

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071280.D
 Acq On : 11 Dec 2021 20:06
 Operator : VA/SY
 Sample : M5017-19
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 18:52:37 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)

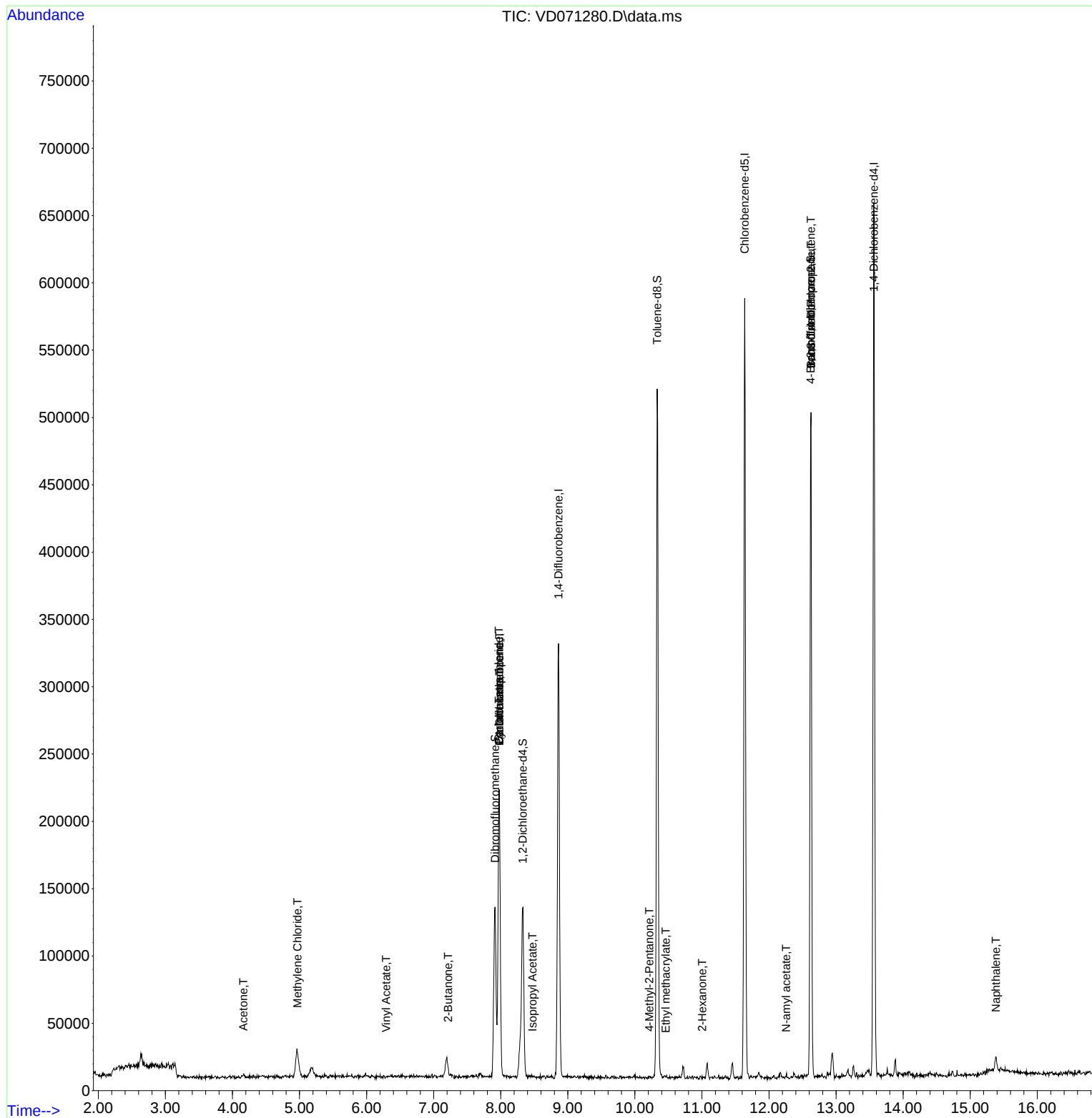
Internal Standards						
1) Pentafluorobenzene	7.979	168	151471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	261281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	304911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	159972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	97557	54.889	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.780%			
35) Dibromofluoromethane	7.914	113	88650	53.281	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.560%			
50) Toluene-d8	10.332	98	339091	53.555	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.100%			
62) 4-Bromofluorobenzene	12.620	95	152591	69.524	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 139.040%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.173	59	7161	Below Cal	#	71
16) Acetone	4.162	43	2640	35.701	ug/l #	83
20) Methylene Chloride	4.967	84	14491	4.259	ug/l #	93
23) Vinyl Acetate	6.291	43	54	27.235	ug/l #	72
25) 2-Butanone	7.214	43	862	29.761	ug/l #	45
31) Cyclohexane	7.979	56	4199	1.389	ug/l #	42
36) 1,1-Dichloropropene	7.979	75	13478	5.519	ug/l #	48
38) Carbon Tetrachloride	7.973	117	16387	6.807	ug/l #	15
41) Methacrylonitrile	7.538	41	103	Below Cal	#	40
43) Isopropyl Acetate	8.473	43	218	5.307	ug/l #	47
51) 4-Methyl-2-Pentanone	10.214	43	709	31.175	ug/l #	34
56) Ethyl methacrylate	10.461	69	56	5.999	ug/l #	33
59) 2-Hexanone	11.002	43	59	34.631	ug/l #	22
71) Bromoform	12.626	173	1550	1.448	ug/l #	1
74) N-amyl acetate	12.255	43	530	5.849	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	83614	54.860	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	83614	119.270	ug/l #	18
95) Naphthalene	15.385	128	8223	1.761	ug/l	97

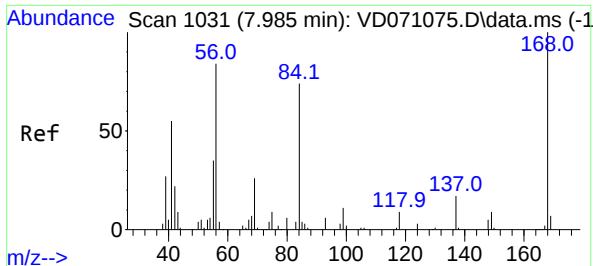
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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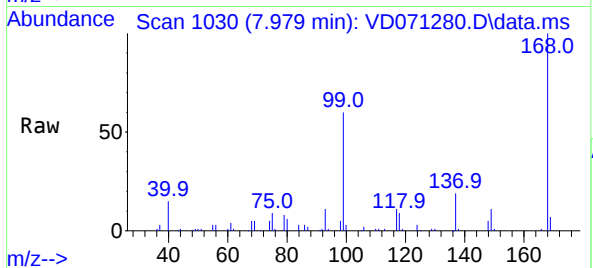
Quant Time: Dec 12 18:52:37 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



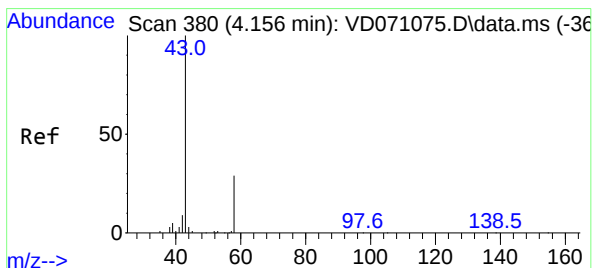
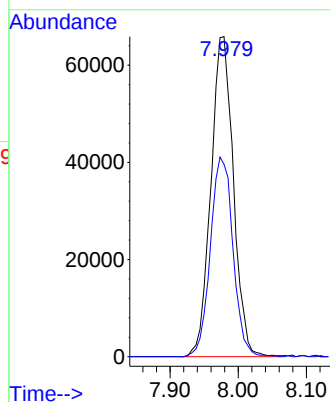
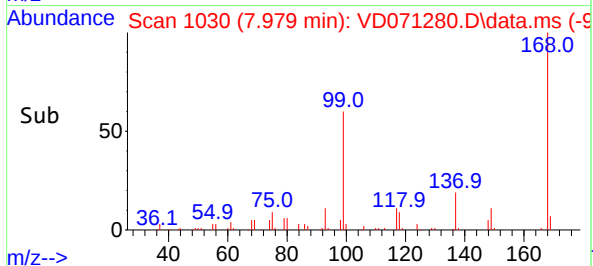


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :

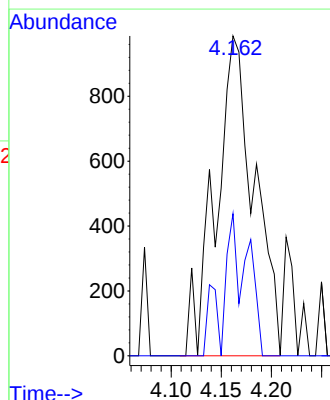
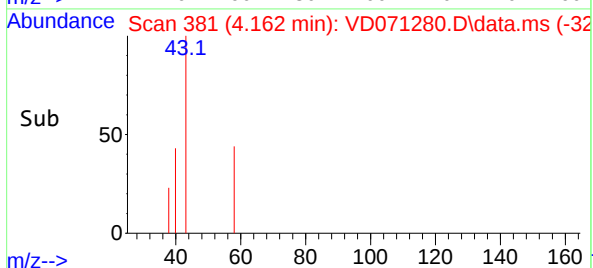
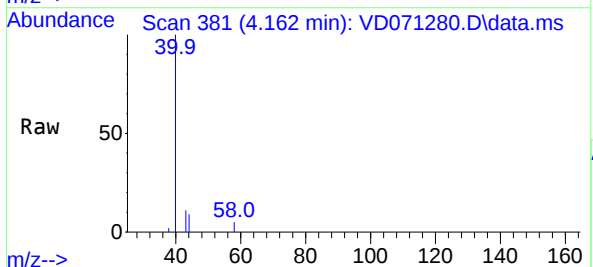


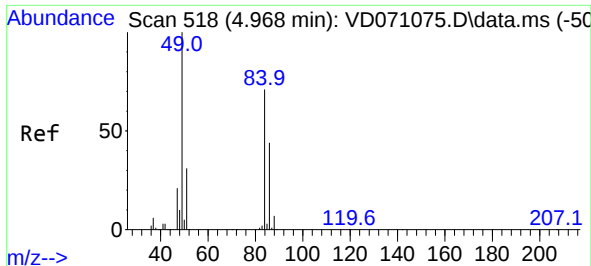
Tgt Ion:168 Resp: 151471
Ion Ratio Lower Upper
168 100
99 60.1 46.6 69.8



#16
Acetone
Concen: 35.701 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

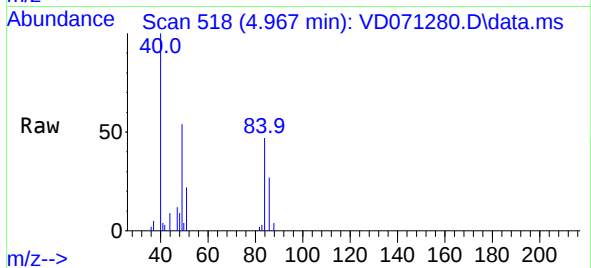
Tgt Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
58 44.4 27.8 41.8#





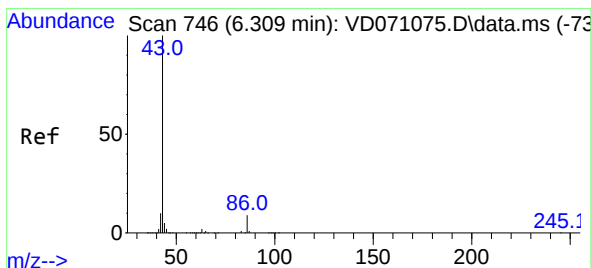
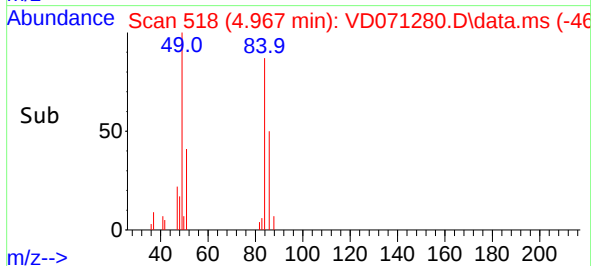
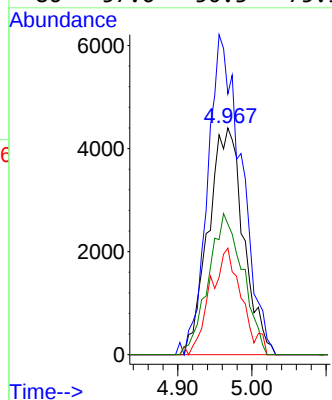
#20
Methylene Chloride
Concen: 4.259 ug/l
RT: 4.967 min Scan# 51
Delta R.T. -0.001 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 14491

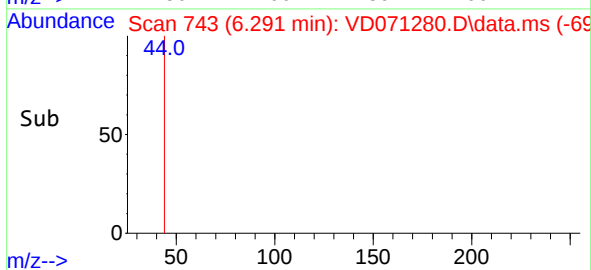
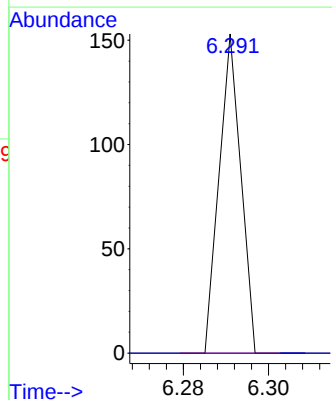
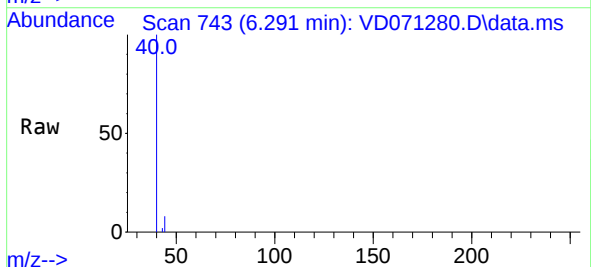
Ion	Ratio	Lower	Upper
84	100		
49	115.0	95.8	143.6
51	47.0	30.9	46.3
86	57.6	50.3	75.5

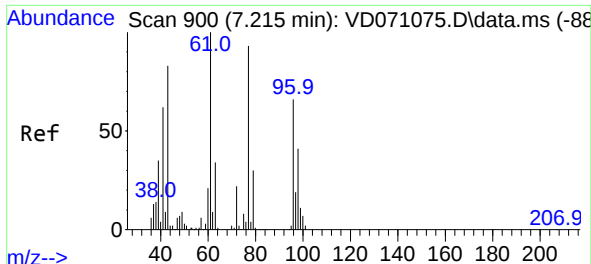


#23
Vinyl Acetate
Concen: 27.235 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.018 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Tgt Ion: 43 Resp: 54

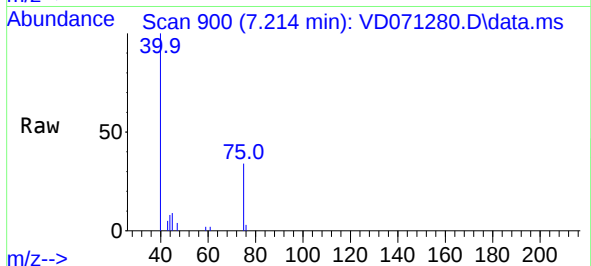
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4



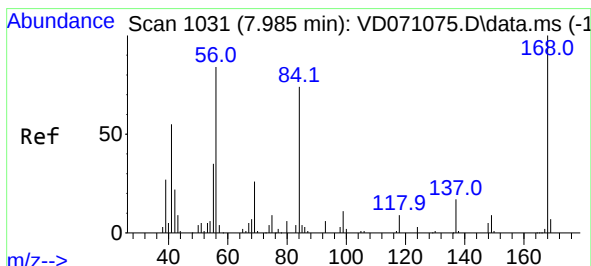
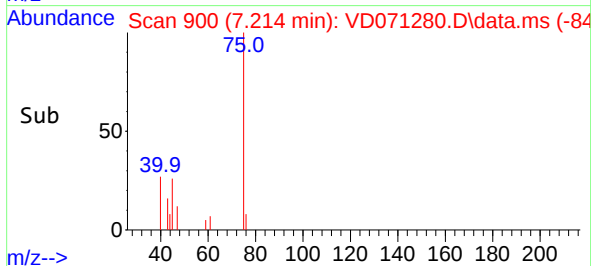
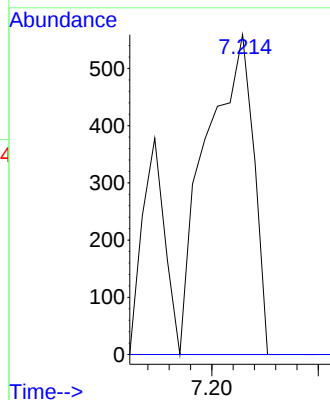


#25
2-Butanone
Concen: 29.761 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.001 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :

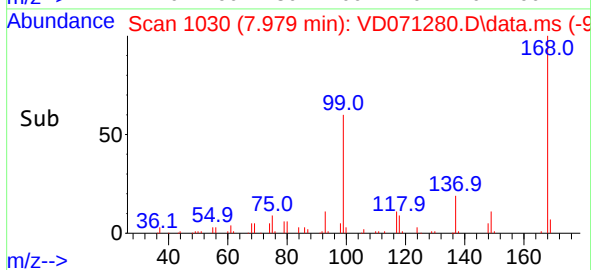
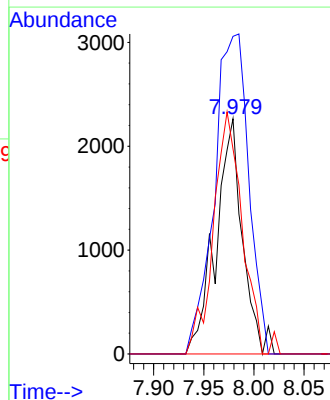
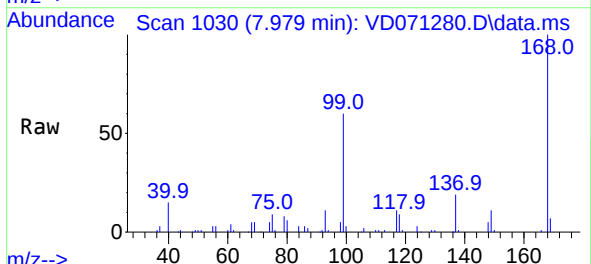


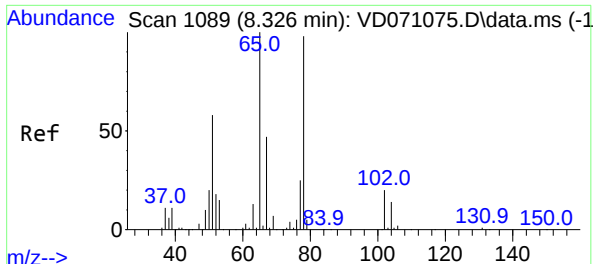
Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.389 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Tgt Ion: 56 Resp: 4199
Ion Ratio Lower Upper
56 100
69 135.1 25.9 38.9#
84 87.2 64.3 96.5

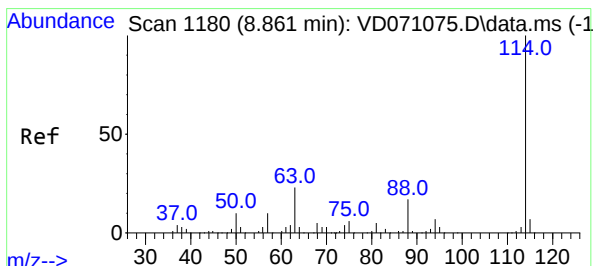
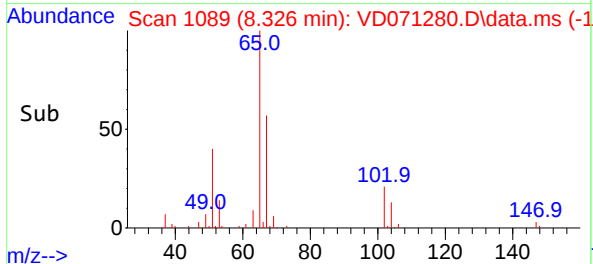
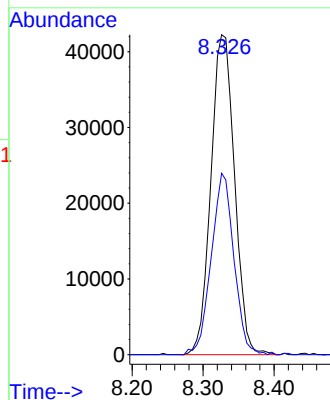
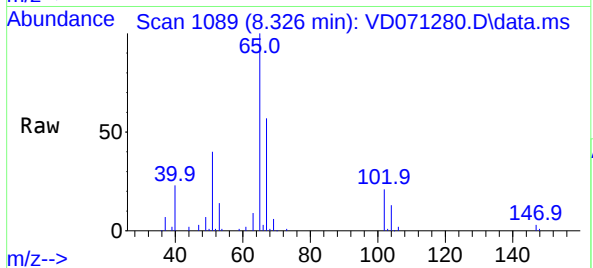




#33
1,2-Dichloroethane-d4
Concen: 54.889 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

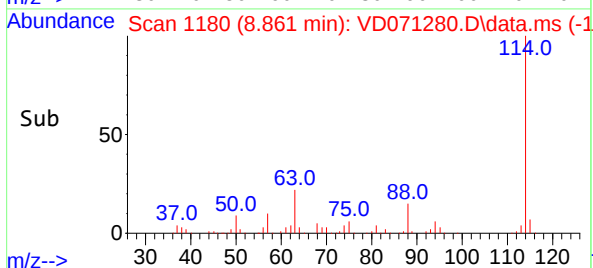
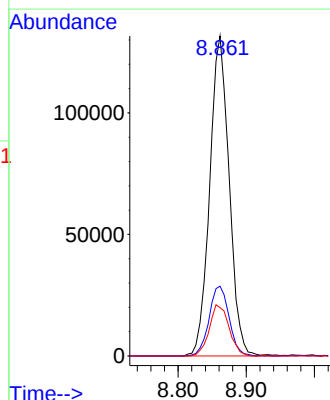
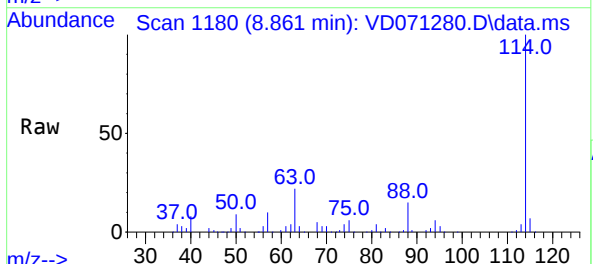
Instrument :
MSVOA_D
ClientSampleId :

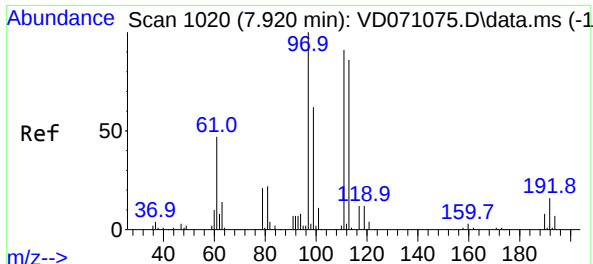
Tgt Ion: 65 Resp: 97557
Ion Ratio Lower Upper
65 100
67 54.4 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

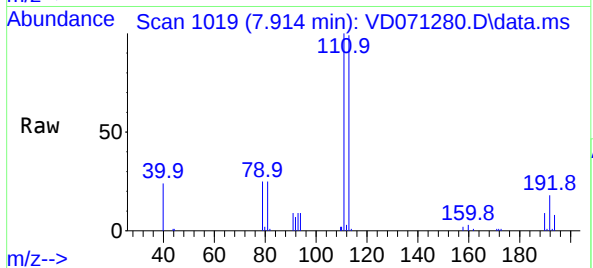
Tgt Ion: 114 Resp: 261281
Ion Ratio Lower Upper
114 100
63 21.8 0.0 41.8
88 15.1 0.0 32.8



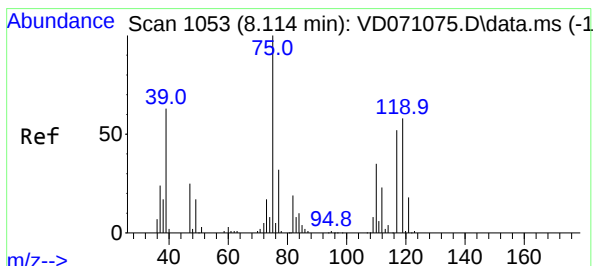
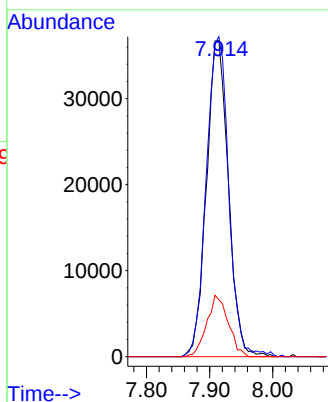
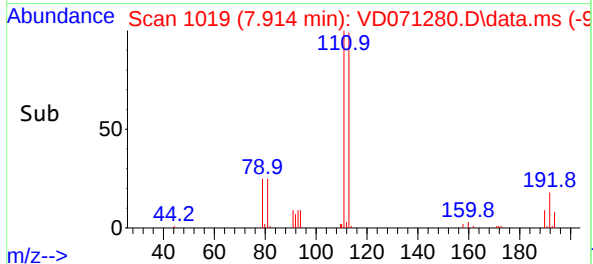


#35
Dibromofluoromethane
Concen: 53.281 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

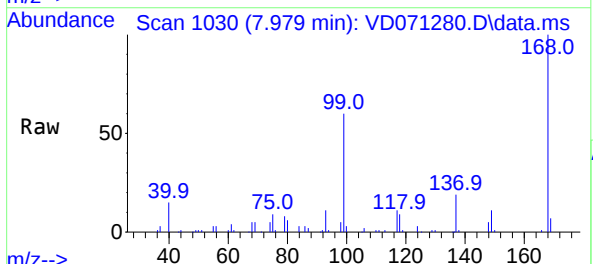
Instrument :
MSVOA_D
ClientSampleId :



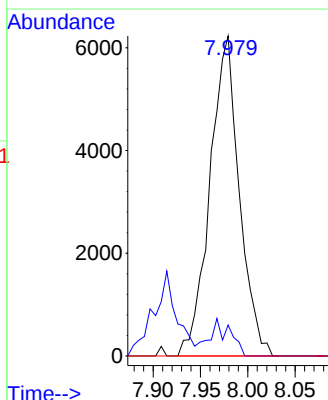
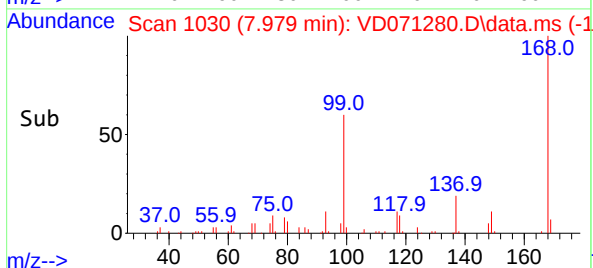
Tgt Ion:113 Resp: 88650
Ion Ratio Lower Upper
113 100
111 103.6 82.0 123.0
192 19.1 15.2 22.8

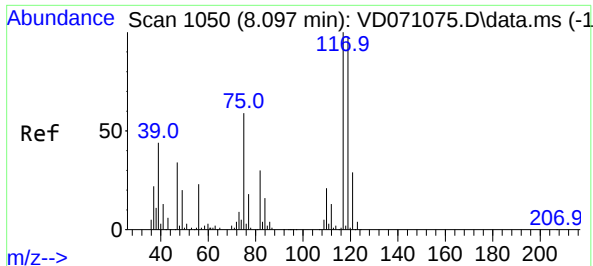


#36
1,1-Dichloropropene
Concen: 5.519 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06



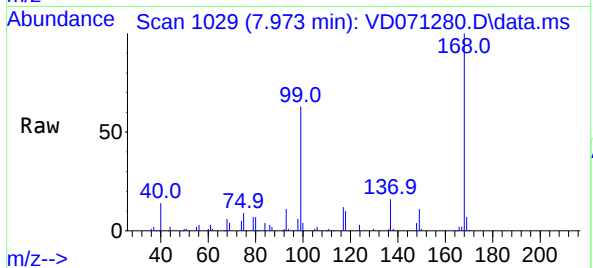
Tgt Ion: 75 Resp: 13478
Ion Ratio Lower Upper
75 100
110 7.5 17.8 53.4#
77 0.0 24.8 37.2#



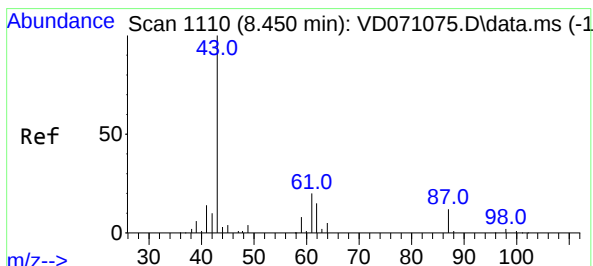
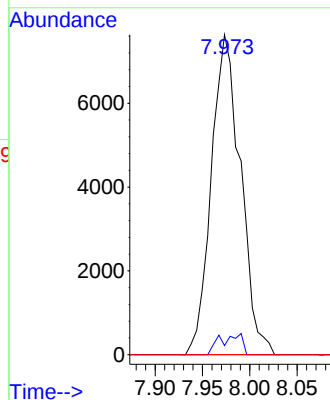
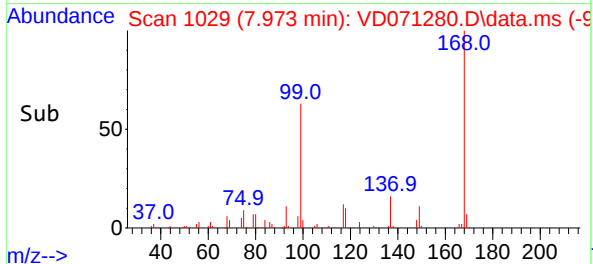


#38
Carbon Tetrachloride
Concen: 6.807 ug/l
RT: 7.973 min Scan# 1109
Delta R.T. -0.124 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :

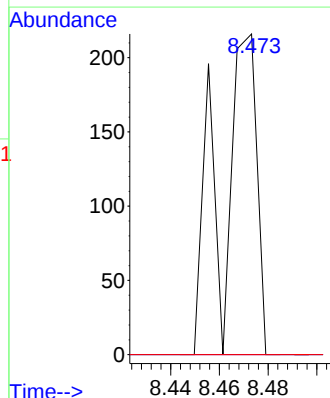
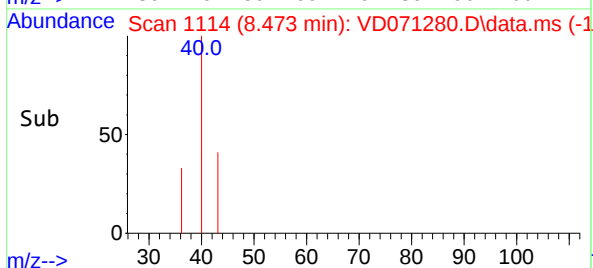
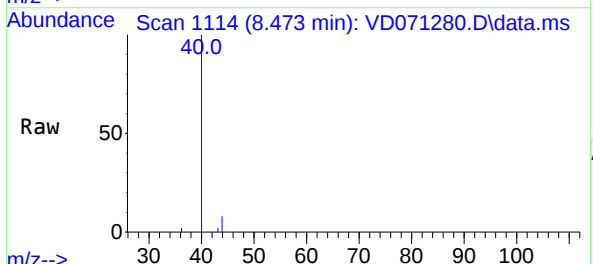


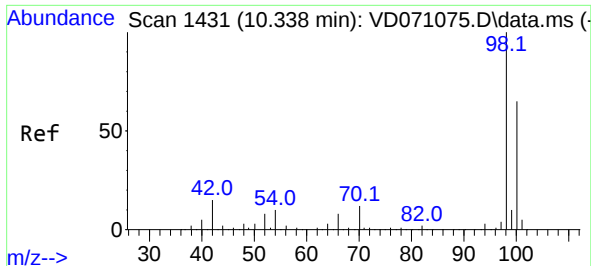
Tgt Ion:117 Resp: 16387
Ion Ratio Lower Upper
117 100
119 2.8 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.307 ug/l
RT: 8.473 min Scan# 1114
Delta R.T. 0.023 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

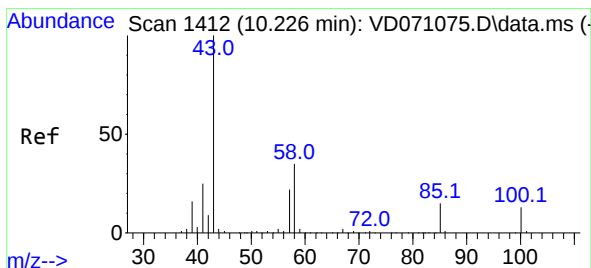
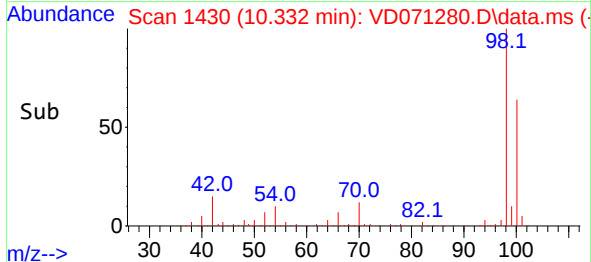
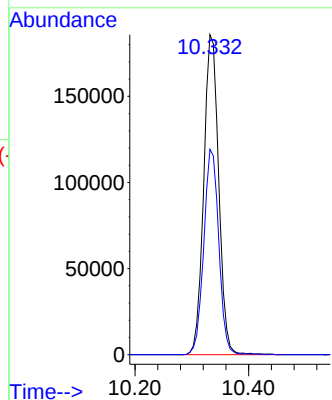
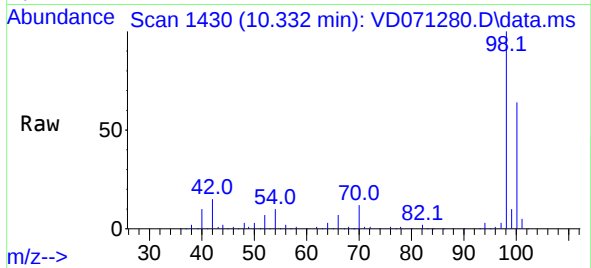




#50
Toluene-d8
Concen: 53.555 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

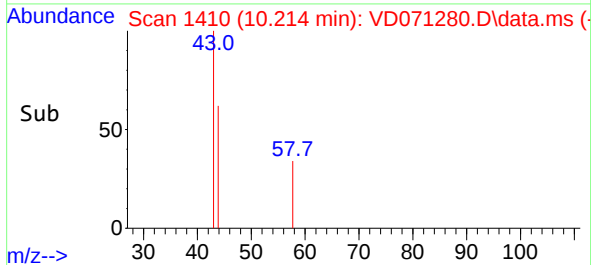
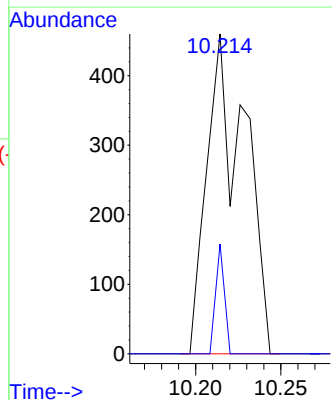
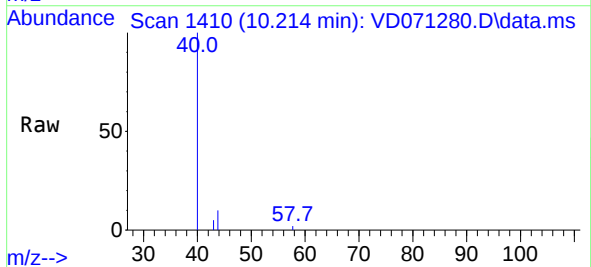
Instrument :
MSVOA_D
ClientSampleId :

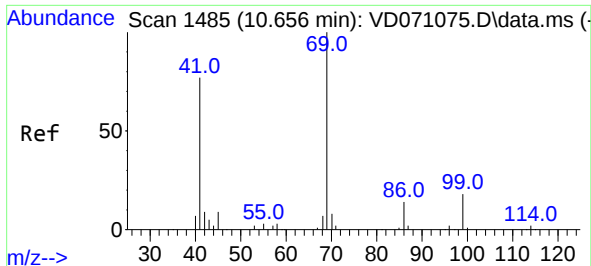
Tgt Ion: 98 Resp: 339091
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.175 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

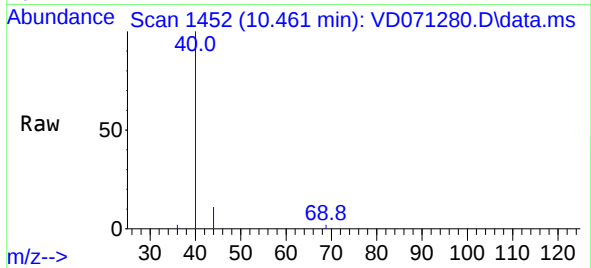
Tgt Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





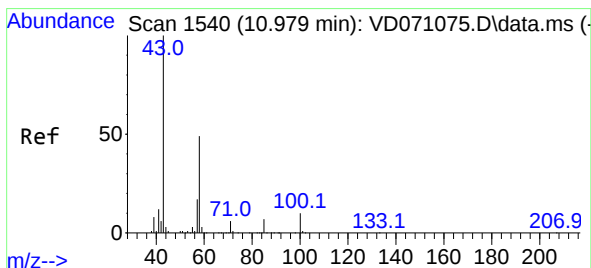
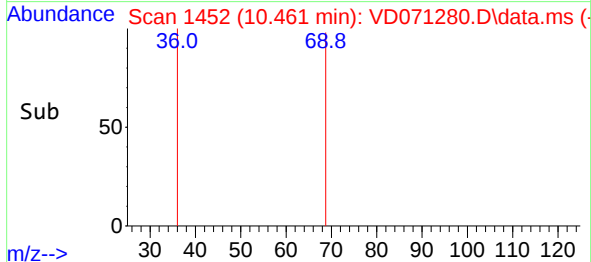
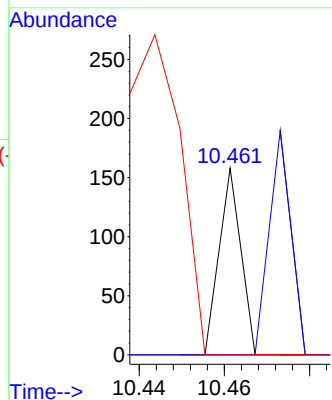
#56
Ethyl methacrylate
Concen: 5.999 ug/l
RT: 10.461 min Scan# 1452
Delta R.T. -0.195 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 69 Resp: 56

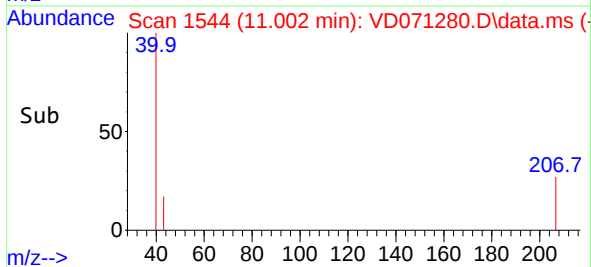
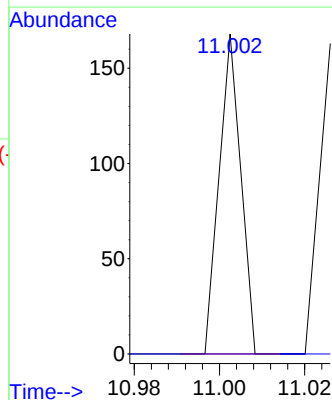
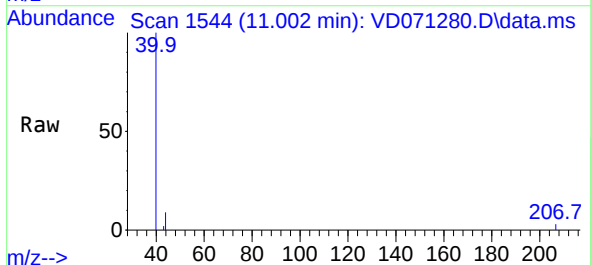
Ion	Ratio	Lower	Upper
69	100		
41	119.6	50.2	75.2#
39	0.0	19.8	29.8#

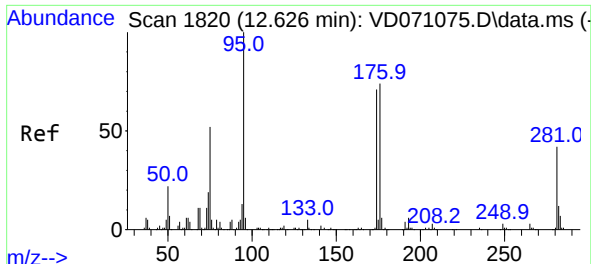


#59
2-Hexanone
Concen: 34.631 ug/l
RT: 11.002 min Scan# 1544
Delta R.T. 0.023 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Tgt Ion: 43 Resp: 59

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.7	86.1#

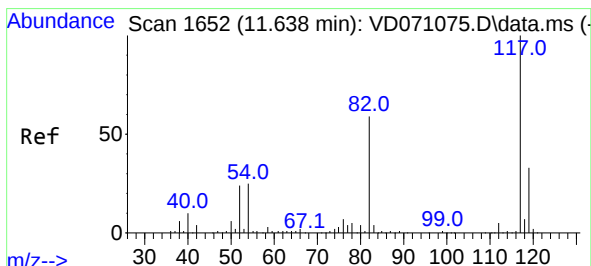
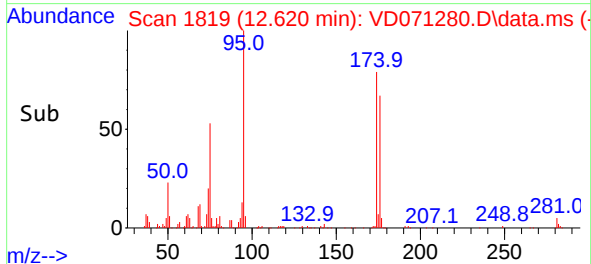
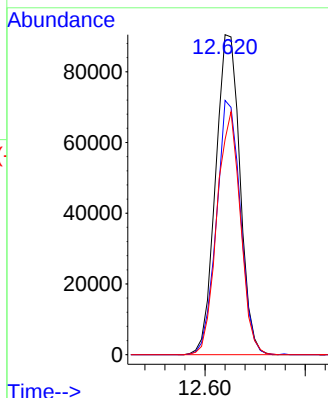
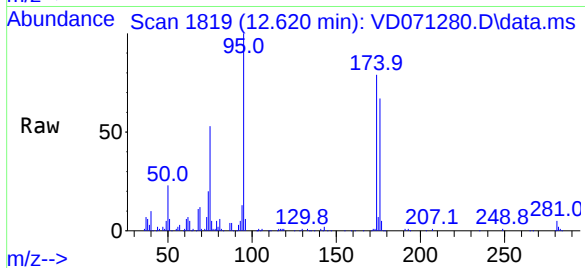




#62
4-Bromofluorobenzene
Concen: 69.524 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

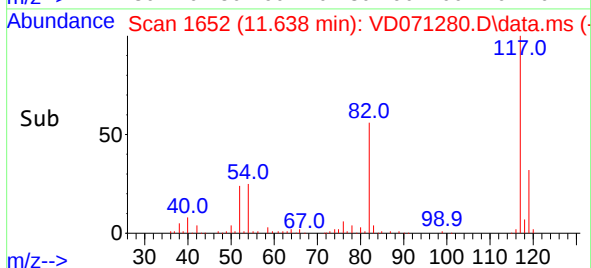
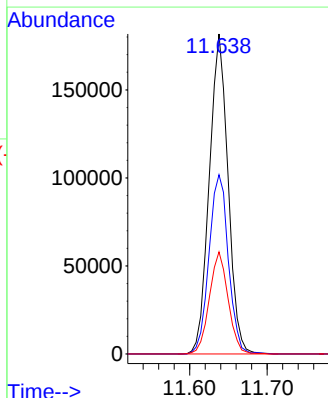
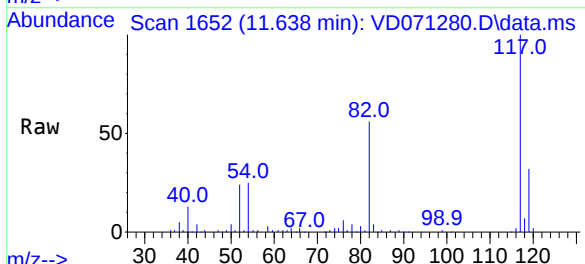
Instrument :
MSVOA_D
ClientSampleId :

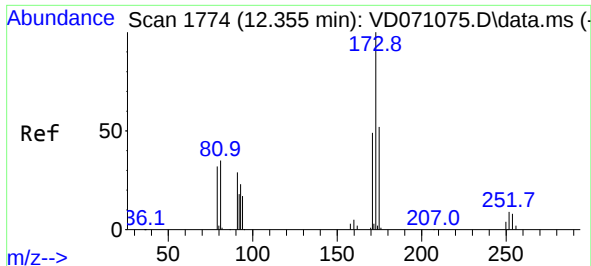
Tgt Ion: 95 Resp: 152591
Ion Ratio Lower Upper
95 100
174 78.1 0.0 159.4
176 73.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Tgt Ion: 117 Resp: 304911
Ion Ratio Lower Upper
117 100
82 56.0 44.7 67.1
119 31.9 26.2 39.4

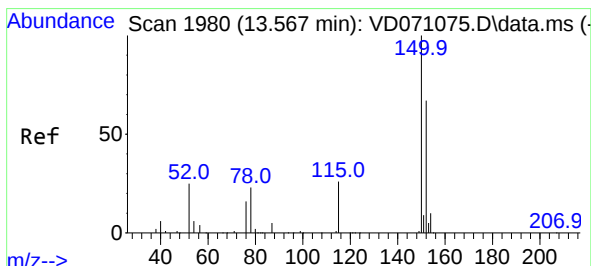
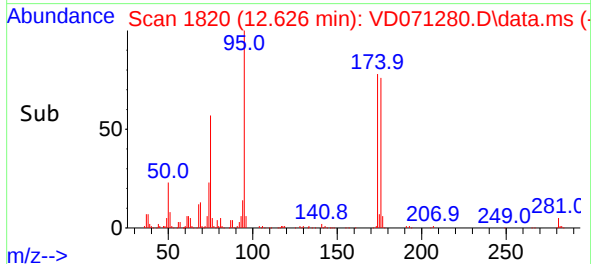
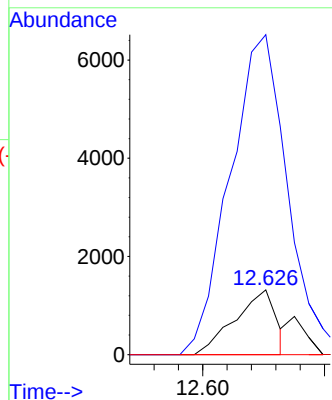
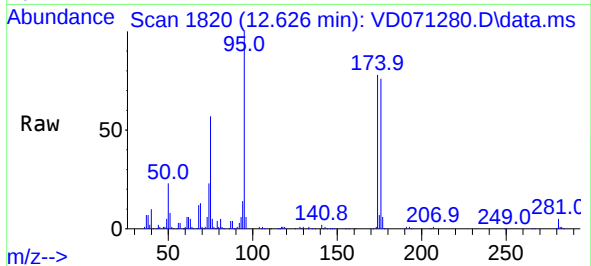




#71
Bromoform
Concen: 1.448 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

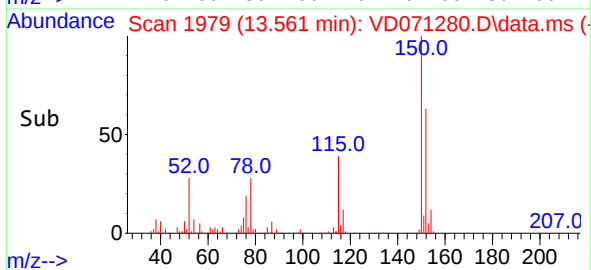
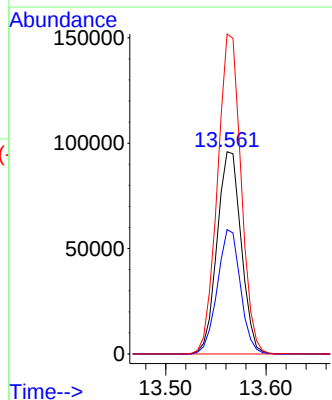
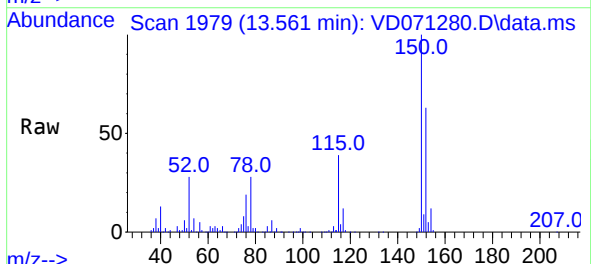
Instrument :
MSVOA_D
ClientSampleId :

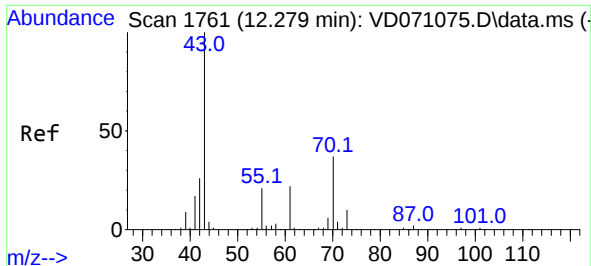
Tgt Ion:173 Resp: 1550
Ion Ratio Lower Upper
173 100
175 595.5 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

Tgt Ion:152 Resp: 159972
Ion Ratio Lower Upper
152 100
115 59.1 29.8 89.3
150 154.8 0.0 349.2

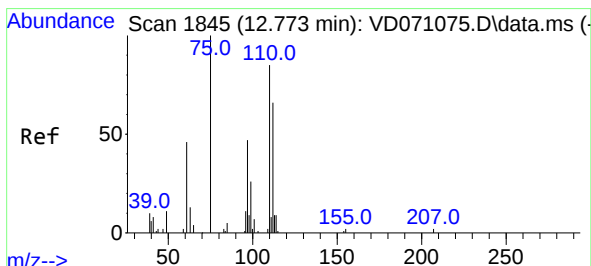
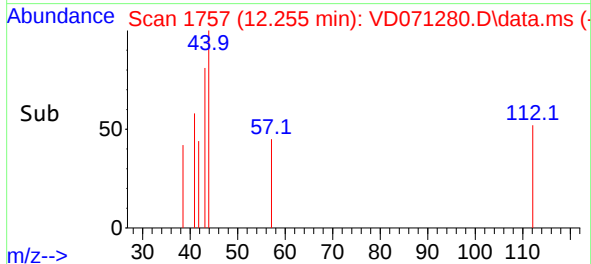
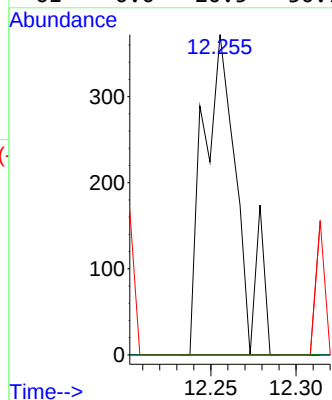
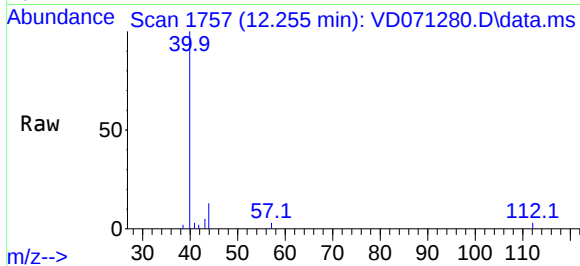




#74
N-amy1 acetate
Concen: 5.849 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

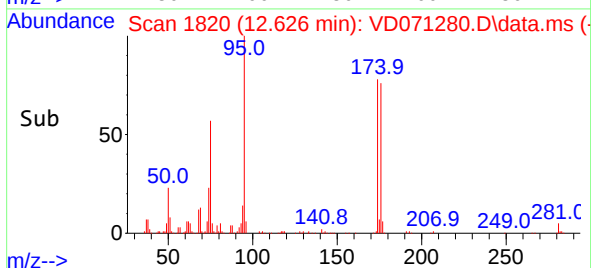
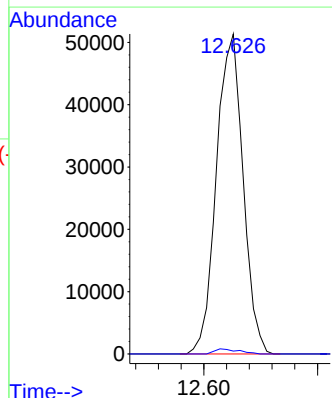
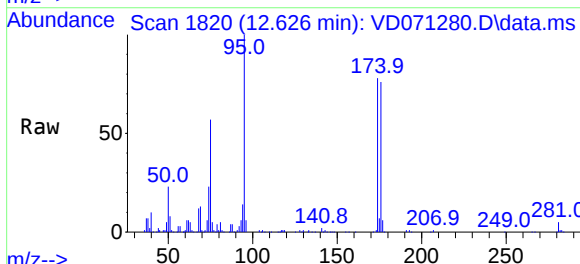
Instrument :
MSVOA_D
ClientSampleId :

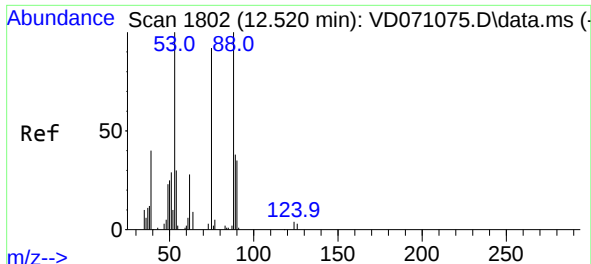
Tgt Ion: 43	Resp:	530
Ion	Ratio	Lower Upper
43	100	
70	0.0	36.6 55.0#
55	0.0	22.5 33.7#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 54.860 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

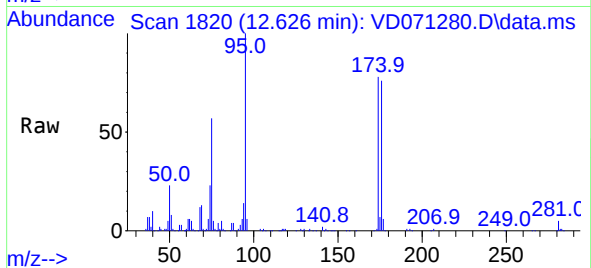
Tgt Ion: 75	Resp:	83614
Ion	Ratio	Lower Upper
75	100	
77	1.4	158.4 475.3#



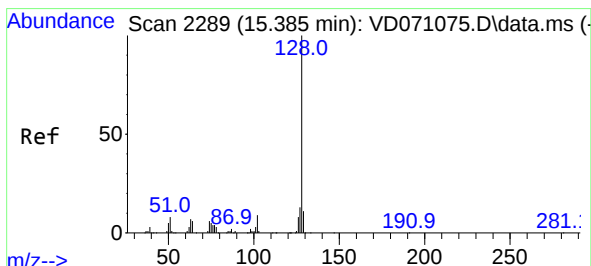
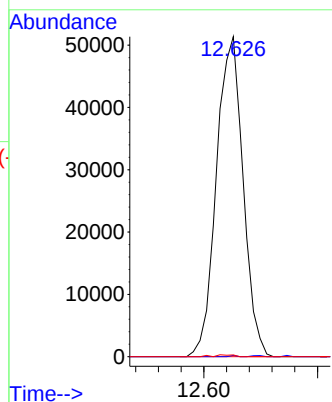
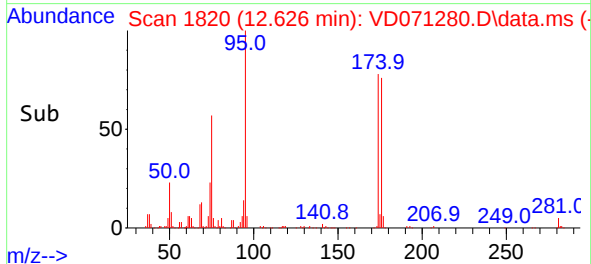


#81
trans-1,4-Dichloro-2-butene
Concen: 119.270 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06

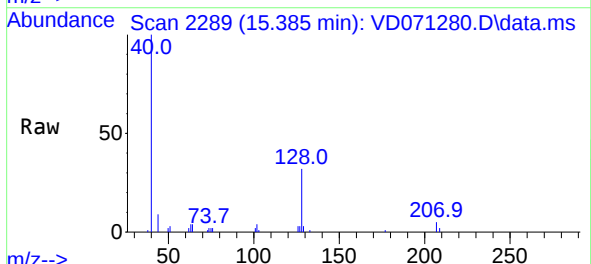
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 83614
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.4 34.5 51.7#



#95
Naphthalene
Concen: 1.761 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD071280.D
Acq: 11 Dec 2021 20:06



Tgt Ion: 128 Resp: 8223
Ion Ratio Lower Upper
128 100
127 11.7 10.7 16.1
129 11.2 8.7 13.1

