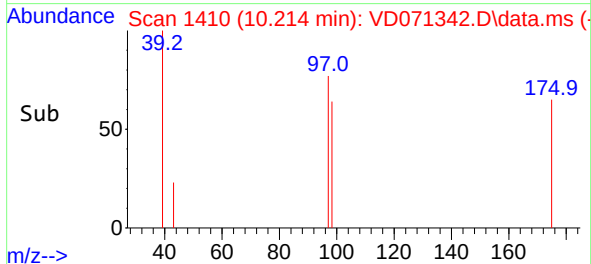
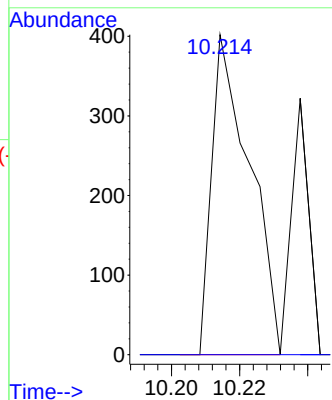
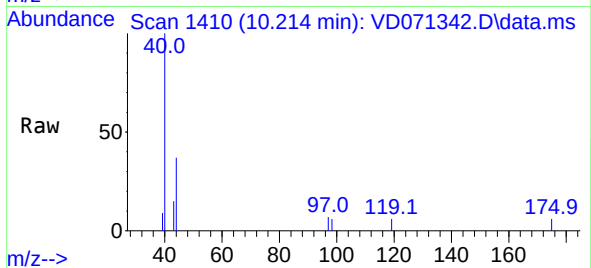




#51
4-Methyl-2-Pentanone
Concen: 30.765 ug/l
RT: 10.214 min Scan# 1412
Delta R.T. -0.012 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

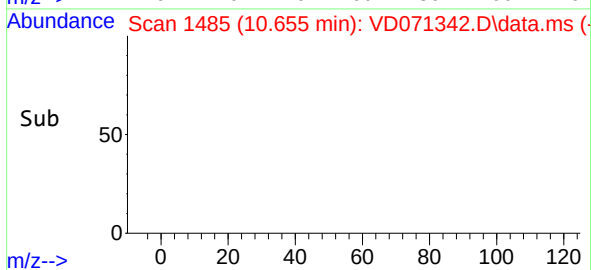
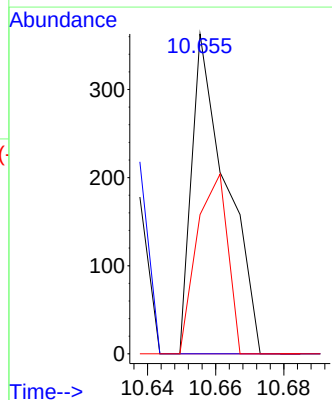
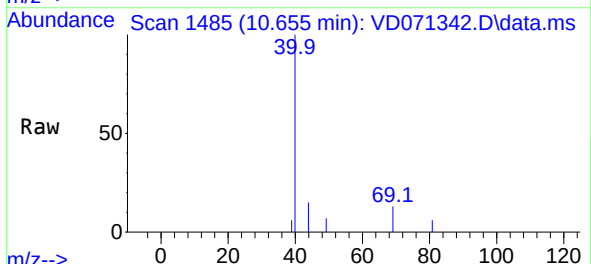
Instrument :
MSVOA_D
ClientSampleId :

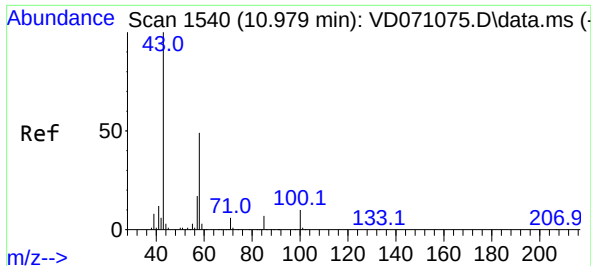
Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.036 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

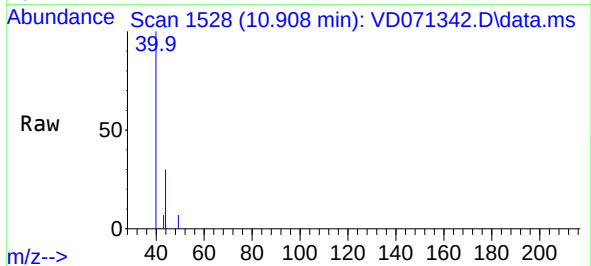
Tgt Ion: 69 Resp: 257
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 49.8 19.8 29.8#



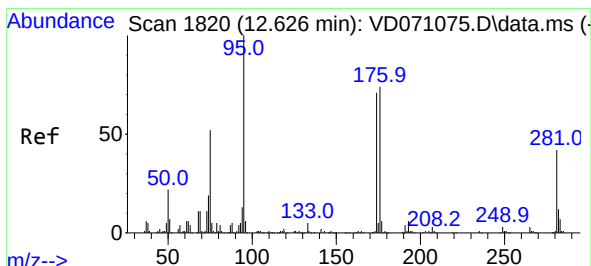
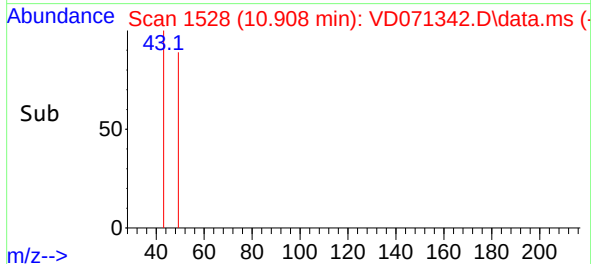
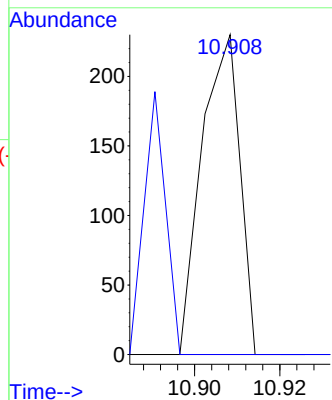


#59
2-Hexanone
Concen: 34.642 ug/l
RT: 10.908 min Scan# 11
Delta R.T. -0.071 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Instrument :
MSVOA_D
ClientSampleId :

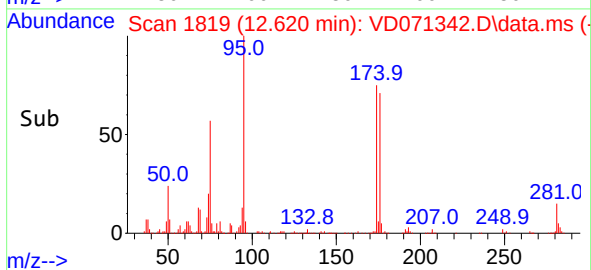
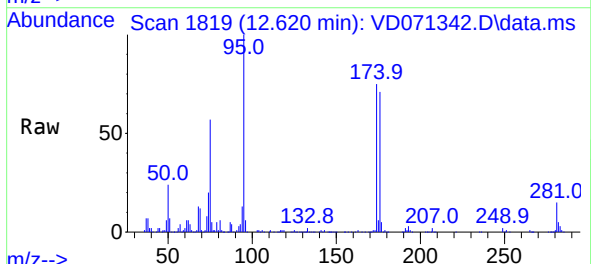
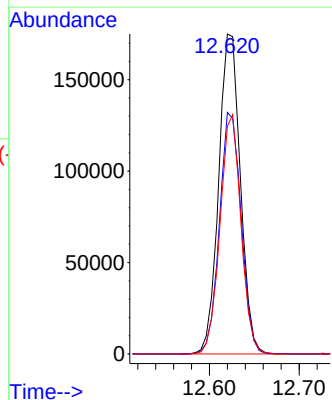


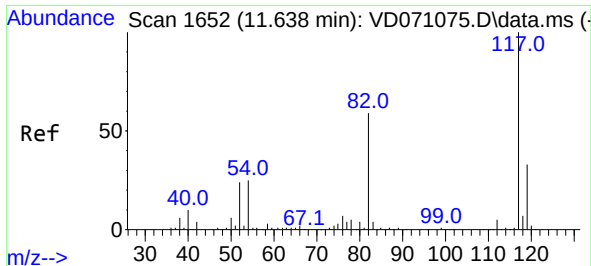
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
58 47.2 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 66.300 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Tgt Ion: 95 Resp: 293516
Ion Ratio Lower Upper
95 100
174 75.6 0.0 159.4
176 72.1 0.0 154.0

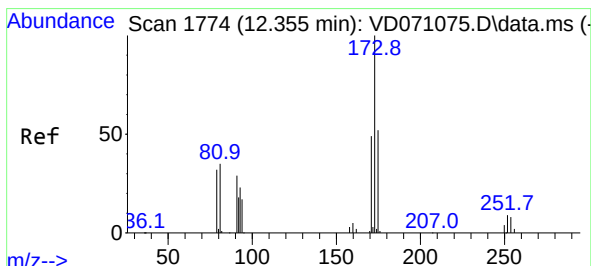
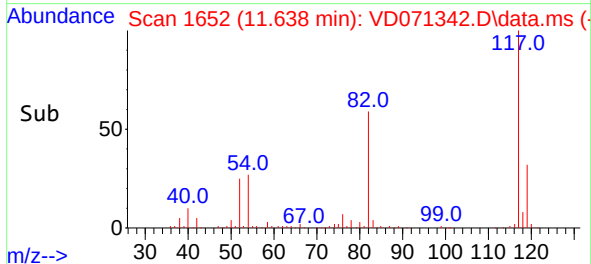
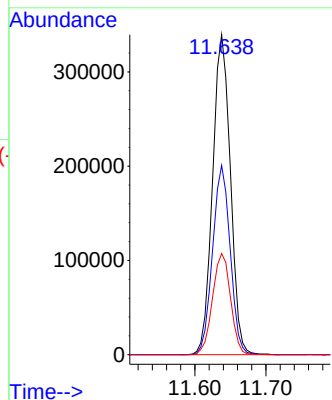
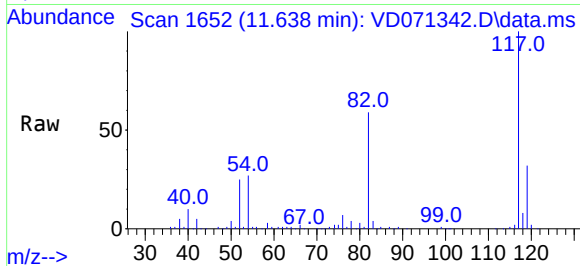




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

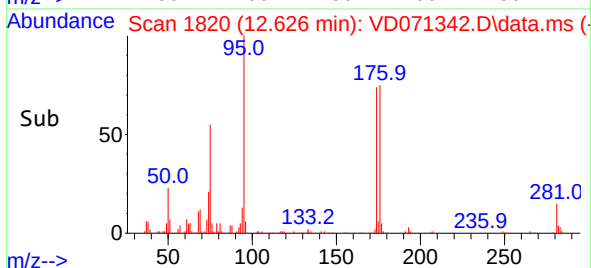
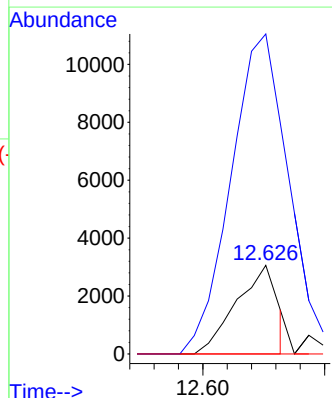
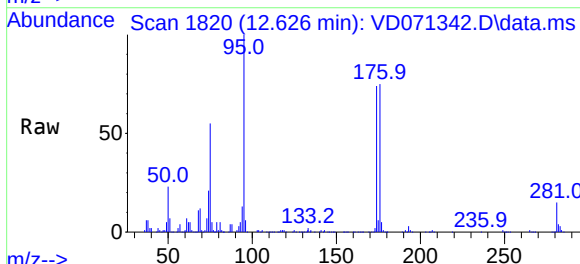
Instrument :
MSVOA_D
ClientSampleId :

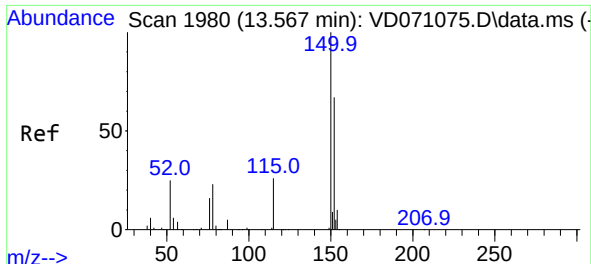
Tgt Ion:117 Resp: 589673
Ion Ratio Lower Upper
117 100
82 59.2 44.7 67.1
119 31.6 26.2 39.4



#71
Bromoform
Concen: 1.743 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Tgt Ion:173 Resp: 3608
Ion Ratio Lower Upper
173 100
175 428.5 24.1 72.2#
254 0.0 0.1 0.1#

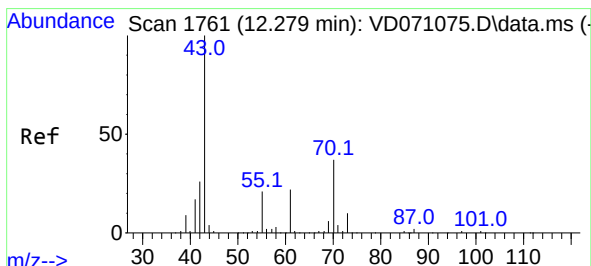
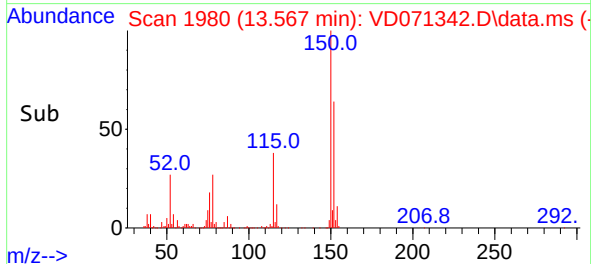
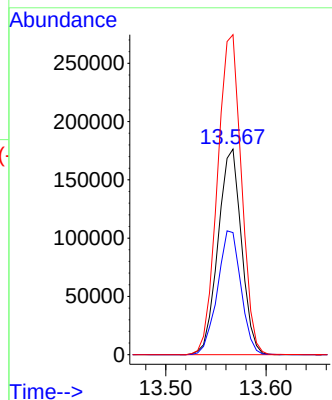
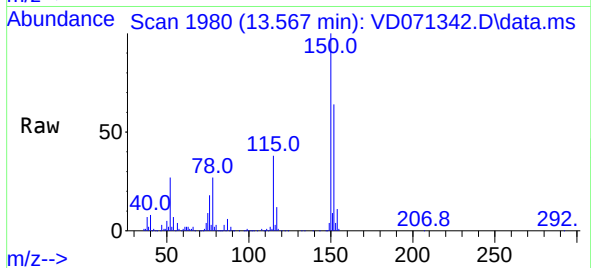




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

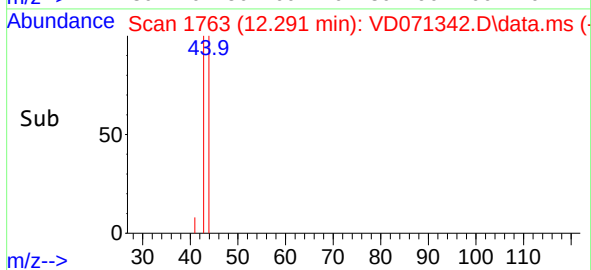
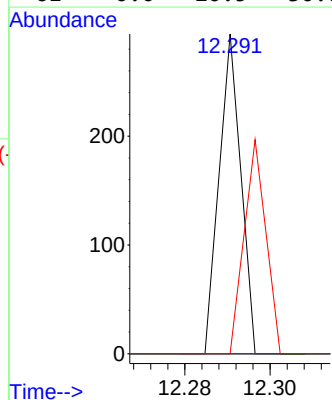
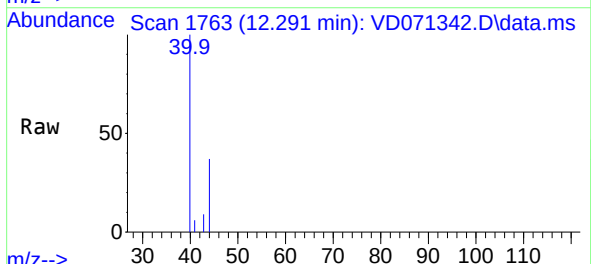
Instrument :
MSVOA_D
ClientSampleId :

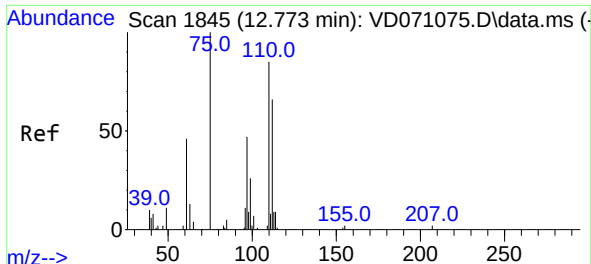
Tgt Ion:152 Resp: 285853
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 159.3 0.0 349.2



#74
N-ethyl acetate
Concen: 5.717 ug/l
RT: 12.291 min Scan# 1763
Delta R.T. 0.012 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Tgt Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 66.3 22.5 33.7#
61 0.0 20.5 30.7#

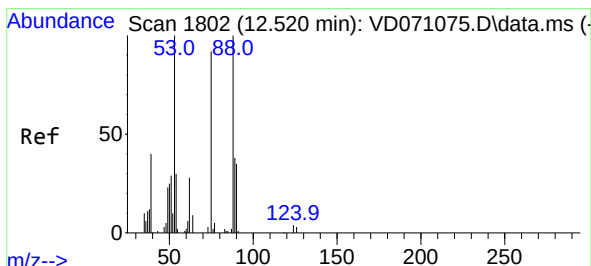
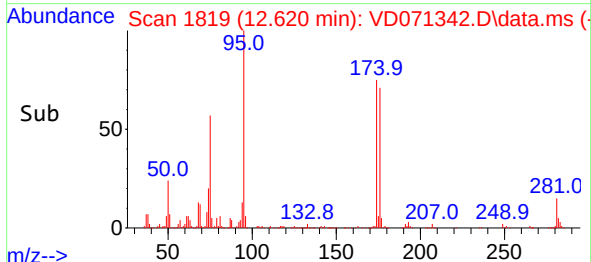
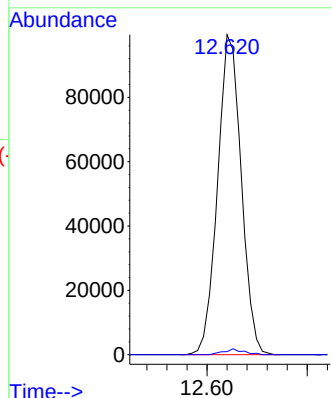
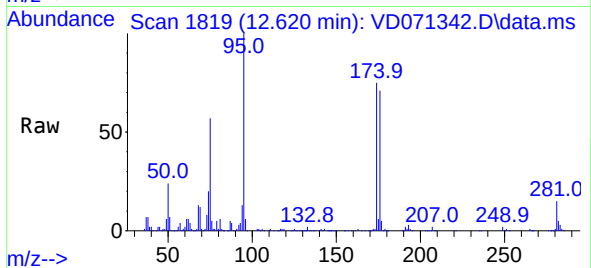




#76
1,2,3-Trichloropropane
Concen: 59.873 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 163062
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.641 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071342.D
Acq: 15 Dec 2021 15:00

Tgt Ion: 75 Resp: 163062
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.2 34.5 51.7#

