

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071246.D
 Acq On : 10 Dec 2021 12:40
 Operator : VA/SY
 Sample : M4965-28RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 15:24:53 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)

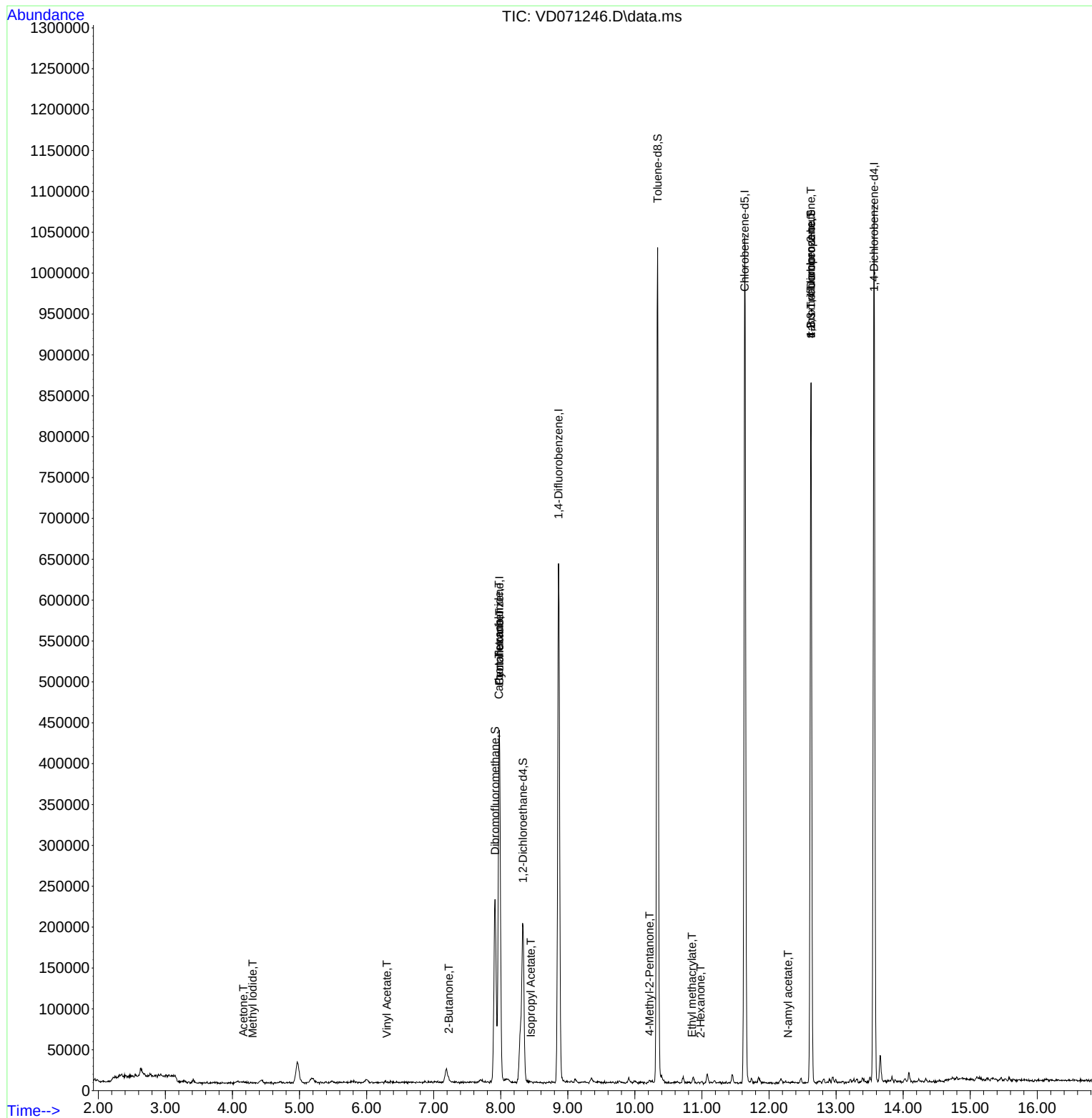
Internal Standards						
1) Pentafluorobenzene	7.979	168	305822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	508160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	535936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	258614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	149289	41.602	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.200%
35) Dibromofluoromethane	7.914	113	153888	47.556	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.120%
50) Toluene-d8	10.338	98	647077	52.547	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.100%
62) 4-Bromofluorobenzene	12.626	95	260985	61.141	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	122.280%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	224	4.618	ug/l #	40
11) Tert butyl alcohol	5.197	59	6378	Below Cal	#	71
16) Acetone	4.162	43	4601	35.030	ug/l #	77
23) Vinyl Acetate	6.303	43	495	27.294	ug/l #	72
25) 2-Butanone	7.226	43	279	28.584	ug/l #	45
31) Cyclohexane	7.979	56	10427	1.708	ug/l #	28
38) Carbon Tetrachloride	7.973	117	33182	7.088	ug/l #	16
41) Methacrylonitrile	7.538	41	226	Below Cal	#	45
43) Isopropyl Acetate	8.450	43	288	5.280	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	2646	31.655	ug/l #	69
56) Ethyl methacrylate	10.850	69	247	6.036	ug/l #	1
59) 2-Hexanone	10.979	43	1462	35.297	ug/l #	59
74) N-amyl acetate	12.285	43	213	5.738	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	143696	58.319	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	143696	126.427	ug/l #	18

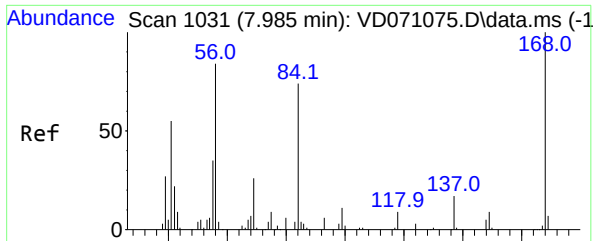
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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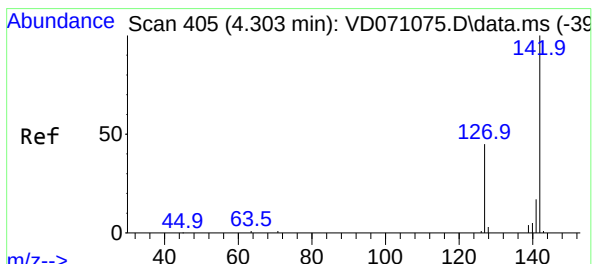
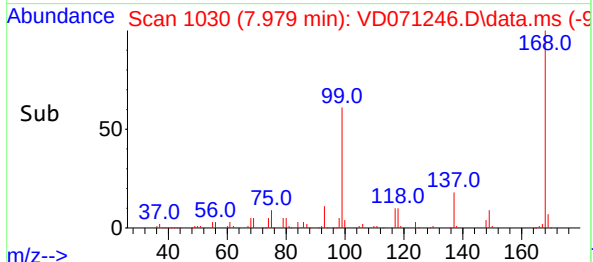
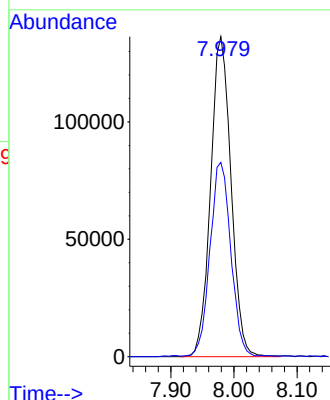
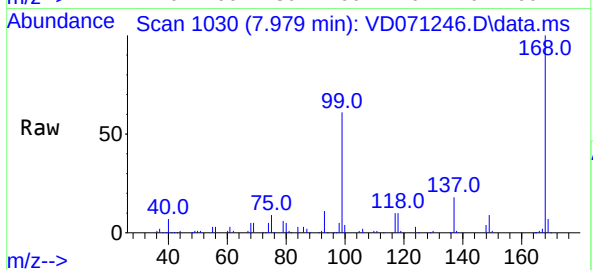




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

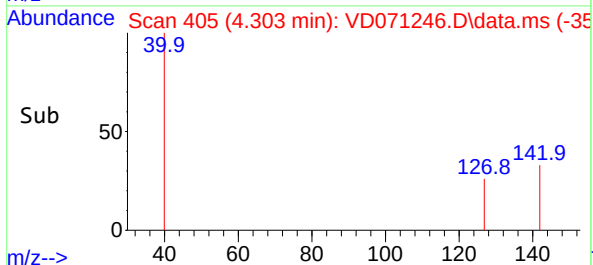
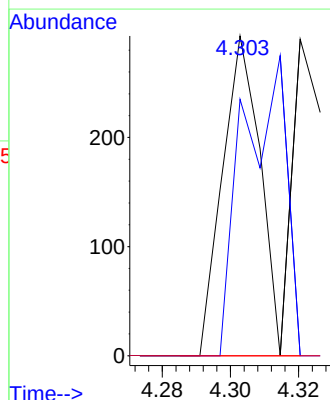
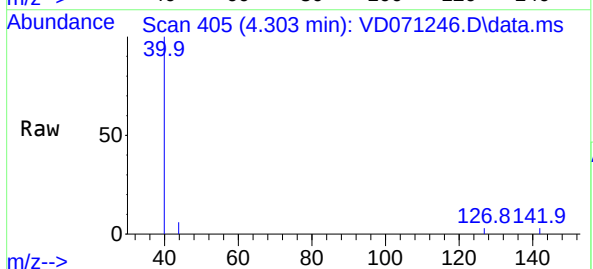
Instrument :
MSVOA_D
ClientSampleId :

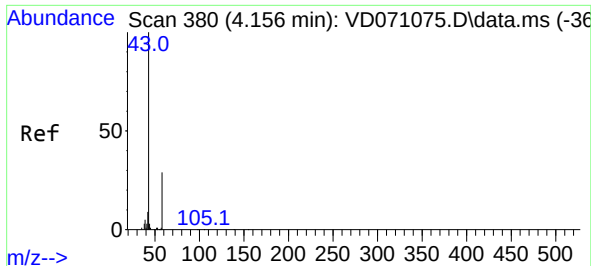
Tgt Ion:168 Resp: 305822
Ion Ratio Lower Upper
168 100
99 60.5 46.6 69.8



#10
Methyl Iodide
Concen: 4.618 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

Tgt Ion:142 Resp: 224
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

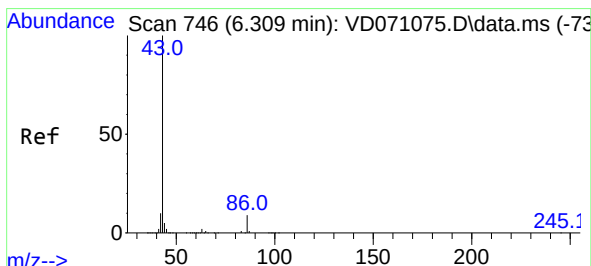
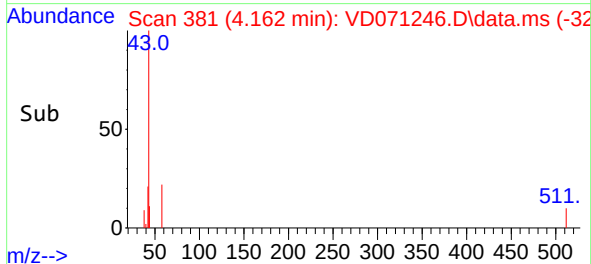
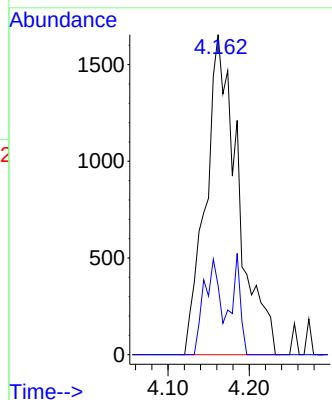
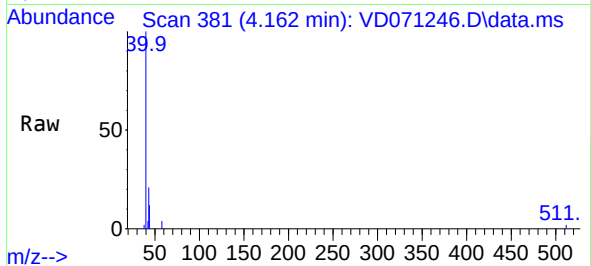




#16
Acetone
Concen: 35.030 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

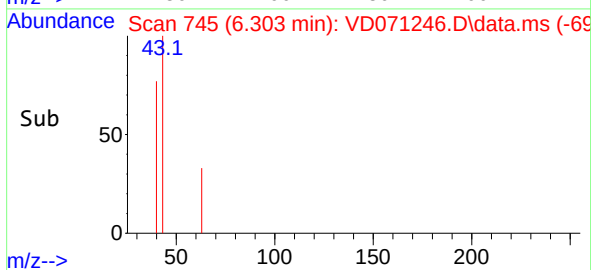
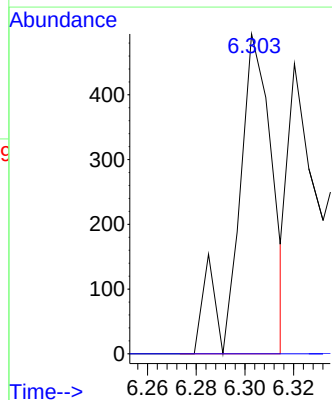
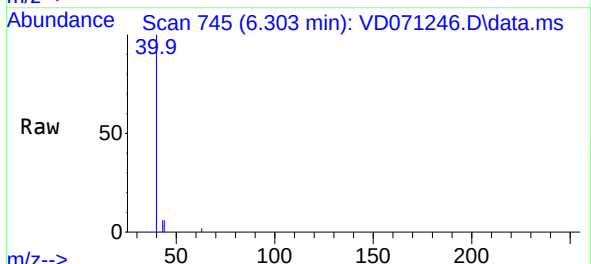
Instrument :
MSVOA_D
ClientSampleId :

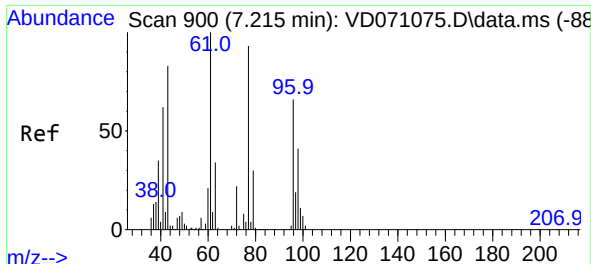
Tgt Ion: 43 Resp: 4601
Ion Ratio Lower Upper
43 100
58 21.5 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.294 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.006 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

Tgt Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

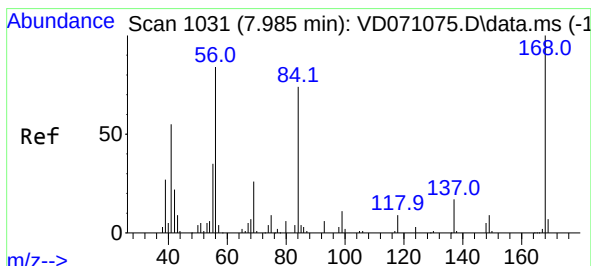
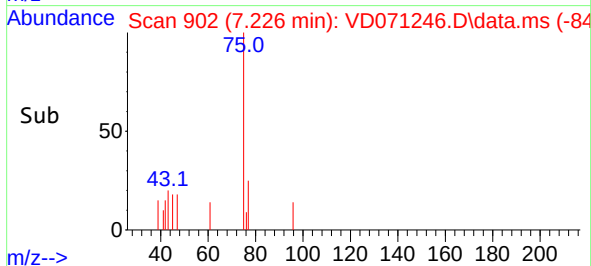
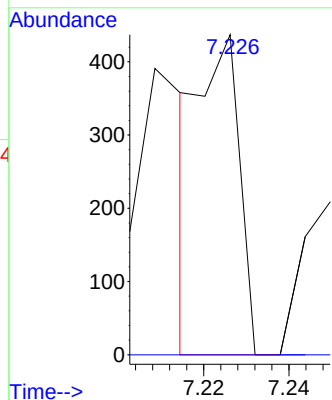
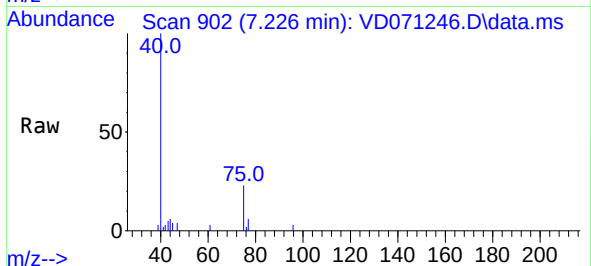




#25
2-Butanone
Concen: 28.584 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.011 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

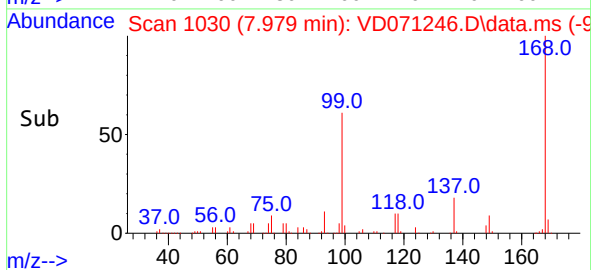
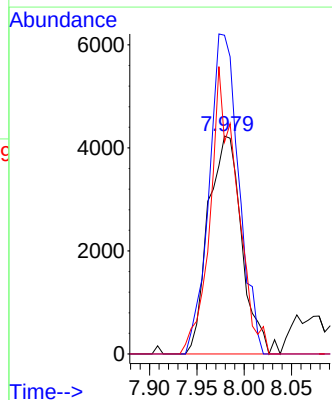
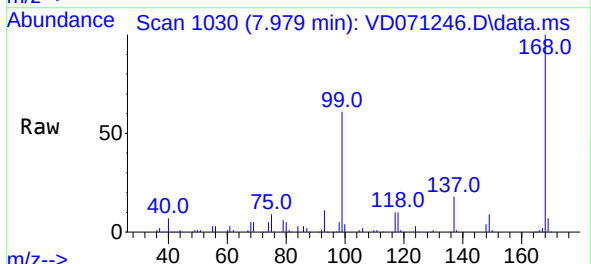
Instrument :
MSVOA_D
ClientSampleId :

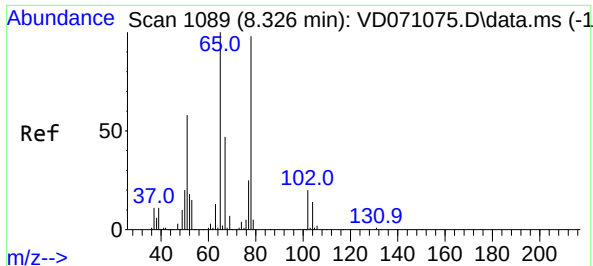
Tgt Ion: 43 Resp: 279
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.708 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

Tgt Ion: 56 Resp: 10427
Ion Ratio Lower Upper
56 100
69 146.2 25.9 38.9#
84 97.2 64.3 96.5#

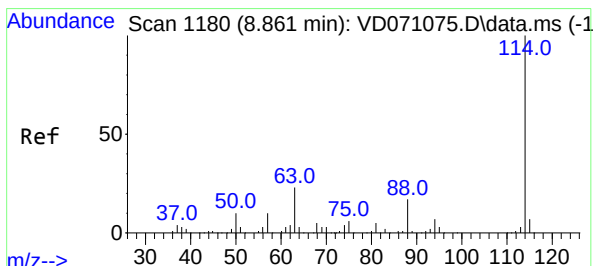
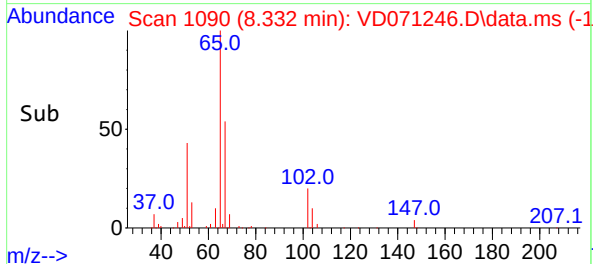
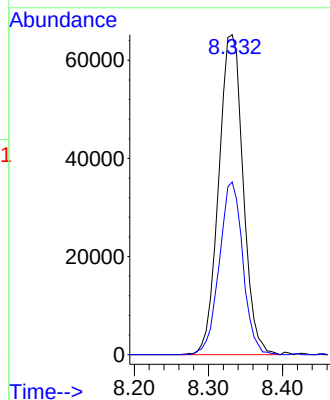
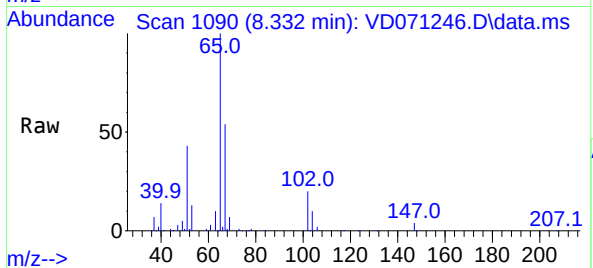




#33
1,2-Dichloroethane-d4
Concen: 41.602 ug/l
RT: 8.332 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

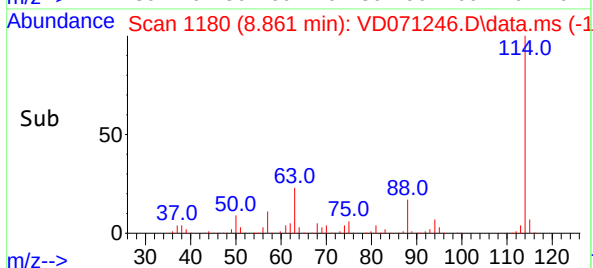
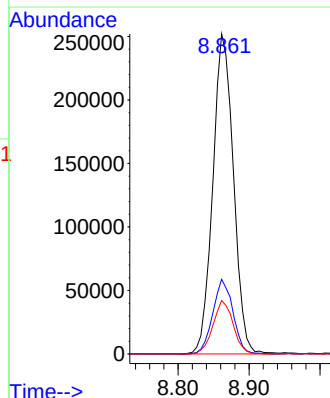
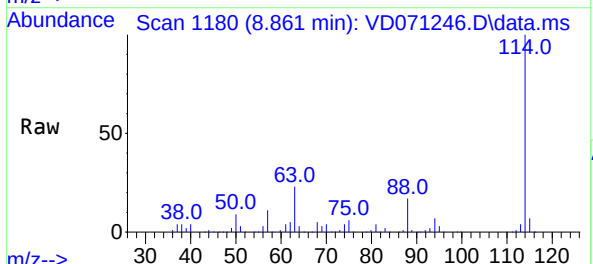
Instrument :
MSVOA_D
ClientSampleId :

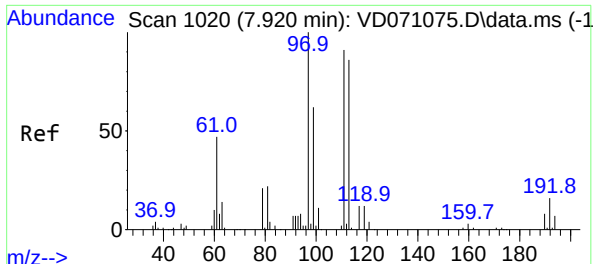
Tgt Ion: 65 Resp: 149289
Ion Ratio Lower Upper
65 100
67 52.1 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

Tgt Ion: 114 Resp: 508160
Ion Ratio Lower Upper
114 100
63 23.4 0.0 41.8
88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.556 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

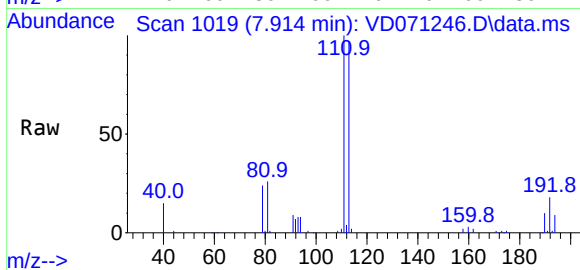
Lab File: VD071246.D

Acq: 10 Dec 2021 12:40

Instrument :

MSVOA_D

ClientSampleId :



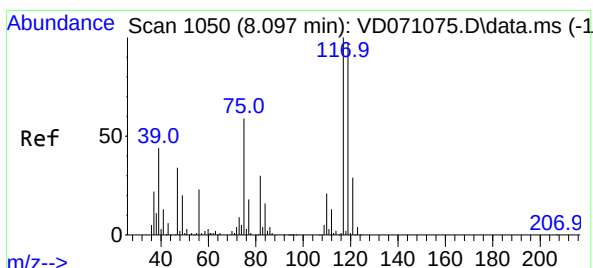
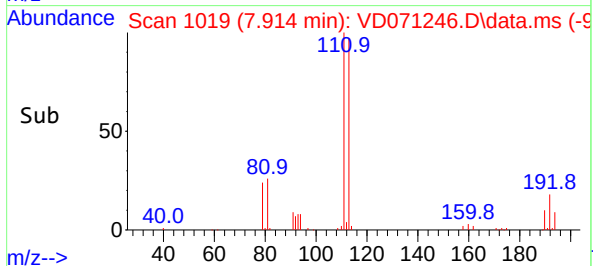
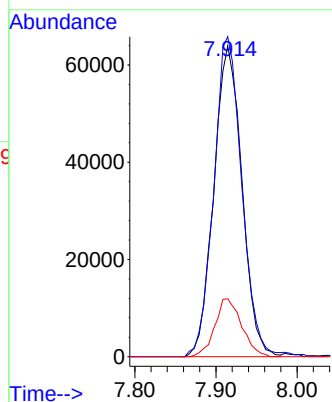
Tgt Ion:113 Resp: 153888

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 17.8 15.2 22.8



#38

Carbon Tetrachloride

Concen: 7.088 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071246.D

Acq: 10 Dec 2021 12:40

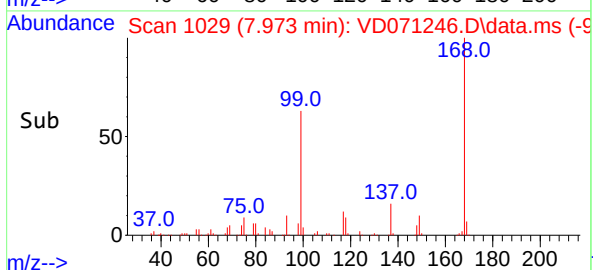
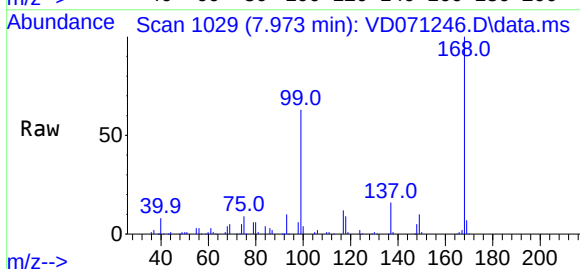
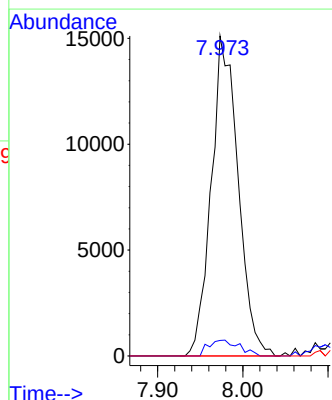
Tgt Ion:117 Resp: 33182

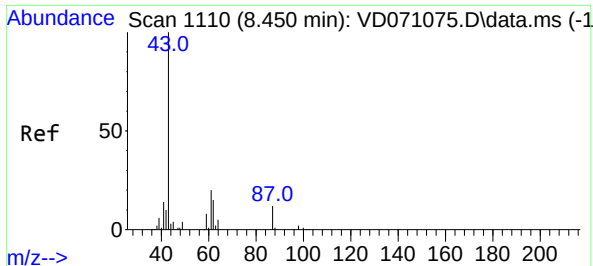
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

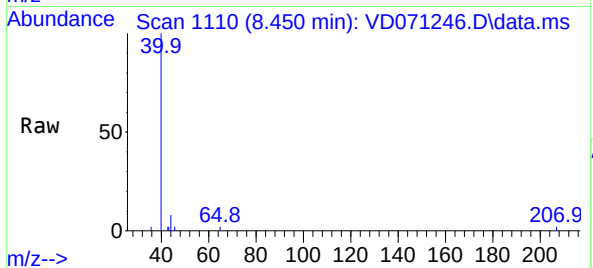
121 0.0 23.6 35.4#



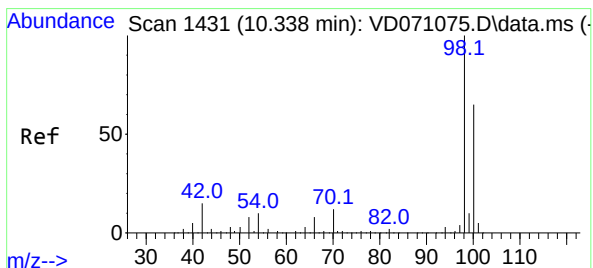
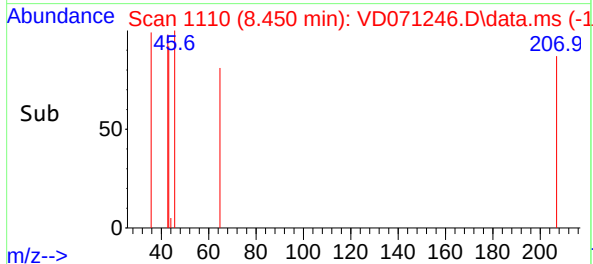
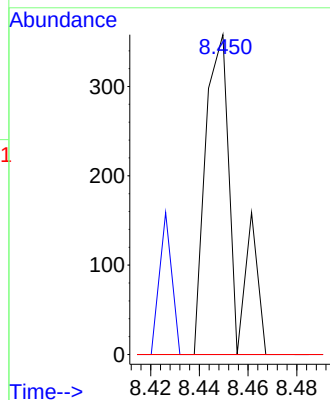


#43
Isopropyl Acetate
Concen: 5.280 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

Instrument :
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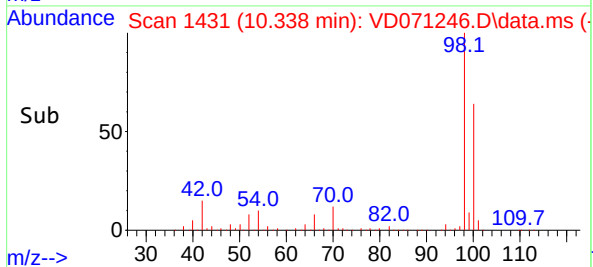
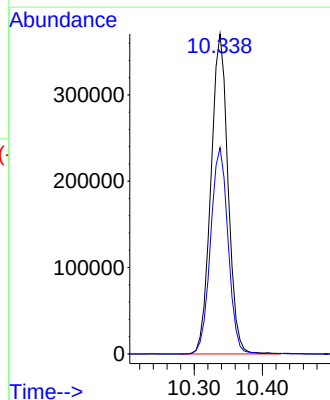
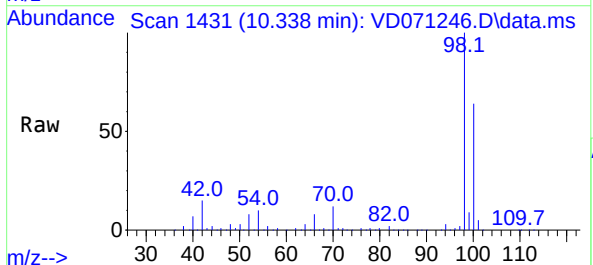


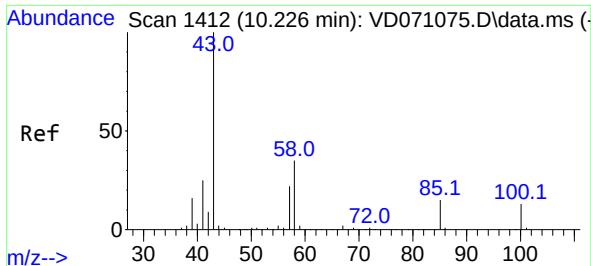
Tgt Ion: 43 Resp: 288
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 52.547 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

Tgt Ion: 98 Resp: 647077
Ion Ratio Lower Upper
98 100
100 66.0 51.8 77.6

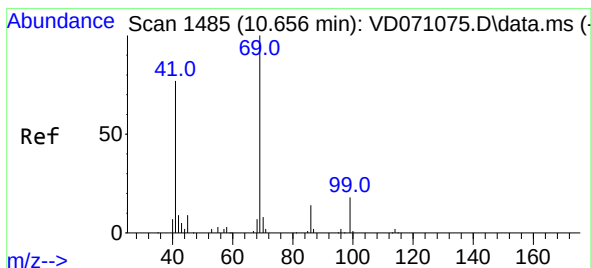
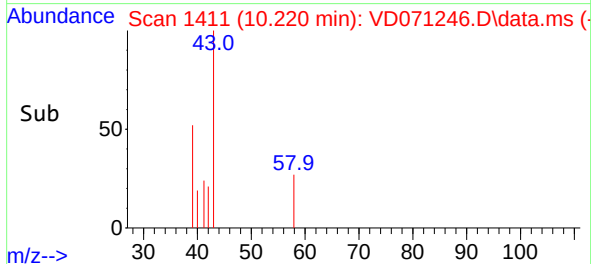
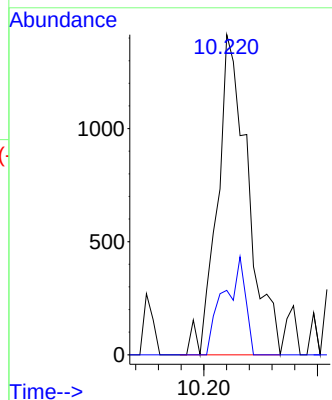
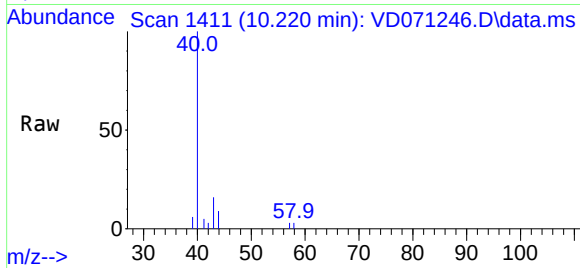




#51
4-Methyl-2-Pentanone
Concen: 31.655 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

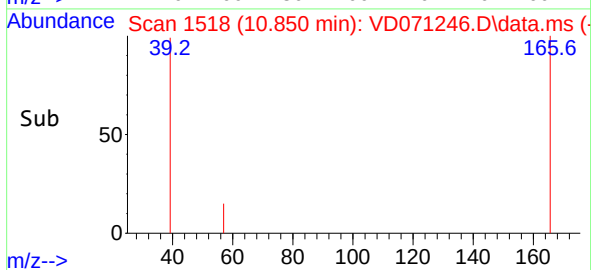
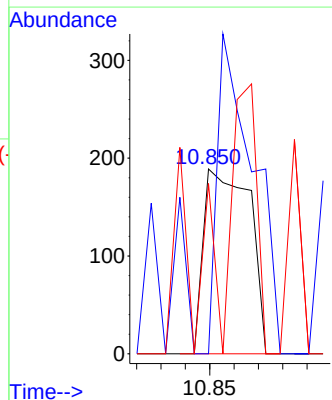
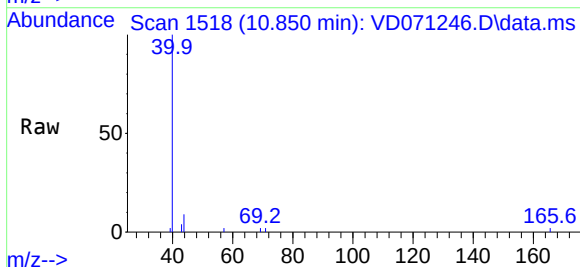
Instrument :
MSVOA_D
ClientSampleId :

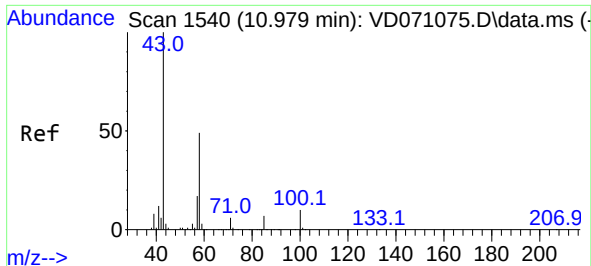
Tgt Ion: 43 Resp: 2646
Ion Ratio Lower Upper
43 100
58 21.6 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.036 ug/l
RT: 10.850 min Scan# 1518
Delta R.T. 0.194 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

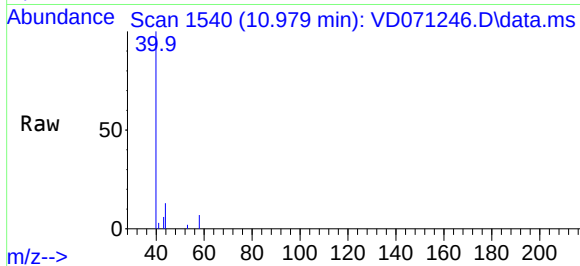
Tgt Ion: 69 Resp: 247
Ion Ratio Lower Upper
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41 136.0 50.2 75.2#
39 101.6 19.8 29.8#



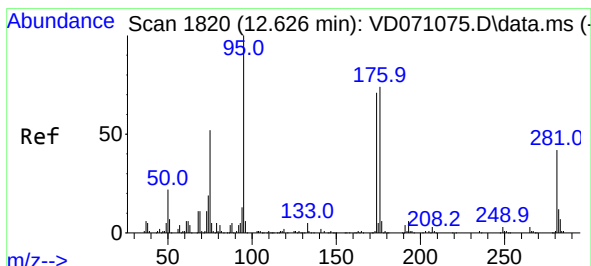
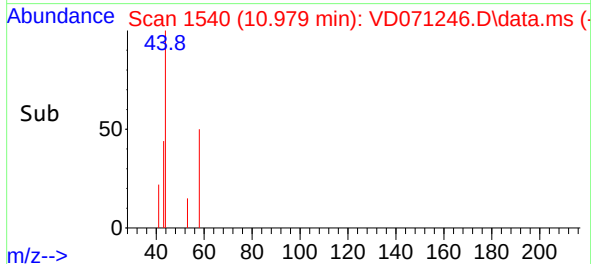
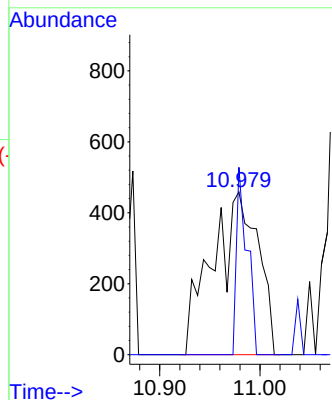


#59
2-Hexanone
Concen: 35.297 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

Instrument :
MSVOA_D
ClientSampleId :

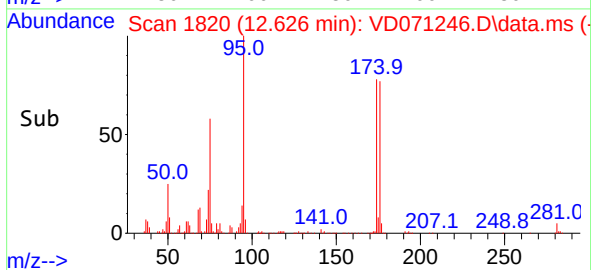
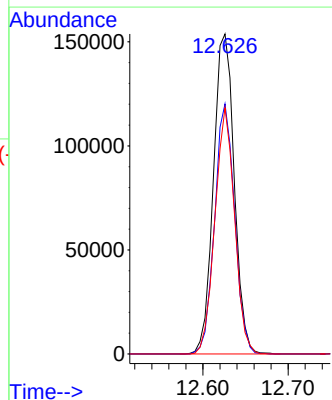
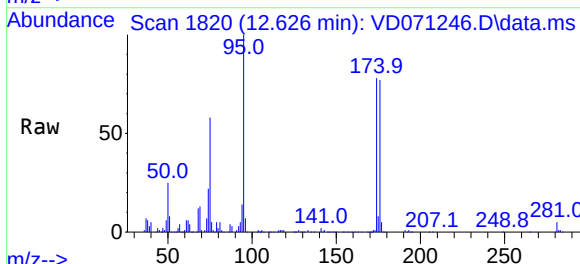


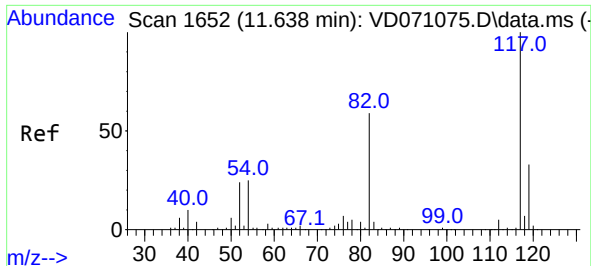
Tgt Ion: 43 Resp: 1462
Ion Ratio Lower Upper
43 100
58 26.9 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 61.141 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

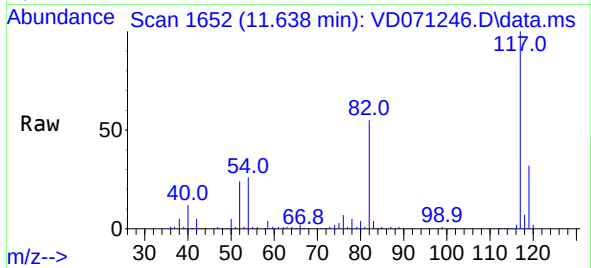
Tgt Ion: 95 Resp: 260985
Ion Ratio Lower Upper
95 100
174 75.2 0.0 159.4
176 72.6 0.0 154.0



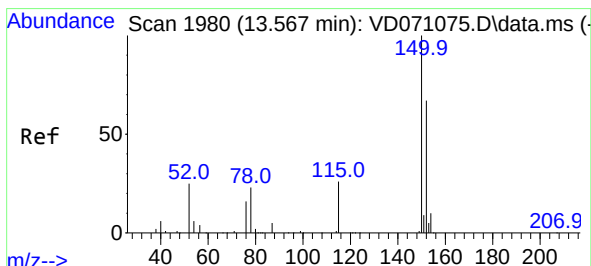
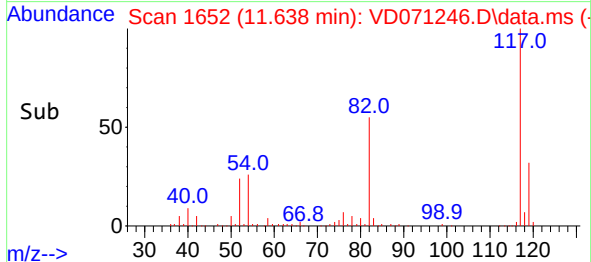
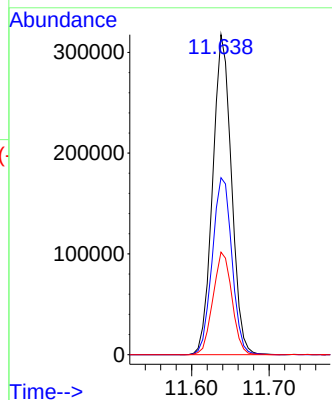


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

Instrument :
MSVOA_D
ClientSampleId :

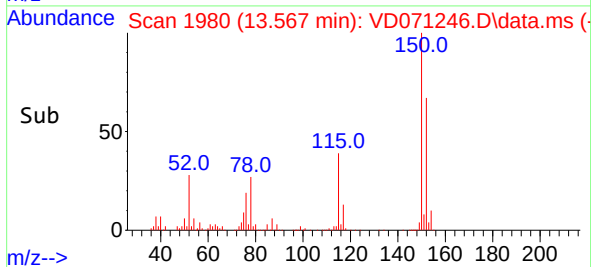
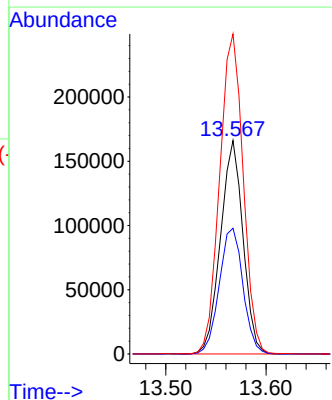
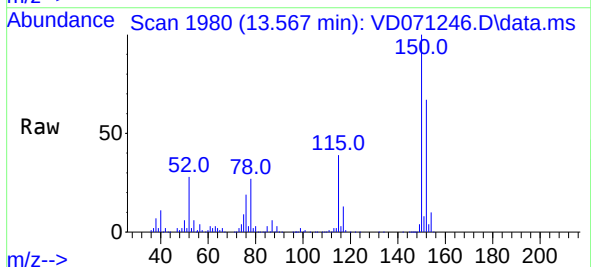


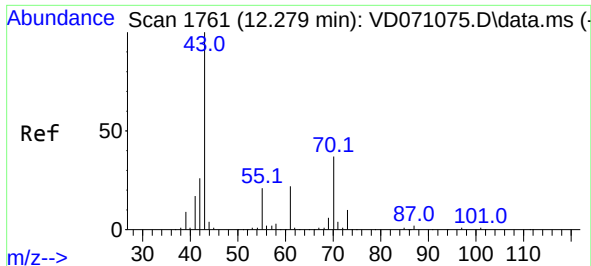
Tgt Ion:117 Resp: 535936
Ion Ratio Lower Upper
117 100
82 55.3 44.7 67.1
119 32.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

Tgt Ion:152 Resp: 258614
Ion Ratio Lower Upper
152 100
115 62.0 29.8 89.3
150 156.7 0.0 349.2

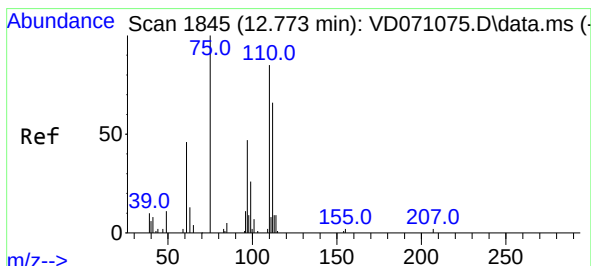
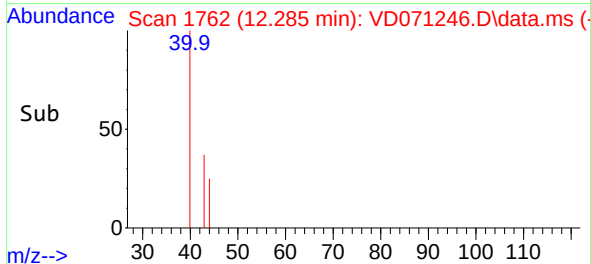
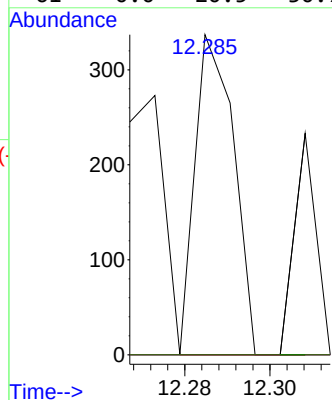
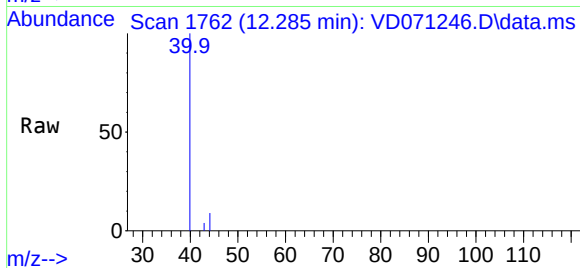




#74
N-amy1 acetate
Concen: 5.738 ug/l
RT: 12.285 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

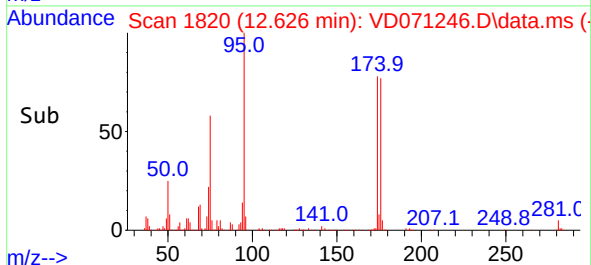
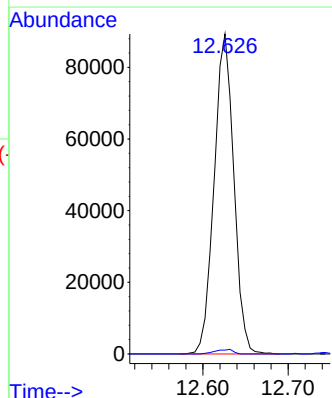
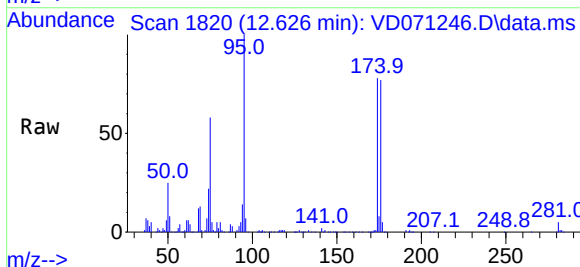
Instrument :
MSVOA_D
ClientSampleId :

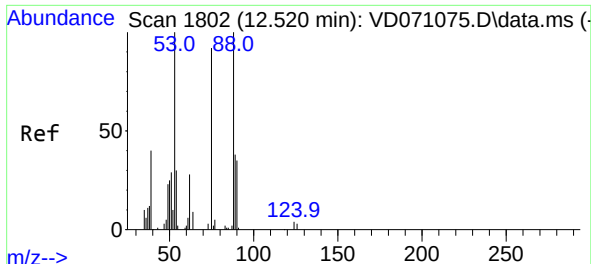
Tgt Ion: 43	Resp: 213
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 58.319 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071246.D
Acq: 10 Dec 2021 12:40

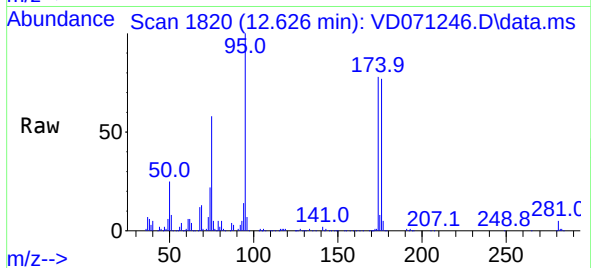
Tgt Ion: 75	Resp: 143696
Ion Ratio	Lower Upper
75 100	
77 1.3	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.427 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071246.D
 Acq: 10 Dec 2021 12:40

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 143696
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

