

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071279.D
 Acq On : 11 Dec 2021 19:37
 Operator : VA/SY
 Sample : M5017-09
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 18:52:17 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)

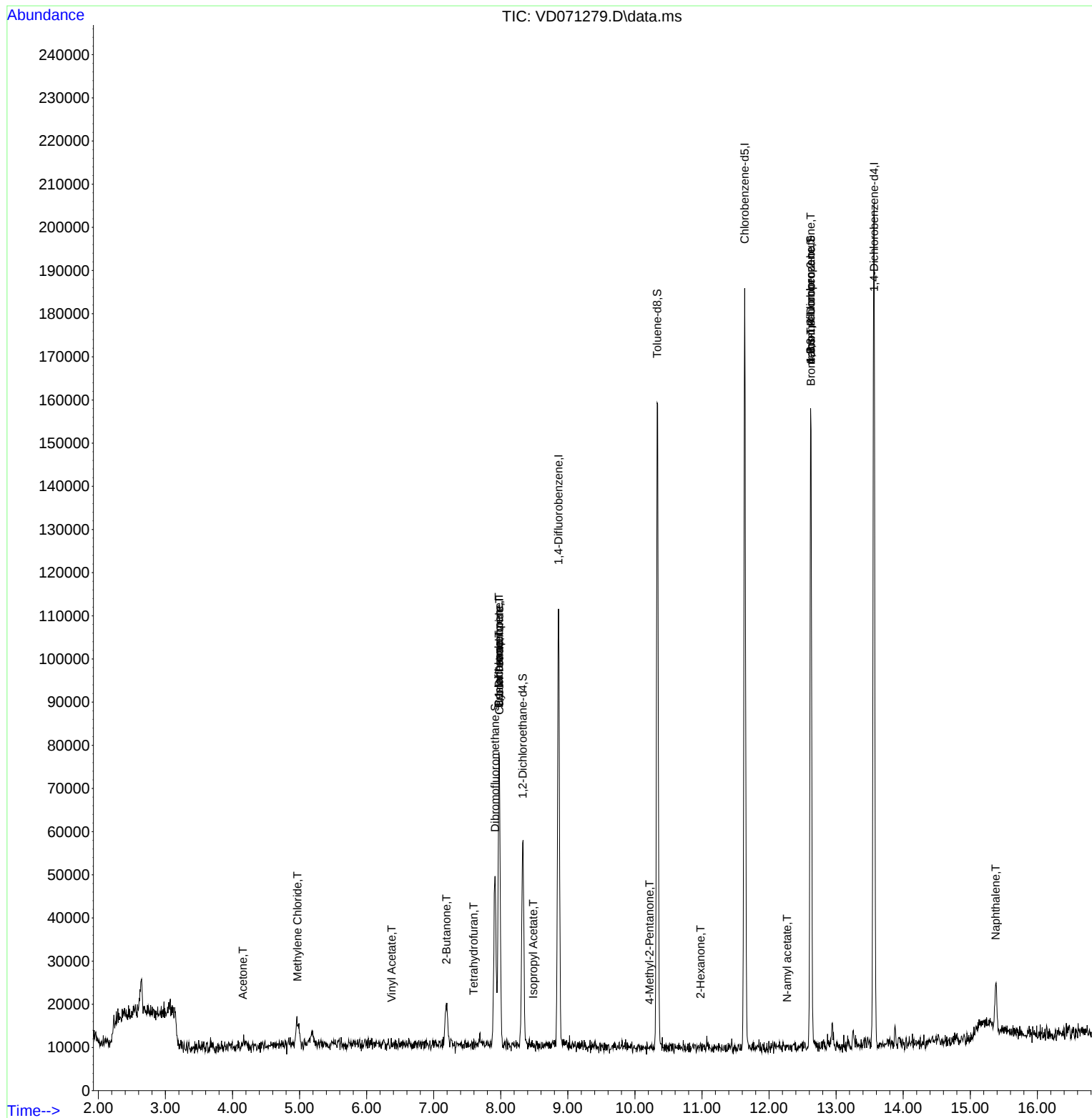
Internal Standards						
1) Pentafluorobenzene	7.973	168	46230	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	80329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	92412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	49761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	36557	67.392	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.780%			
35) Dibromofluoromethane	7.914	113	28416	55.551	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.100%			
50) Toluene-d8	10.332	98	100517	51.637	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.280%			
62) 4-Bromofluorobenzene	12.620	95	46438	68.820	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 137.640%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.197	59	1100	Below Cal	#	71
16) Acetone	4.156	43	1802	41.765	ug/l	89
20) Methylene Chloride	4.967	84	3845	3.107	ug/l	# 83
23) Vinyl Acetate	6.373	43	58	27.277	ug/l	# 72
25) 2-Butanone	7.191	43	874	33.017	ug/l	# 45
29) Tetrahydrofuran	7.597	42	122	1.416	ug/l	# 34
31) Cyclohexane	7.973	56	1431	1.551	ug/l	# 23
36) 1,1-Dichloropropene	7.973	75	4720	6.287	ug/l	# 42
38) Carbon Tetrachloride	7.979	117	4327	5.847	ug/l	# 19
41) Methacrylonitrile	7.503	41	72	Below Cal	#	1
43) Isopropyl Acetate	8.485	43	80	5.323	ug/l	# 47
51) 4-Methyl-2-Pentanone	10.220	43	162	31.040	ug/l	# 34
59) 2-Hexanone	10.979	43	66	34.780	ug/l	# 22
71) Bromoform	12.626	173	397	1.224	ug/l	# 1
74) N-amyl acetate	12.267	43	55	5.750	ug/l	# 40
76) 1,2,3-Trichloropropane	12.620	75	25412	53.600	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	25412	116.665	ug/l	# 18
95) Naphthalene	15.379	128	9254	6.370	ug/l	98

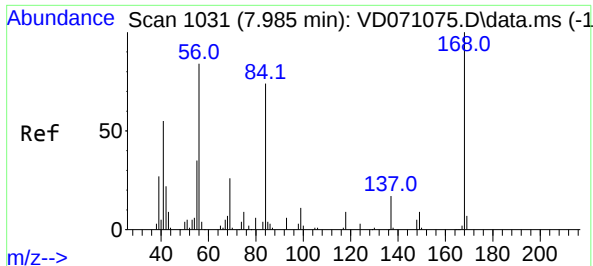
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

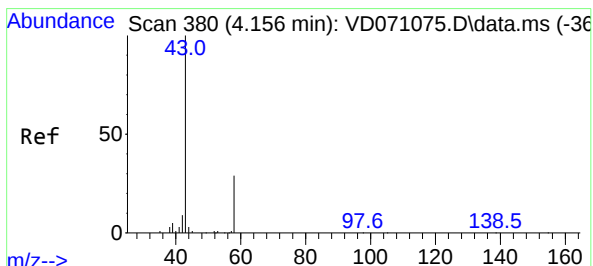
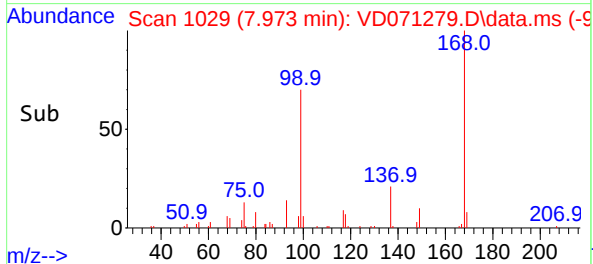
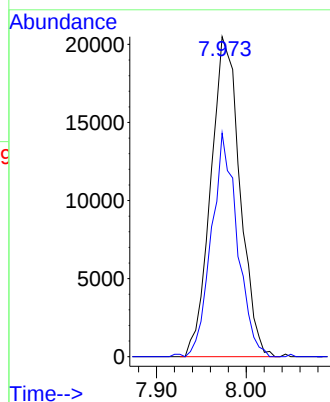
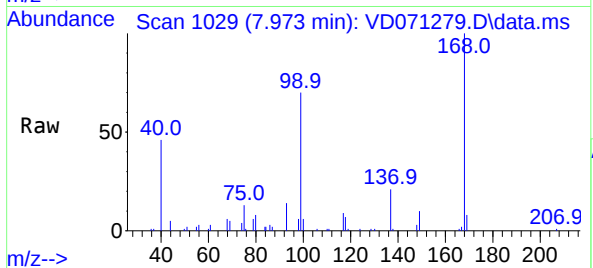




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

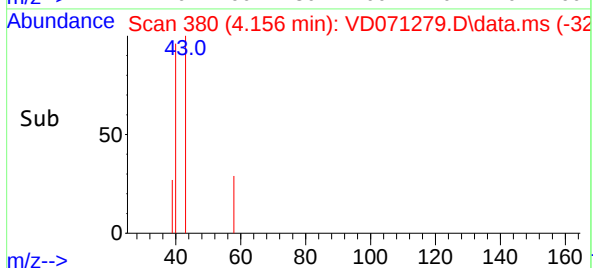
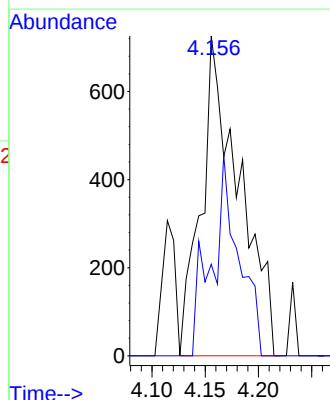
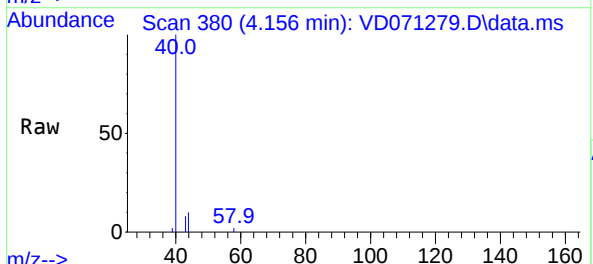
Instrument :
MSVOA_D
ClientSampleId :

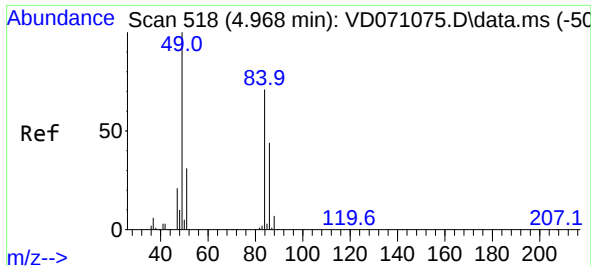
Tgt Ion:168 Resp: 46230
Ion Ratio Lower Upper
168 100
99 69.9 46.6 69.8#



#16
Acetone
Concen: 41.765 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

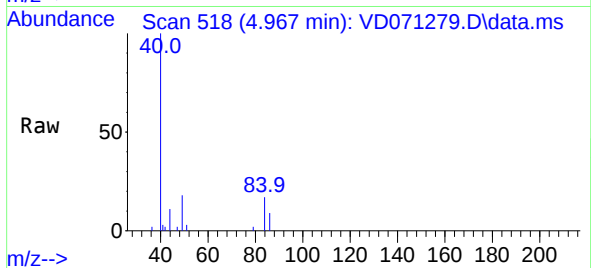
Tgt Ion: 43 Resp: 1802
Ion Ratio Lower Upper
43 100
58 28.7 27.8 41.8



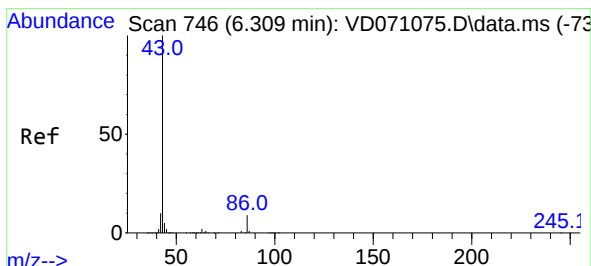
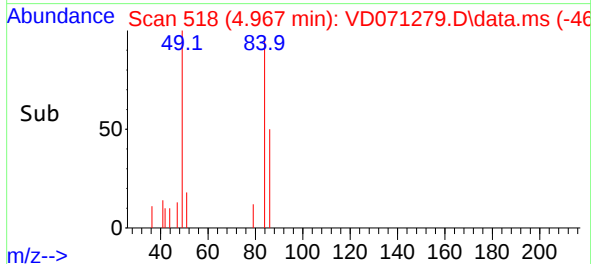
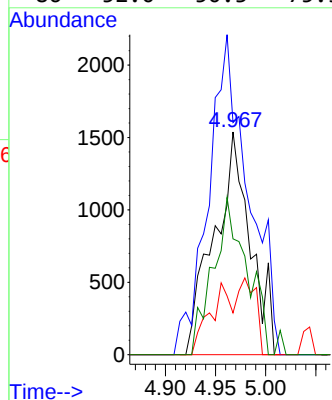


#20
Methylene Chloride
Concen: 3.107 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Instrument :
MSVOA_D
ClientSampleId :

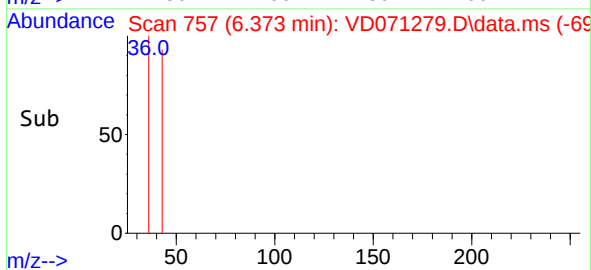
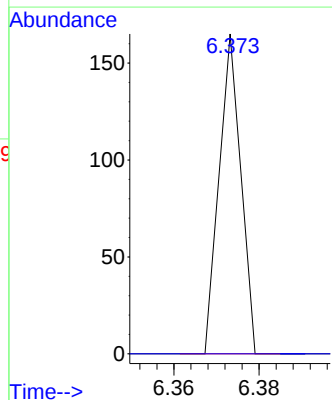
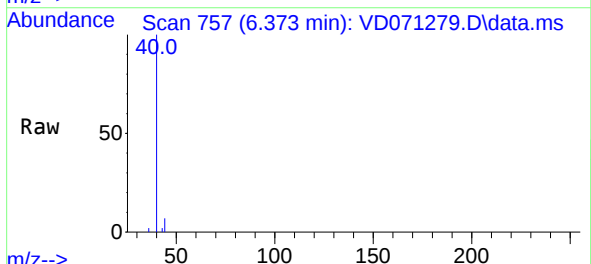


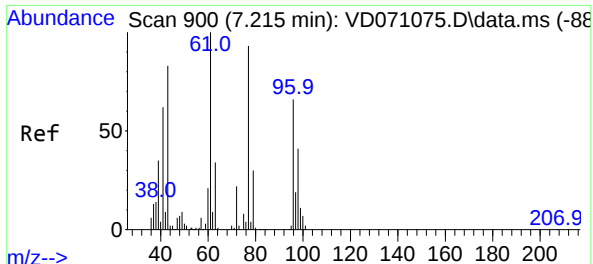
Tgt Ion: 84 Resp: 3845
Ion Ratio Lower Upper
84 100
49 104.2 95.8 143.6
51 18.8 30.9 46.3#
86 52.0 50.3 75.5



#23
Vinyl Acetate
Concen: 27.277 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.064 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

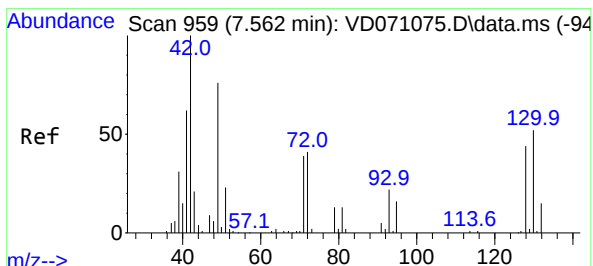
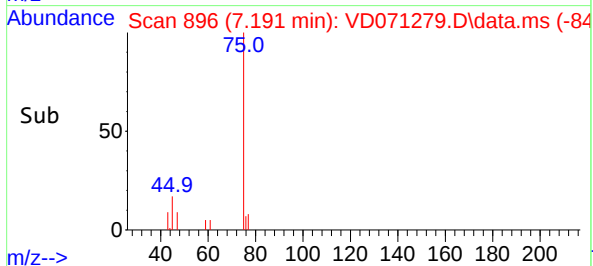
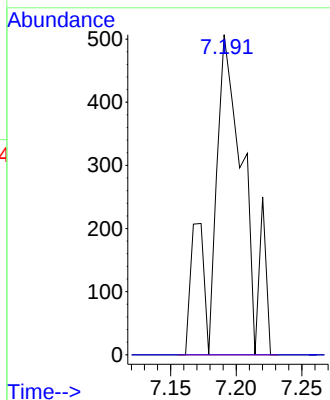
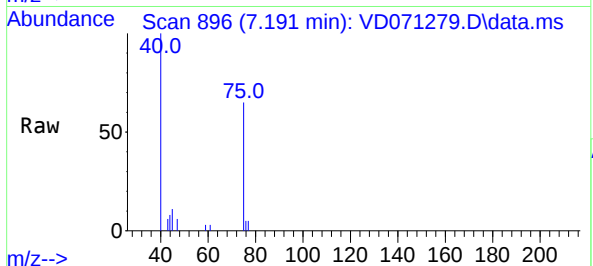




#25
2-Butanone
Concen: 33.017 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.024 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

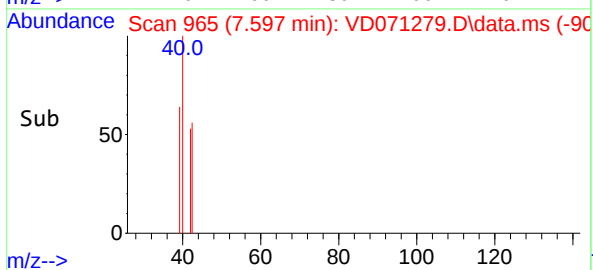
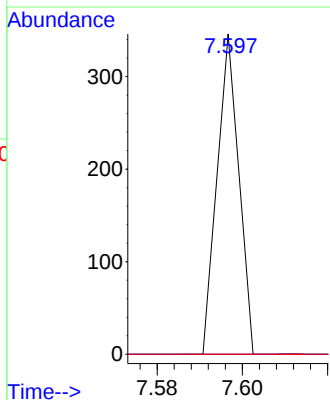
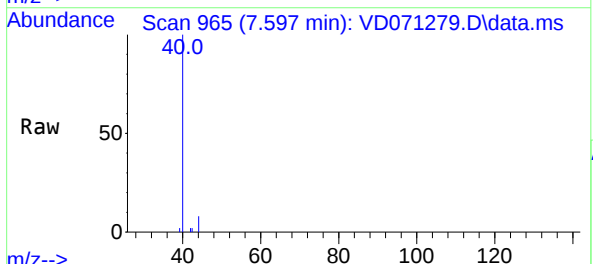
Instrument :
MSVOA_D
ClientSampleId :

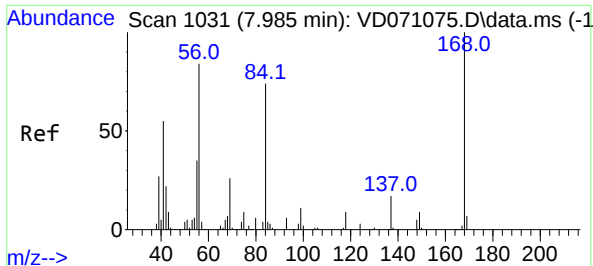
Tgt Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 1.416 ug/l
RT: 7.597 min Scan# 965
Delta R.T. 0.035 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

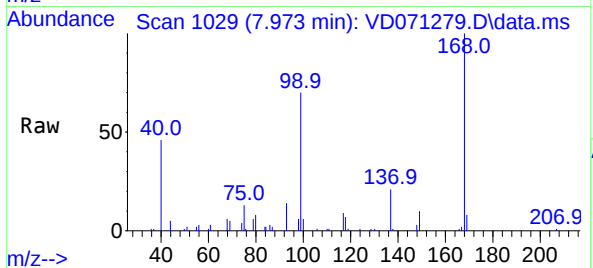
Tgt Ion: 42 Resp: 122
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



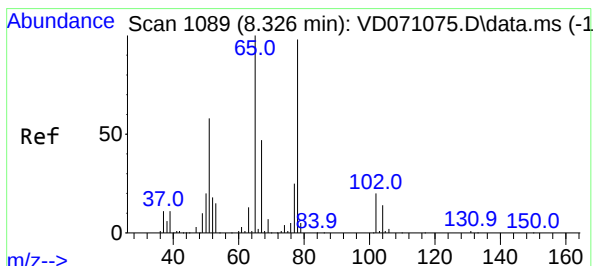
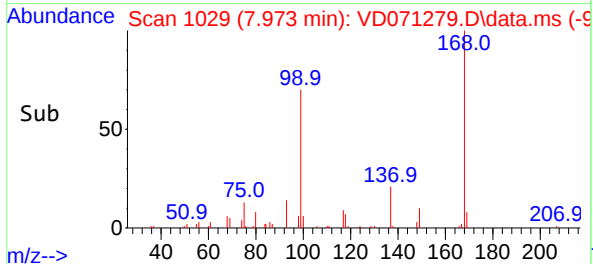
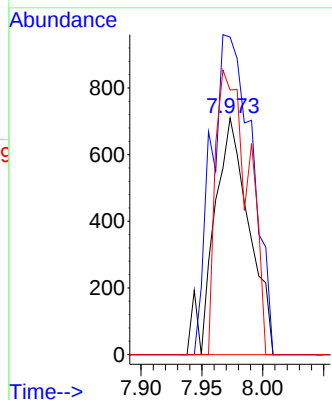


#31
Cyclohexane
Concen: 1.551 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Instrument :
MSVOA_D
ClientSampleId :

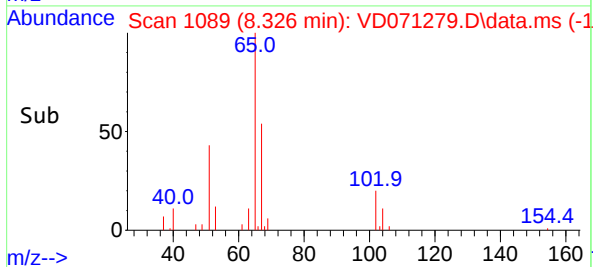
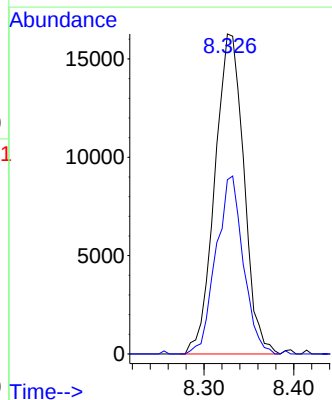
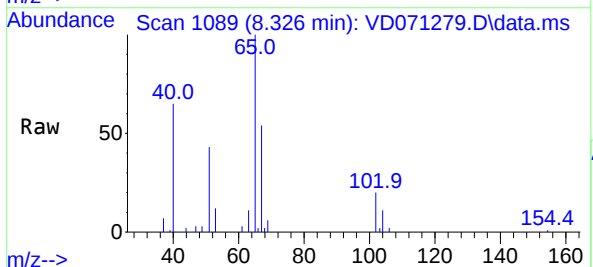


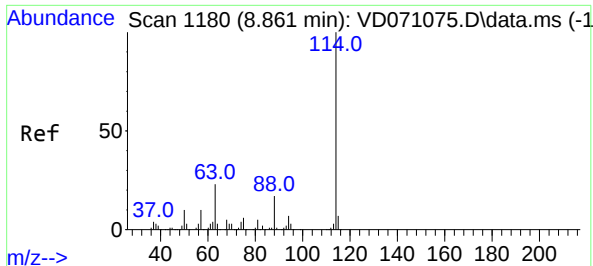
Tgt Ion: 56 Resp: 1431
Ion Ratio Lower Upper
56 100
69 134.2 25.9 38.9#
84 111.8 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 67.392 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Tgt Ion: 65 Resp: 36557
Ion Ratio Lower Upper
65 100
67 52.3 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: VD071279.D

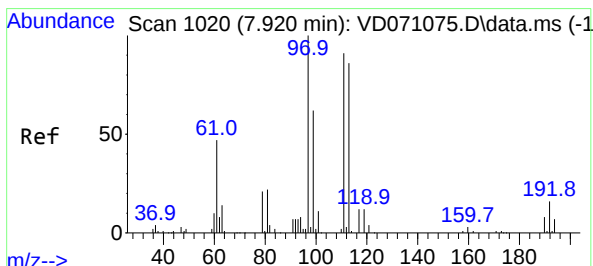
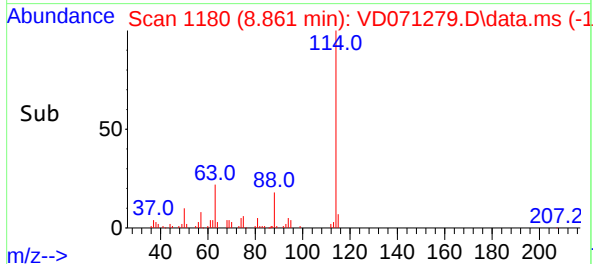
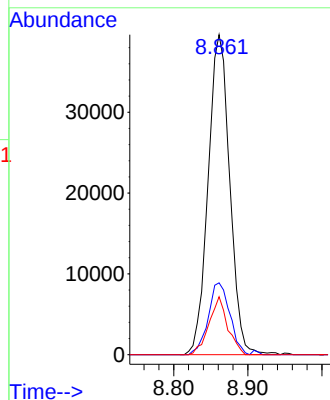
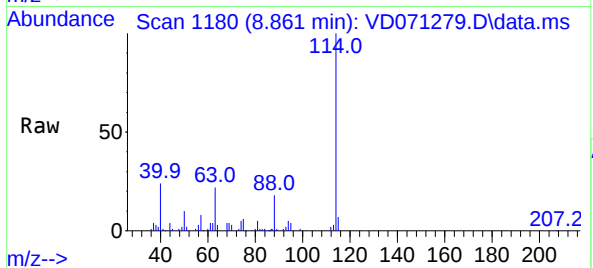
Acq: 11 Dec 2021 19:37

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	80329
Ion Ratio	Lower	Upper
114	100	
63	22.5	0.0 41.8
88	18.1	0.0 32.8



#35

Dibromofluoromethane

Concen: 55.551 ug/l

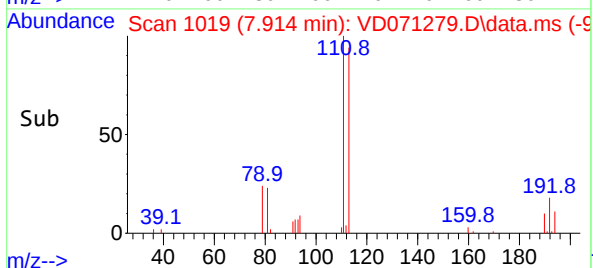
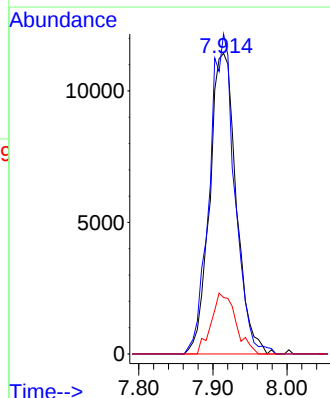
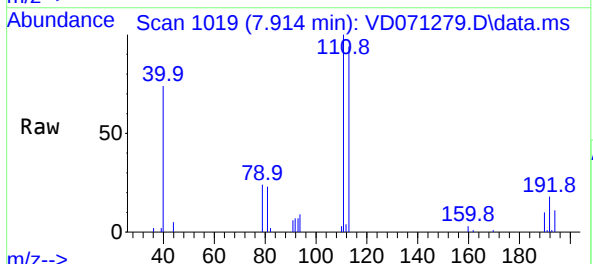
RT: 7.914 min Scan# 1019

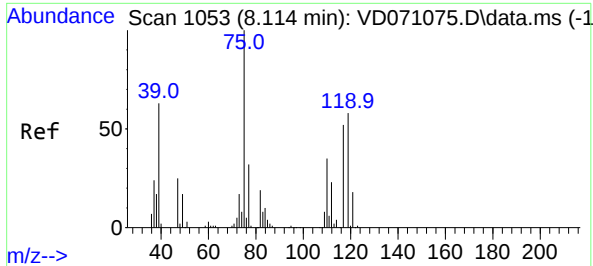
Delta R.T. -0.006 min

Lab File: VD071279.D

Acq: 11 Dec 2021 19:37

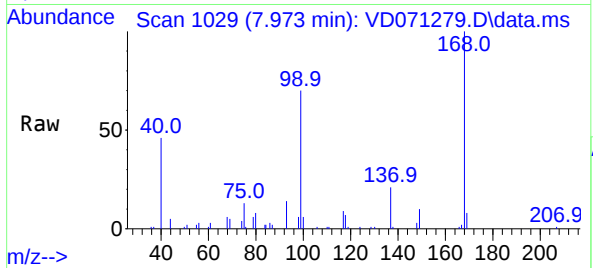
Tgt Ion:113	Resp:	28416
Ion Ratio	Lower	Upper
113	100	
111	102.1	82.0 123.0
192	18.6	15.2 22.8





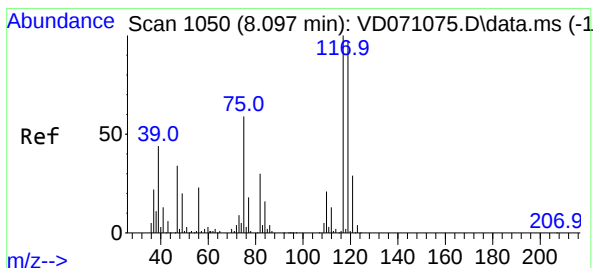
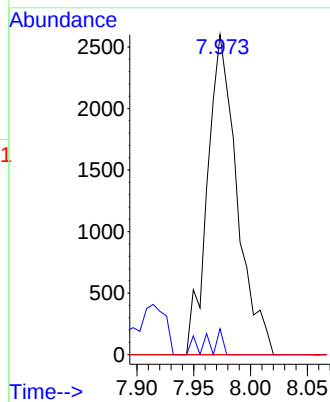
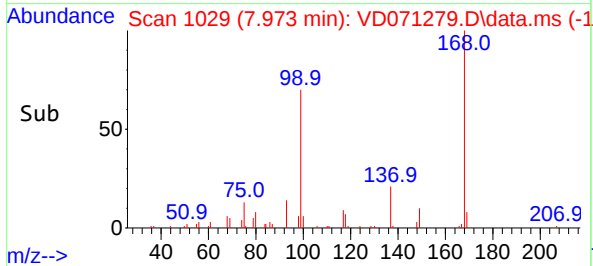
#36
1,1-Dichloropropene
Concen: 6.287 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Instrument :
MSVOA_D
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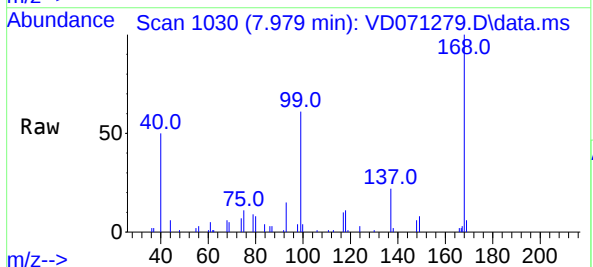


Tgt Ion: 75 Resp: 4720

Ion	Ratio	Lower	Upper
75	100		
110	1.3	17.8	53.4#
77	0.0	24.8	37.2#

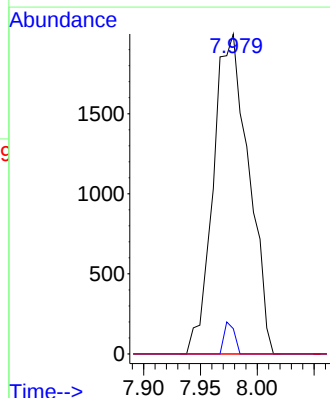
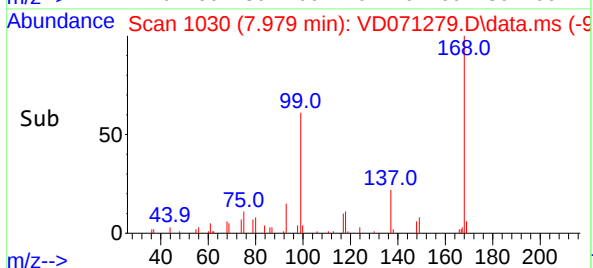


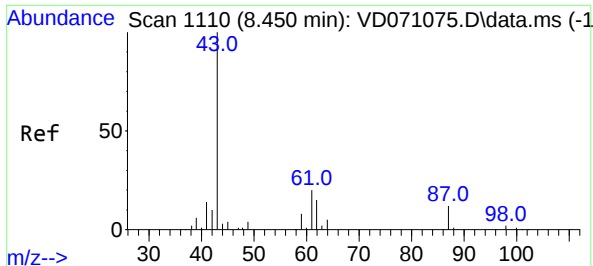
#38
Carbon Tetrachloride
Concen: 5.847 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37



Tgt Ion: 117 Resp: 4327

Ion	Ratio	Lower	Upper
117	100		
119	7.9	75.8	113.6#
121	0.0	23.6	35.4#

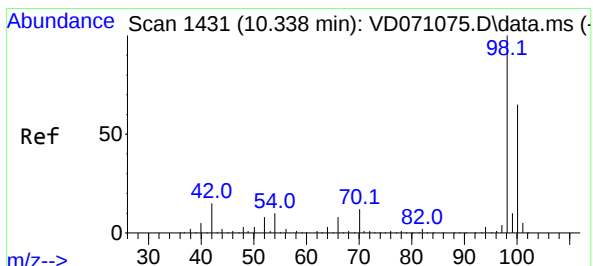
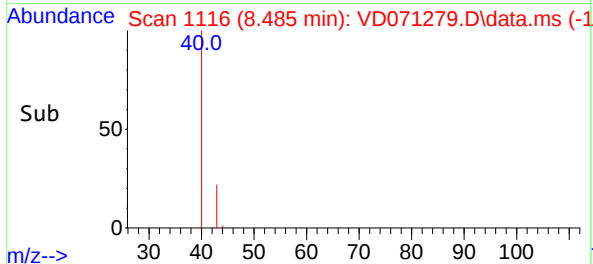
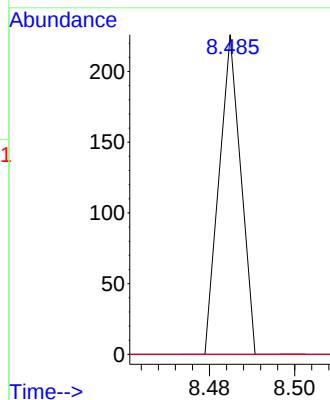
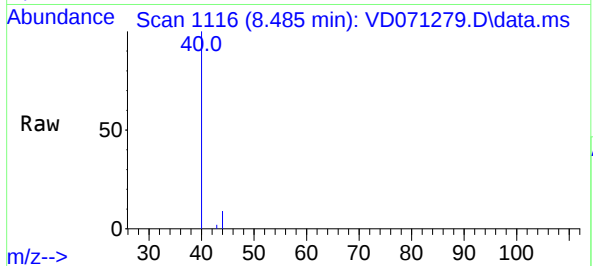




#43
Isopropyl Acetate
Concen: 5.323 ug/l
RT: 8.485 min Scan# 1110
Delta R.T. 0.035 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

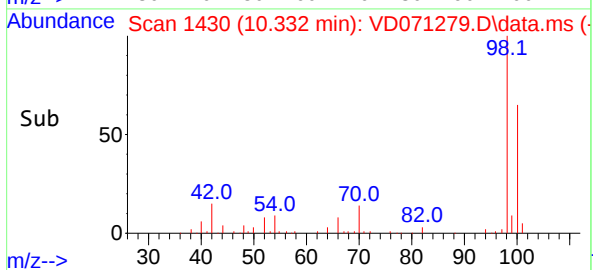
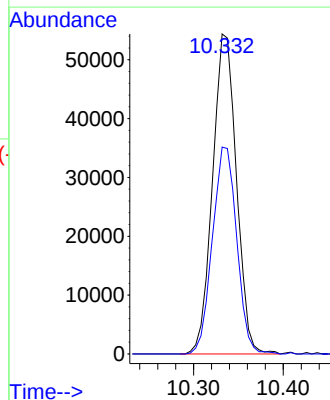
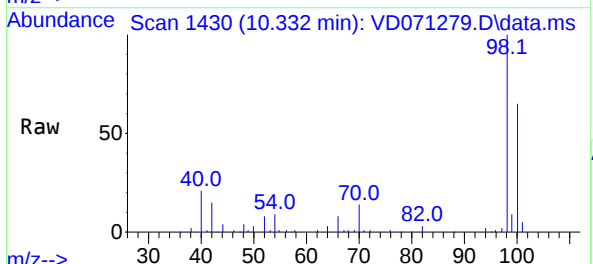
Instrument :
MSVOA_D
ClientSampleId :

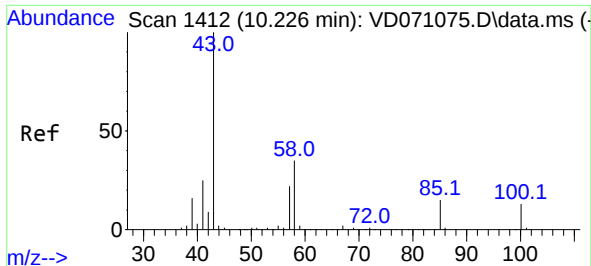
Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 51.637 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

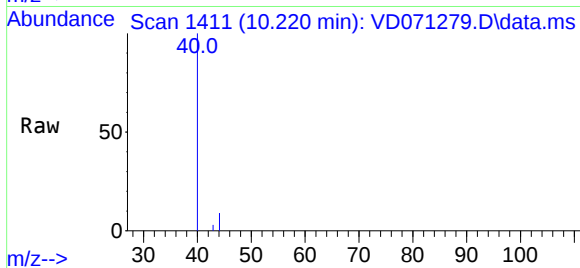
Tgt Ion: 98 Resp: 100517
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.6



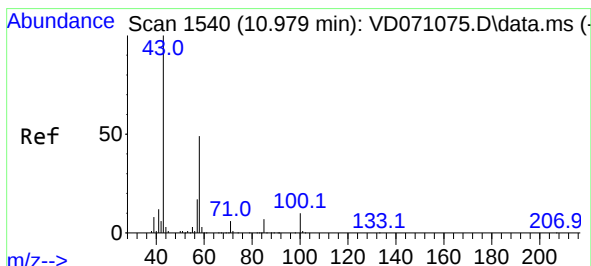
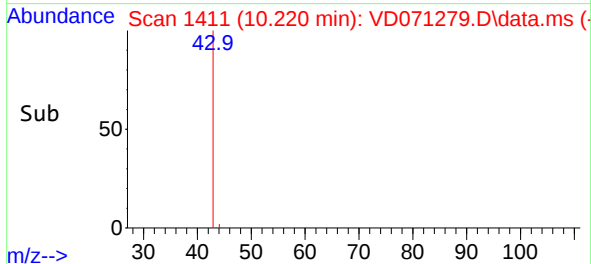
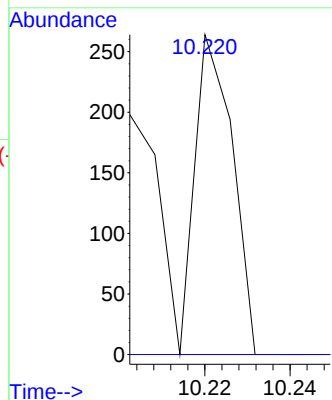


#51
4-Methyl-2-Pentanone
Concen: 31.040 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Instrument :
MSVOA_D
ClientSampleId :

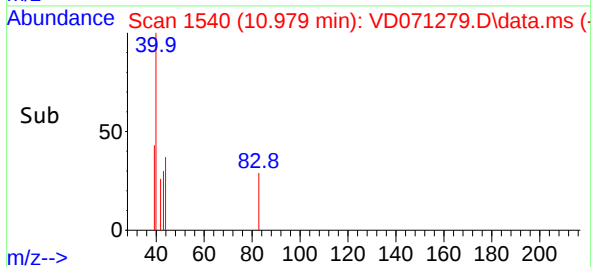
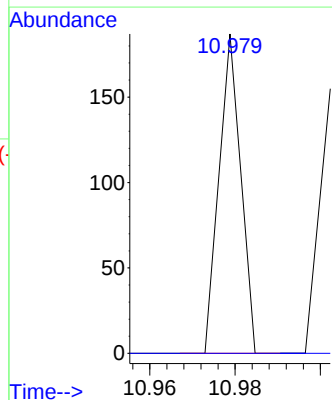
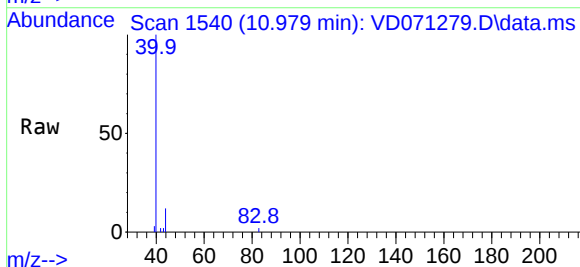


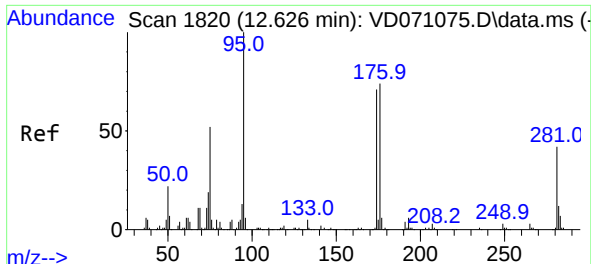
Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 34.780 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

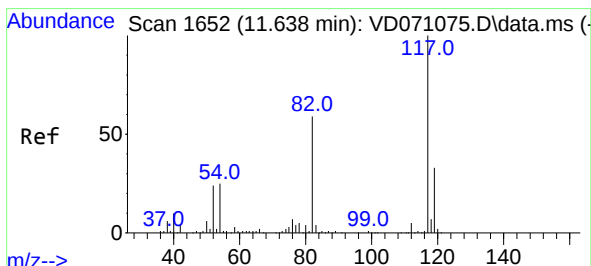
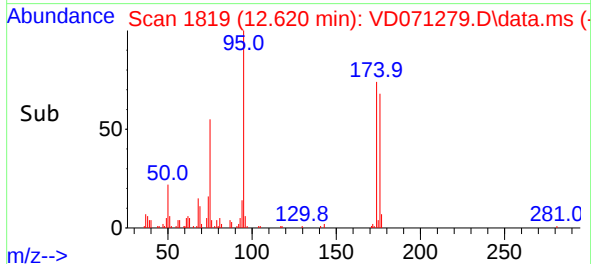
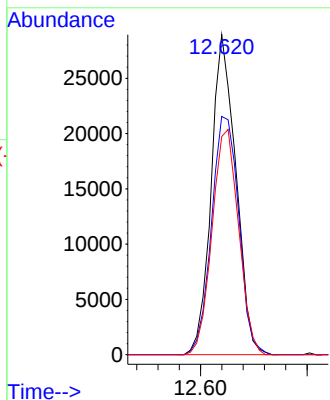
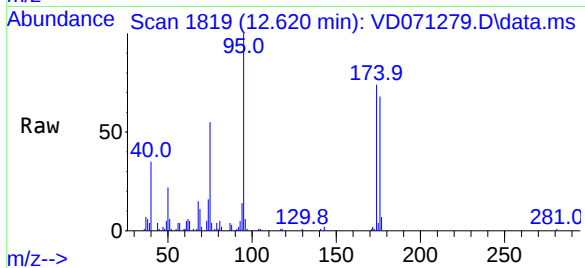




#62
4-Bromofluorobenzene
Concen: 68.820 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

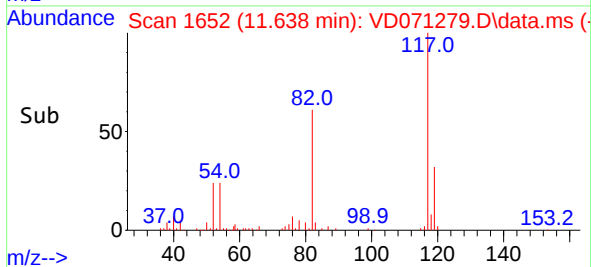
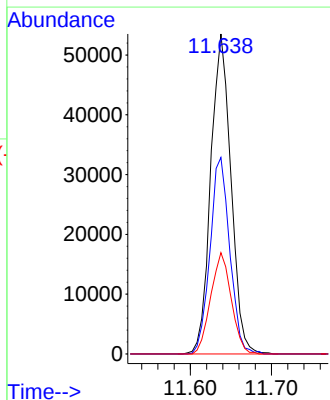
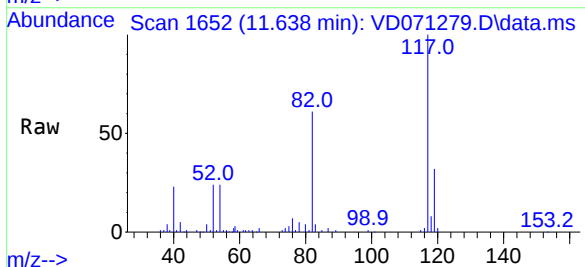
Instrument :
MSVOA_D
ClientSampleId :

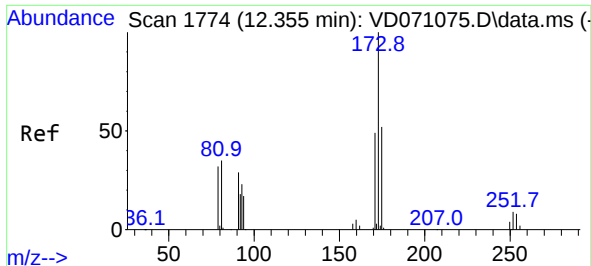
Tgt Ion: 95 Resp: 46438
Ion Ratio Lower Upper
95 100
174 82.3 0.0 159.4
176 75.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Tgt Ion: 117 Resp: 92412
Ion Ratio Lower Upper
117 100
82 61.4 44.7 67.1
119 31.6 26.2 39.4

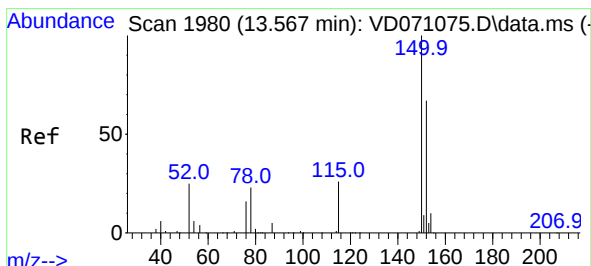
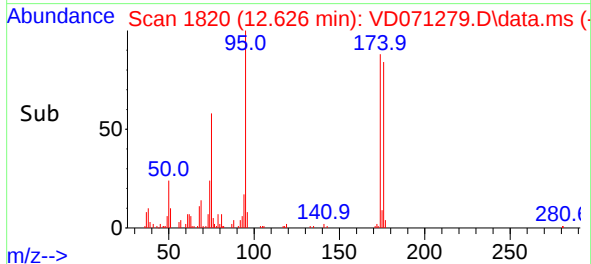
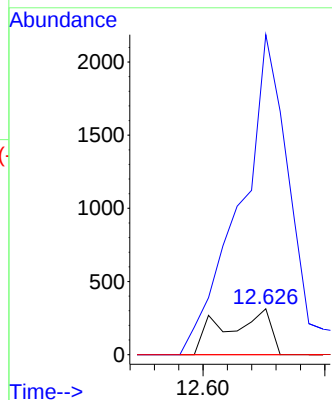
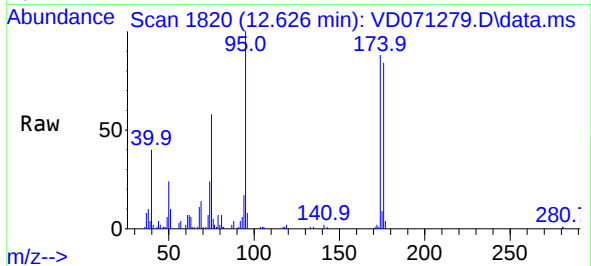




#71
Bromoform
Concen: 1.224 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

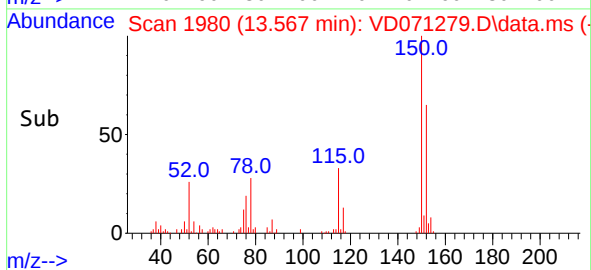
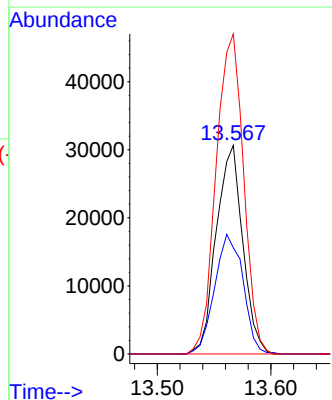
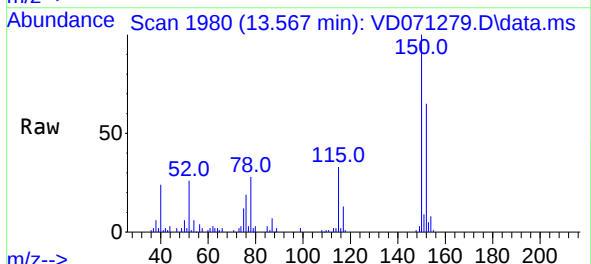
Instrument :
MSVOA_D
ClientSampleId :

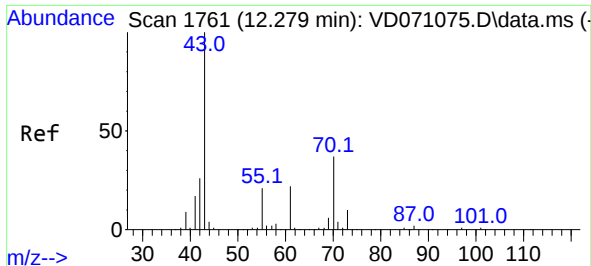
Tgt Ion:173 Resp: 397
Ion Ratio Lower Upper
173 100
175 649.6 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

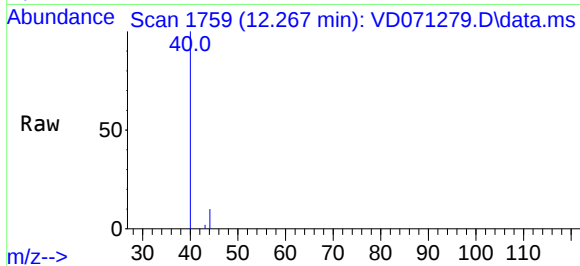
Tgt Ion:152 Resp: 49761
Ion Ratio Lower Upper
152 100
115 61.5 29.8 89.3
150 159.0 0.0 349.2



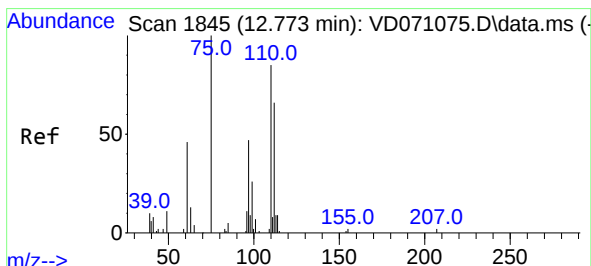
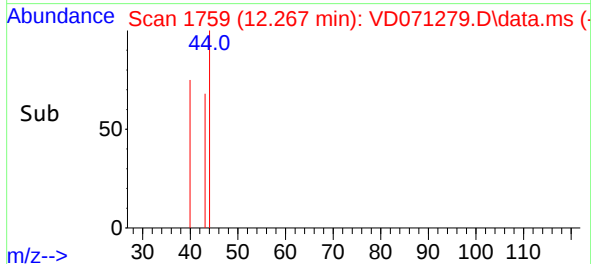
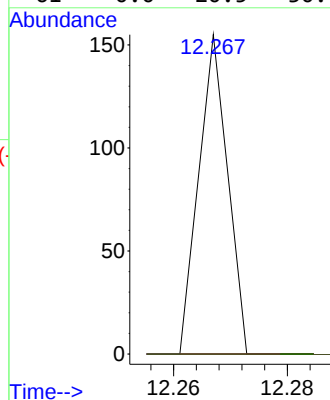


#74
N-amy1 acetate
Concen: 5.750 ug/l
RT: 12.267 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Instrument :
MSVOA_D
ClientSampleId :

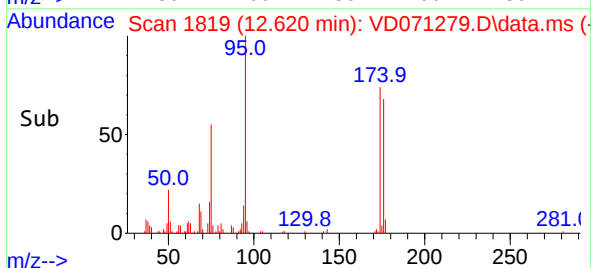
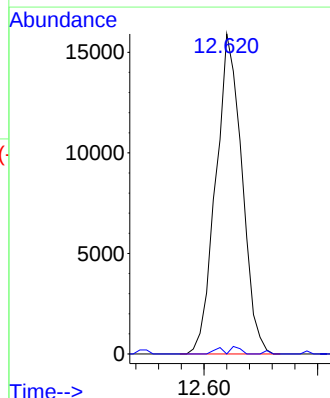
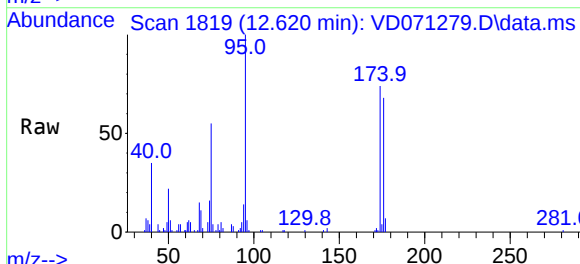


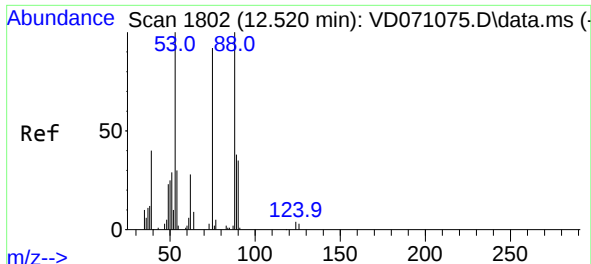
Tgt Ion: 43	Resp: 55
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 53.600 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Tgt Ion: 75	Resp:	25412	
Ion	Ratio	Lower	Upper
75	100		
77	0.9	158.4	475.3#

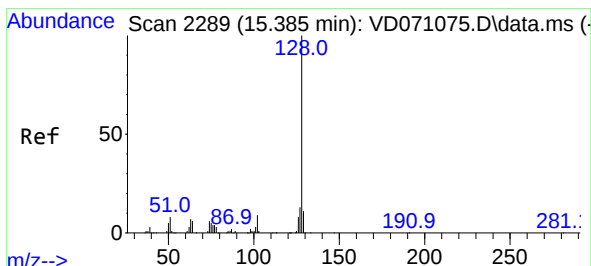
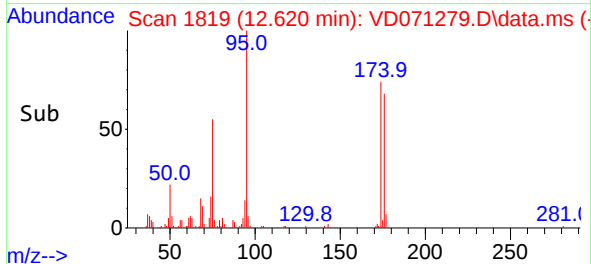
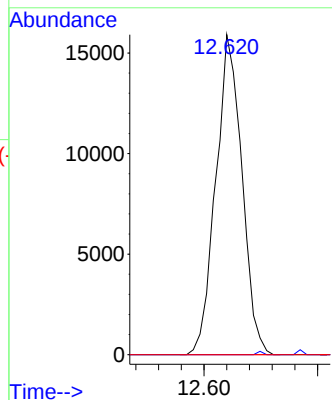
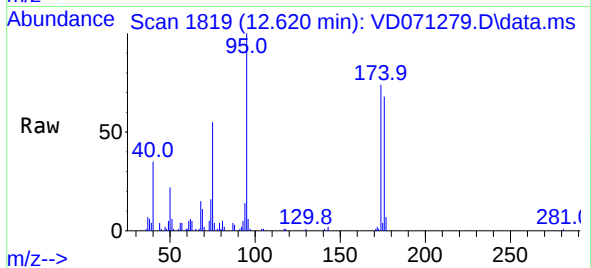




#81
trans-1,4-Dichloro-2-butene
Concen: 116.665 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 25412
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 6.370 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD071279.D
Acq: 11 Dec 2021 19:37

Tgt Ion:128 Resp: 9254
Ion Ratio Lower Upper
128 100
127 14.4 10.7 16.1
129 10.6 8.7 13.1

