

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071214.D
 Acq On : 08 Dec 2021 19:13
 Operator : VA/SY
 Sample : M4965-10
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 09 10:19:48 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

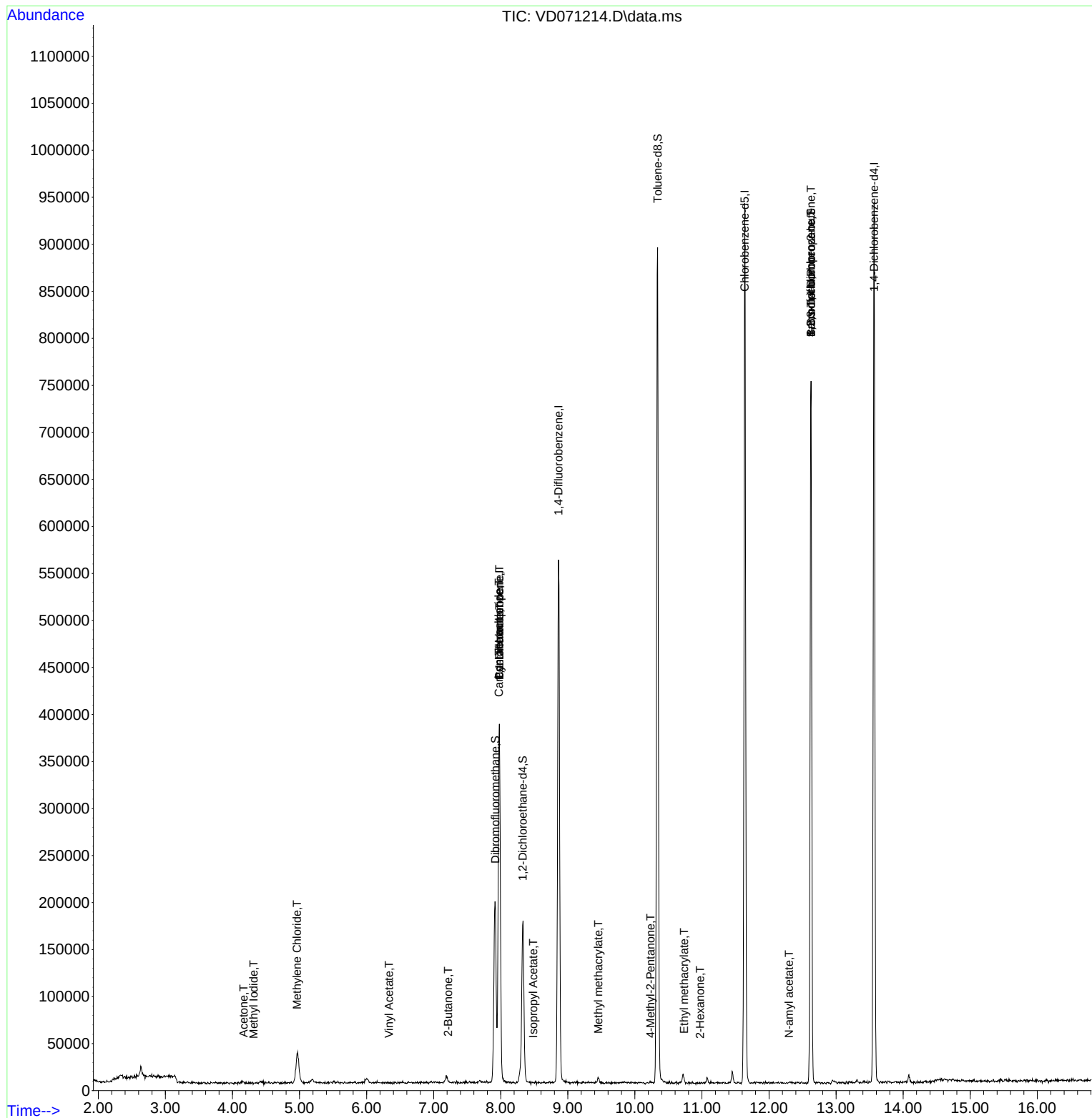
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	263470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	455696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	476281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	227844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	136141	44.037	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.080%
35) Dibromofluoromethane	7.920	113	138023	47.564	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.120%
50) Toluene-d8	10.338	98	591692	53.581	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.160%
62) 4-Bromofluorobenzene	12.626	95	226279	59.113	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.220%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.315	142	87	4.586	ug/l #	52
11) Tert butyl alcohol	5.209	59	2469	Below Cal	#	76
16) Acetone	4.168	43	2694	33.674	ug/l	96
20) Methylene Chloride	4.962	84	23006	3.490	ug/l #	95
23) Vinyl Acetate	6.332	43	167	27.248	ug/l #	72
25) 2-Butanone	7.215	43	394	28.727	ug/l #	45
31) Cyclohexane	7.979	56	7925	1.507	ug/l #	22
36) 1,1-Dichloropropene	7.979	75	25111	5.896	ug/l #	49
38) Carbon Tetrachloride	7.973	117	28315	6.744	ug/l #	16
41) Methacrylonitrile	7.485	41	104	Below Cal	#	12
43) Isopropyl Acetate	8.485	43	127	5.251	ug/l #	47
48) Methyl methacrylate	9.456	41	3471	1.927	ug/l #	72
51) 4-Methyl-2-Pentanone	10.232	43	596	30.904	ug/l #	34
56) Ethyl methacrylate	10.732	69	77	5.993	ug/l #	73
59) 2-Hexanone	10.973	43	88	34.622	ug/l #	22
71) Bromoform	12.626	173	2321	1.388	ug/l #	1
74) N-amyl acetate	12.297	43	259	5.752	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	127526	58.746	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	127526	127.310	ug/l #	18

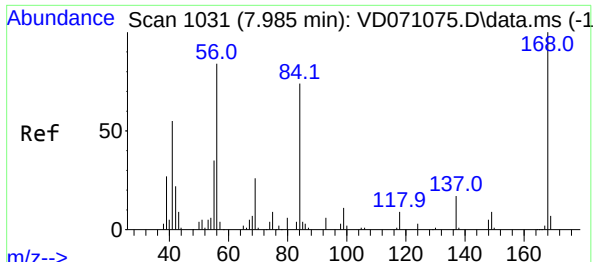
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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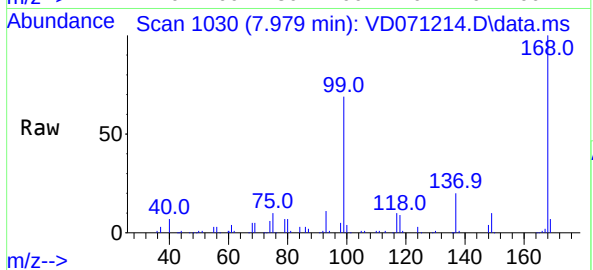
Quant Time: Dec 09 10:19:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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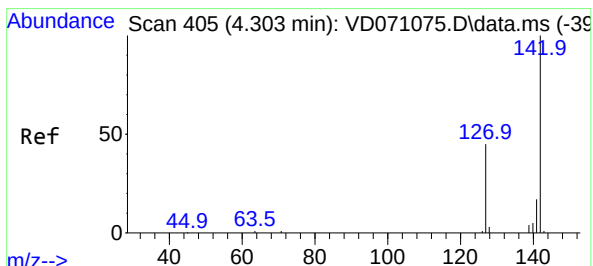
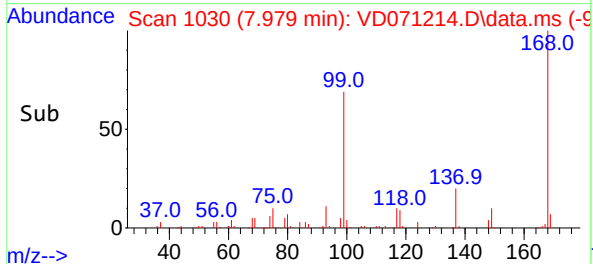
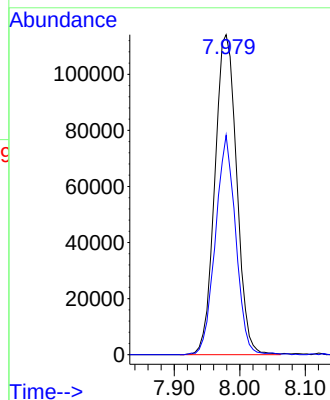


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

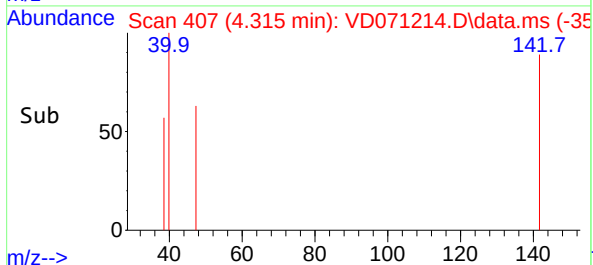
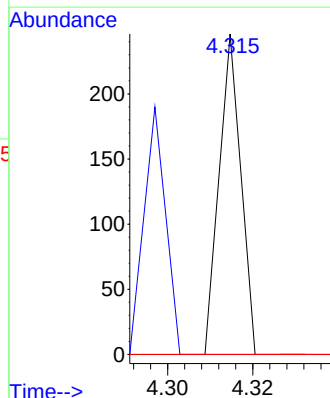
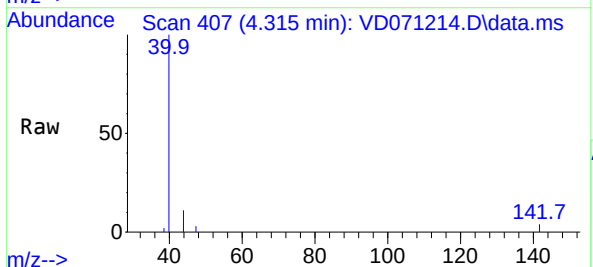


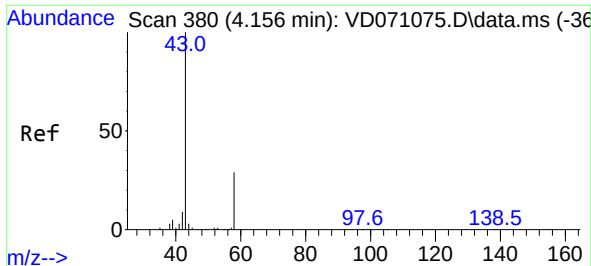
Tgt Ion:168 Resp: 263470
Ion Ratio Lower Upper
168 100
99 68.5 46.6 69.8



#10
Methyl Iodide
Concen: 4.586 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Tgt Ion:142 Resp: 87
Ion Ratio Lower Upper
142 100
127 77.0 35.0 52.4#
141 0.0 12.0 18.0#

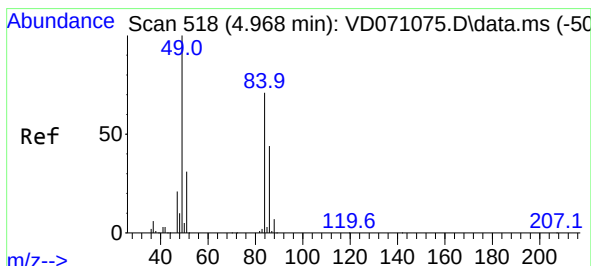
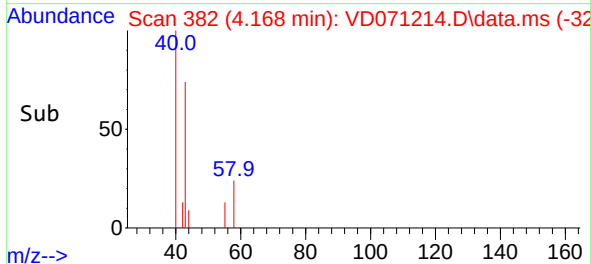
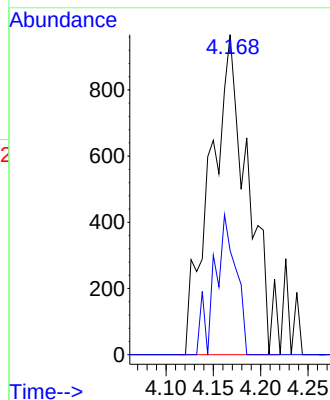
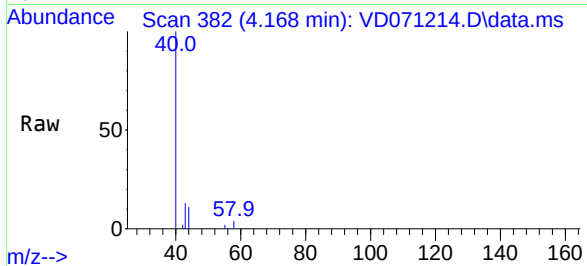




#16
Acetone
Concen: 33.674 ug/l
RT: 4.168 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

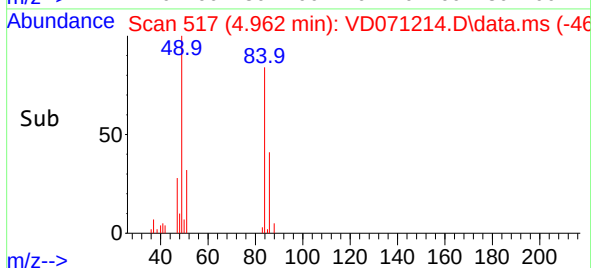
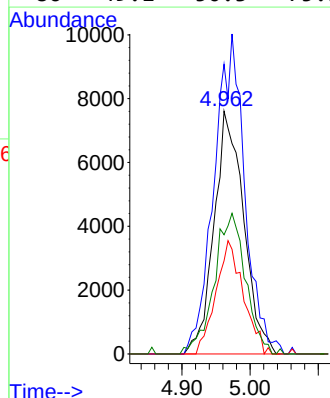
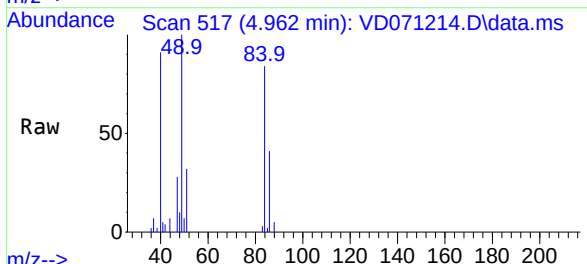
Instrument :
MSVOA_D
ClientSampleId :

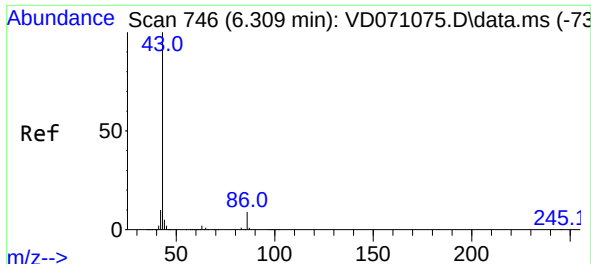
Tgt Ion: 43 Resp: 2694
Ion Ratio Lower Upper
43 100
58 32.6 27.8 41.8



#20
Methylene Chloride
Concen: 3.490 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Tgt Ion: 84 Resp: 23006
Ion Ratio Lower Upper
84 100
49 119.4 95.8 143.6
51 38.3 30.9 46.3
86 49.1 50.3 75.5#

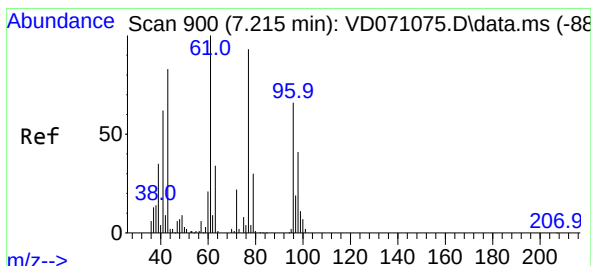
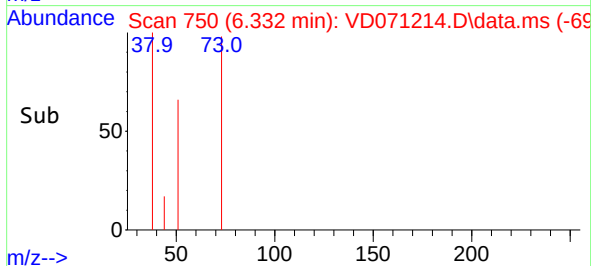
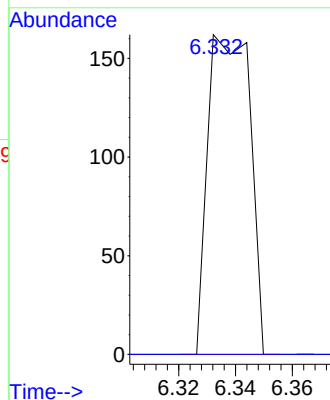
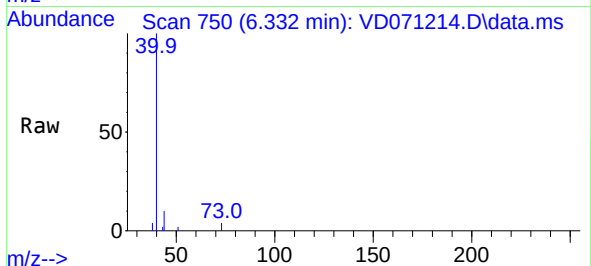




#23
 Vinyl Acetate
 Concen: 27.248 ug/l
 RT: 6.332 min Scan# 71
 Delta R.T. 0.023 min
 Lab File: VD071214.D
 Acq: 08 Dec 2021 19:13

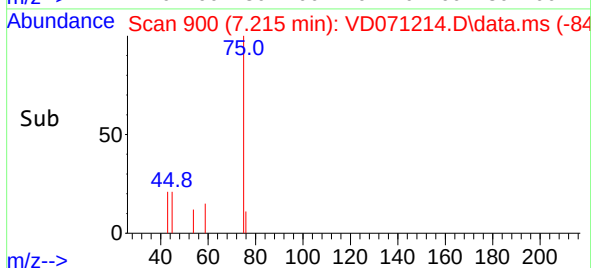
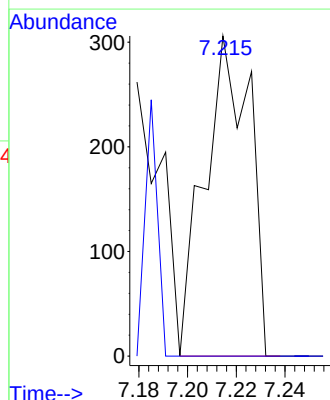
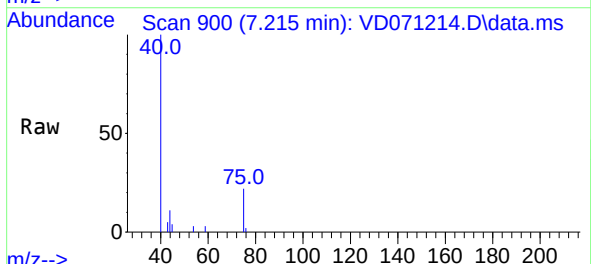
Instrument :
 MSVOA_D
 ClientSampleId :

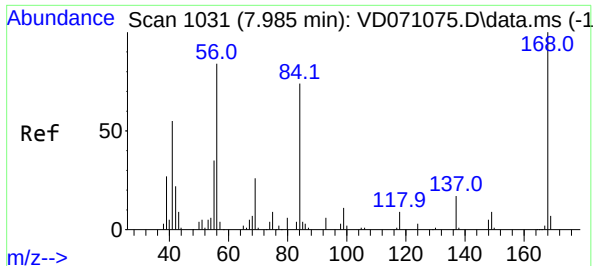
Tgt Ion: 43 Resp: 167
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.727 ug/l
 RT: 7.215 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD071214.D
 Acq: 08 Dec 2021 19:13

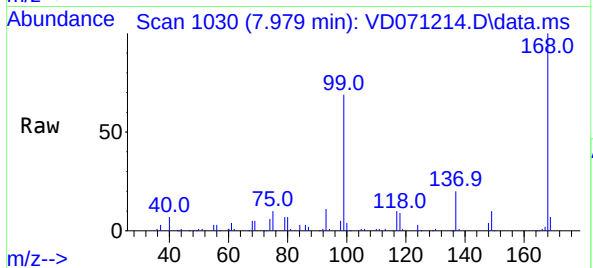
Tgt Ion: 43 Resp: 394
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



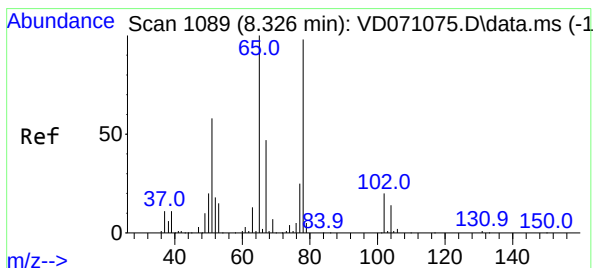
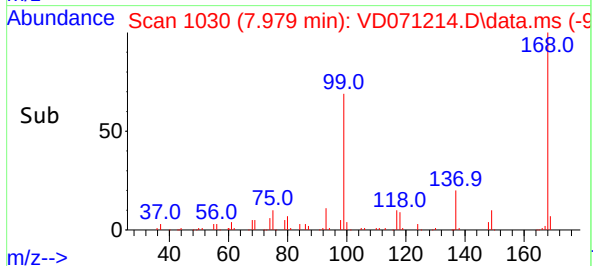
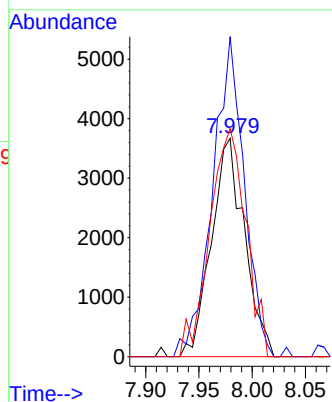


#31
Cyclohexane
Concen: 1.507 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

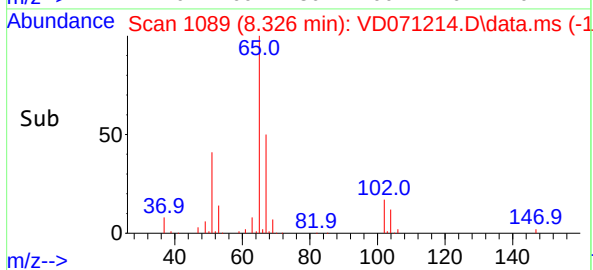
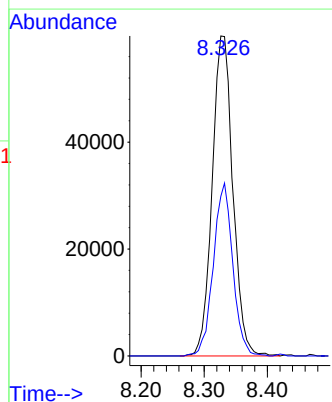
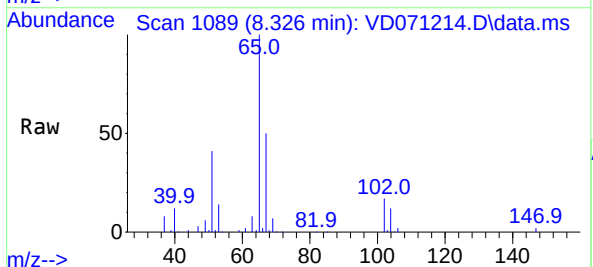


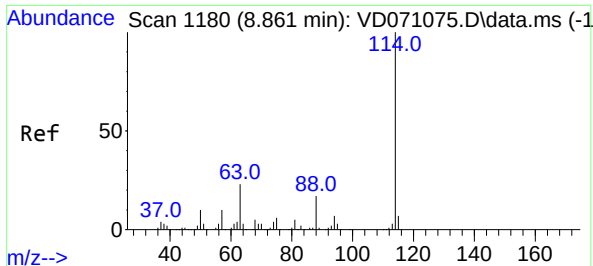
Tgt Ion: 56 Resp: 7925
Ion Ratio Lower Upper
56 100
69 146.6 25.9 38.9#
84 104.6 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 44.037 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Tgt Ion: 65 Resp: 136141
Ion Ratio Lower Upper
65 100
67 50.9 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: VD071214.D

Acq: 08 Dec 2021 19:13

Instrument :

MSVOA_D

ClientSampleId :

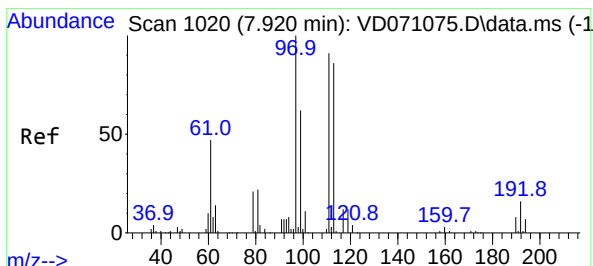
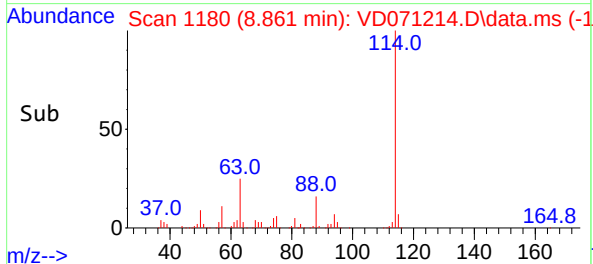
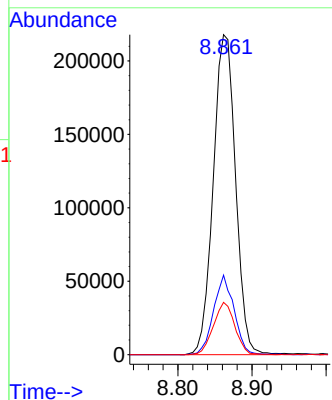
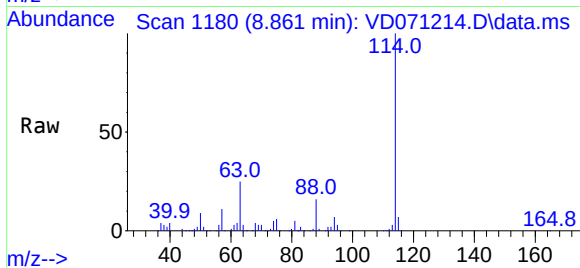
Tgt Ion:114 Resp: 455696

Ion Ratio Lower Upper

114 100

63 24.8 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.564 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD071214.D

Acq: 08 Dec 2021 19:13

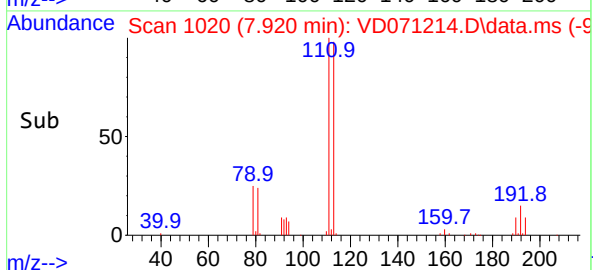
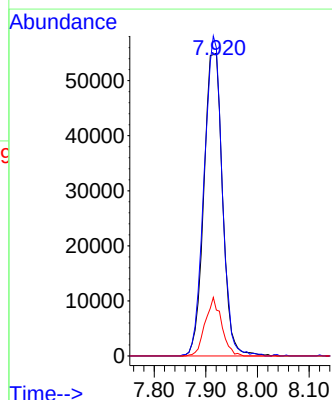
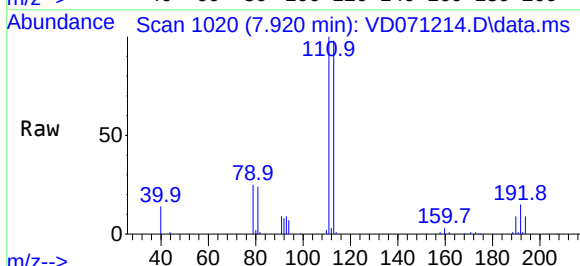
Tgt Ion:113 Resp: 138023

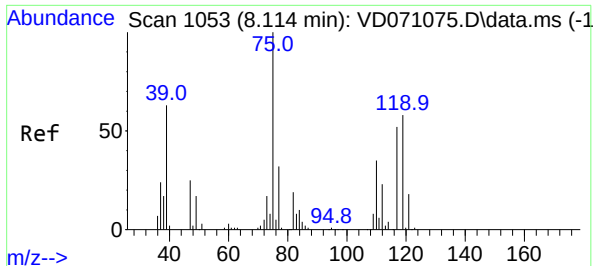
Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 17.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.896 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD071214.D

Acq: 08 Dec 2021 19:13

Instrument :

MSVOA_D

ClientSampleId :

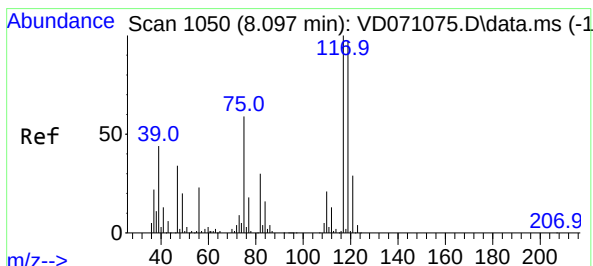
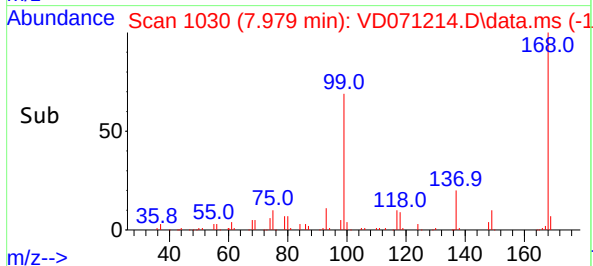
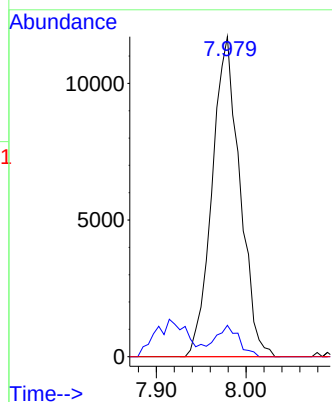
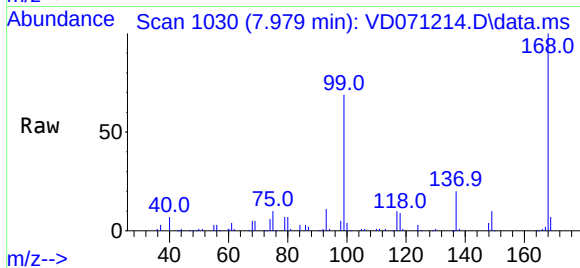
Tgt Ion: 75 Resp: 25111

Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.744 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071214.D

Acq: 08 Dec 2021 19:13

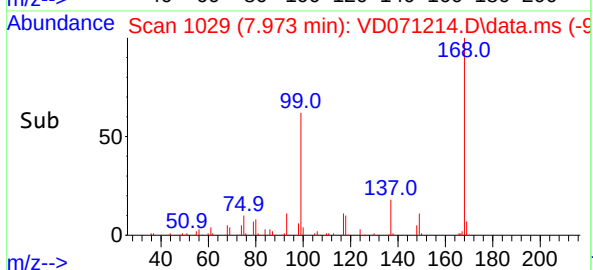
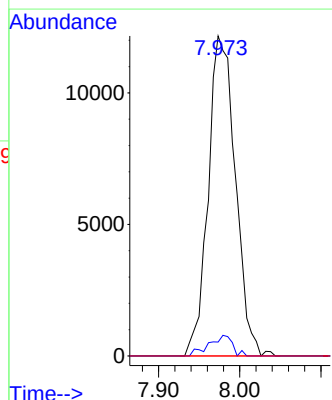
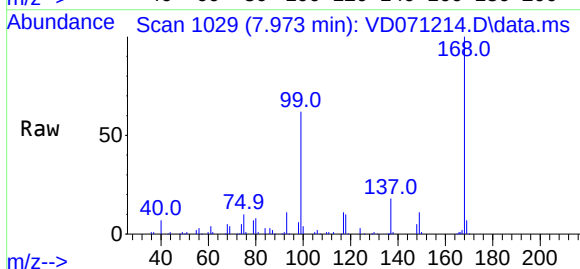
Tgt Ion: 117 Resp: 28315

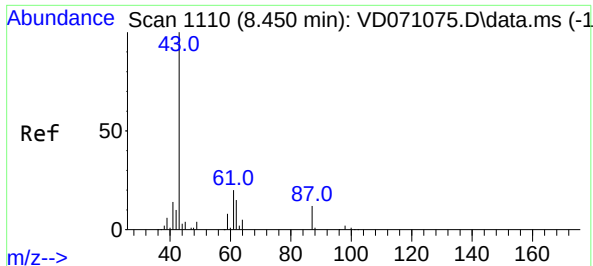
Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.6#

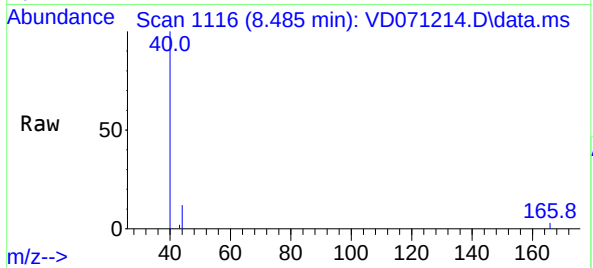
121 0.0 23.6 35.4#



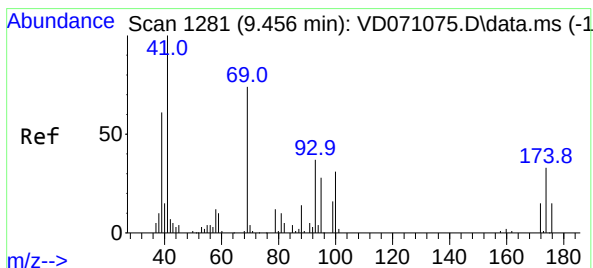
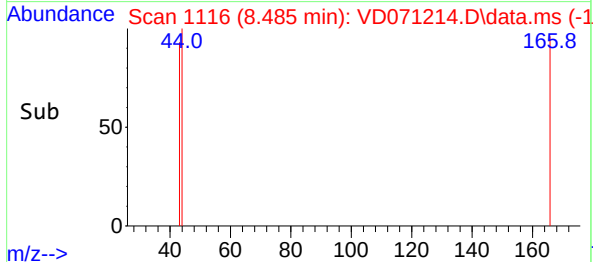
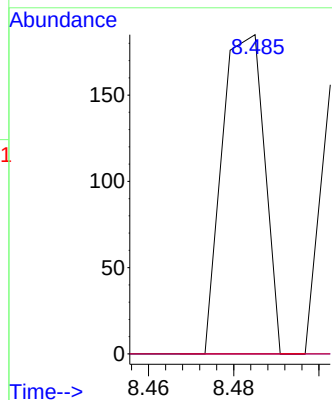


#43
Isopropyl Acetate
Concen: 5.251 ug/l
RT: 8.485 min Scan# 1110
Delta R.T. 0.035 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

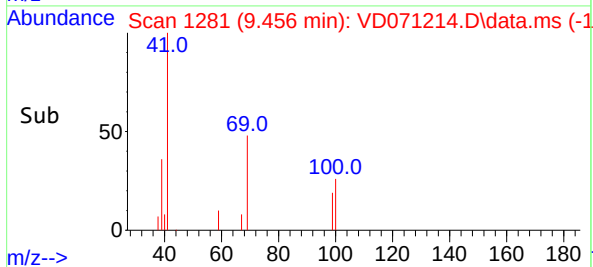
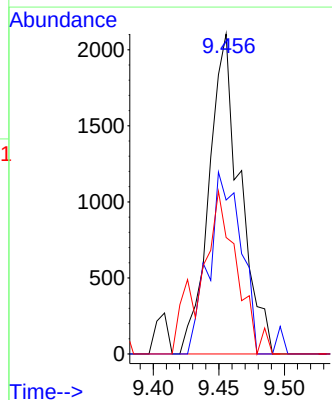
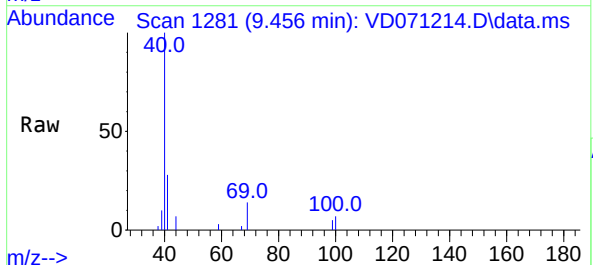


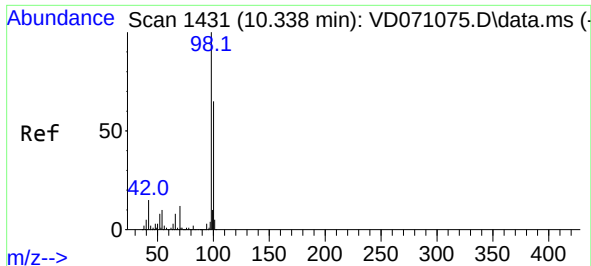
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#48
Methyl methacrylate
Concen: 1.927 ug/l
RT: 9.456 min Scan# 1281
Delta R.T. -0.000 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Tgt Ion: 41 Resp: 3471
Ion Ratio Lower Upper
41 100
69 59.1 69.8 104.6#
39 58.8 35.6 53.4#

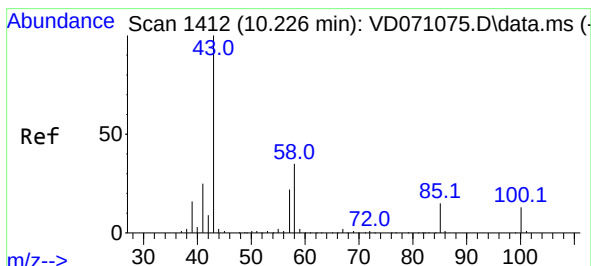
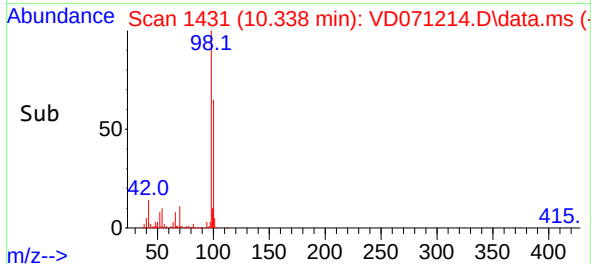
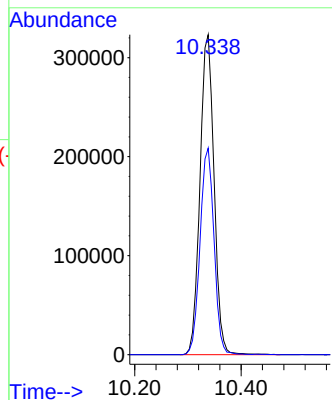
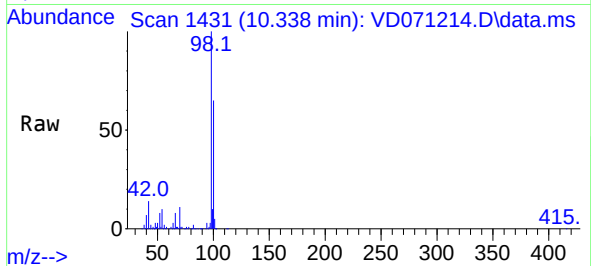




#50
Toluene-d8
Concen: 53.581 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

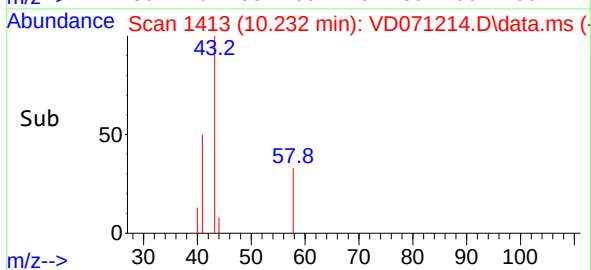
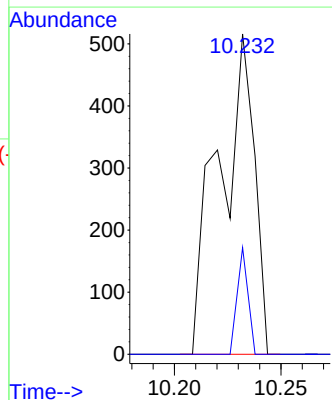
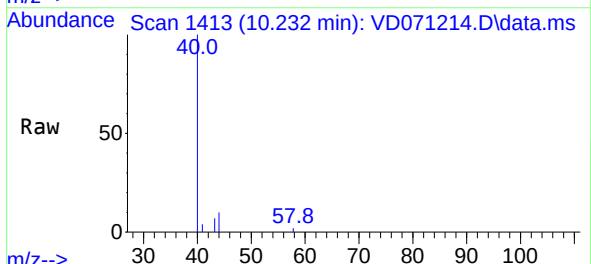
Instrument :
MSVOA_D
ClientSampleId :

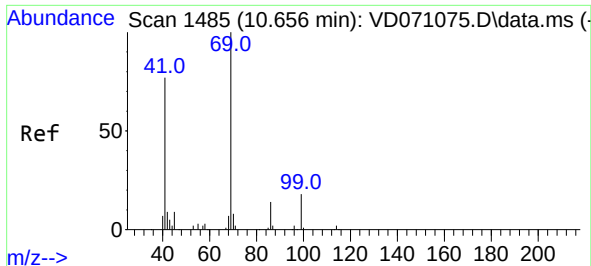
Tgt Ion: 98 Resp: 591692
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.904 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

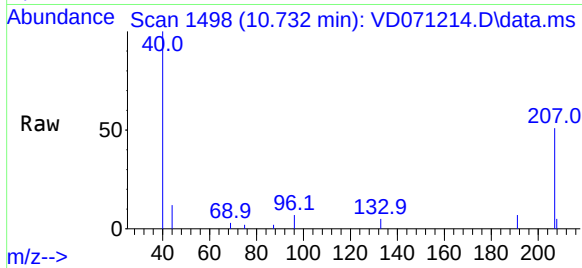
Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



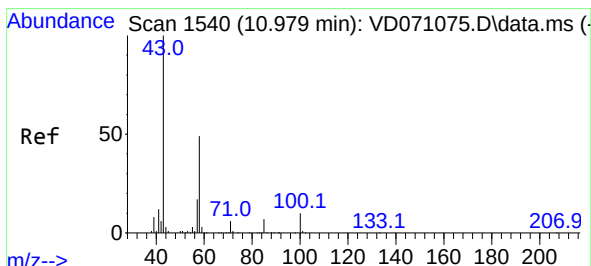
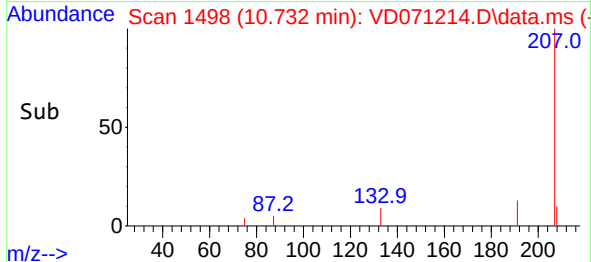
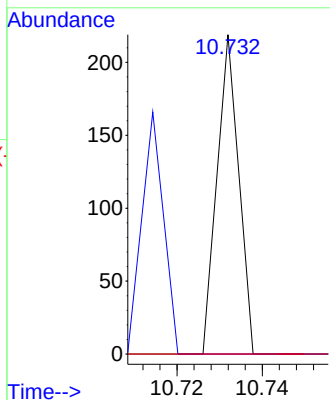


#56
Ethyl methacrylate
Concen: 5.993 ug/l
RT: 10.732 min Scan# 1498
Delta R.T. 0.076 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

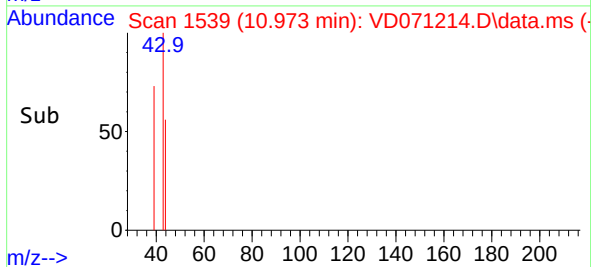
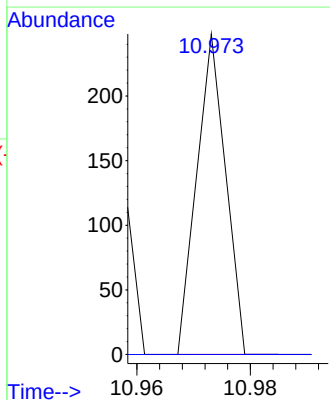
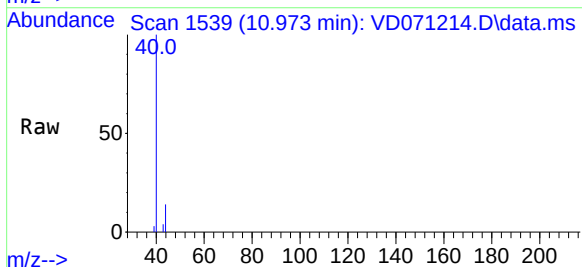


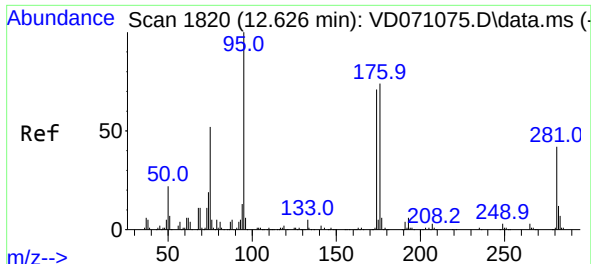
Tgt Ion: 69 Resp: 77
Ion Ratio Lower Upper
69 100
41 76.6 50.2 75.2#
39 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.622 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

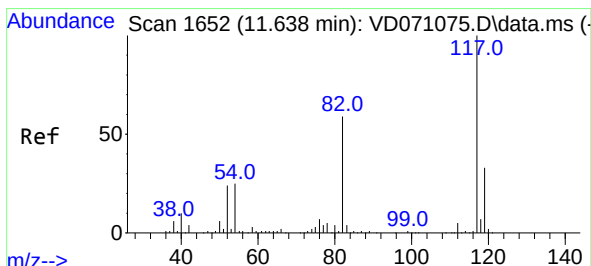
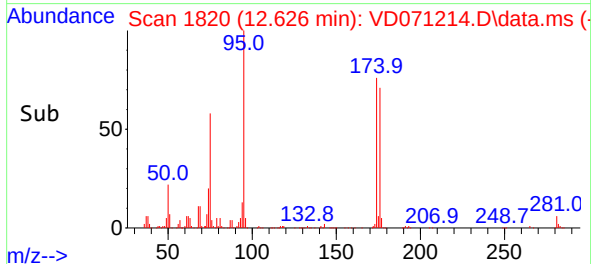
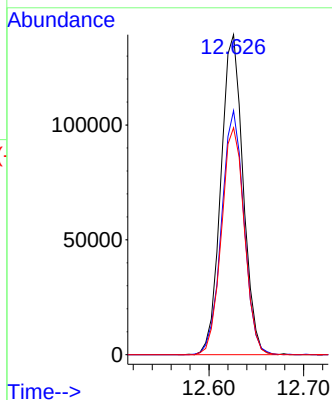
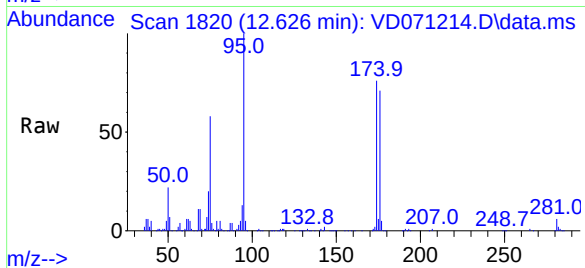




#62
4-Bromofluorobenzene
Concen: 59.113 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

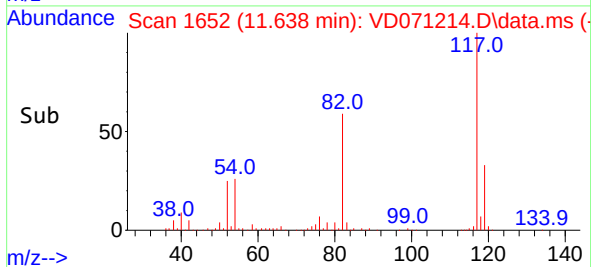
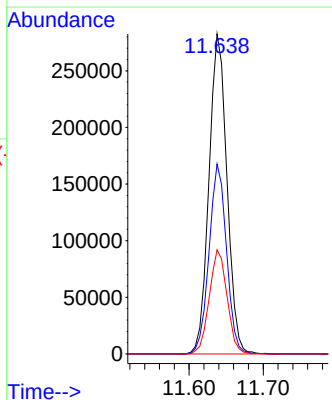
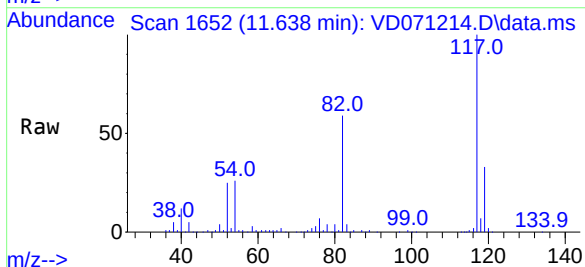
Instrument :
MSVOA_D
ClientSampleId :

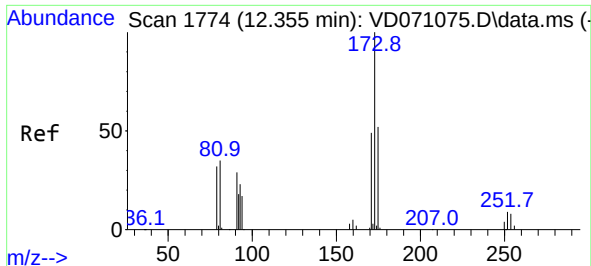
Tgt Ion: 95 Resp: 226279
Ion Ratio Lower Upper
95 100
174 77.0 0.0 159.4
176 73.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Tgt Ion: 117 Resp: 476281
Ion Ratio Lower Upper
117 100
82 59.3 44.7 67.1
119 32.6 26.2 39.4

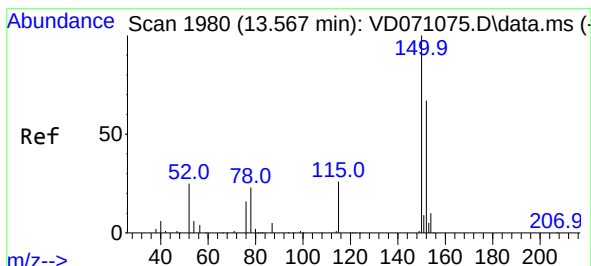
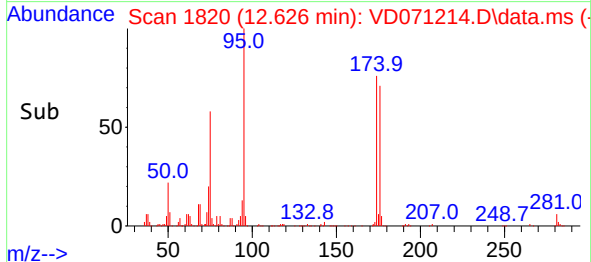
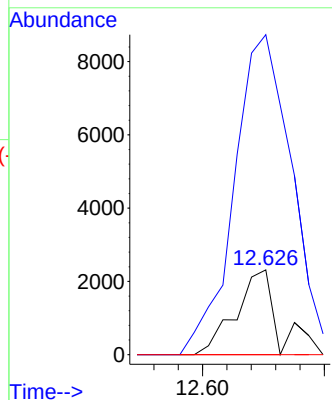
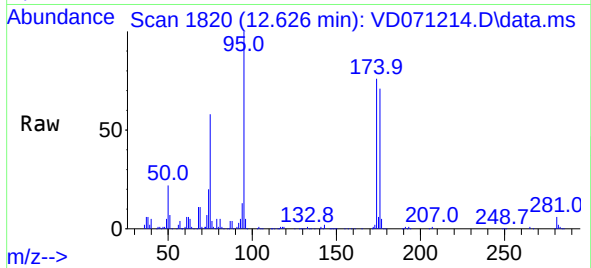




#71
Bromoform
Concen: 1.388 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

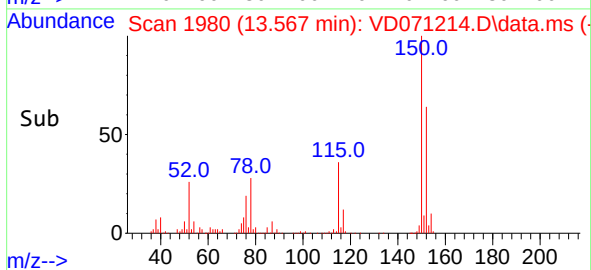
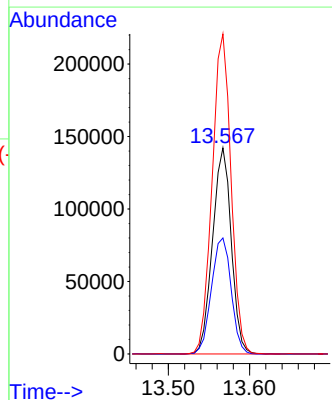
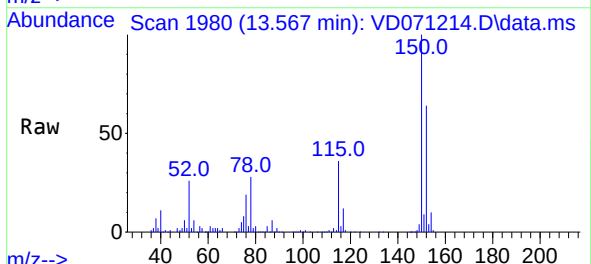
Instrument :
MSVOA_D
ClientSampleId :

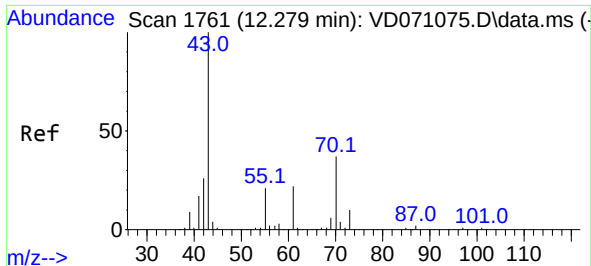
Tgt Ion:173 Resp: 2321
Ion Ratio Lower Upper
173 100
175 502.7 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

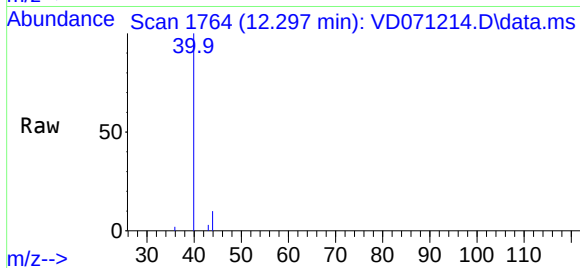
Tgt Ion:152 Resp: 227844
Ion Ratio Lower Upper
152 100
115 59.2 29.8 89.3
150 156.4 0.0 349.2



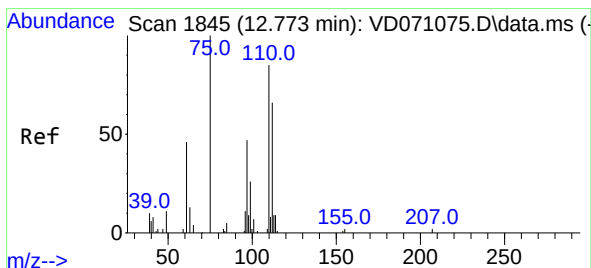
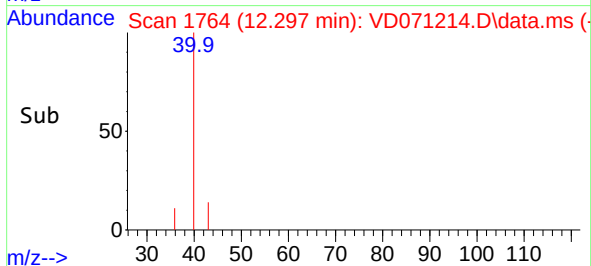
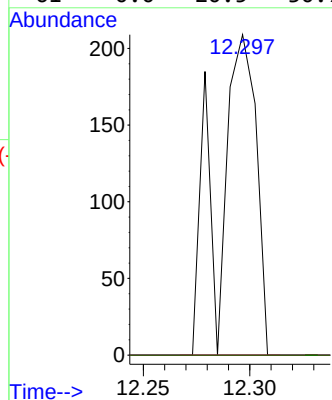


#74
N-amy1 acetate
Concen: 5.752 ug/l
RT: 12.297 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

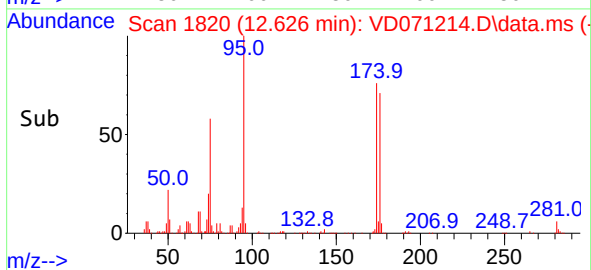
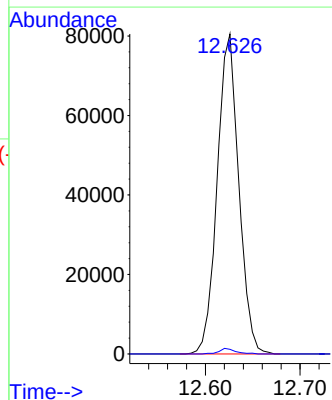
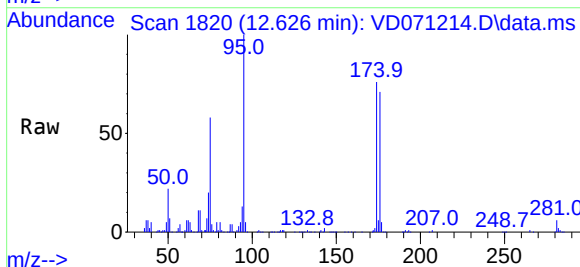


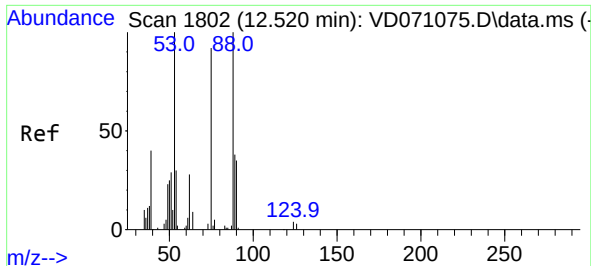
Tgt Ion: 43	Resp: 259
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 58.746 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071214.D
Acq: 08 Dec 2021 19:13

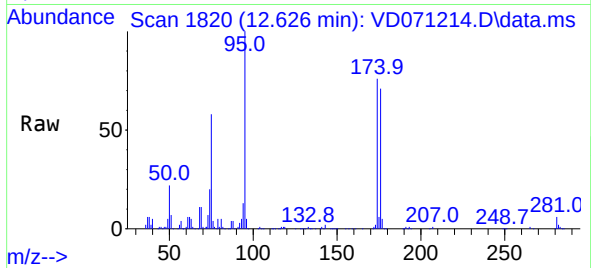
Tgt Ion:	75	Resp:	127526
Ion	Ratio	Lower	Upper
75	100		
77	1.3	158.4	475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.310 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071214.D
 Acq: 08 Dec 2021 19:13

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 127526
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.1 34.5 51.7#

