

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120621\
 Data File : VD071169.D
 Acq On : 06 Dec 2021 15:56
 Operator : VA/SY
 Sample : M4954-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(2.5-3)

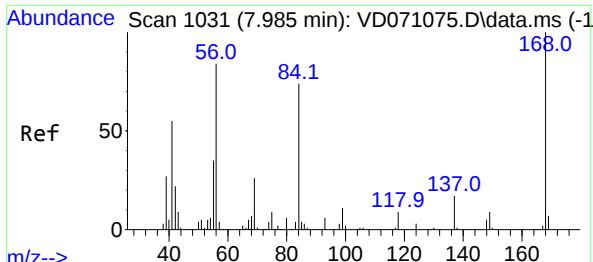
Quant Time: Dec 07 06:52:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	280290	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.856	114	479420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	402103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	101749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	145461	44.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.460%
35) Dibromofluoromethane	7.909	113	153620	50.319	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.640%
50) Toluene-d8	10.332	98	580226	49.943	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.626	95	157973	39.227	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.460%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	139	4.599	ug/l #	66
11) Tert butyl alcohol	5.209	59	194	Below Cal	#	71
16) Acetone	4.144	43	4351	35.165	ug/l #	75
20) Methylene Chloride	4.962	84	20465	2.171	ug/l #	87
23) Vinyl Acetate	6.309	43	128	27.240	ug/l #	72
25) 2-Butanone	7.203	43	1393	29.583	ug/l #	45
29) Tetrahydrofuran	7.562	42	679	1.300	ug/l #	52
31) Cyclohexane	7.973	56	8617	1.540	ug/l #	51
36) 1,1-Dichloropropene	7.967	75	24784	5.531	ug/l #	50
38) Carbon Tetrachloride	7.967	117	29512	6.682	ug/l #	19
41) Methacrylonitrile	7.503	41	71	Below Cal	#	28
43) Isopropyl Acetate	8.432	43	63	5.236	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	534	30.866	ug/l #	34
56) Ethyl methacrylate	10.567	69	66	5.989	ug/l #	1
59) 2-Hexanone	10.973	43	200	34.679	ug/l #	22
60) Dibromochloromethane	10.879	129	4604	1.700	ug/l #	11
64) Tetrachloroethene	10.873	164	4907	1.922	ug/l #	83
74) N-amyl acetate	12.250	43	130	5.758	ug/l #	42
76) 1,2,3-Trichloropropane	12.620	75	89307	92.124	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	89307	196.365	ug/l #	19

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

Quant Time: Dec 07 06:52:29 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

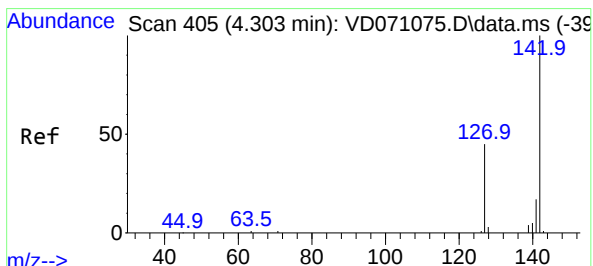
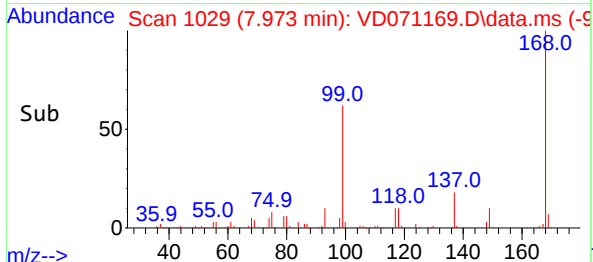
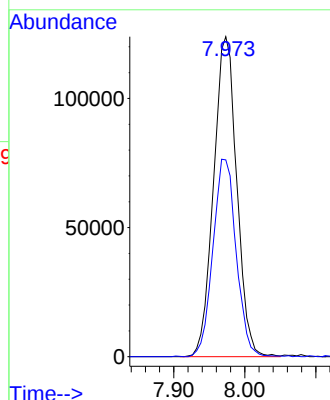
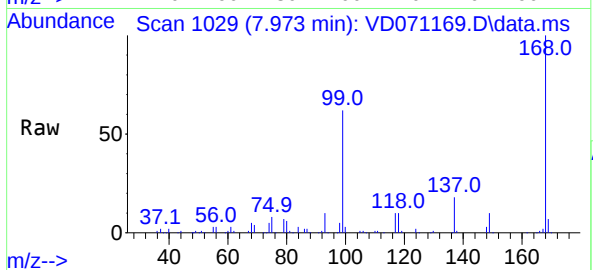




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

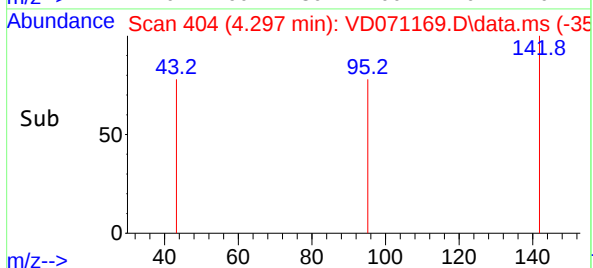
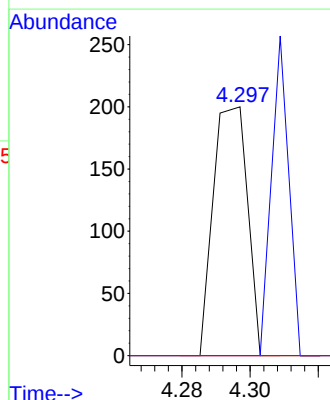
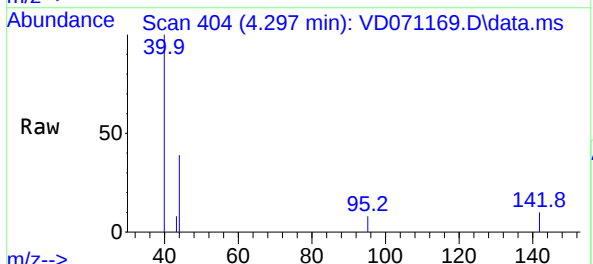
Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

Tgt Ion:168 Resp: 280290
Ion Ratio Lower Upper
168 100
99 61.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.599 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion:142 Resp: 139
Ion Ratio Lower Upper
142 100
127 65.5 35.0 52.4#
141 0.0 12.0 18.0#

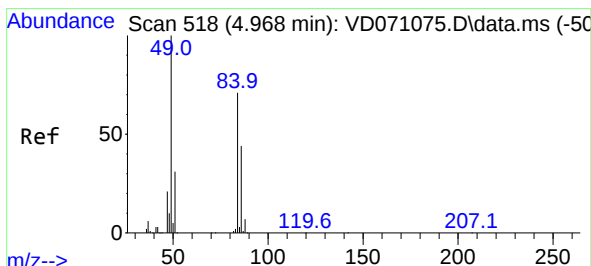
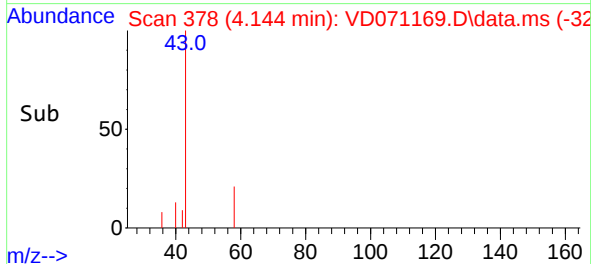
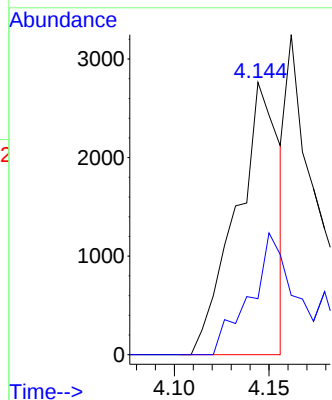
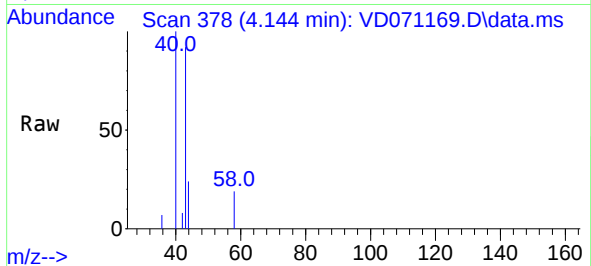




#16
Acetone
Concen: 35.165 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

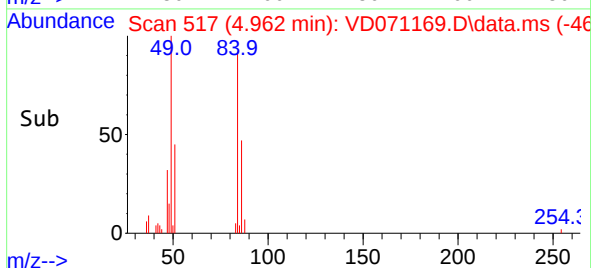
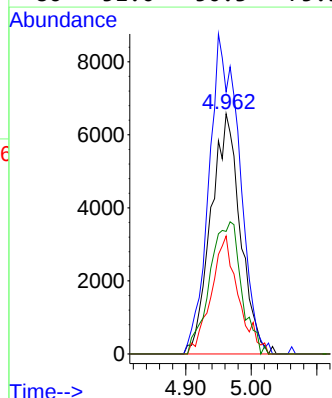
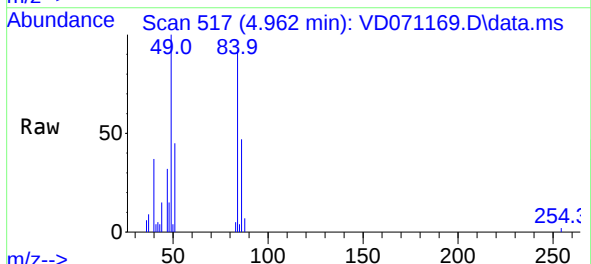
Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

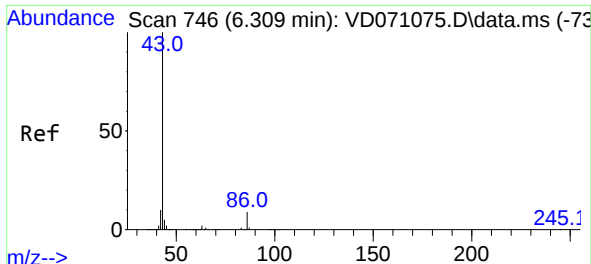
Tgt Ion: 43 Resp: 4351
Ion Ratio Lower Upper
43 100
58 20.6 27.8 41.8#



#20
Methylene Chloride
Concen: 2.171 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion: 84 Resp: 20465
Ion Ratio Lower Upper
84 100
49 109.2 95.8 143.6
51 49.1 30.9 46.3#
86 51.0 50.3 75.5

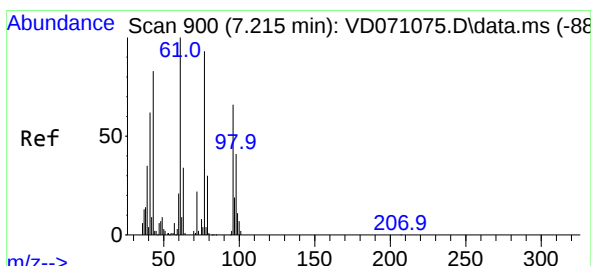
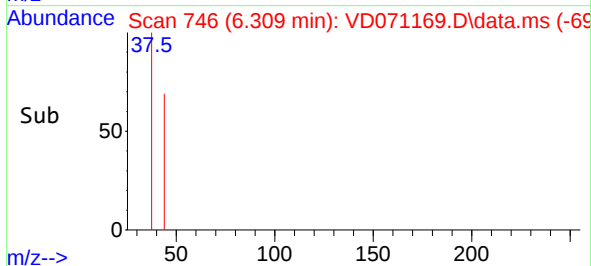
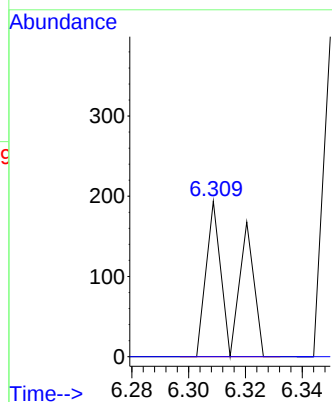
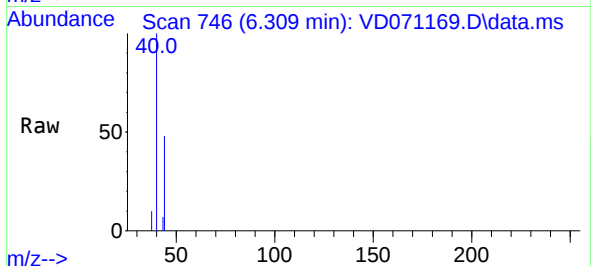




#23
 Vinyl Acetate
 Concen: 27.240 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. -0.000 min
 Lab File: VD071169.D
 Acq: 06 Dec 2021 15:56

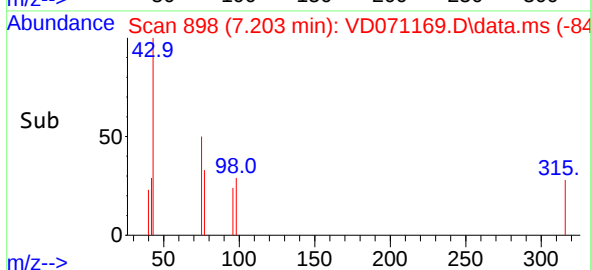
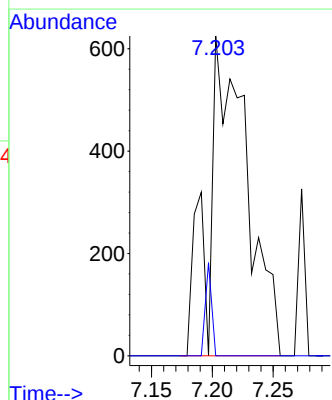
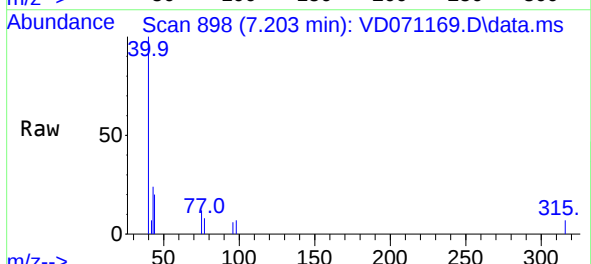
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(2.5-3)

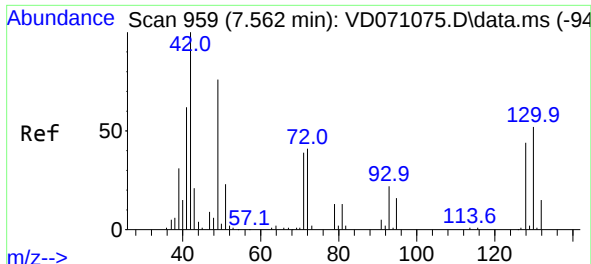
Tgt Ion: 43 Resp: 128
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.583 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD071169.D
 Acq: 06 Dec 2021 15:56

Tgt Ion: 43 Resp: 1393
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#

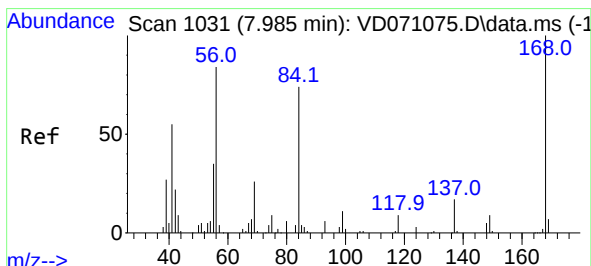
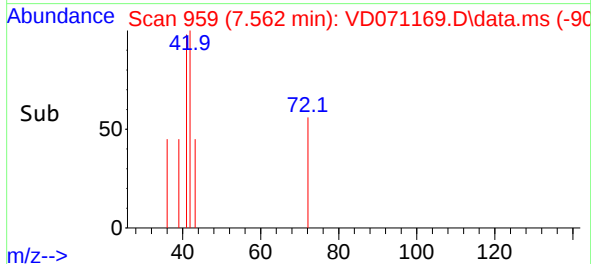
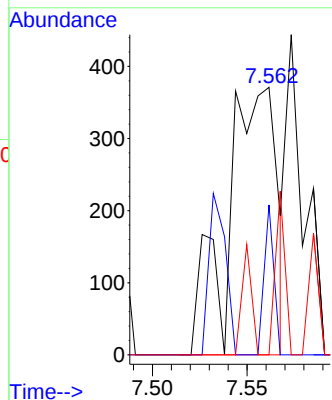
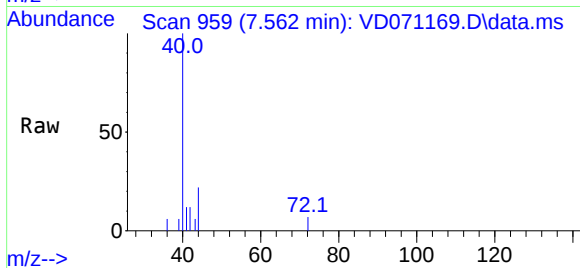




#29
Tetrahydrofuran
Concen: 1.300 ug/l
RT: 7.562 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

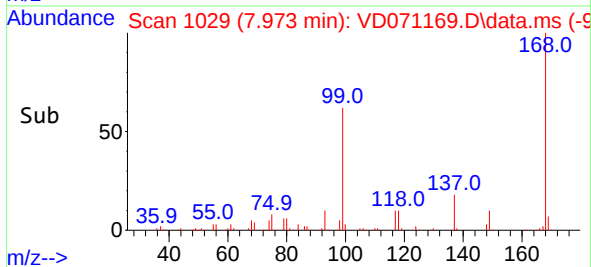
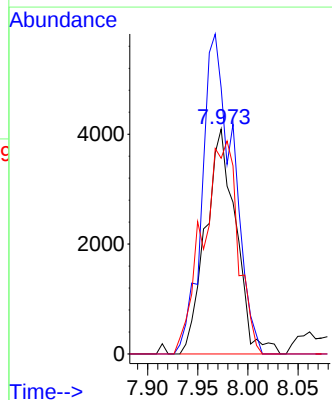
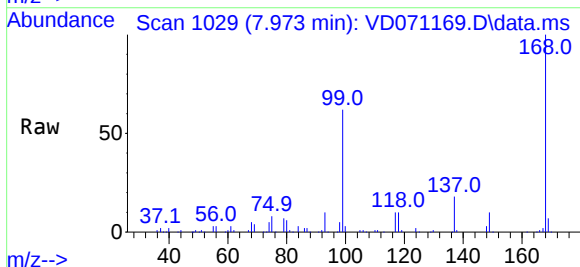
Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

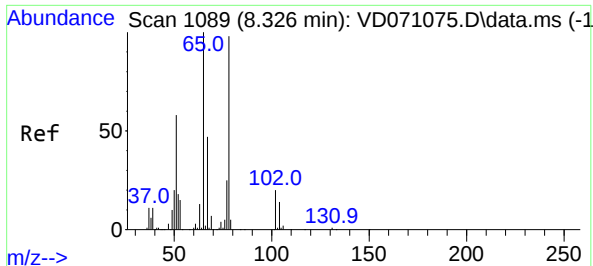
Tgt Ion: 42 Resp: 679
Ion Ratio Lower Upper
42 100
72 10.8 33.7 50.5#
71 11.8 32.7 49.1#



#31
Cyclohexane
Concen: 1.540 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion: 56 Resp: 8617
Ion Ratio Lower Upper
56 100
69 118.3 25.9 38.9#
84 87.0 64.3 96.5

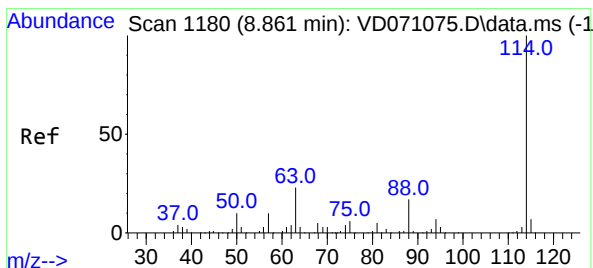
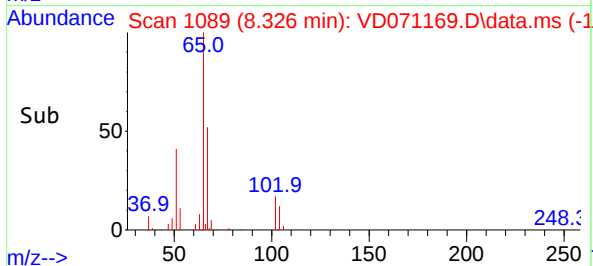
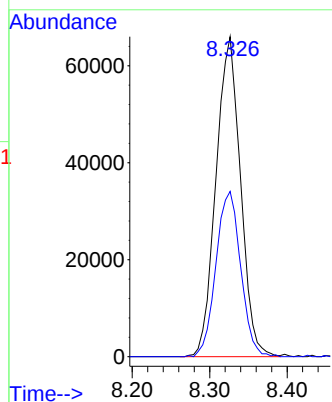
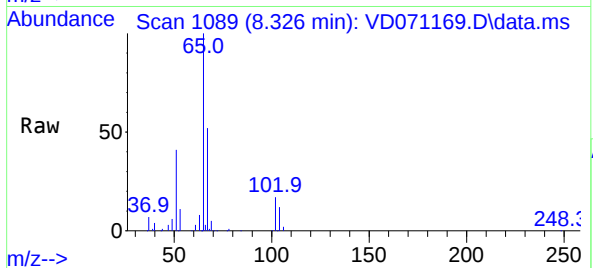




#33
1,2-Dichloroethane-d4
Concen: 44.228 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

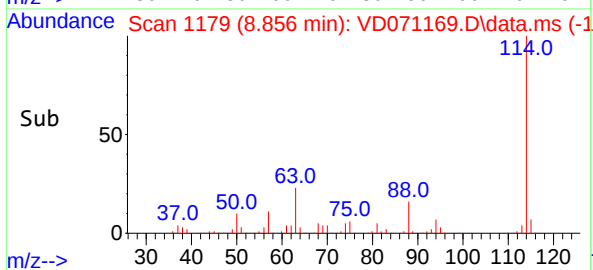
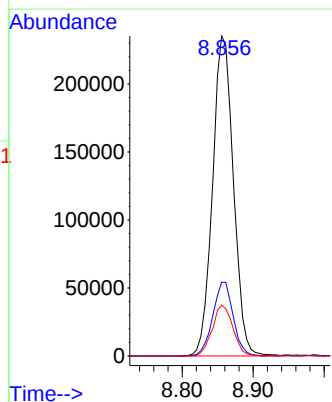
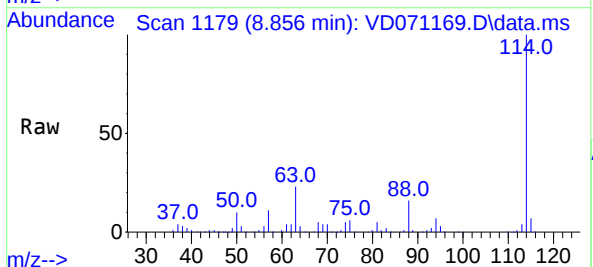
Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

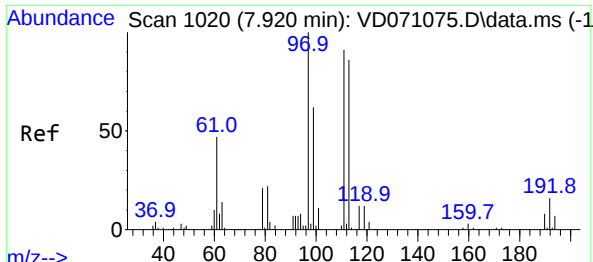
Tgt Ion: 65 Resp: 145461
Ion Ratio Lower Upper
65 100
67 52.0 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1179
Delta R.T. -0.005 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion: 114 Resp: 479420
Ion Ratio Lower Upper
114 100
63 23.1 0.0 41.8
88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.319 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071169.D

Acq: 06 Dec 2021 15:56

Instrument :

MSVOA_D

ClientSampleId :

SB-1(2.5-3)

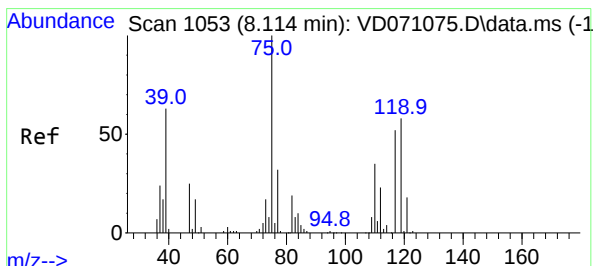
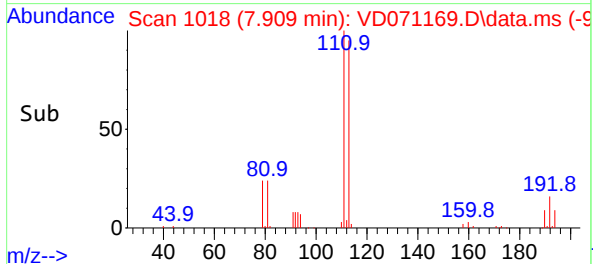
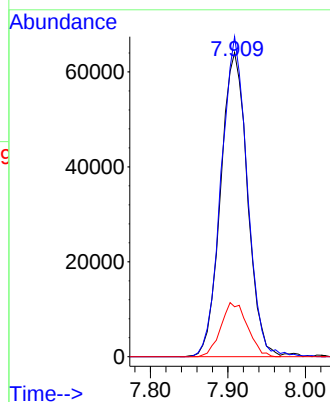
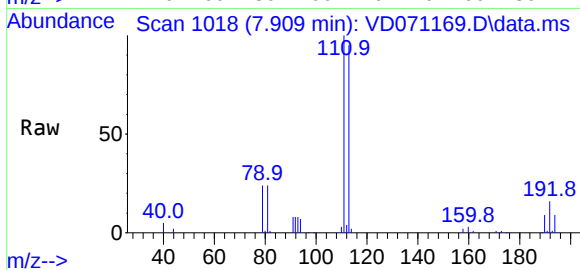
Tgt Ion:113 Resp: 153620

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 17.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.531 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.147 min

Lab File: VD071169.D

Acq: 06 Dec 2021 15:56

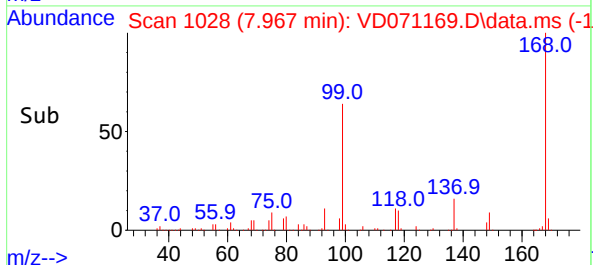
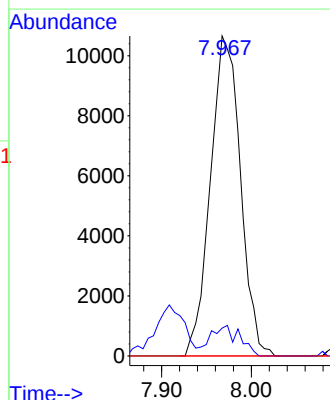
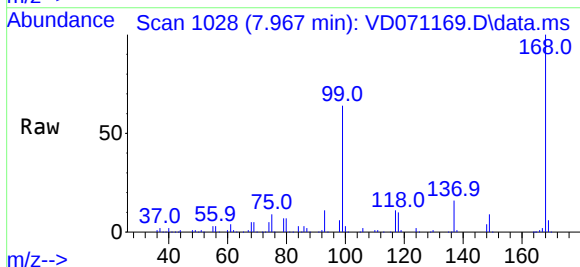
Tgt Ion: 75 Resp: 24784

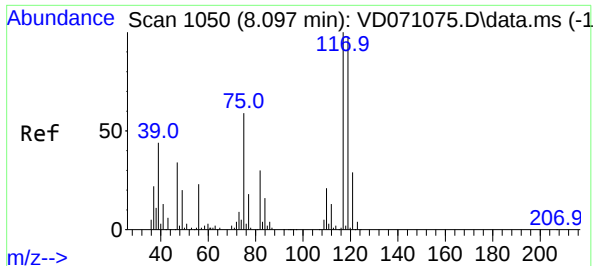
Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.4#

77 0.0 24.8 37.2#

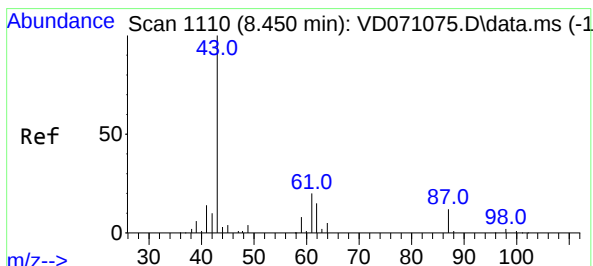
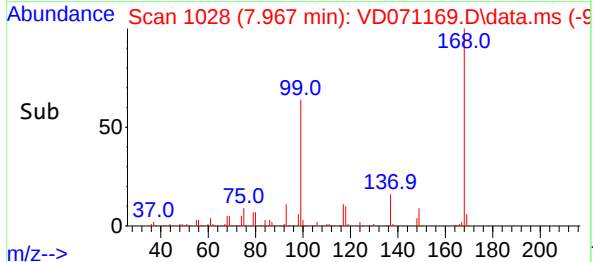
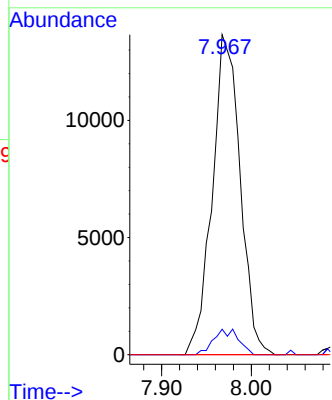
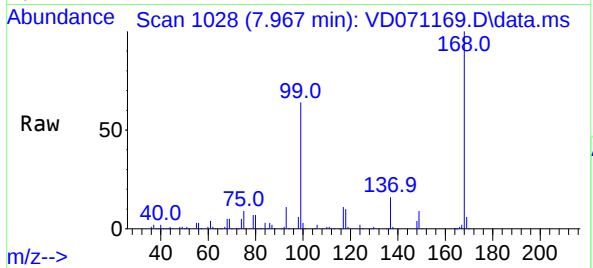




#38
Carbon Tetrachloride
Concen: 6.682 ug/l
RT: 7.967 min Scan# 1107
Delta R.T. -0.130 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

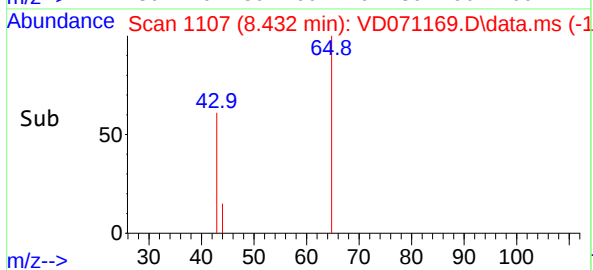
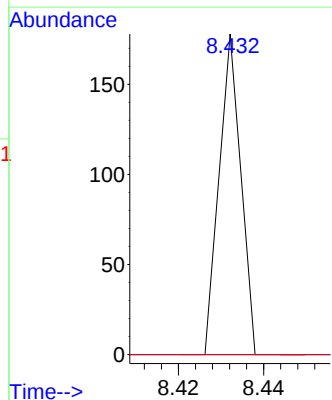
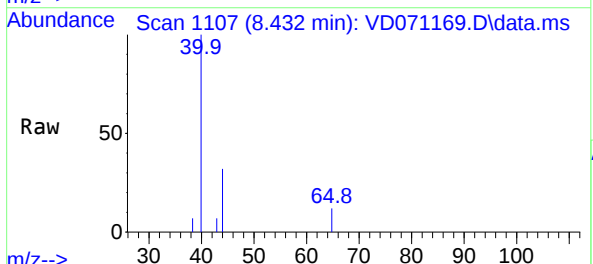
Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

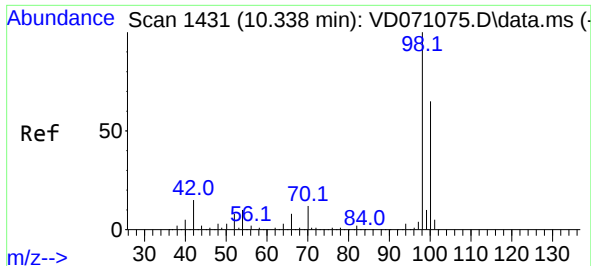
Tgt Ion:117 Resp: 29512
Ion Ratio Lower Upper
117 100
119 8.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.236 ug/l
RT: 8.432 min Scan# 1107
Delta R.T. -0.018 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

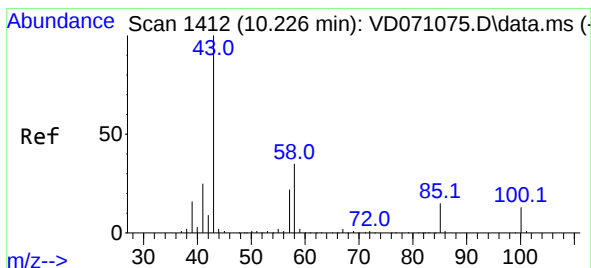
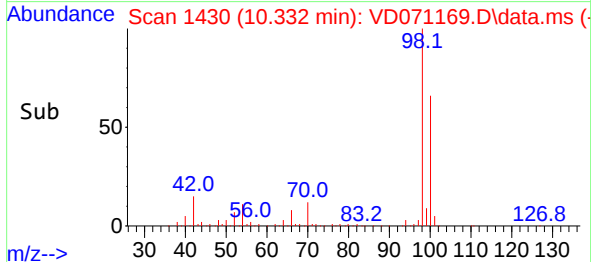
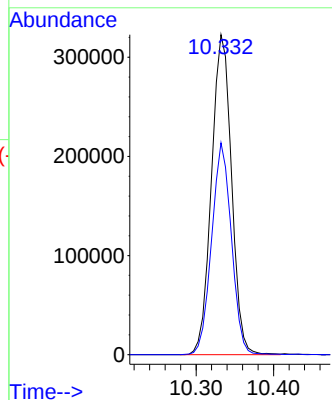
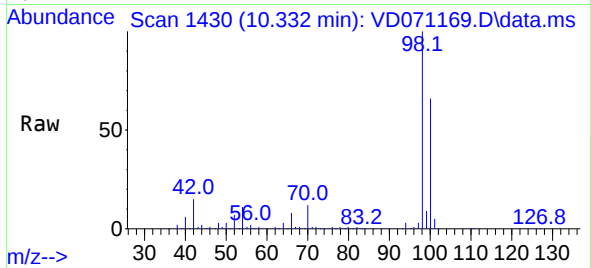




#50
Toluene-d8
Concen: 49.943 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

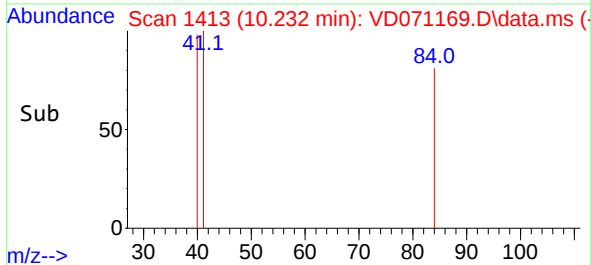
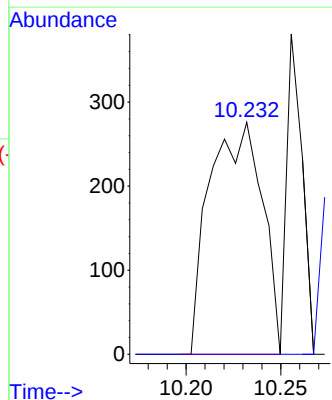
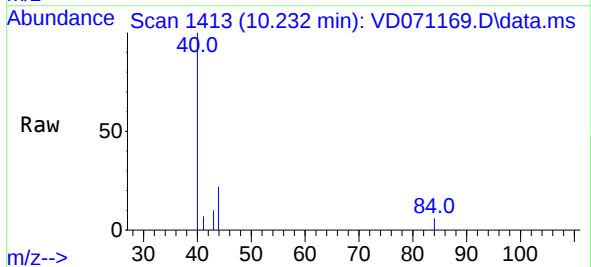
Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

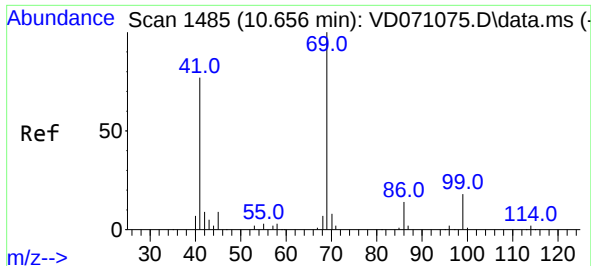
Tgt Ion: 98 Resp: 580226
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.866 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

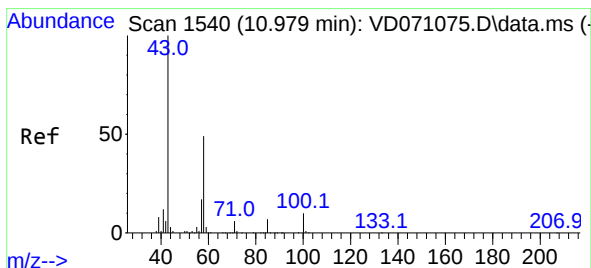
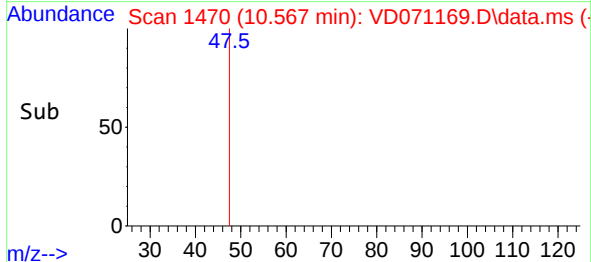
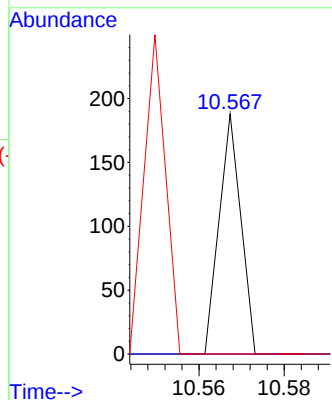
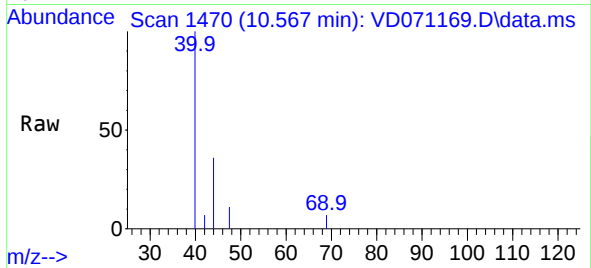




#56
Ethyl methacrylate
Concen: 5.989 ug/l
RT: 10.567 min Scan# 14
Delta R.T. -0.089 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

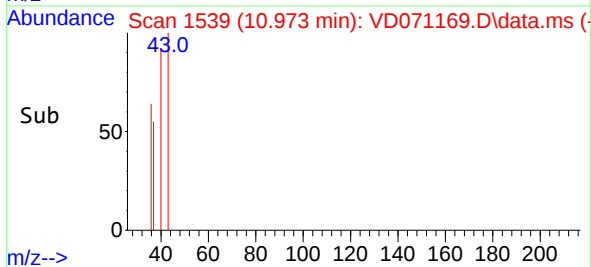
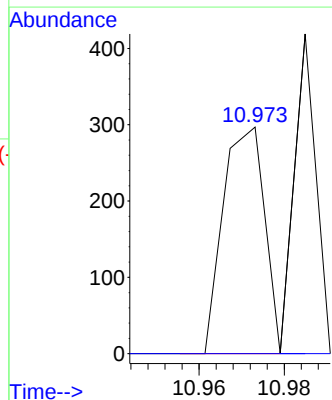
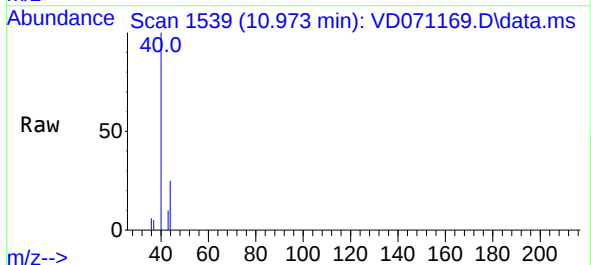
Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

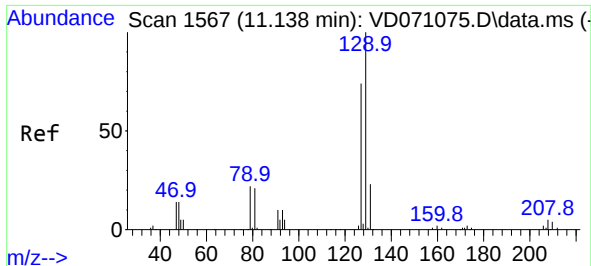
Tgt Ion: 69 Resp: 66
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 133.3 19.8 29.8#



#59
2-Hexanone
Concen: 34.679 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

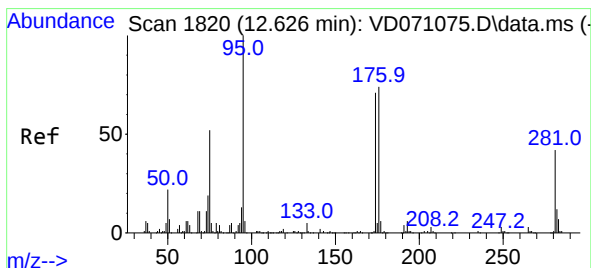
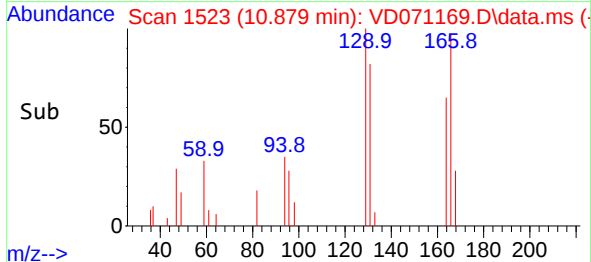
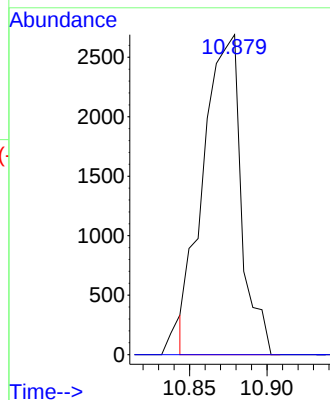
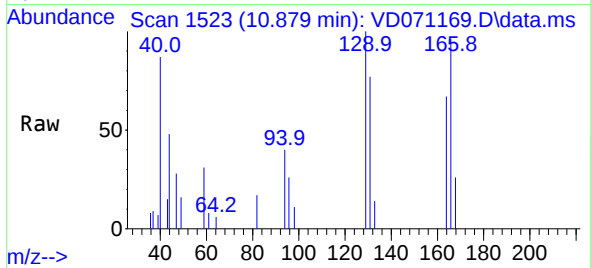




#60
Dibromochloromethane
Concen: 1.700 ug/l
RT: 10.879 min Scan# 11
Delta R.T. -0.259 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

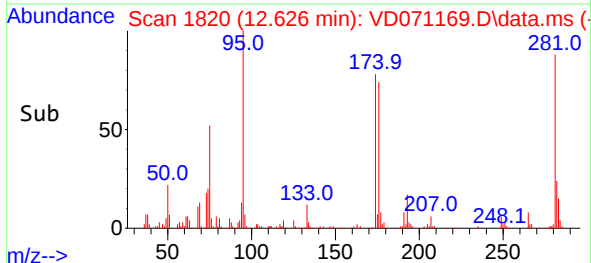
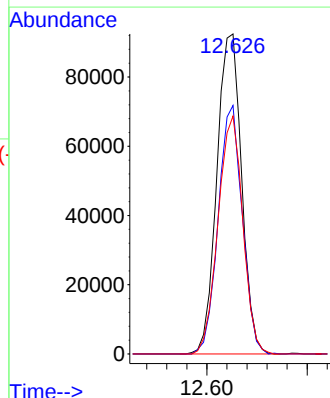
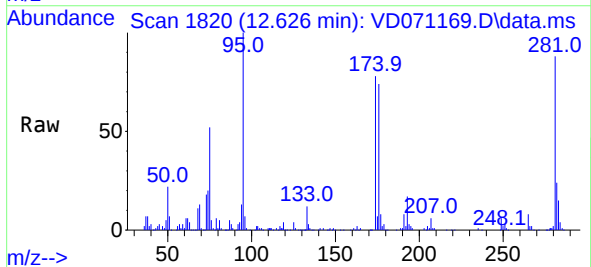
Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

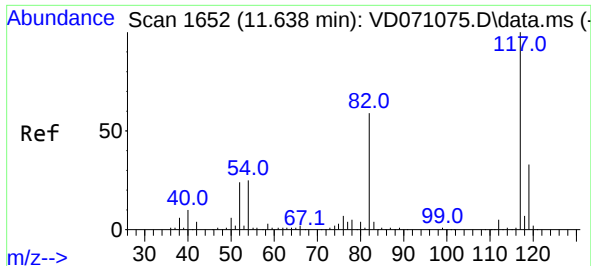
Tgt Ion:129 Resp: 4604
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 39.227 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion: 95 Resp: 157973
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 74.3 0.0 154.0

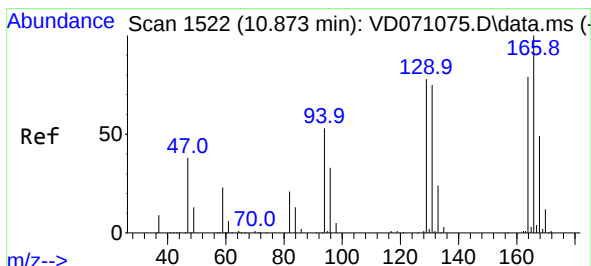
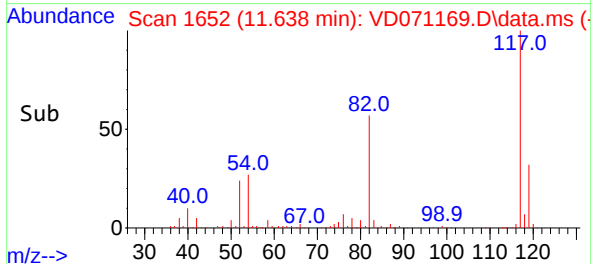
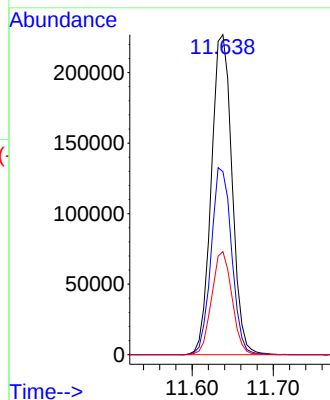
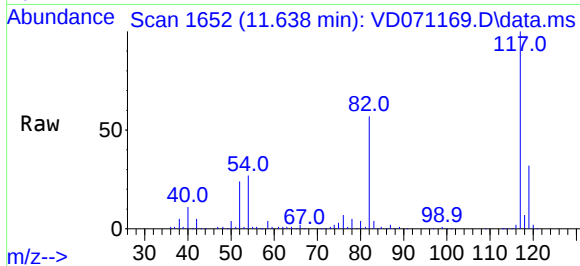




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

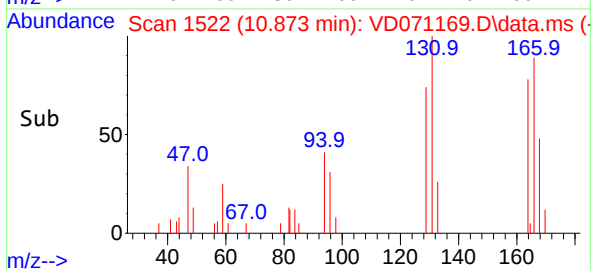
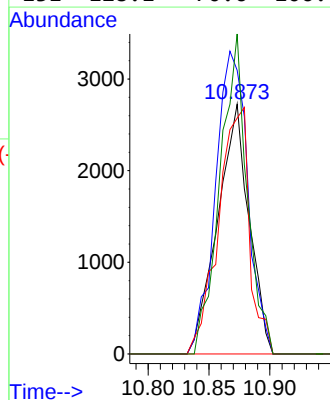
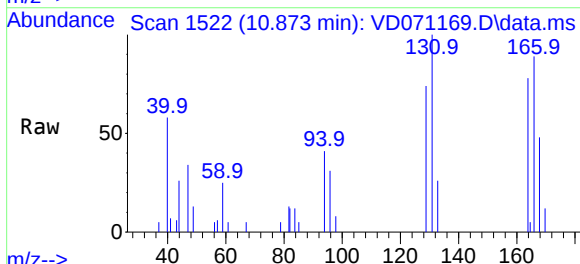
Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

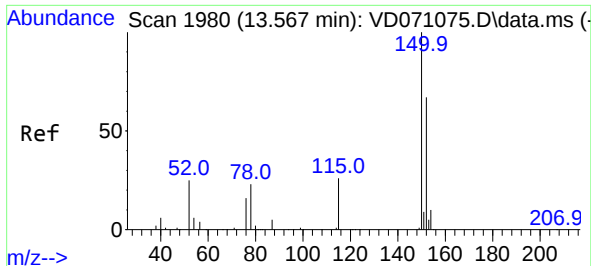
Tgt Ion:117 Resp: 402103
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 32.2 26.2 39.4



#64
Tetrachloroethene
Concen: 1.922 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion:164 Resp: 4907
Ion Ratio Lower Upper
164 100
166 113.6 102.6 153.8
129 94.4 75.4 113.0
131 128.1 70.6 106.0#

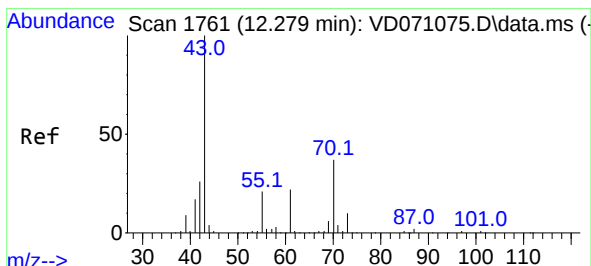
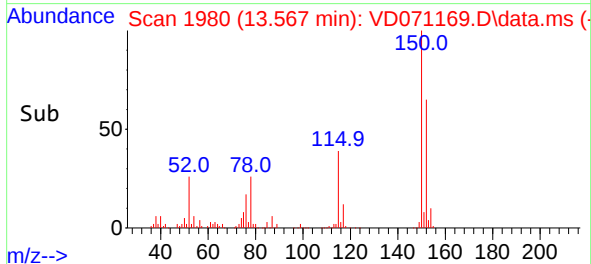
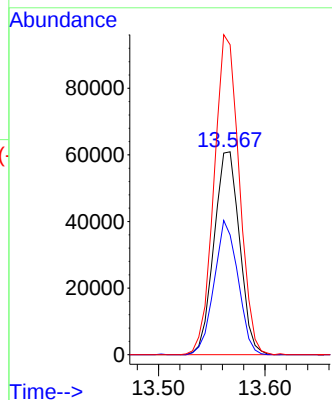
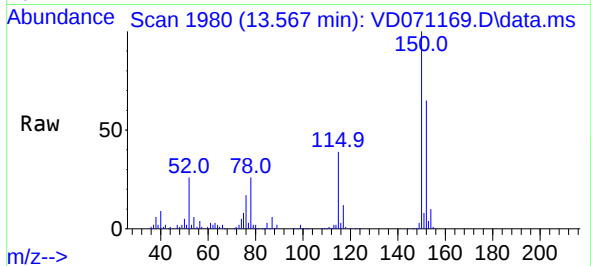




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

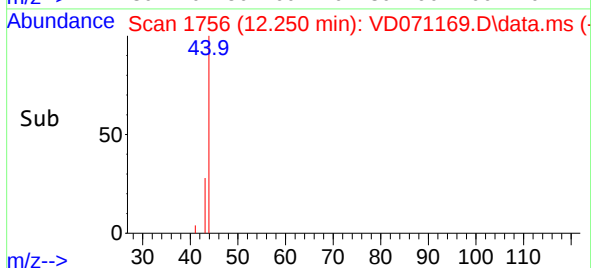
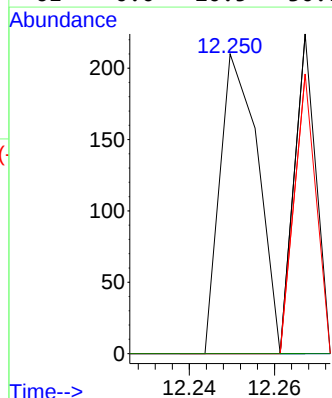
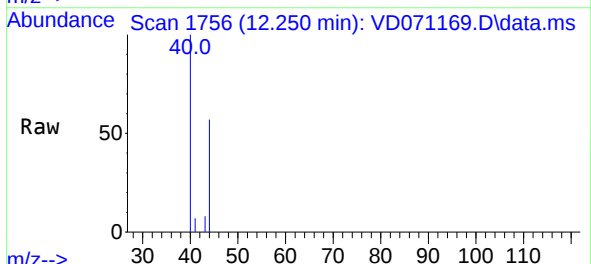
Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

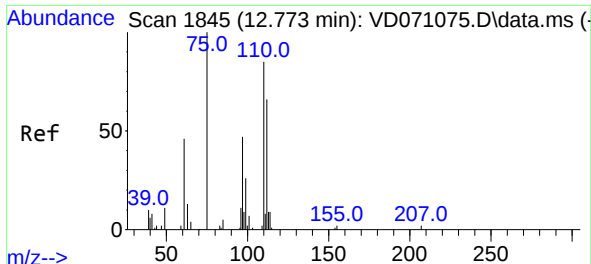
Tgt Ion:152 Resp: 101749
Ion Ratio Lower Upper
152 100
115 61.6 29.8 89.3
150 155.1 0.0 349.2



#74
N-ethyl acetate
Concen: 5.758 ug/l
RT: 12.250 min Scan# 1756
Delta R.T. -0.029 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 53.1 22.5 33.7#
61 0.0 20.5 30.7#

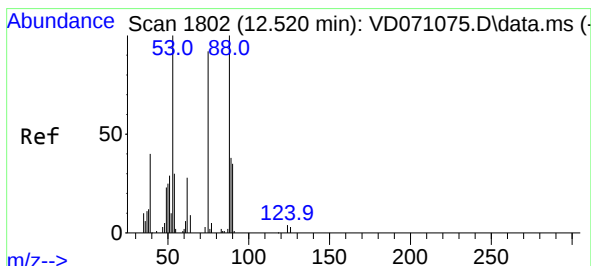
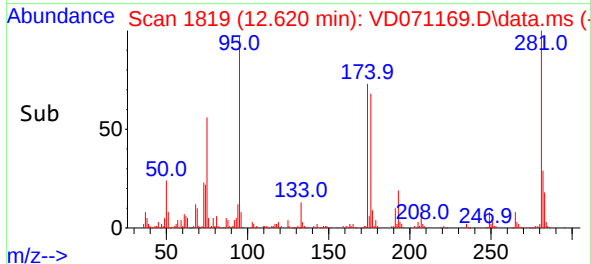
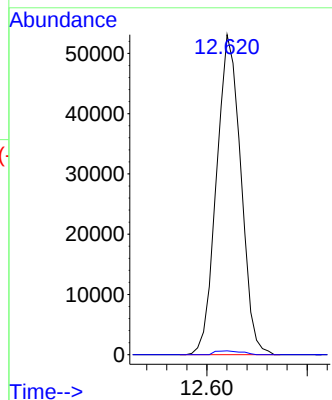
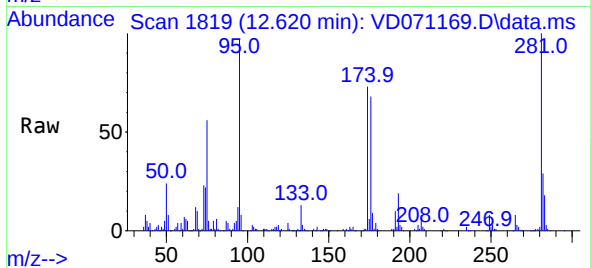




#76
1,2,3-Trichloropropane
Concen: 92.124 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :
SB-1(2.5-3)

Tgt Ion: 75 Resp: 89307
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 196.365 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071169.D
Acq: 06 Dec 2021 15:56

Tgt Ion: 75 Resp: 89307
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 1.5 34.5 51.7#

