

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120621\
 Data File : VD071170.D
 Acq On : 06 Dec 2021 16:24
 Operator : VA/SY
 Sample : M4954-04
 Misc : 6.26G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4(2.0-2.5)

Quant Time: Dec 07 06:52:50 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)

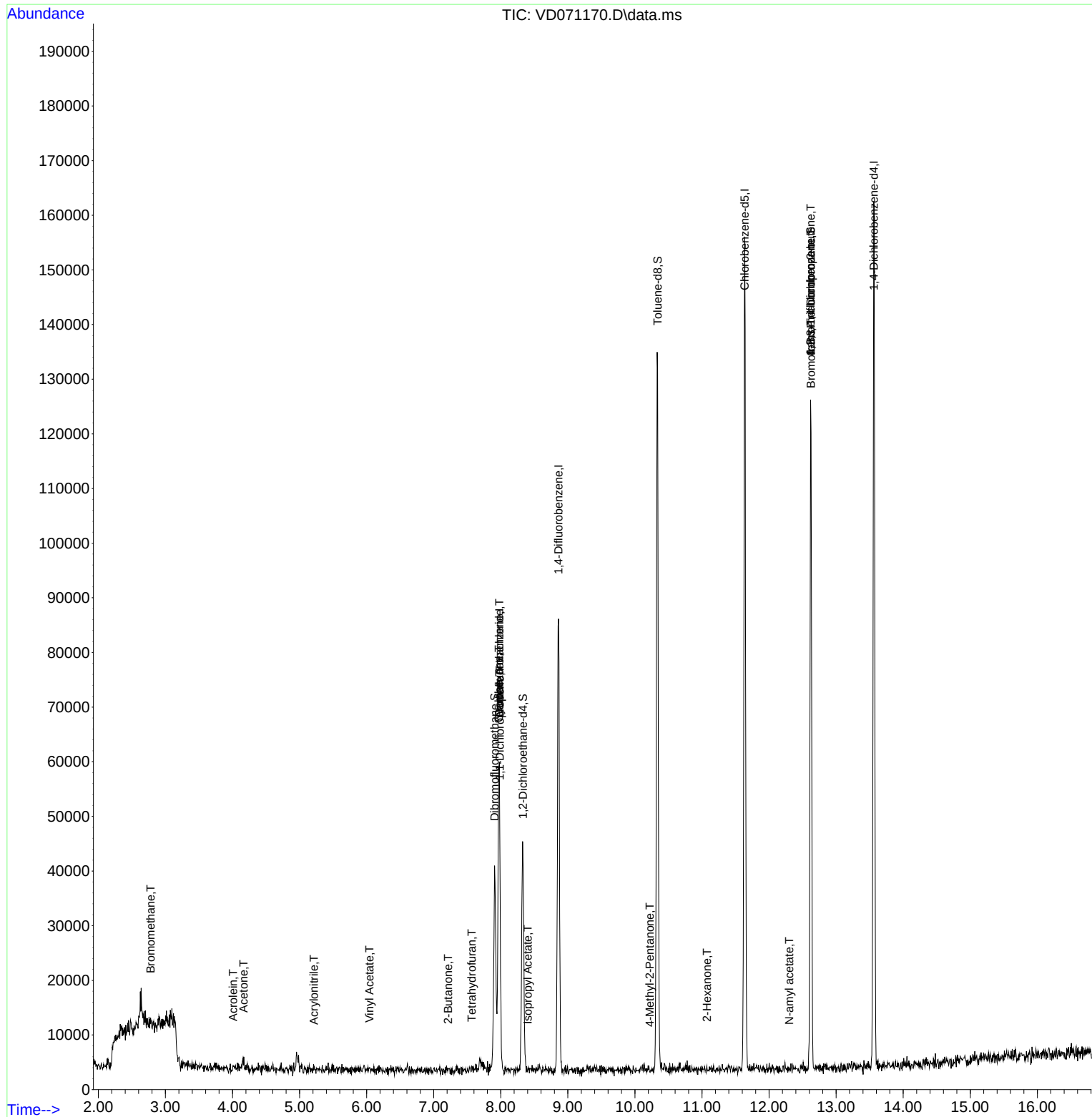
Internal Standards						
1) Pentafluorobenzene	7.979	168	39604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	65999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	78484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	39225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	32222	69.338	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.680%			
35) Dibromofluoromethane	7.908	113	24458	58.195	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.400%			
50) Toluene-d8	10.338	98	88249	55.178	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.360%			
62) 4-Bromofluorobenzene	12.620	95	36670	66.144	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 132.280%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	427	1.188	ug/l	84
13) Acrolein	4.009	56	56	1.763	ug/l #	13
15) Acrylonitrile	5.214	53	110	1.236	ug/l #	19
16) Acetone	4.167	43	2831	50.912	ug/l	96
20) Methylene Chloride	4.967	84	1185	Below Cal	#	79
23) Vinyl Acetate	6.044	43	56	27.284	ug/l #	72
25) 2-Butanone	7.214	43	140	29.230	ug/l #	45
29) Tetrahydrofuran	7.567	42	156	2.114	ug/l #	34
31) Cyclohexane	7.973	56	1232	1.559	ug/l #	53
36) 1,1-Dichloropropene	7.985	75	3714	6.021	ug/l #	49
38) Carbon Tetrachloride	7.979	117	4724	7.769	ug/l #	12
41) Methacrylonitrile	7.556	41	76	Below Cal	#	12
43) Isopropyl Acetate	8.403	43	179	5.496	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	97	30.935	ug/l #	34
59) 2-Hexanone	11.073	43	221	35.415	ug/l #	22
71) Bromoform	12.626	173	370	1.343	ug/l #	1
74) N-amyl acetate	12.302	43	216	5.947	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	21662	57.963	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	21662	125.691	ug/l #	18

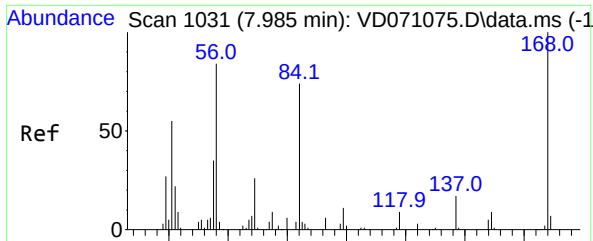
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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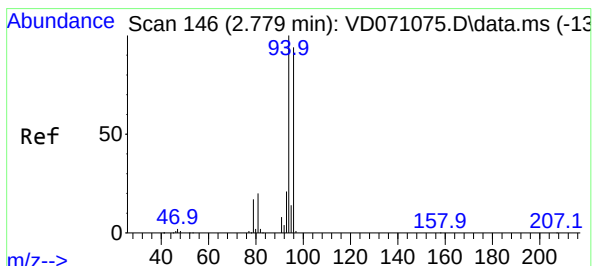
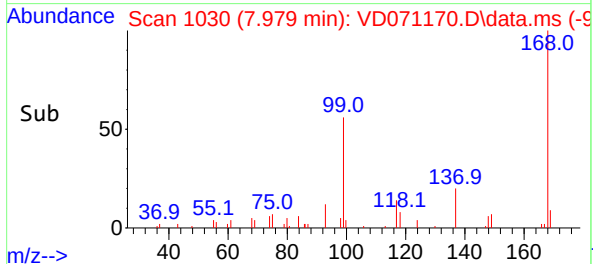
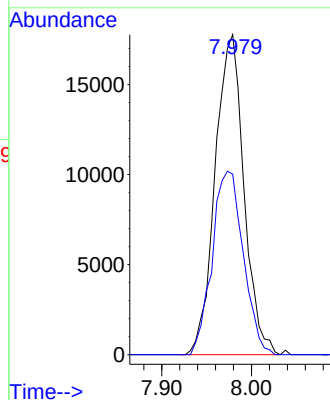
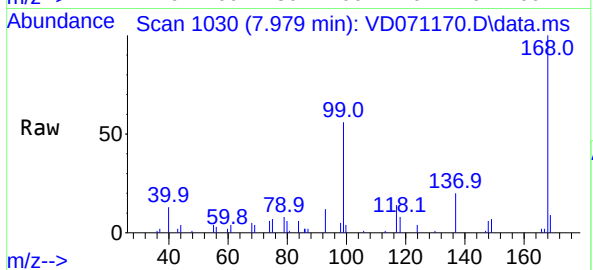




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

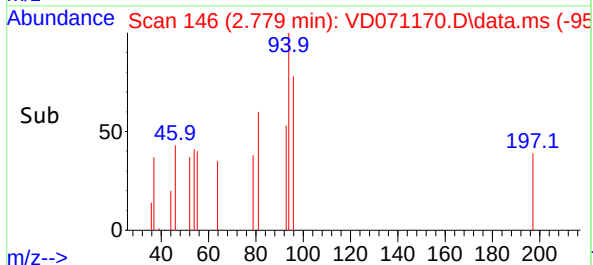
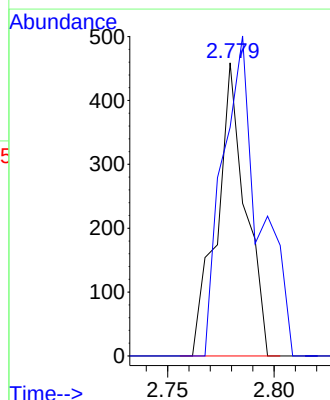
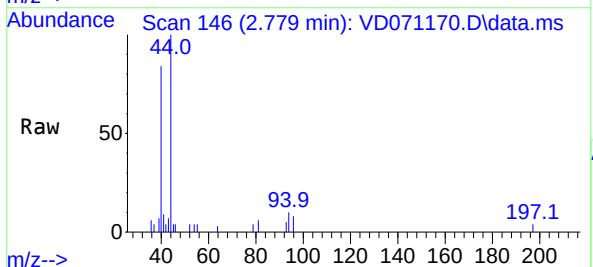
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)

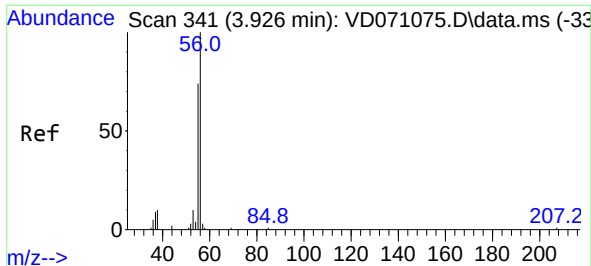
Tgt Ion:168 Resp: 39604
Ion Ratio Lower Upper
168 100
99 56.4 46.6 69.8



#5
Bromomethane
Concen: 1.188 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.000 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion: 94 Resp: 427
Ion Ratio Lower Upper
94 100
96 78.0 74.8 112.2

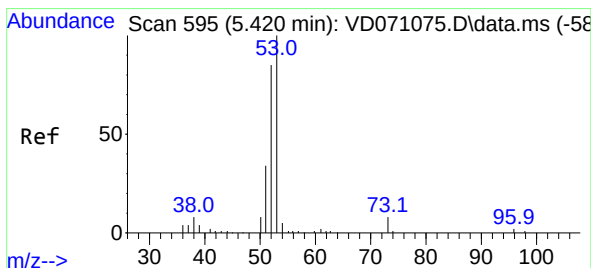
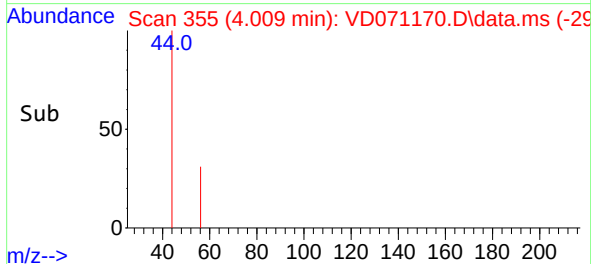
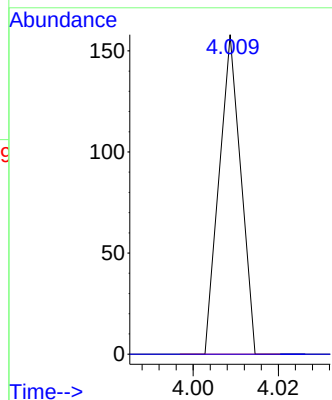
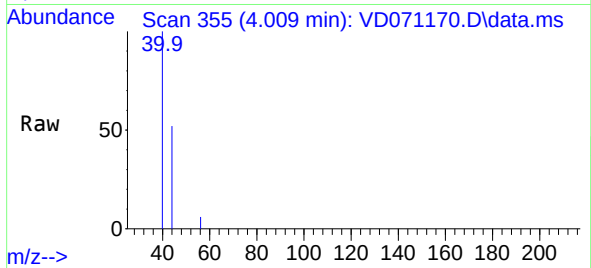




#13
Acrolein
Concen: 1.763 ug/l
RT: 4.009 min Scan# 31
Delta R.T. 0.083 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

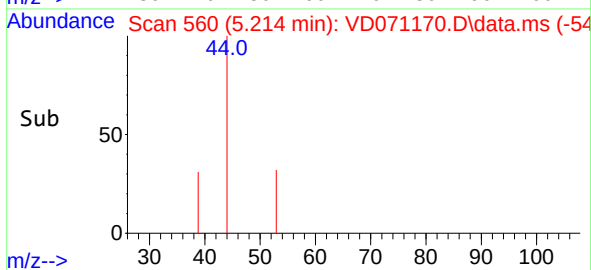
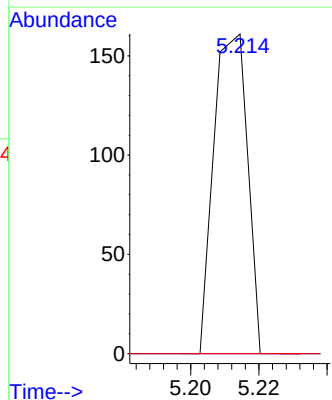
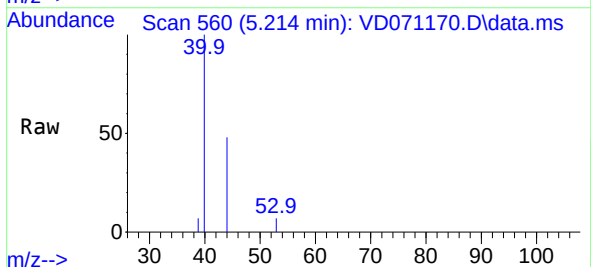
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)

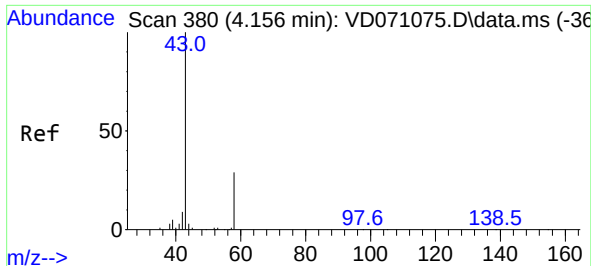
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



#15
Acrylonitrile
Concen: 1.236 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.206 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion: 53 Resp: 110
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#

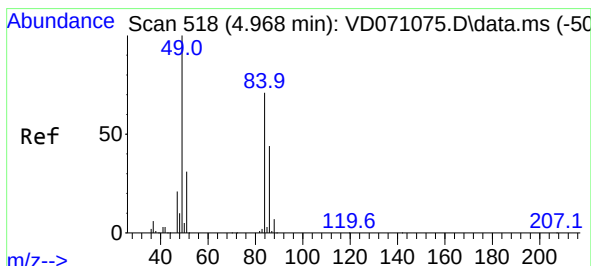
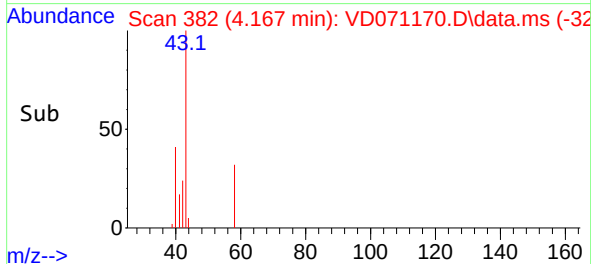
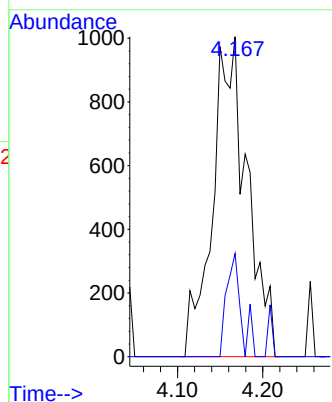
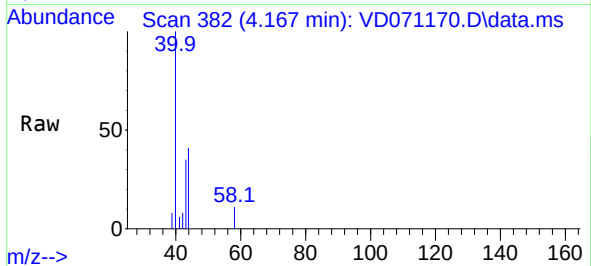




#16
Acetone
Concen: 50.912 ug/l
RT: 4.167 min Scan# 380
Delta R.T. 0.011 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

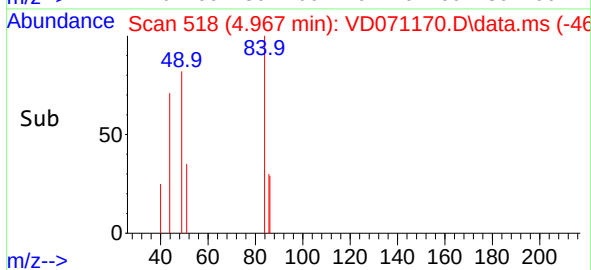
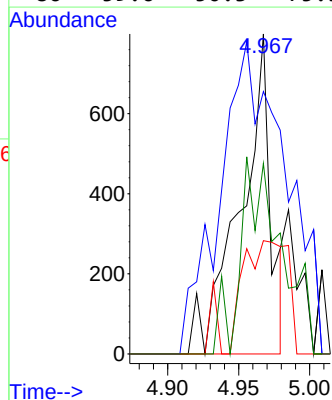
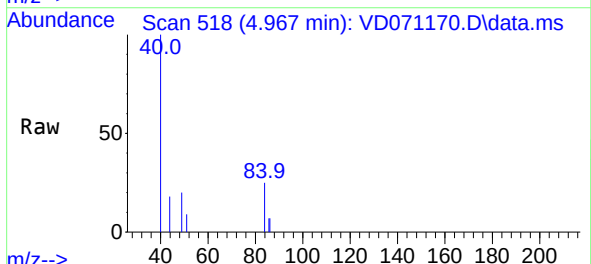
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)

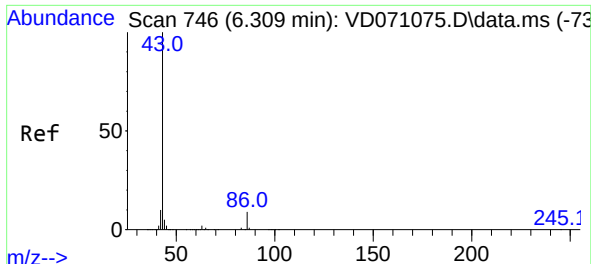
Tgt Ion: 43 Resp: 2831
Ion Ratio Lower Upper
43 100
58 32.2 27.8 41.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion: 84 Resp: 1185
Ion Ratio Lower Upper
84 100
49 82.0 95.8 143.6#
51 35.4 30.9 46.3
86 59.6 50.3 75.5

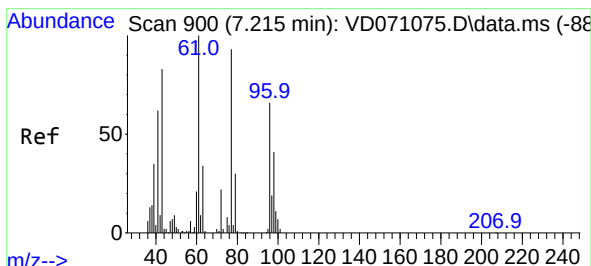
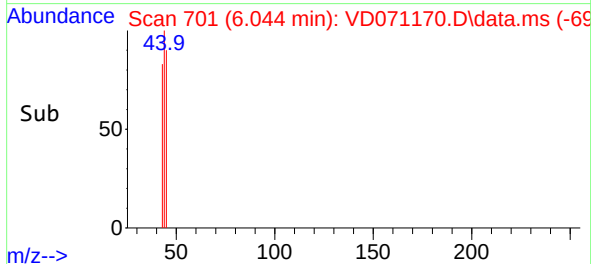
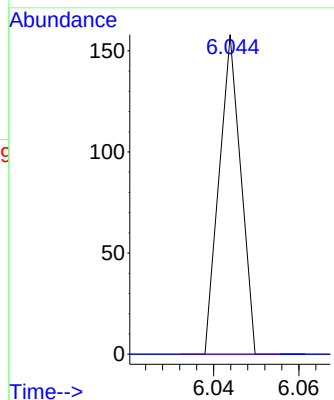
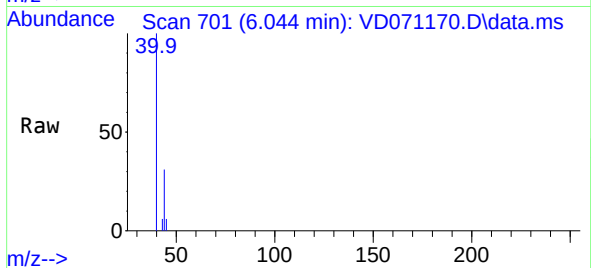




#23
 Vinyl Acetate
 Concen: 27.284 ug/l
 RT: 6.044 min Scan# 701
 Delta R.T. -0.265 min
 Lab File: VD071170.D
 Acq: 06 Dec 2021 16:24

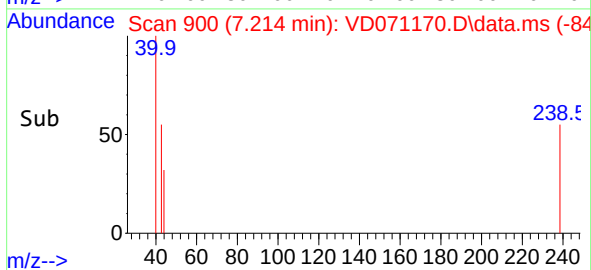
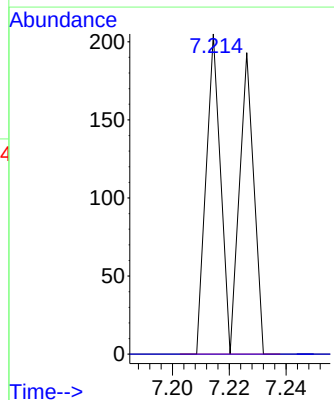
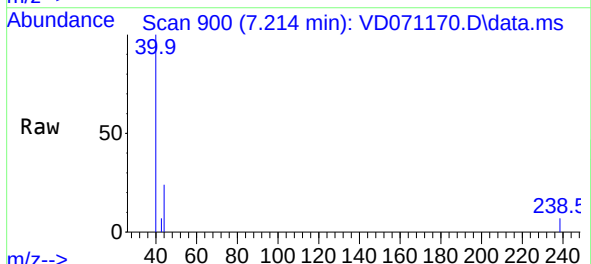
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4(2.0-2.5)

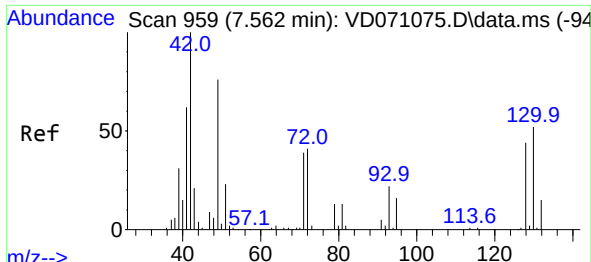
Tgt Ion: 43 Resp: 56
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.230 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.001 min
 Lab File: VD071170.D
 Acq: 06 Dec 2021 16:24

Tgt Ion: 43 Resp: 140
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#

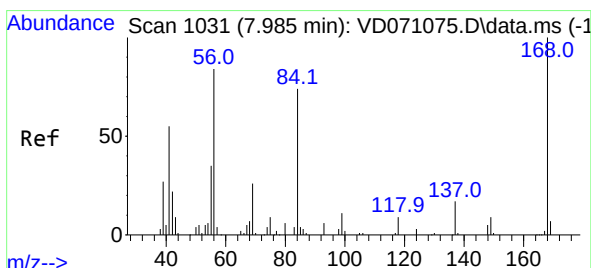
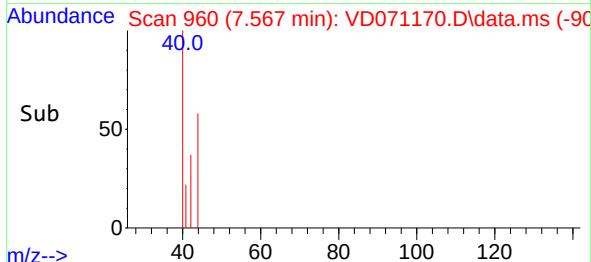
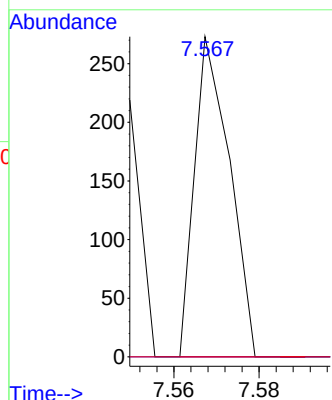
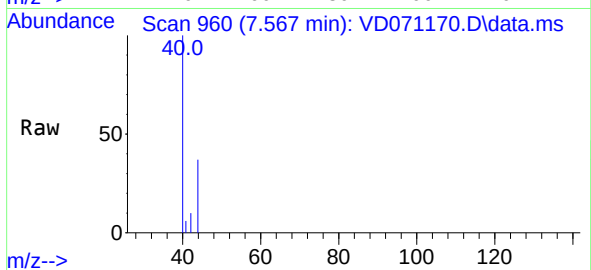




#29
Tetrahydrofuran
Concen: 2.114 ug/l
RT: 7.567 min Scan# 90
Delta R.T. 0.005 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

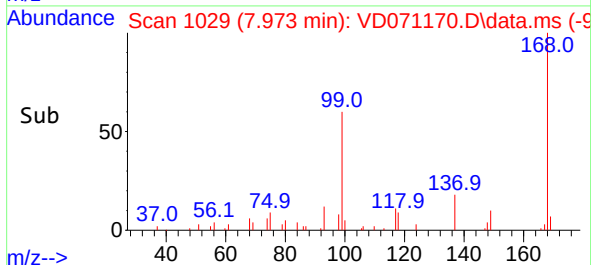
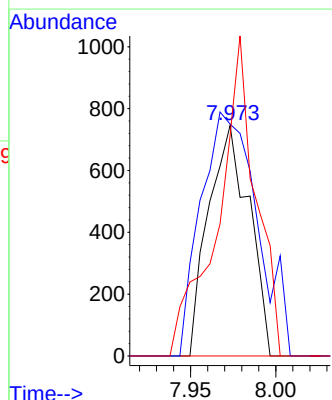
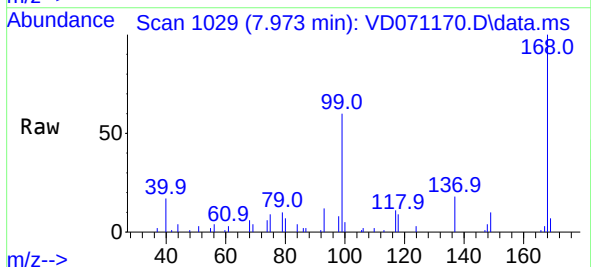
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)

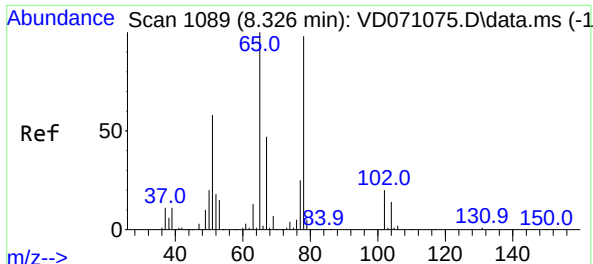
Tgt Ion:	42	Resp:	156
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#



#31
Cyclohexane
Concen: 1.559 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion:	56	Resp:	1232
Ion	Ratio	Lower	Upper
56	100		
69	100.5	25.9	38.9#
84	95.6	64.3	96.5

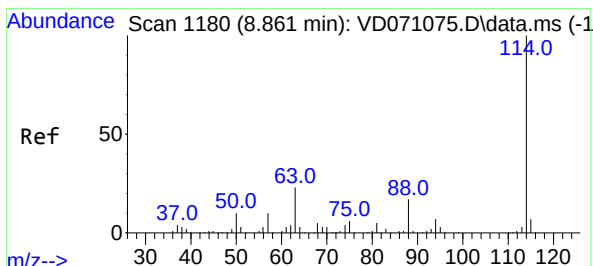
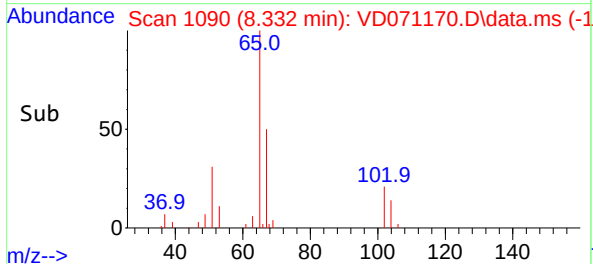
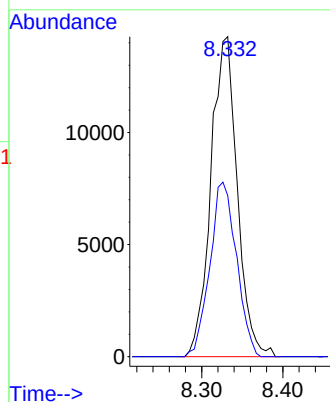
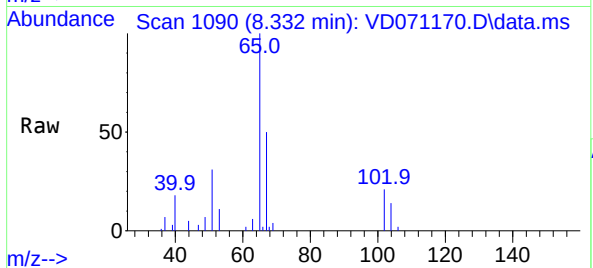




#33
1,2-Dichloroethane-d4
Concen: 69.338 ug/l
RT: 8.332 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

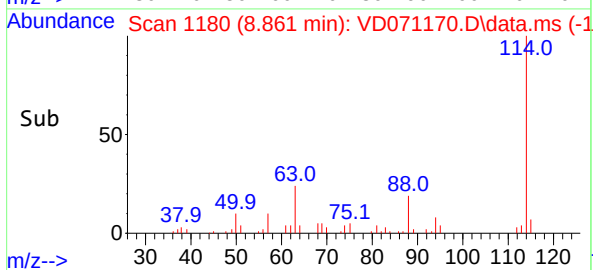
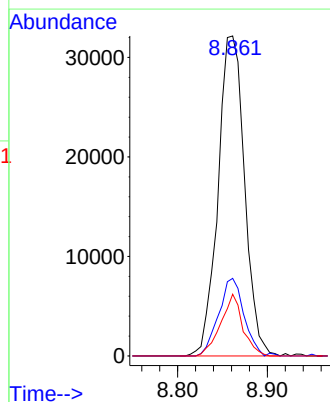
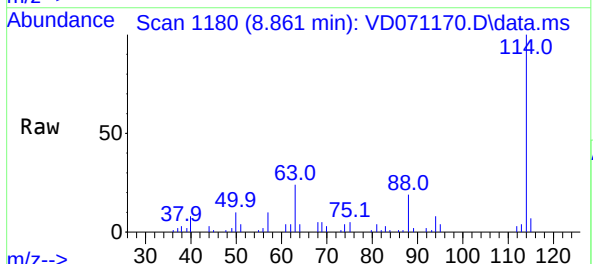
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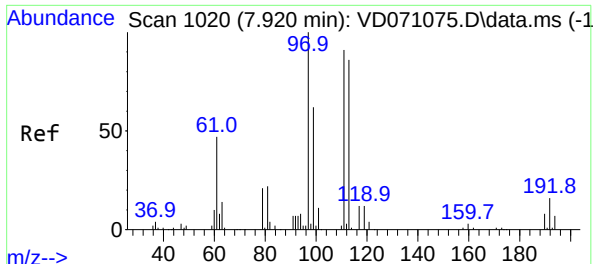
Tgt Ion: 65 Resp: 32222
Ion Ratio Lower Upper
65 100
67 55.0 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion: 114 Resp: 65999
Ion Ratio Lower Upper
114 100
63 24.2 0.0 41.8
88 19.3 0.0 32.8

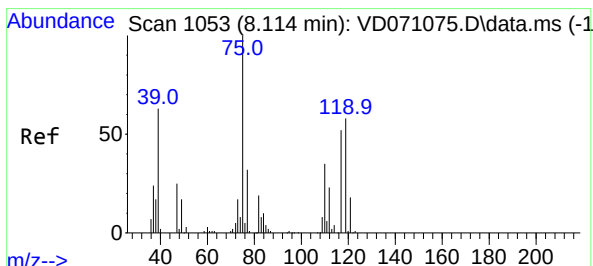
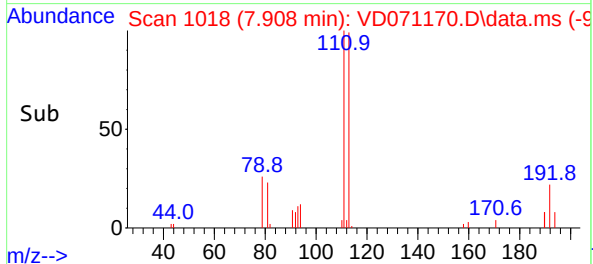
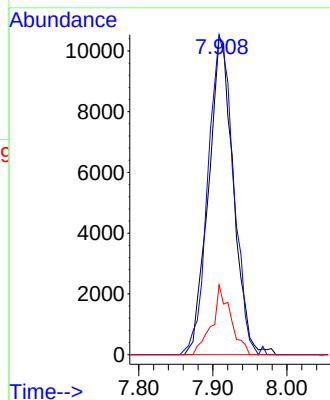
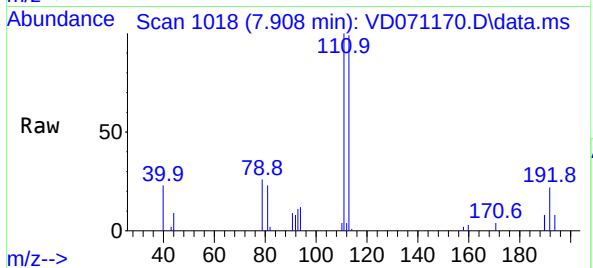




#35
Dibromofluoromethane
Concen: 58.195 ug/l
RT: 7.908 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

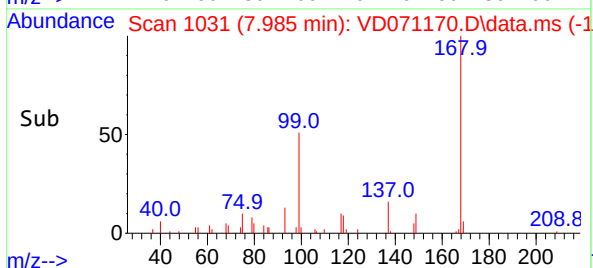
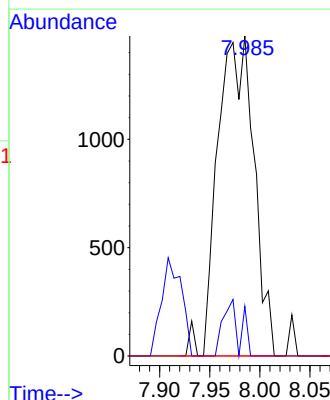
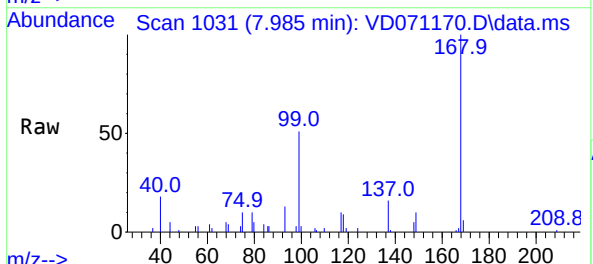
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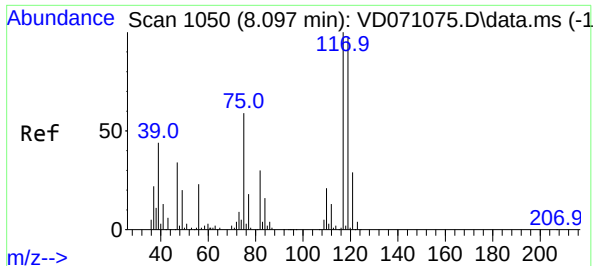
Tgt Ion:	113	Resp:	24458
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.0	123.0
192	16.4	15.2	22.8



#36
1,1-Dichloropropene
Concen: 6.021 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion:	75	Resp:	3714
Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.8	53.4#
77	0.0	24.8	37.2#

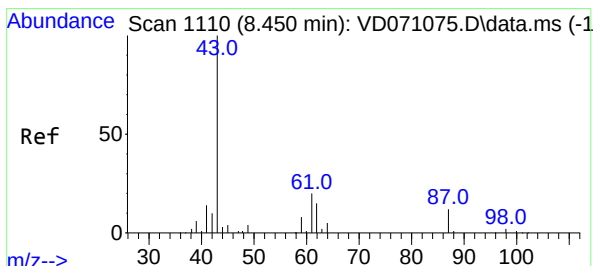
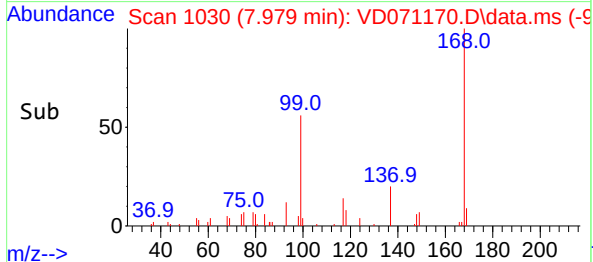
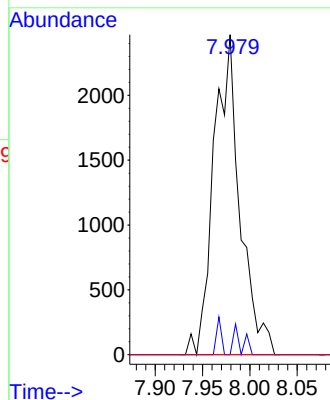
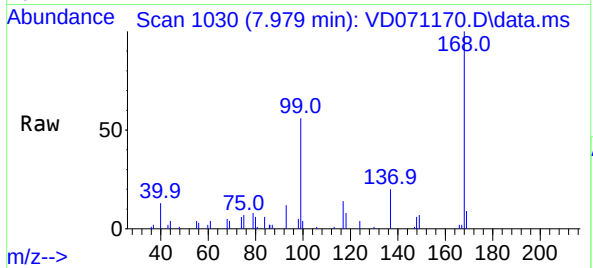




#38
Carbon Tetrachloride
Concen: 7.769 ug/l
RT: 7.979 min Scan# 1102
Delta R.T. -0.118 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

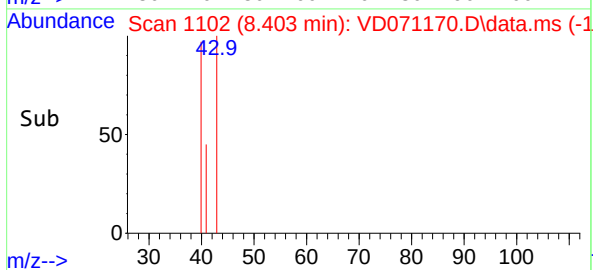
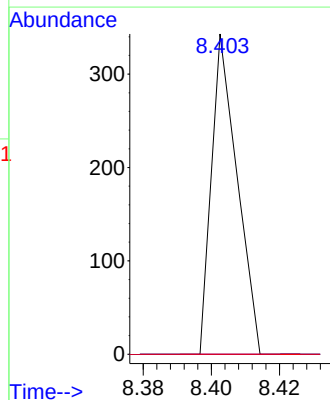
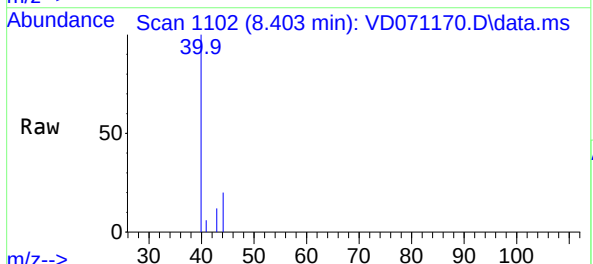
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)

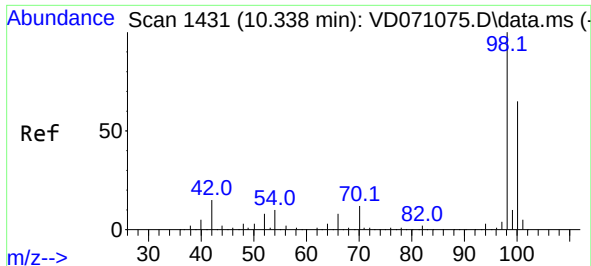
Tgt Ion:117 Resp: 4724
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.496 ug/l
RT: 8.403 min Scan# 1102
Delta R.T. -0.047 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

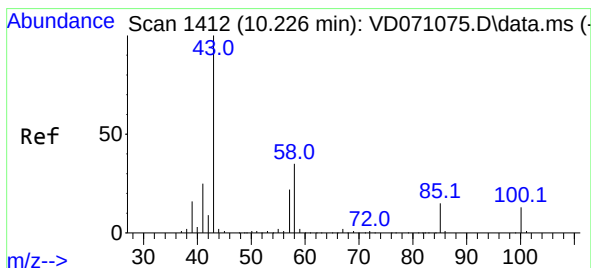
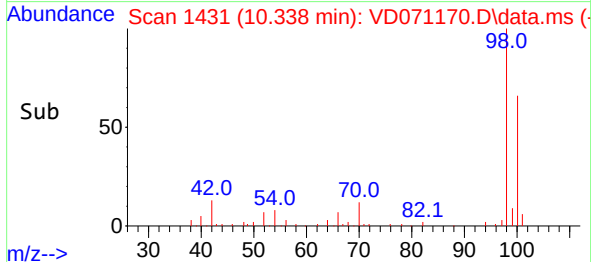
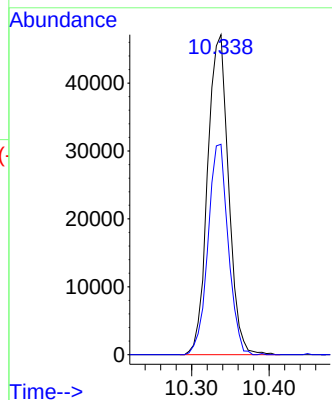
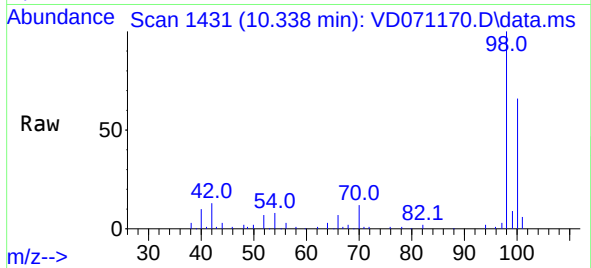




#50
Toluene-d8
Concen: 55.178 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

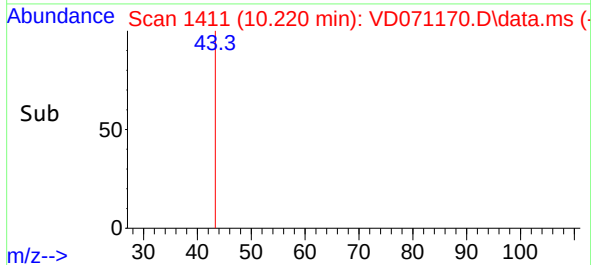
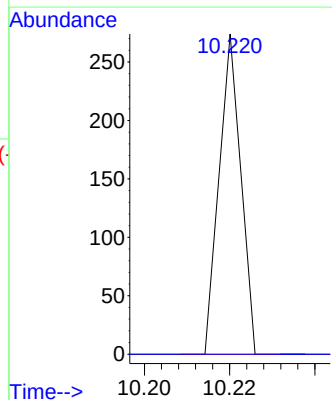
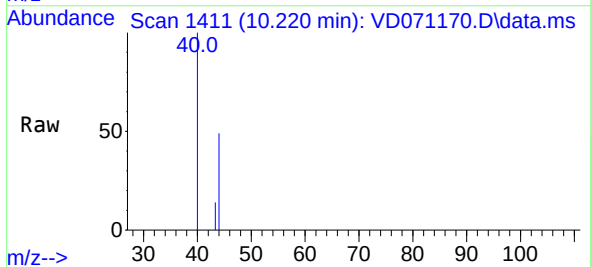
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)

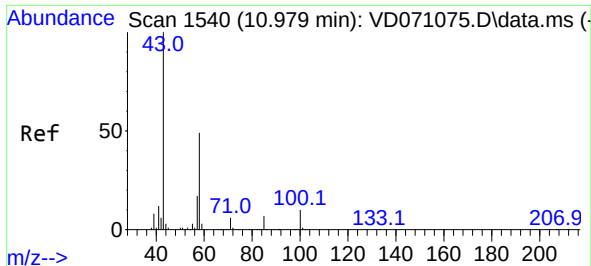
Tgt Ion: 98 Resp: 88249
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.935 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

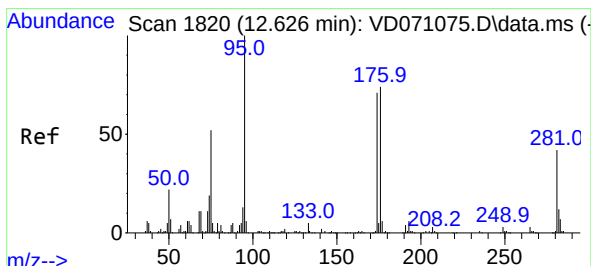
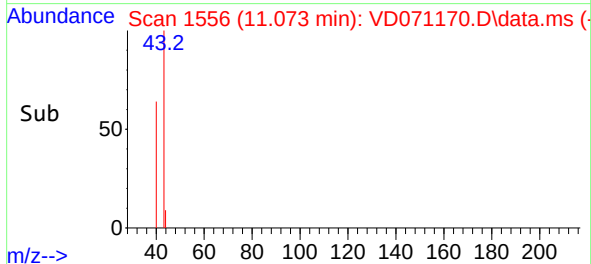
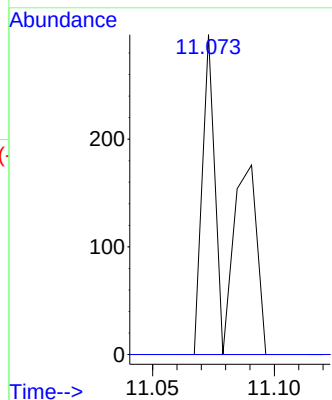
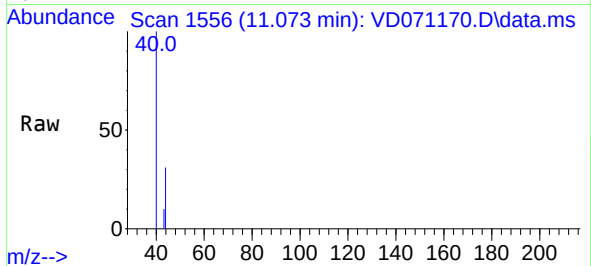




#59
2-Hexanone
Concen: 35.415 ug/l
RT: 11.073 min Scan# 11
Delta R.T. 0.094 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

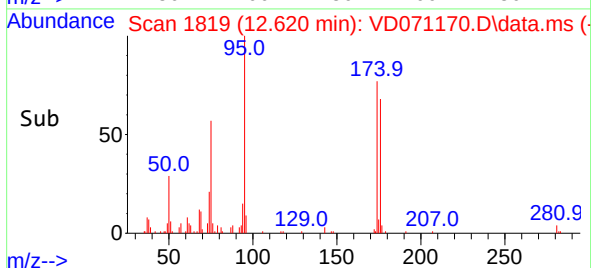
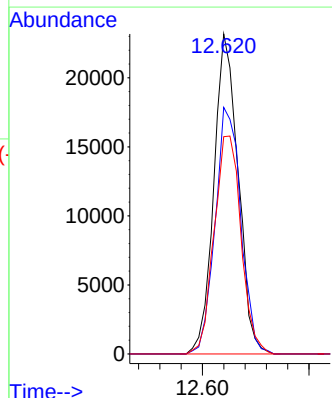
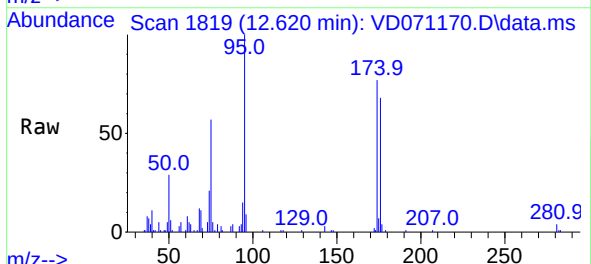
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)

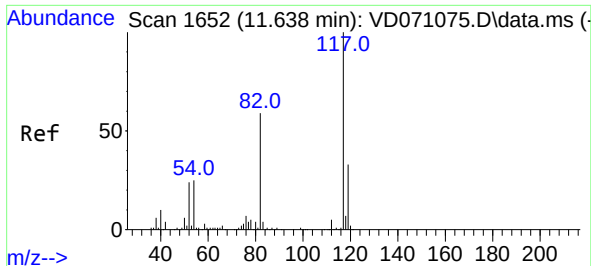
Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 66.144 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion: 95 Resp: 36670
Ion Ratio Lower Upper
95 100
174 81.4 0.0 159.4
176 75.5 0.0 154.0

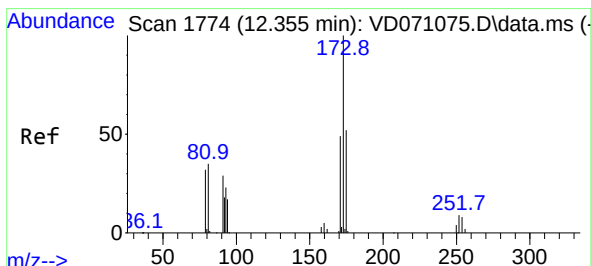
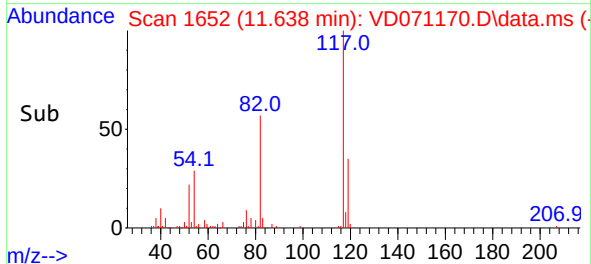
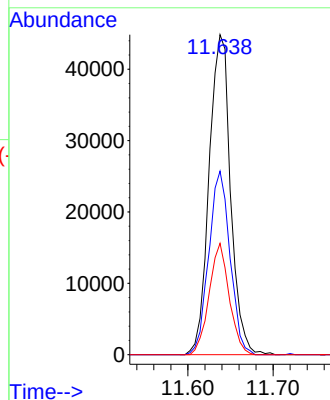
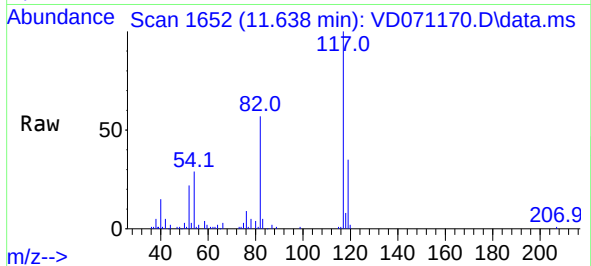




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

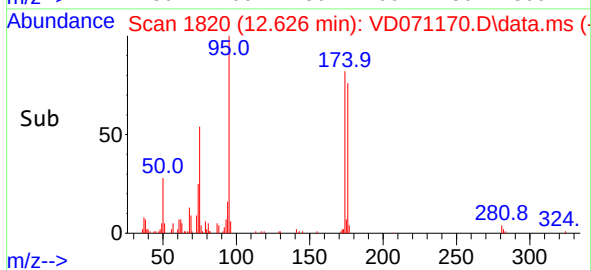
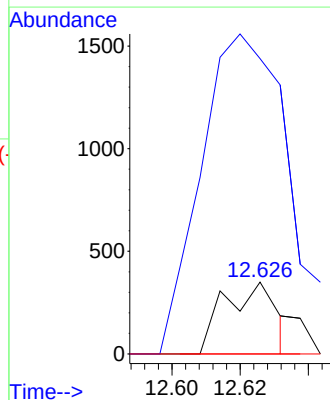
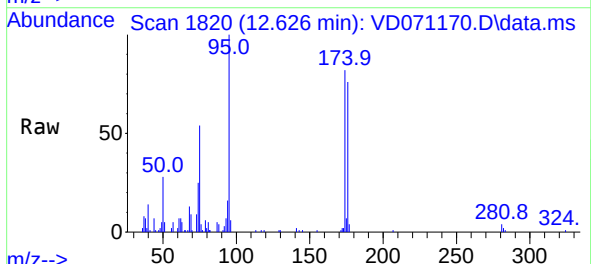
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)

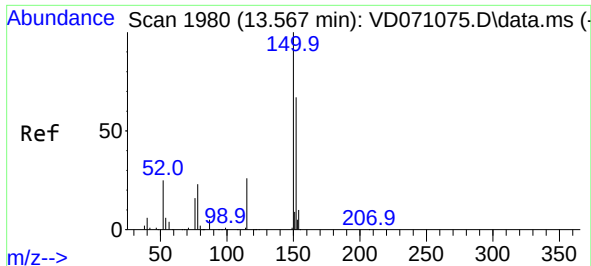
Tgt Ion:117 Resp: 78484
Ion Ratio Lower Upper
117 100
82 57.3 44.7 67.1
119 34.8 26.2 39.4



#71
Bromoform
Concen: 1.343 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion:173 Resp: 370
Ion Ratio Lower Upper
173 100
175 670.8 24.1 72.2#
254 0.0 0.1 0.1#

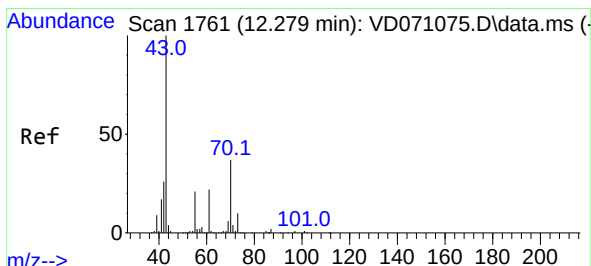
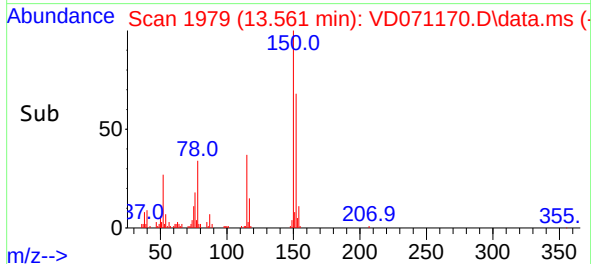
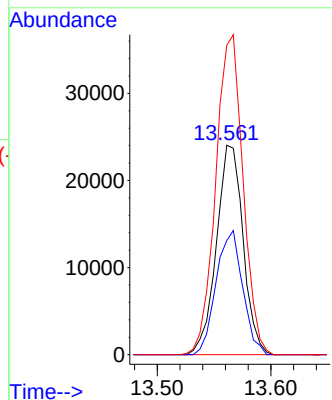
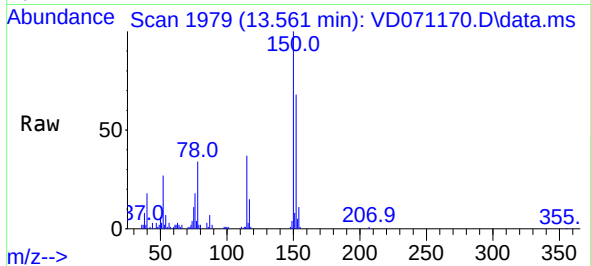




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

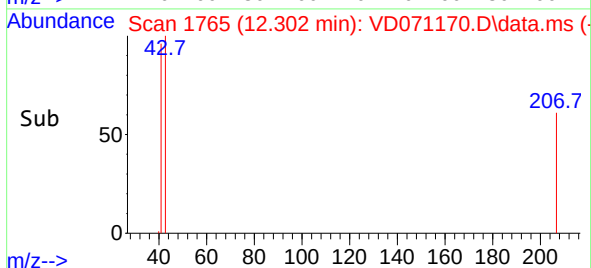
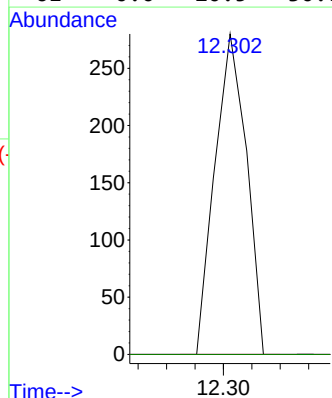
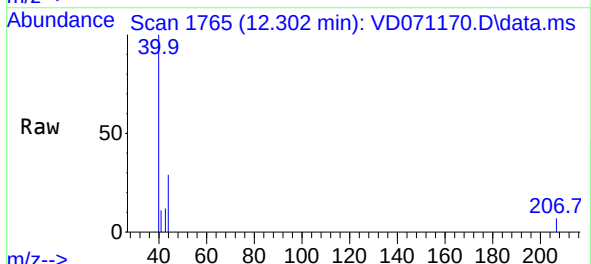
Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)

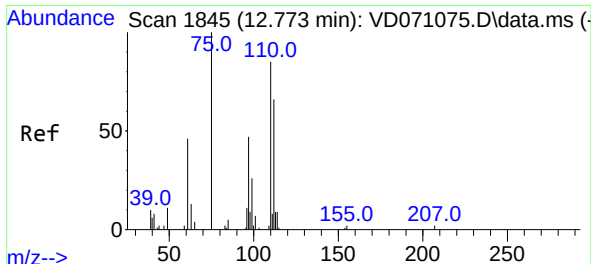
Tgt Ion:152 Resp: 39225
Ion Ratio Lower Upper
152 100
115 58.9 29.8 89.3
150 156.5 0.0 349.2



#74
N-amy1 acetate
Concen: 5.947 ug/l
RT: 12.302 min Scan# 1765
Delta R.T. 0.023 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion: 43 Resp: 216
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#

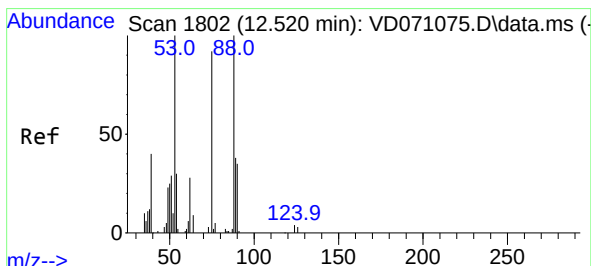
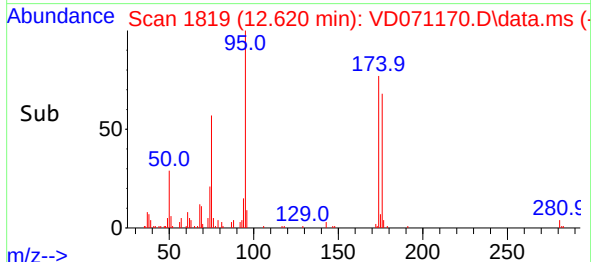
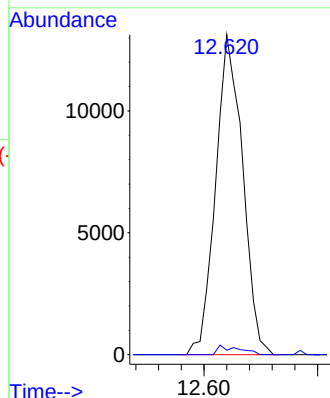
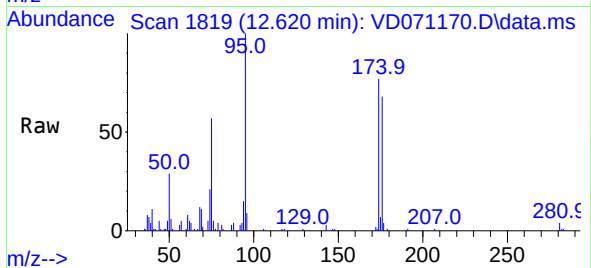




#76
1,2,3-Trichloropropane
Concen: 57.963 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Instrument :
MSVOA_D
ClientSampleId :
SB-4(2.0-2.5)

Tgt Ion: 75 Resp: 21662
Ion Ratio Lower Upper
75 100
77 2.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.691 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071170.D
Acq: 06 Dec 2021 16:24

Tgt Ion: 75 Resp: 21662
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

