

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071414.D
 Acq On : 21 Dec 2021 16:53
 Operator : VA/SY
 Sample : M5184-06
 Misc : 7.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 19:09:36 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)

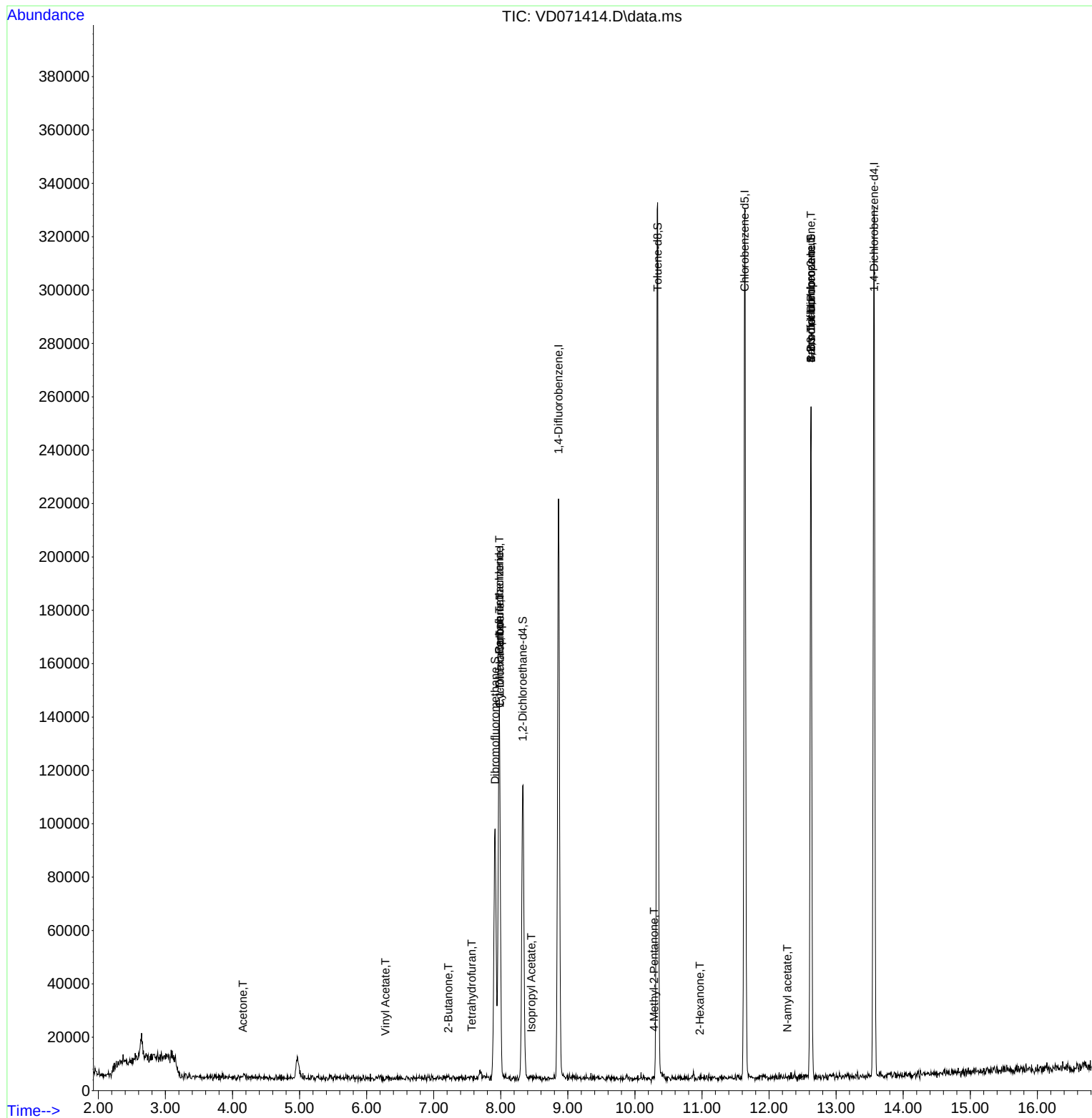
Internal Standards						
1) Pentafluorobenzene	7.979	168	94521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	174623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	170641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	78938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	90582	81.672	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 163.340%#			
35) Dibromofluoromethane	7.914	113	66356	59.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.340%			
50) Toluene-d8	10.338	98	218498	51.634	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.260%			
62) 4-Bromofluorobenzene	12.626	95	77338	52.724	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.440%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.226	59	66	Below Cal	#	71
16) Acetone	4.156	43	1964	36.643	ug/l #	69
20) Methylene Chloride	4.961	84	2693	Below Cal		87
23) Vinyl Acetate	6.279	43	156	27.295	ug/l #	72
25) 2-Butanone	7.220	43	216	28.922	ug/l #	45
29) Tetrahydrofuran	7.567	42	297	1.686	ug/l #	34
31) Cyclohexane	7.985	56	2998	1.589	ug/l #	64
36) 1,1-Dichloropropene	7.985	75	8549	5.238	ug/l #	51
38) Carbon Tetrachloride	7.979	117	10918	6.786	ug/l #	19
41) Methacrylonitrile	7.544	41	149	Below Cal	#	37
43) Isopropyl Acetate	8.455	43	58	5.256	ug/l #	47
51) 4-Methyl-2-Pentanone	10.285	43	162	30.831	ug/l #	34
59) 2-Hexanone	10.967	43	69	34.673	ug/l #	22
71) Bromoform	12.626	173	1191	1.989	ug/l #	1
74) N-amyl acetate	12.273	43	115	5.766	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	43255	57.513	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	43255	124.760	ug/l #	18

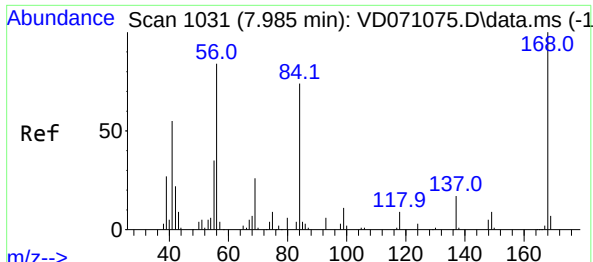
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 19:09:36 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

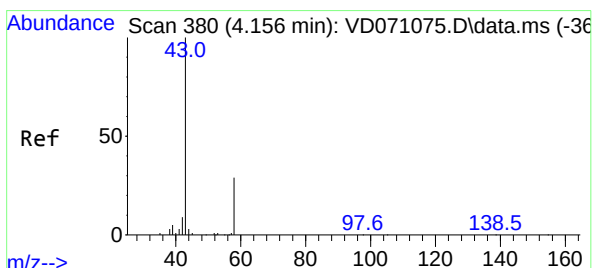
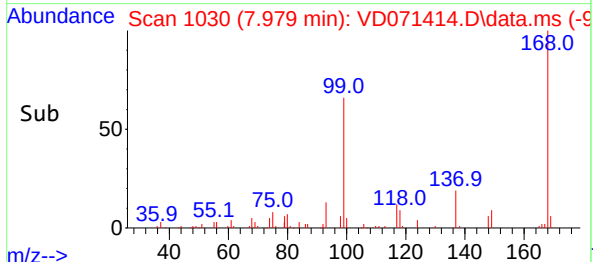
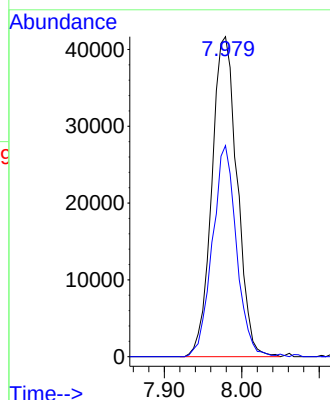
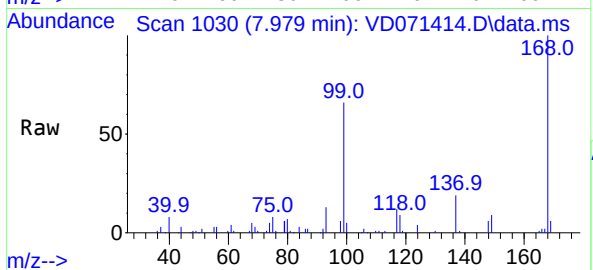




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

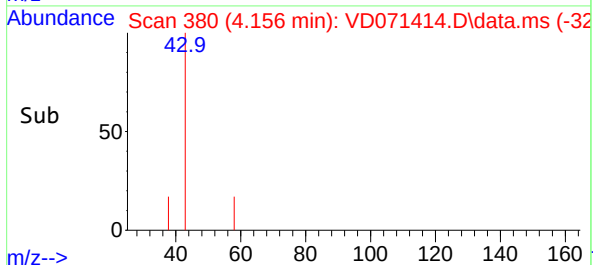
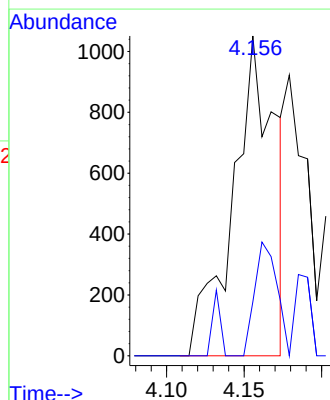
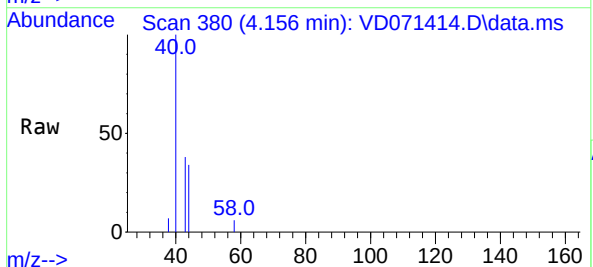
Instrument :
MSVOA_D
ClientSampleId :

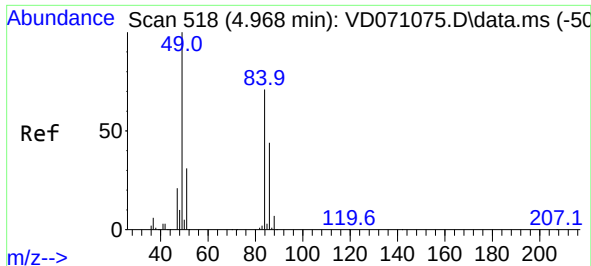
Tgt Ion:168 Resp: 94521
Ion Ratio Lower Upper
168 100
99 66.0 46.6 69.8



#16
Acetone
Concen: 36.643 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

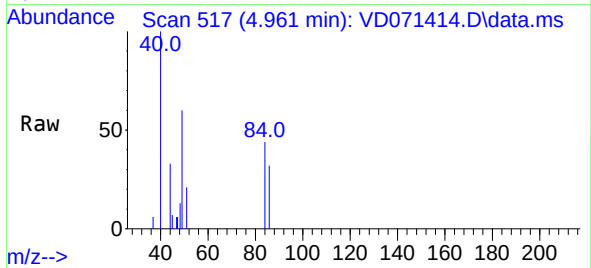
Tgt Ion: 43 Resp: 1964
Ion Ratio Lower Upper
43 100
58 16.8 27.8 41.8#





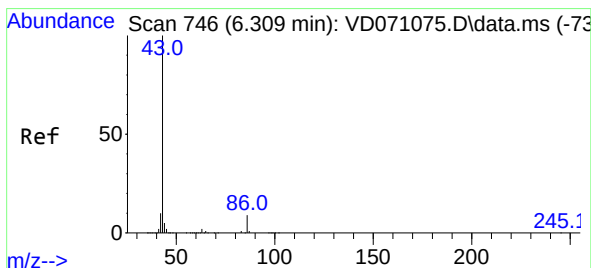
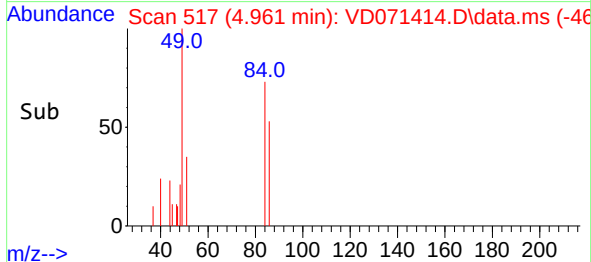
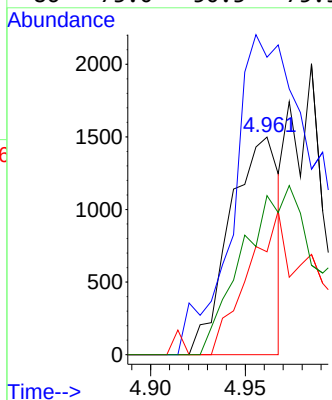
#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 518
Delta R.T. -0.007 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 2693

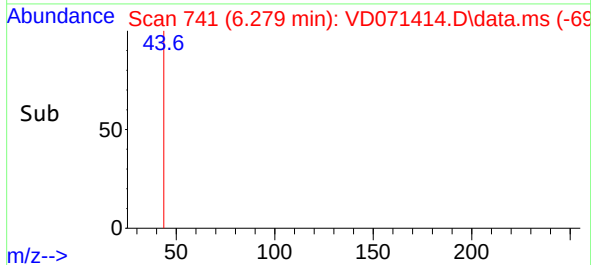
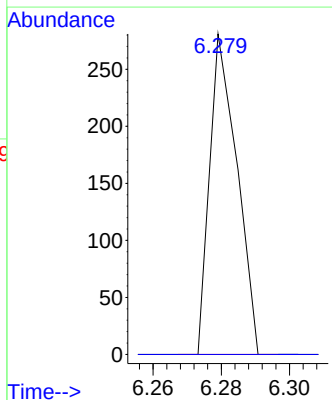
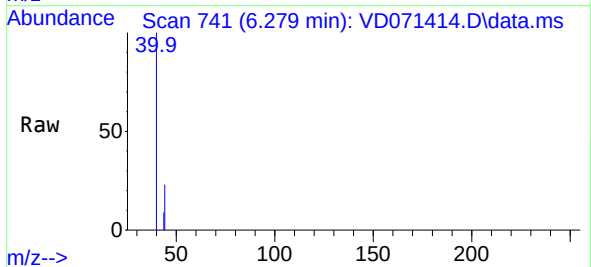
Ion	Ratio	Lower	Upper
84	100		
49	136.7	95.8	143.6
51	36.0	30.9	46.3
86	73.0	50.3	75.5

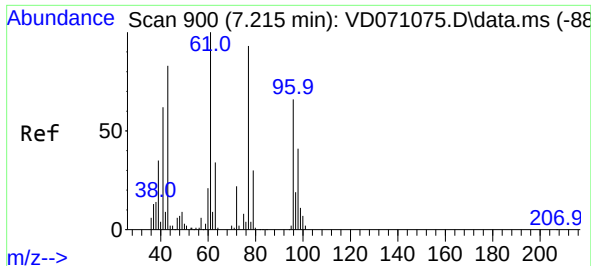


#23
Vinyl Acetate
Concen: 27.295 ug/l
RT: 6.279 min Scan# 741
Delta R.T. -0.030 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

Tgt Ion: 43 Resp: 156

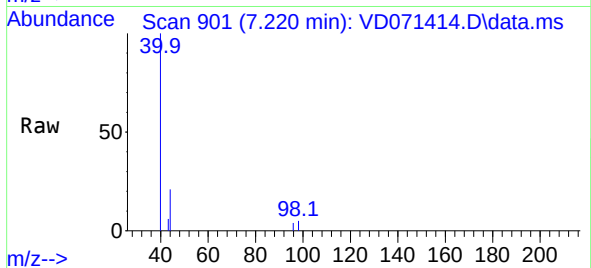
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4



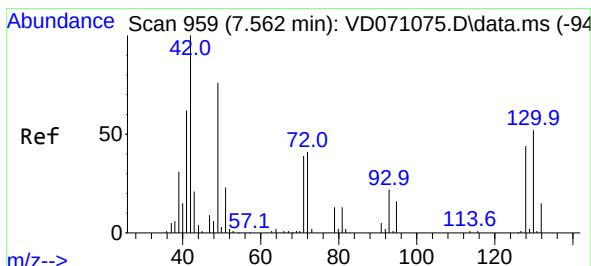
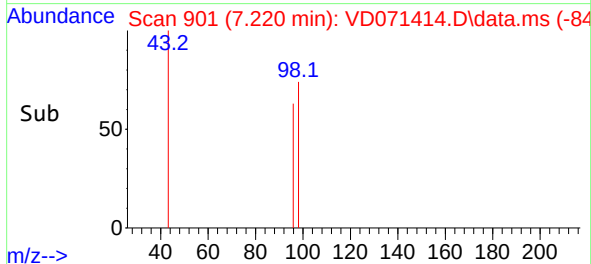
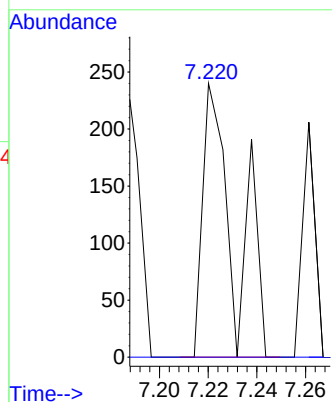


#25
2-Butanone
Concen: 28.922 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.005 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :

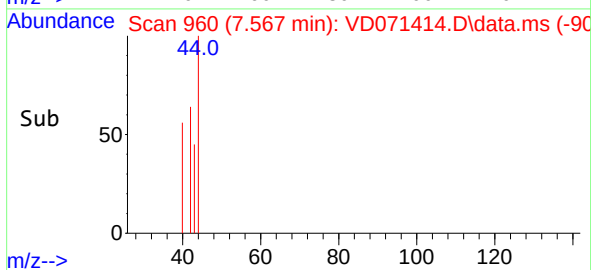
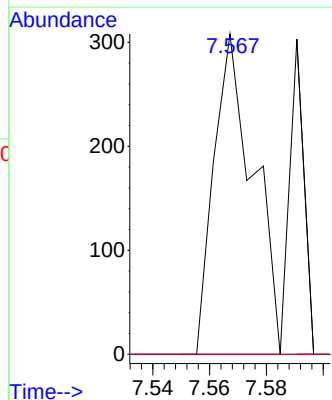
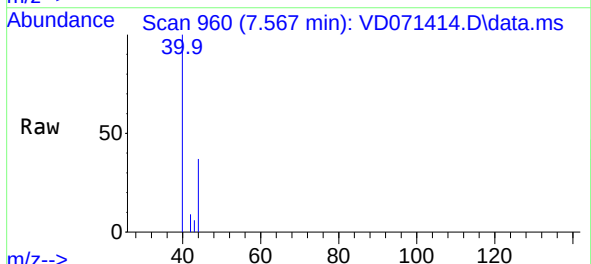


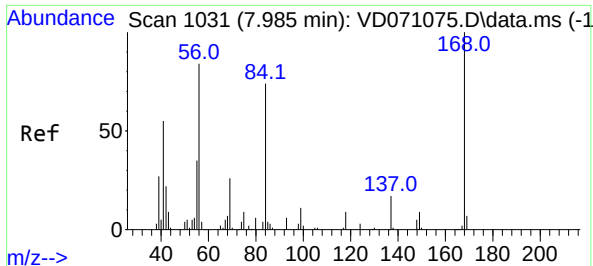
Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.686 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.005 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

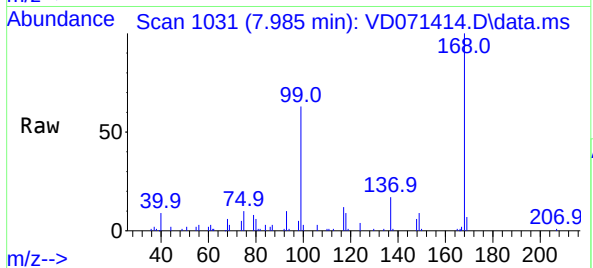
Tgt Ion: 42 Resp: 297
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



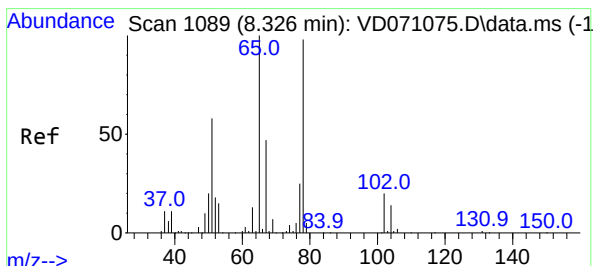
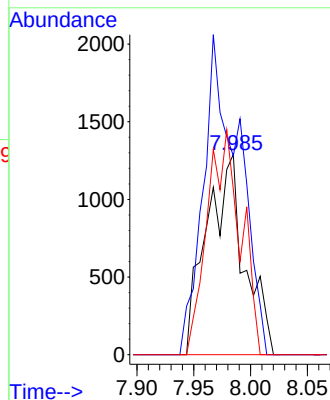
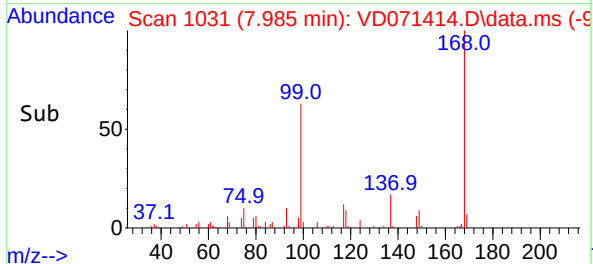


#31
Cyclohexane
Concen: 1.589 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :

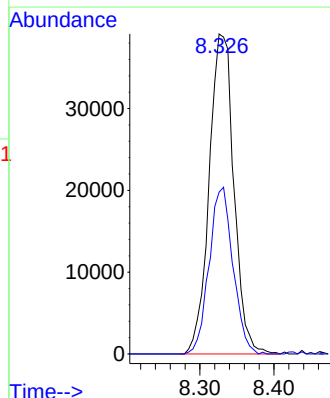
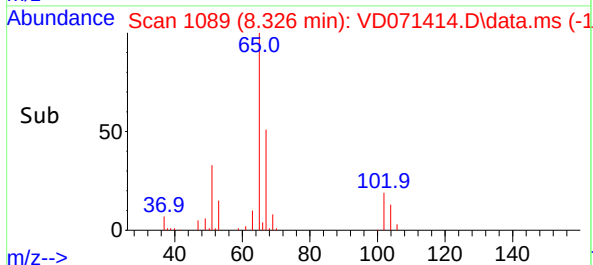
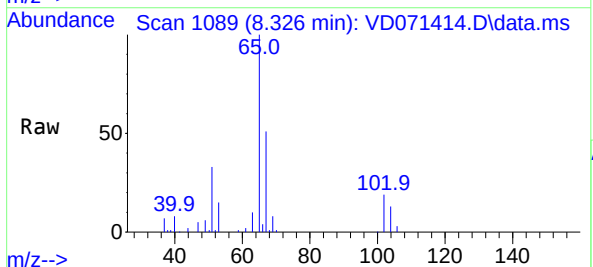


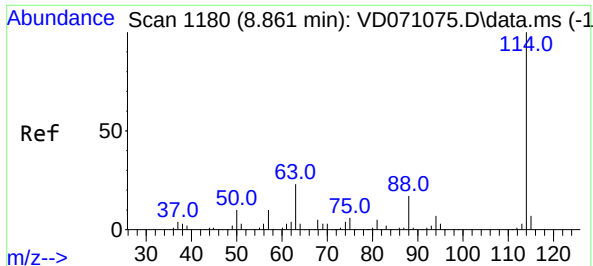
Tgt Ion: 56 Resp: 2998
Ion Ratio Lower Upper
56 100
69 99.3 25.9 38.9#
84 82.6 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 81.672 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

Tgt Ion: 65 Resp: 90582
Ion Ratio Lower Upper
65 100
67 50.2 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071414.D

Acq: 21 Dec 2021 16:53

Instrument :

MSVOA_D

ClientSampleId :

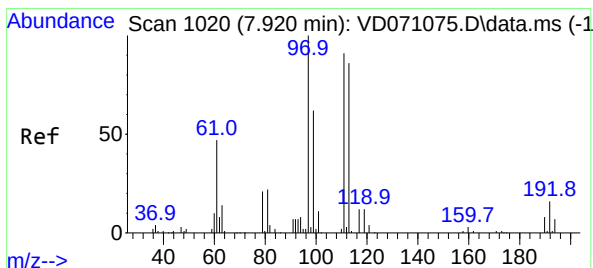
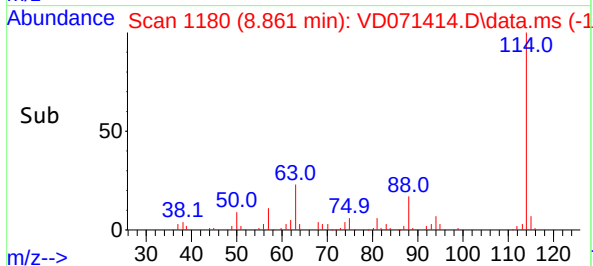
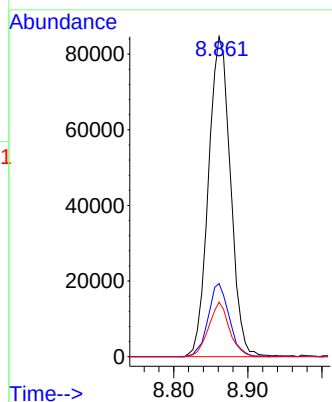
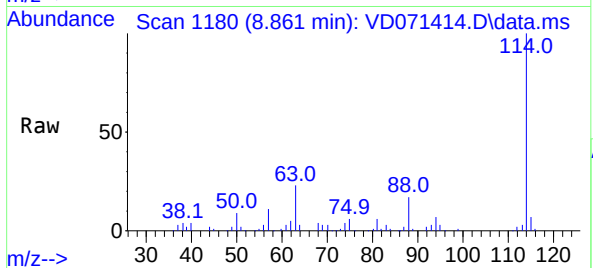
Tgt Ion:114 Resp: 174623

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 17.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 59.674 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071414.D

Acq: 21 Dec 2021 16:53

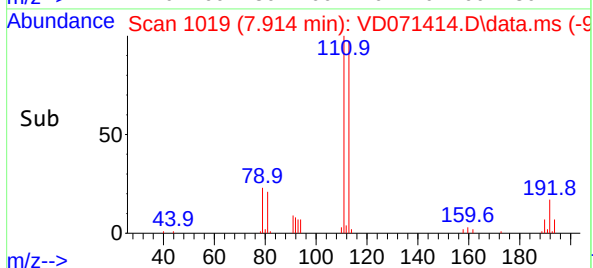
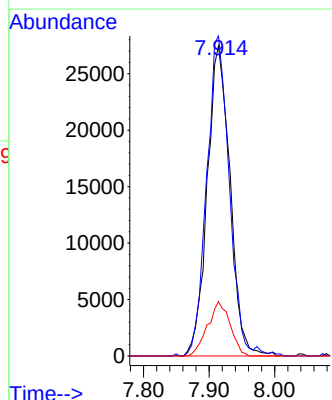
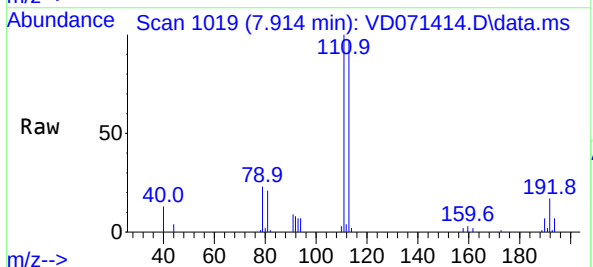
Tgt Ion:113 Resp: 66356

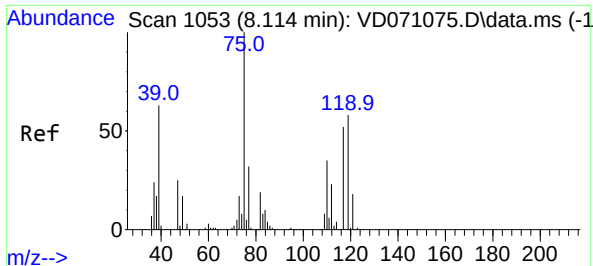
Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 17.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.238 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

Lab File: VD071414.D

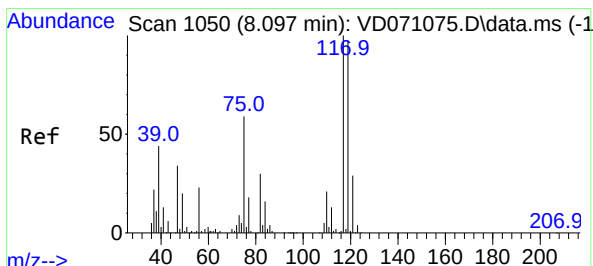
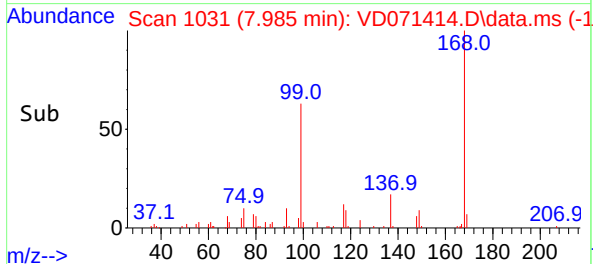
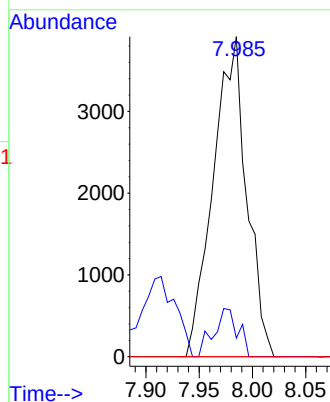
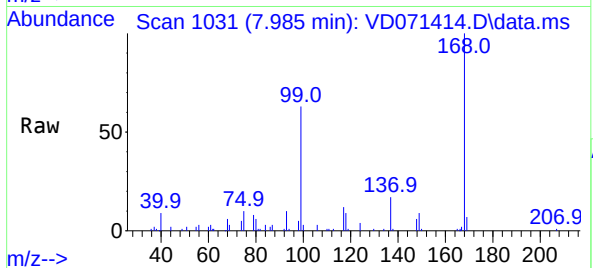
Acq: 21 Dec 2021 16:53

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 8549
Ion Ratio	Lower Upper
75 100	
110 10.8	17.8 53.4#
77 0.0	24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.786 ug/l

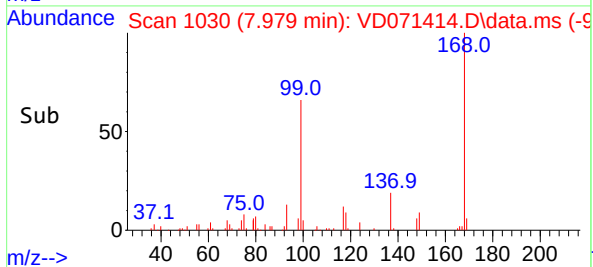
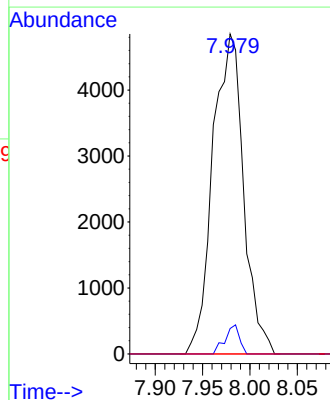
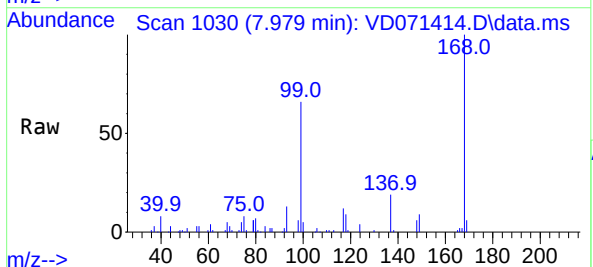
RT: 7.979 min Scan# 1030

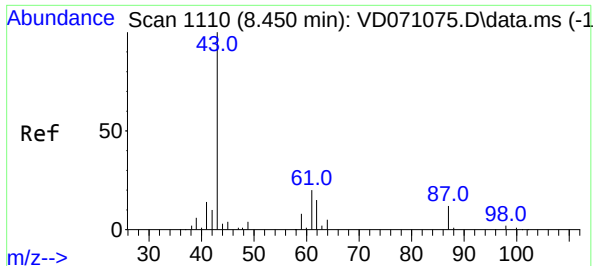
Delta R.T. -0.118 min

Lab File: VD071414.D

Acq: 21 Dec 2021 16:53

Tgt Ion: 117	Resp: 10918
Ion Ratio	Lower Upper
117 100	
119 7.9	75.8 113.6#
121 0.0	23.6 35.4#

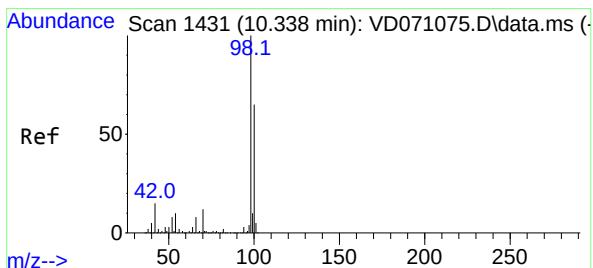
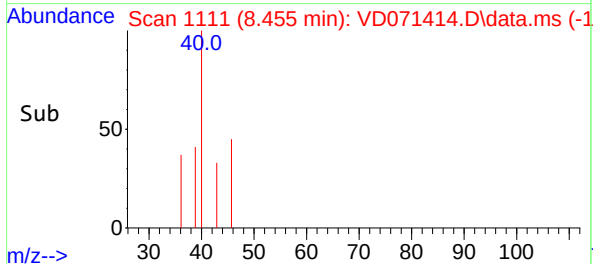
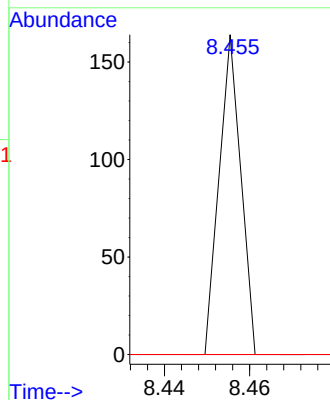
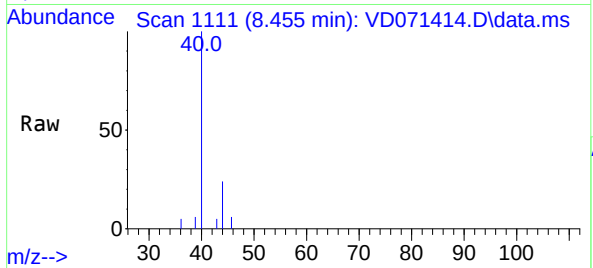




#43
Isopropyl Acetate
Concen: 5.256 ug/l
RT: 8.455 min Scan# 1110
Delta R.T. 0.005 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

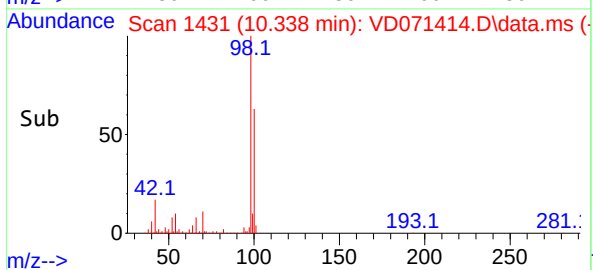
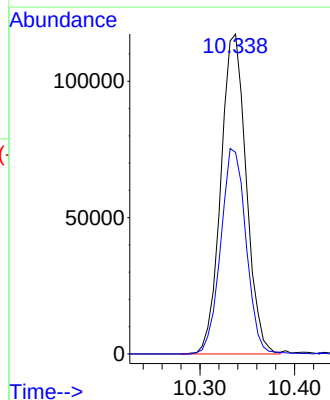
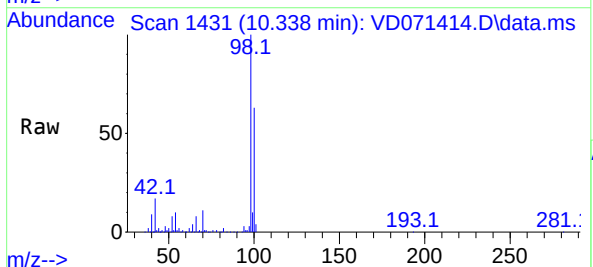
Instrument :
MSVOA_D
ClientSampleId :

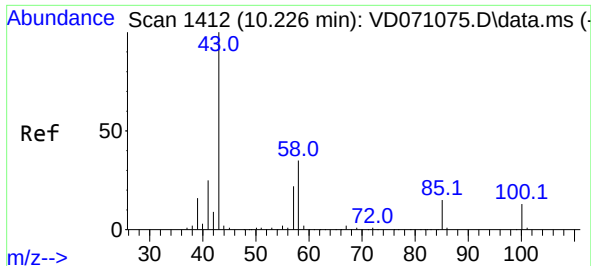
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 51.634 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

Tgt Ion: 98 Resp: 218498
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6

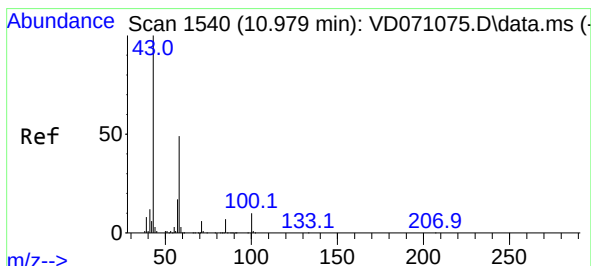
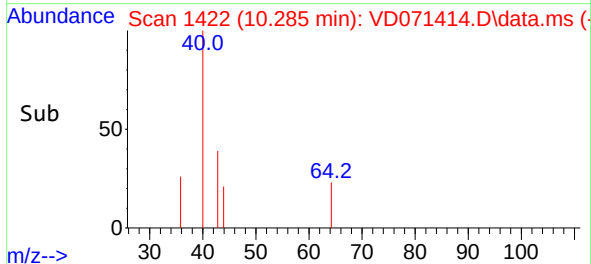
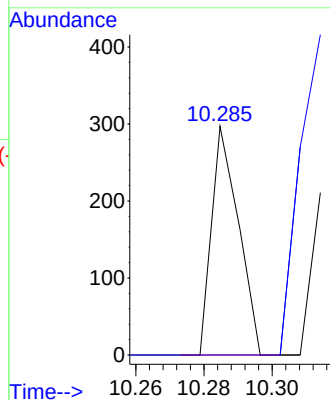
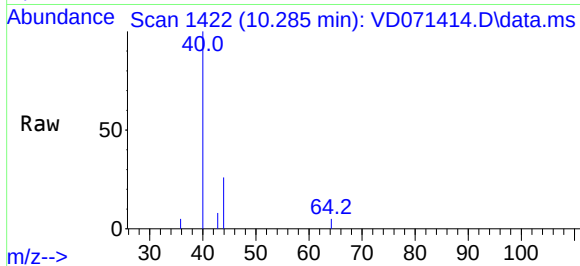




#51
4-Methyl-2-Pentanone
Concen: 30.831 ug/l
RT: 10.285 min Scan# 1412
Delta R.T. 0.059 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

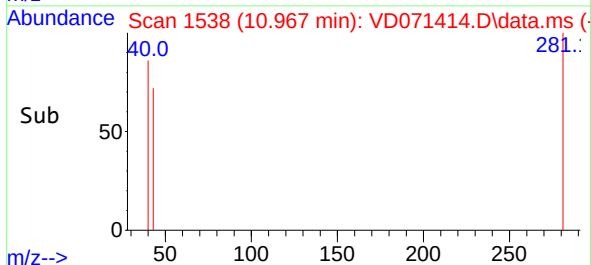
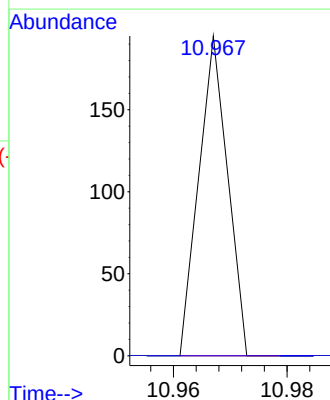
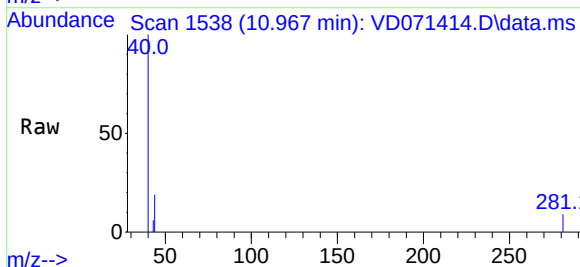
Instrument :
MSVOA_D
ClientSampleId :

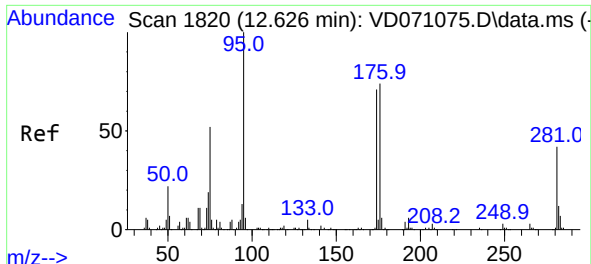
Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 34.673 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

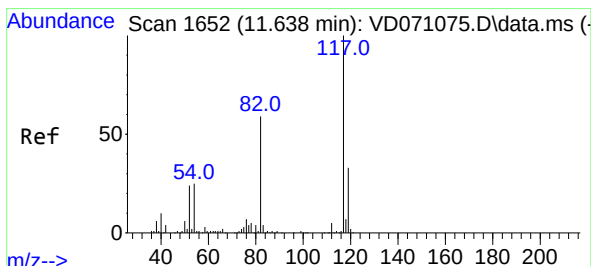
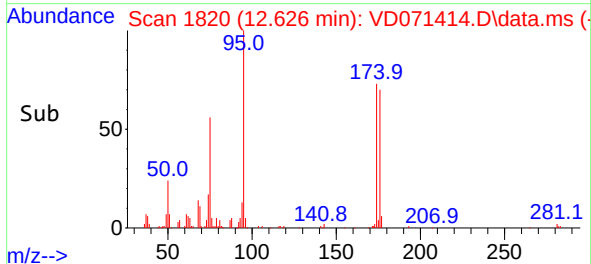
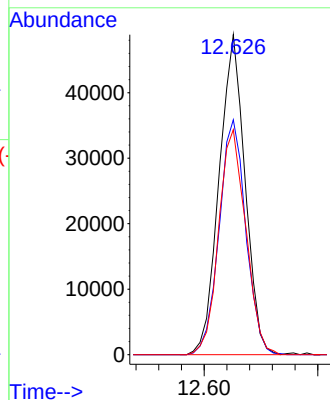
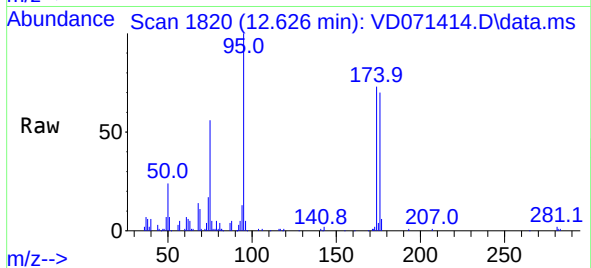




#62
4-Bromofluorobenzene
Concen: 52.724 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

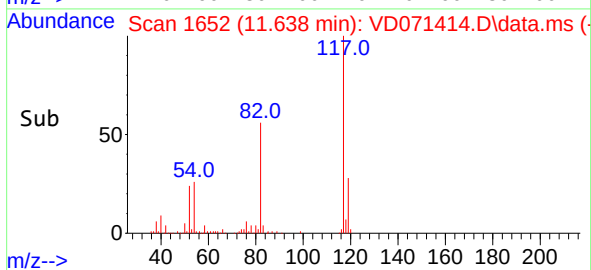
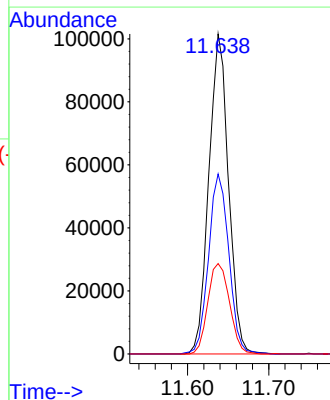
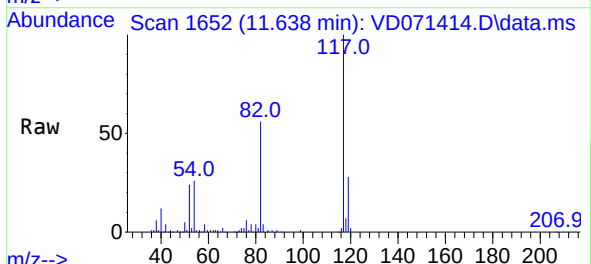
Instrument :
MSVOA_D
ClientSampleId :

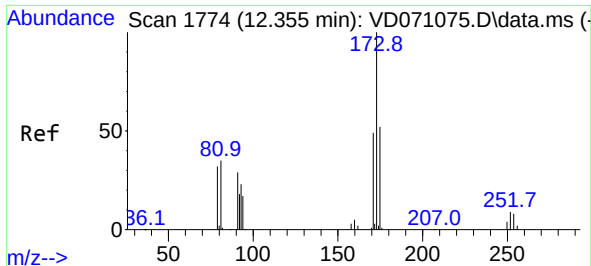
Tgt Ion: 95 Resp: 77338
Ion Ratio Lower Upper
95 100
174 75.4 0.0 159.4
176 73.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

Tgt Ion: 117 Resp: 170641
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 28.3 26.2 39.4

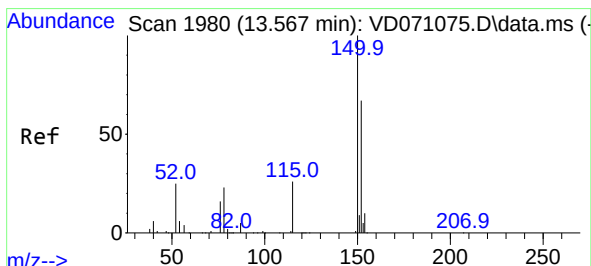
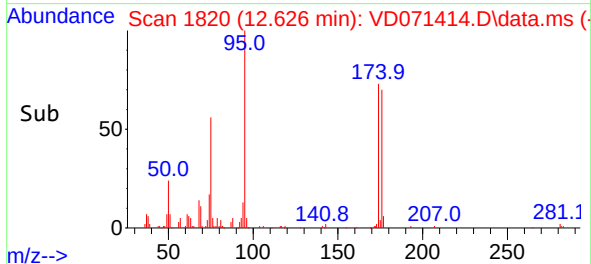
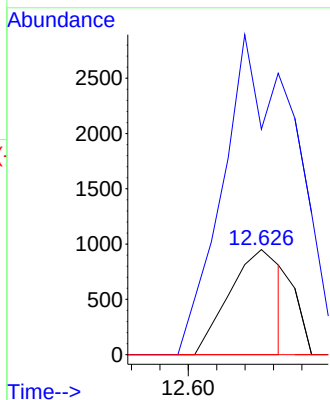
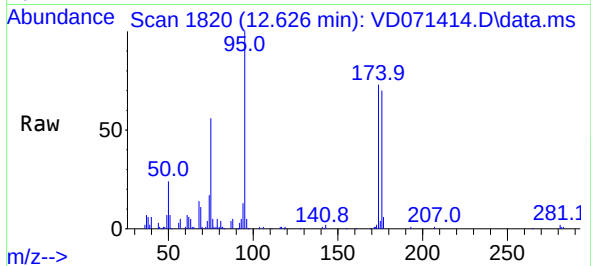




#71
Bromoform
Concen: 1.989 ug/l
RT: 12.626 min Scan# 1191
Delta R.T. 0.271 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

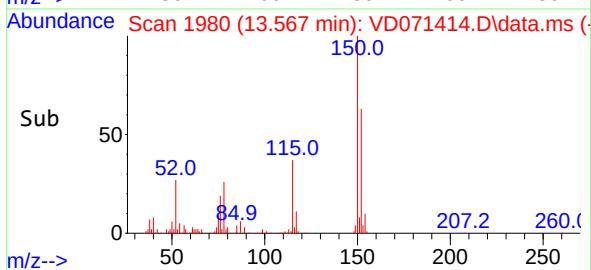
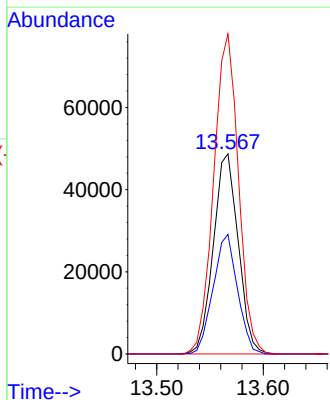
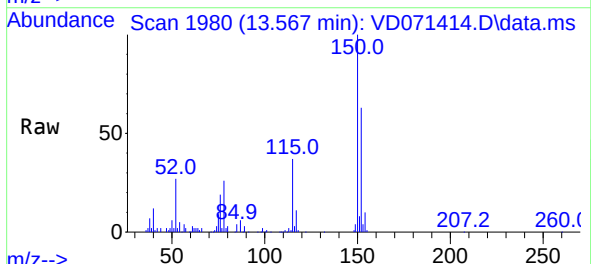
Instrument :
MSVOA_D
ClientSampleId :

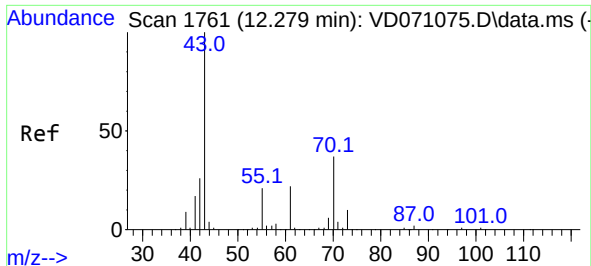
Tgt Ion:173 Resp: 1191
Ion Ratio Lower Upper
173 100
175 244.0 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

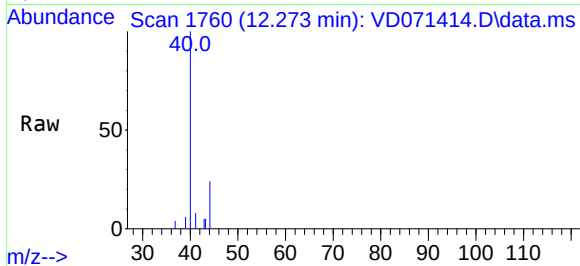
Tgt Ion:152 Resp: 78938
Ion Ratio Lower Upper
152 100
115 58.6 29.8 89.3
150 159.3 0.0 349.2



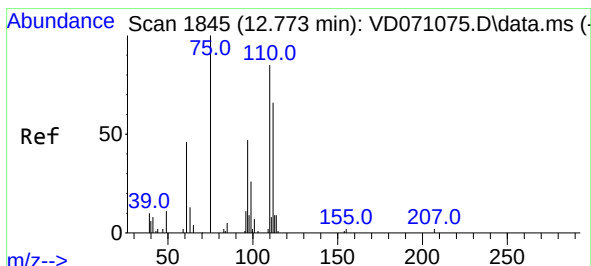
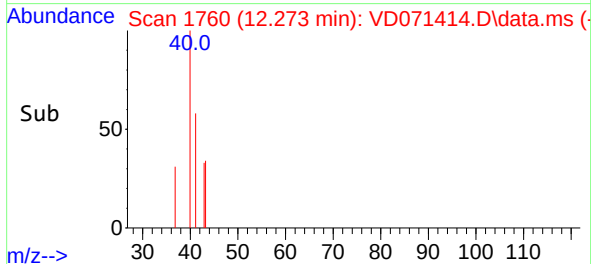
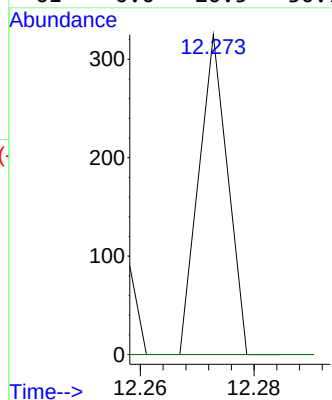


#74
N-amy1 acetate
Concen: 5.766 ug/l
RT: 12.273 min Scan# 115
Delta R.T. -0.006 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :

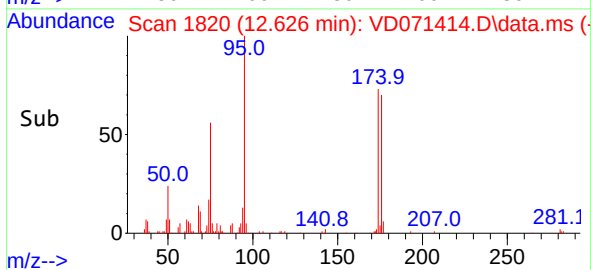
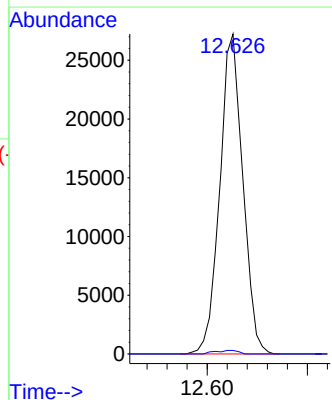
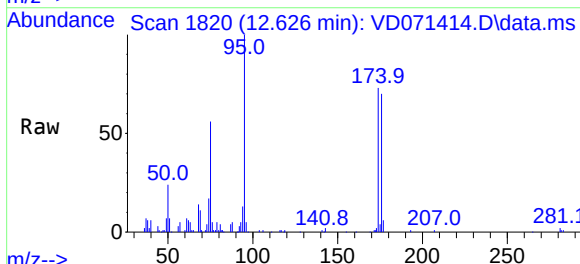


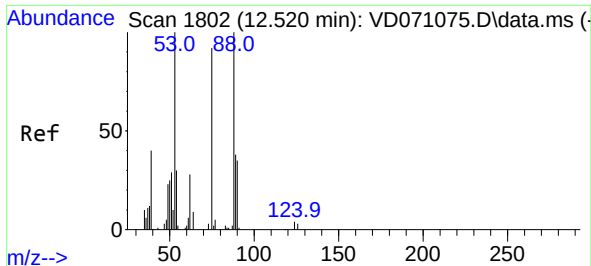
Tgt Ion: 43	Resp: 115
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 57.513 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

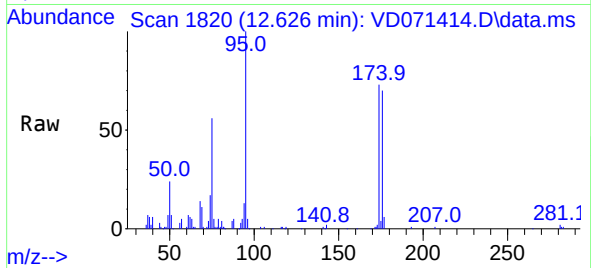
Tgt Ion:	75	Resp:	43255
Ion	Ratio	Lower	Upper
75	100		
77	1.1	158.4	475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 124.760 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071414.D
Acq: 21 Dec 2021 16:53

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 43255
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

