

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071250.D
 Acq On : 10 Dec 2021 14:31
 Operator : VA/SY
 Sample : M4967-10RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-11SRE

Quant Time: Dec 11 04:59:47 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)

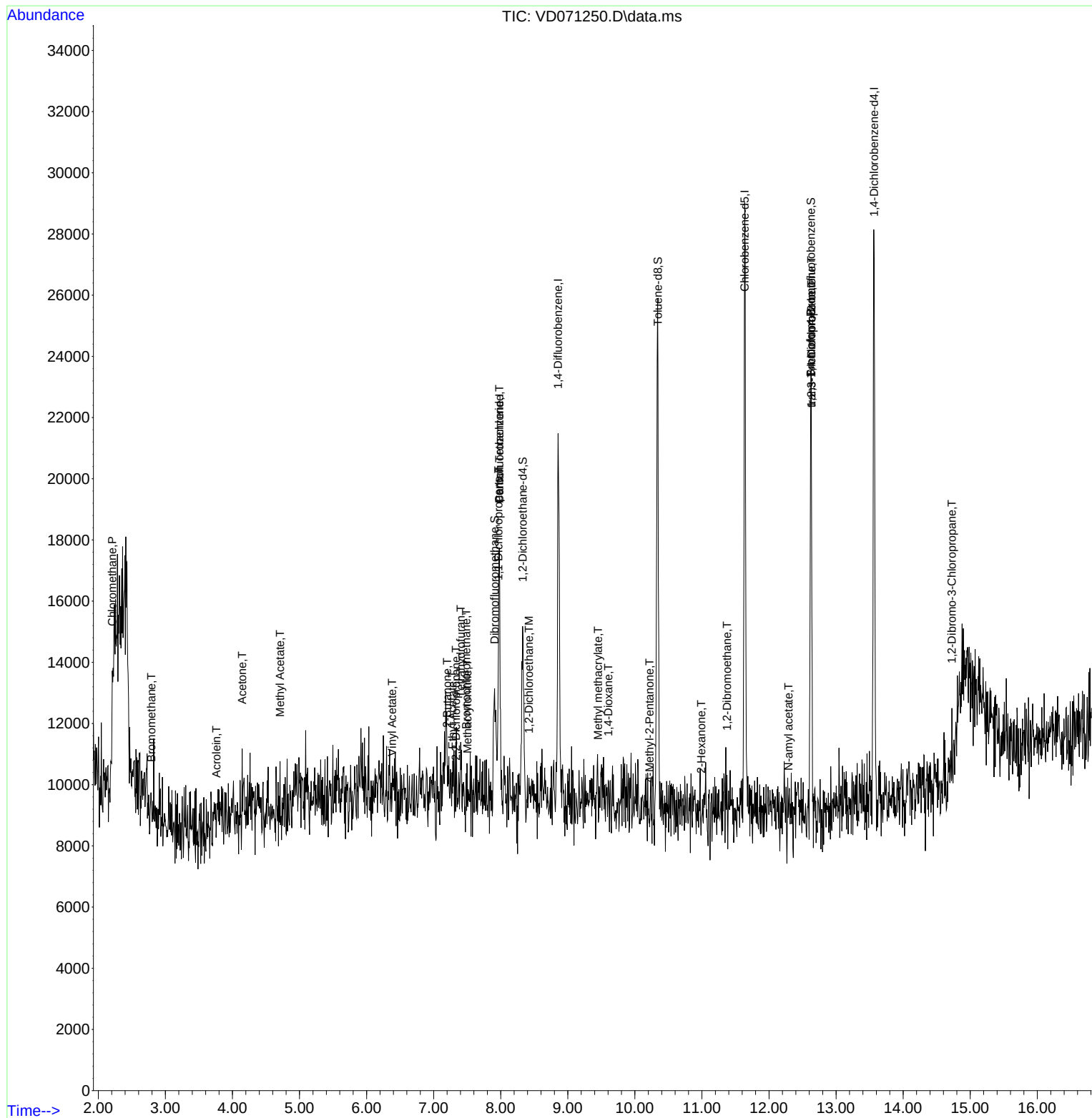
Internal Standards						
1) Pentafluorobenzene	7.979	168	5581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	9645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	10316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	5365	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	4341	66.29	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	132.58%		
35) Dibromofluoromethane	7.909	113	2504	40.77	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.54%		
50) Toluene-d8	10.344	98	9810	41.97	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	83.94%		
62) 4-Bromofluorobenzene	12.626	95	4749	58.62	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	117.24%		
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	412	6.54	ug/l #	42
5) Bromomethane	2.791	94	203	4.01	ug/l #	3
13) Acrolein	3.762	56	54	12.07	ug/l #	13
16) Acetone	4.144	43	167	39.22	ug/l #	40
18) Methyl Acetate	4.709	43	54	1.12	ug/l #	51
23) Vinyl Acetate	6.379	43	54	27.67	ug/l #	72
25) 2-Butanone	7.203	43	54	30.74	ug/l #	45
26) 2,2-Dichloropropane	7.332	77	121	1.17	ug/l #	52
28) Bromochloromethane	7.485	49	61	1.24	ug/l #	81
29) Tetrahydrofuran	7.403	42	56	5.39	ug/l #	34
36) 1,1-Dichloropropene	7.967	75	487	5.40	ug/l #	41
37) Ethyl Acetate	7.279	43	54	1.39	ug/l #	66
38) Carbon Tetrachloride	7.979	117	601	6.76	ug/l #	12
41) Methacrylonitrile	7.503	41	182	6.13	ug/l #	33
42) 1,2-Dichloroethane	8.420	62	132	1.77	ug/l #	71
48) Methyl methacrylate	9.450	41	87	2.28	ug/l #	15
49) 1,4-Dioxane	9.603	88	59	182.95	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	55	31.75	ug/l #	34
59) 2-Hexanone	10.991	43	58	36.08	ug/l #	22
61) 1,2-Dibromoethane	11.373	107	74	1.76	ug/l #	3
71) Bromoform	12.620	173	56	1.55	ug/l #	1
74) N-amyl acetate	12.291	43	60	6.20	ug/l #	40
76) 1,2,3-Trichloropropane	12.632	75	2152	42.10	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.632	75	2152	92.87	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.726	75	64	6.14	ug/l #	4

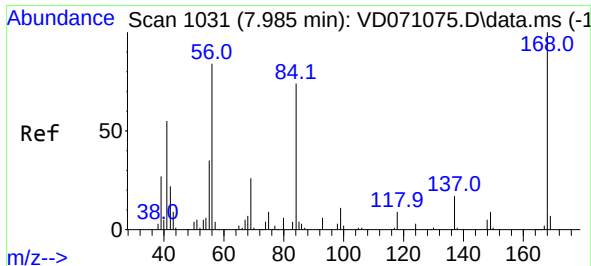
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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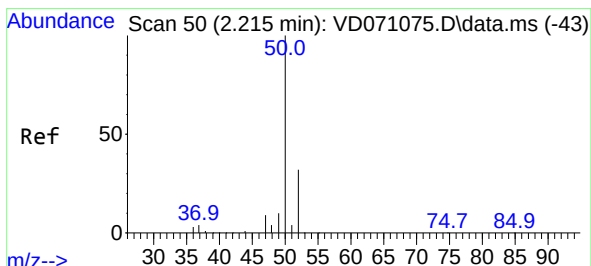
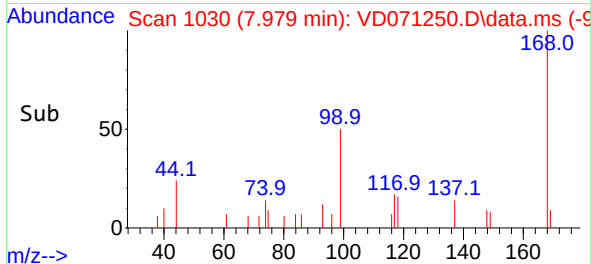
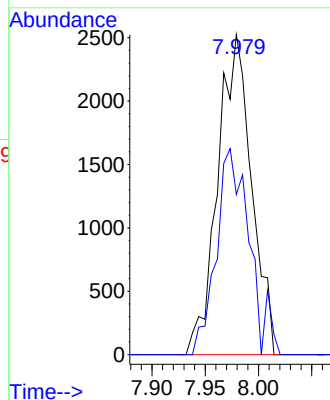
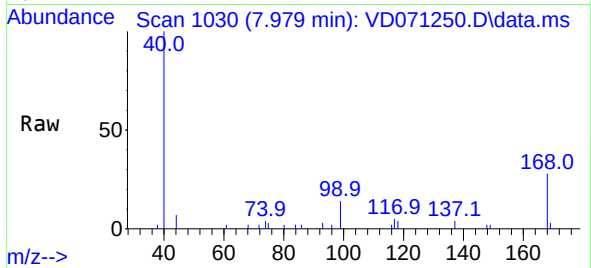




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

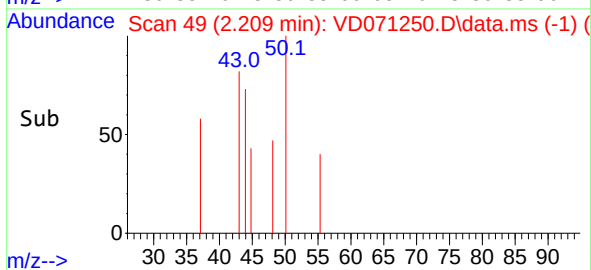
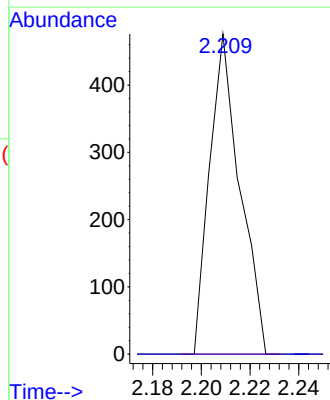
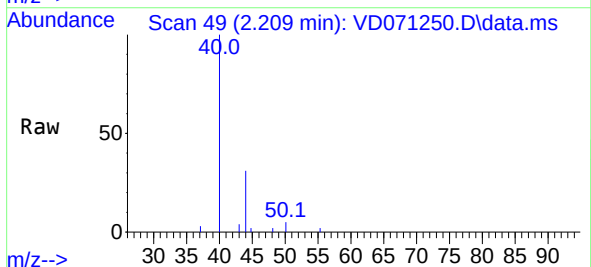
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

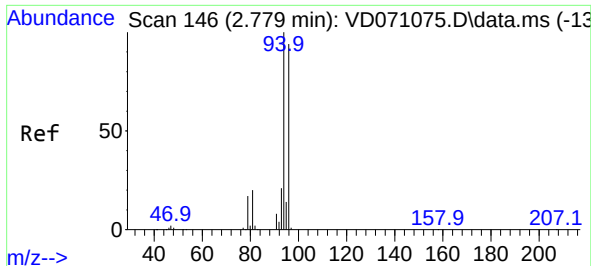
Tgt Ion:168 Resp: 5581
Ion Ratio Lower Upper
168 100
99 50.1 46.6 69.8



#3
Chloromethane
Concen: 6.54 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion: 50 Resp: 412
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

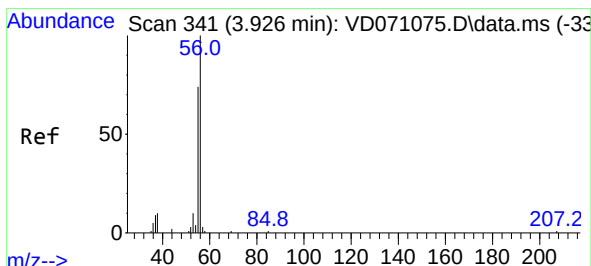
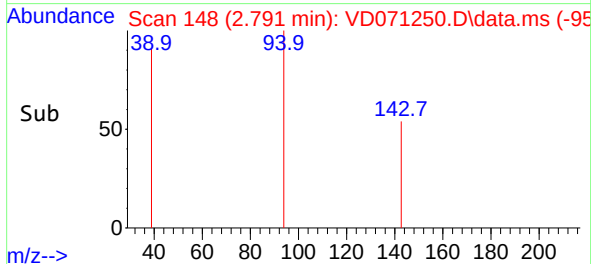
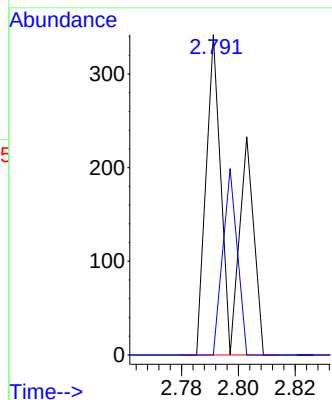
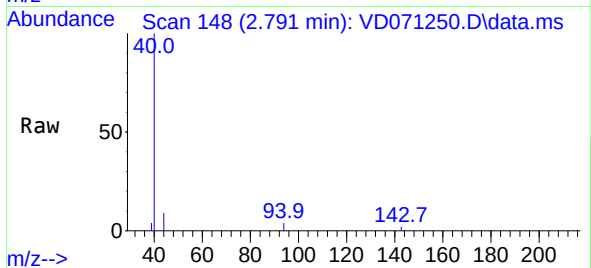




#5
Bromomethane
Concen: 4.01 ug/l
RT: 2.791 min Scan# 14
Delta R.T. 0.012 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

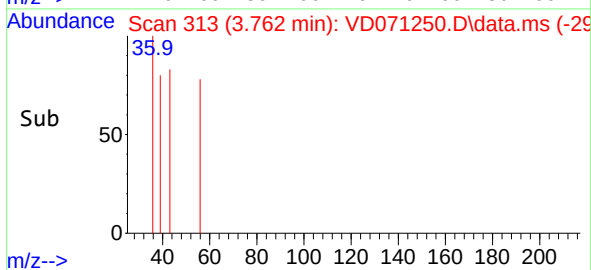
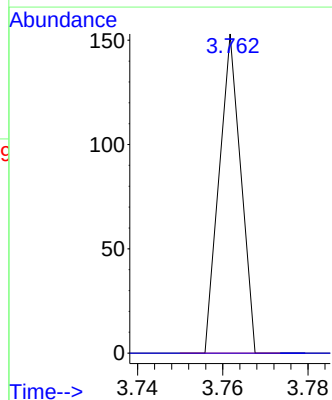
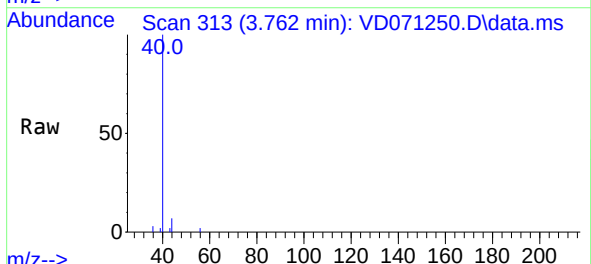
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

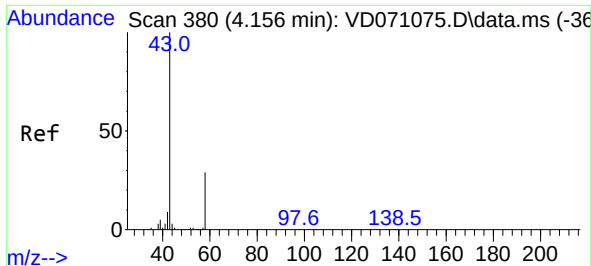
Tgt Ion: 94 Resp: 203
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#13
Acrolein
Concen: 12.07 ug/l
RT: 3.762 min Scan# 313
Delta R.T. -0.164 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

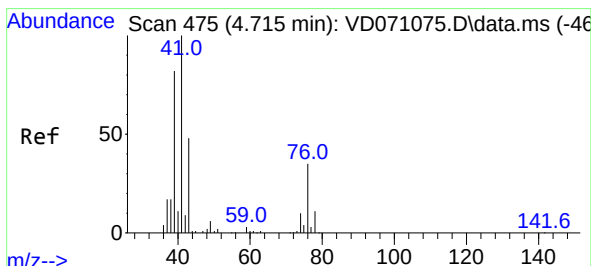
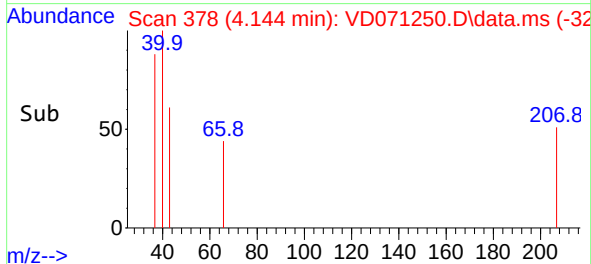
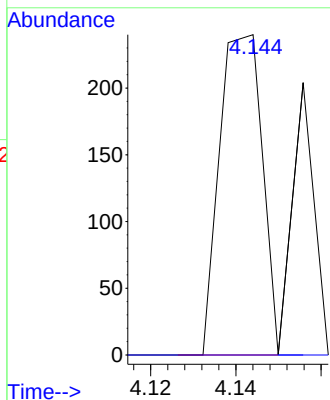
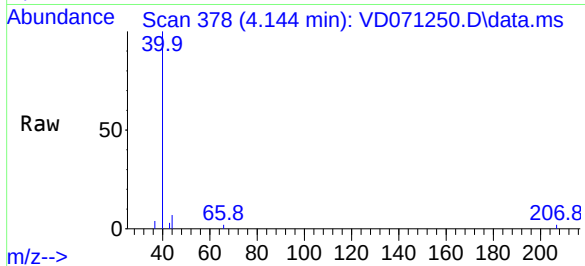




#16
Acetone
Concen: 39.22 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

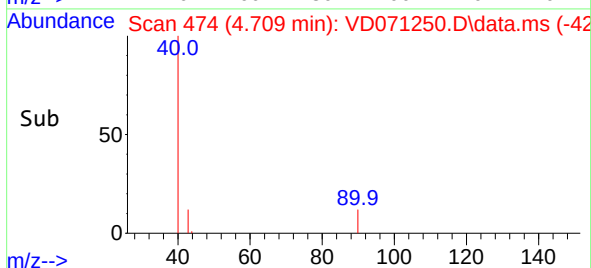
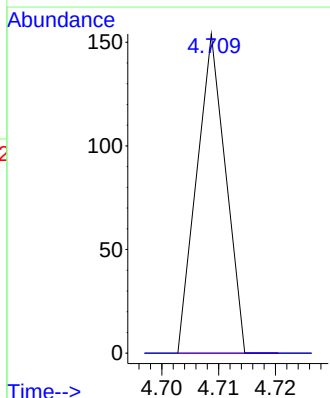
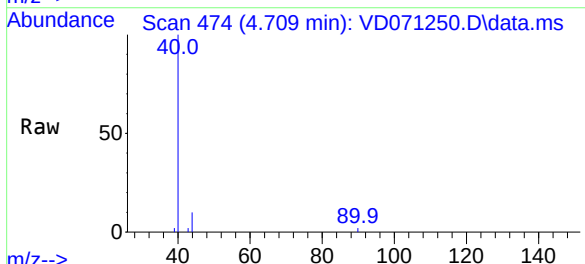
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

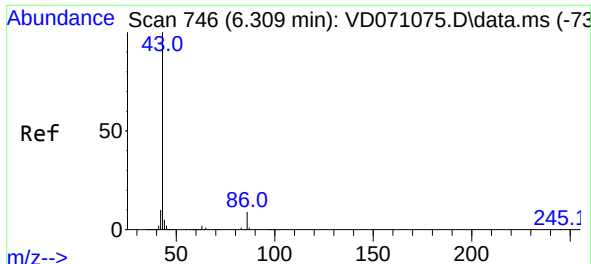
Tgt Ion: 43 Resp: 167
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 1.12 ug/l
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

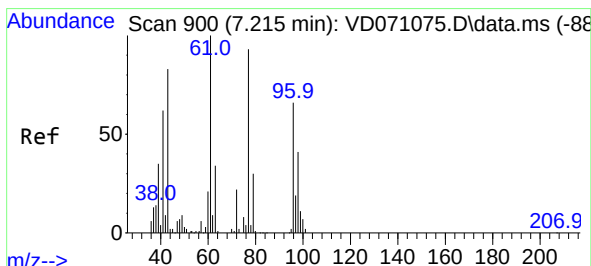
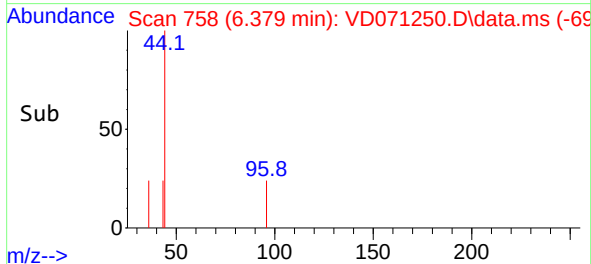
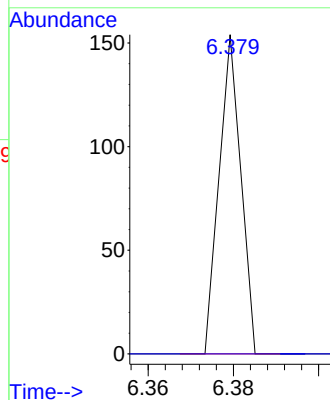
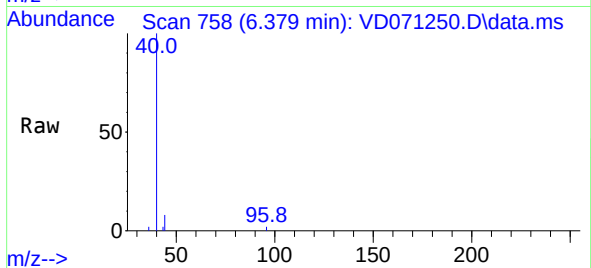




#23
 Vinyl Acetate
 Concen: 27.67 ug/l
 RT: 6.379 min Scan# 71
 Delta R.T. 0.070 min
 Lab File: VD071250.D
 Acq: 10 Dec 2021 14:31

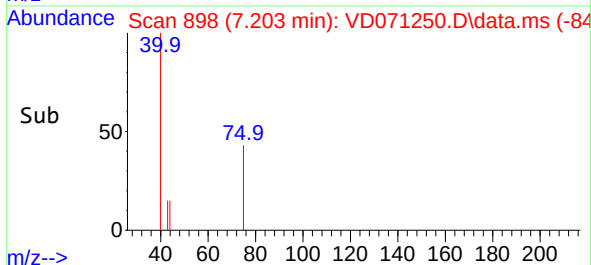
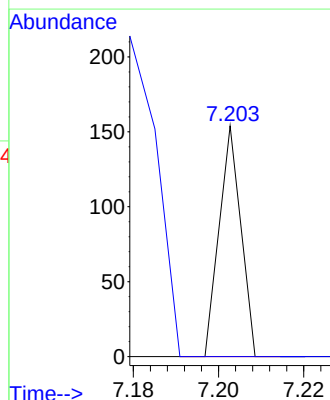
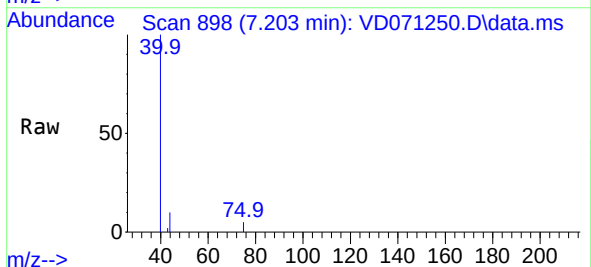
Instrument :
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 ClientSampleId :
 TP-11SRE

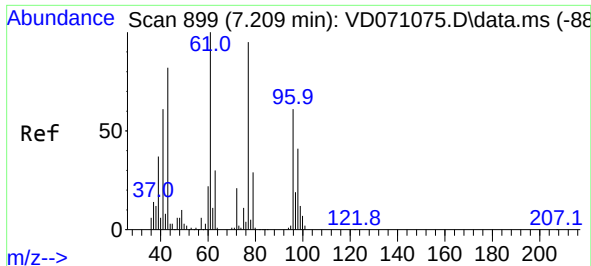
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 30.74 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD071250.D
 Acq: 10 Dec 2021 14:31

Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#26

2,2-Dichloropropane

Concen: 1.17 ug/l

RT: 7.332 min Scan# 91

Delta R.T. 0.123 min

Lab File: VD071250.D

Acq: 10 Dec 2021 14:31

Instrument :

MSVOA_D

ClientSampleId :

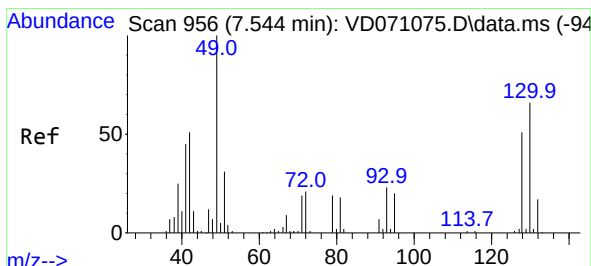
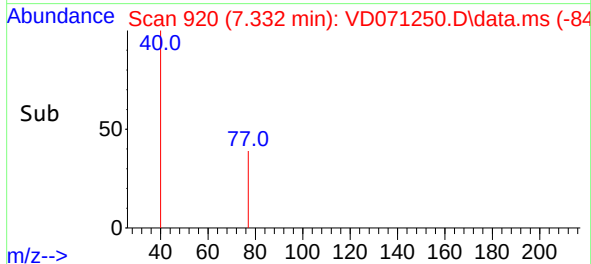
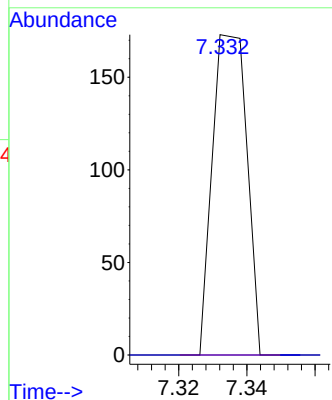
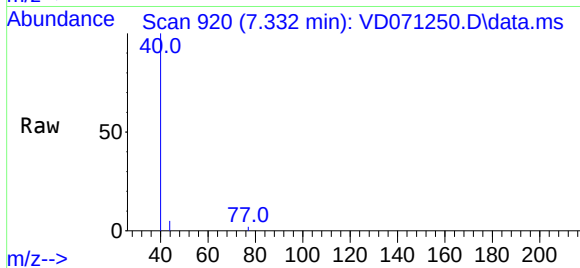
TP-11SRE

Tgt Ion: 77 Resp: 121

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.5#



#28

Bromochloromethane

Concen: 1.24 ug/l

RT: 7.485 min Scan# 946

Delta R.T. -0.059 min

Lab File: VD071250.D

Acq: 10 Dec 2021 14:31

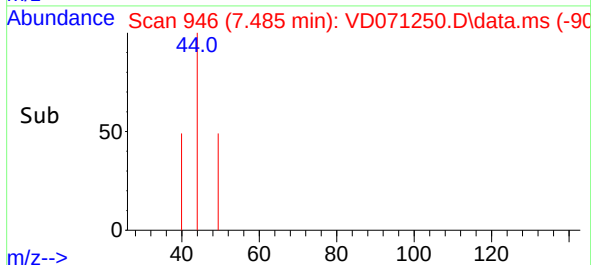
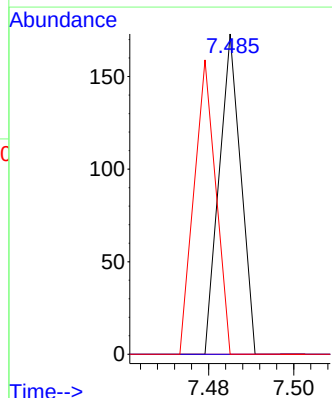
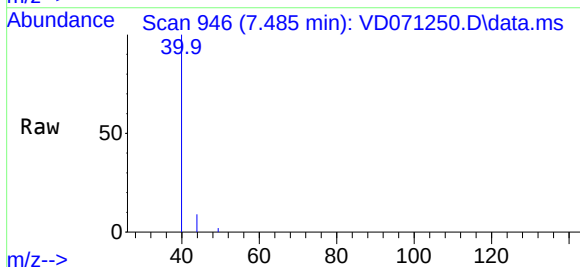
Tgt Ion: 49 Resp: 61

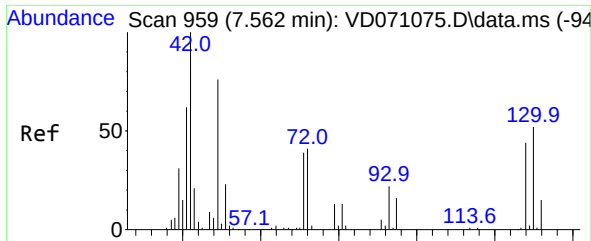
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 91.8 60.2 90.2#

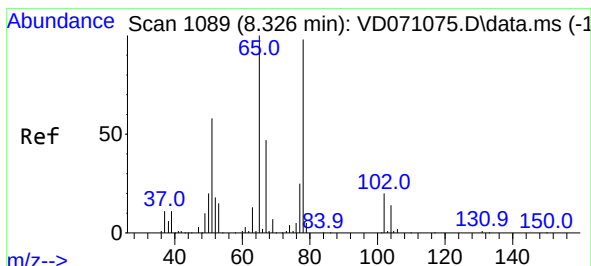
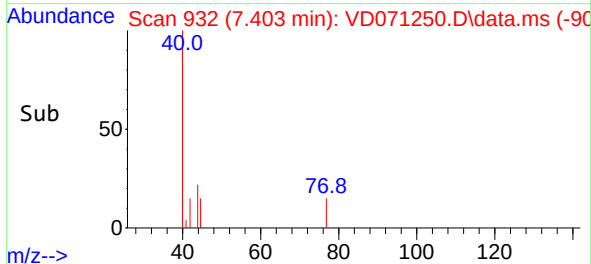
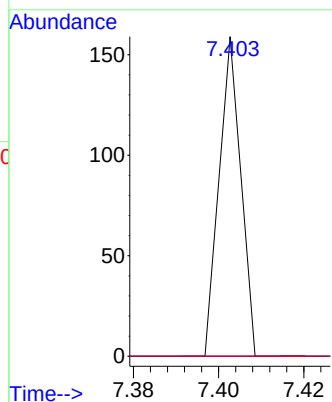
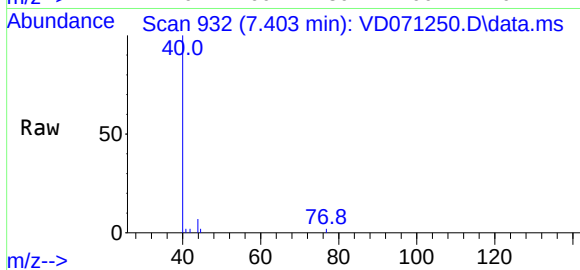




#29
Tetrahydrofuran
Concen: 5.39 ug/l
RT: 7.403 min Scan# 91
Delta R.T. -0.159 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

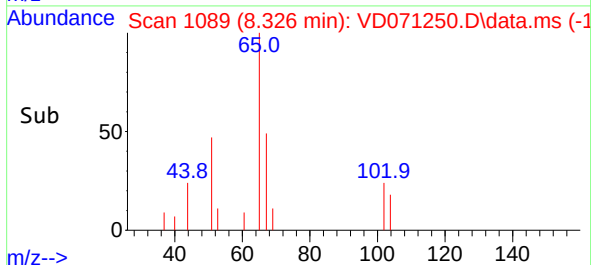
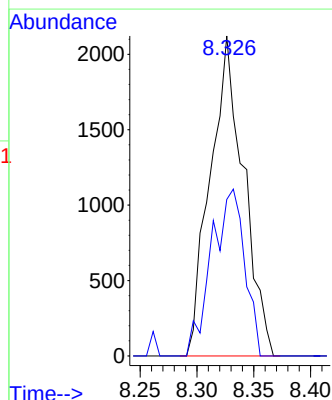
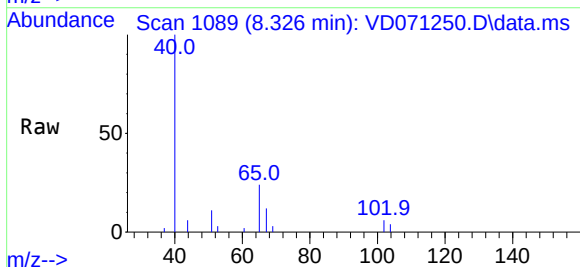
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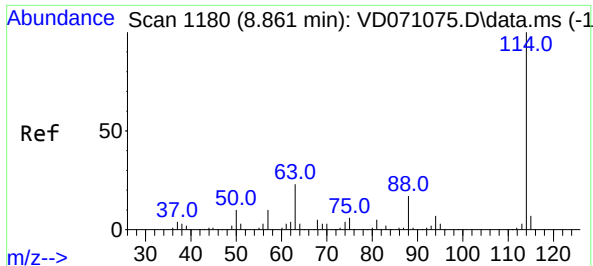
Tgt Ion: 42 Resp: 56
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



#33
1,2-Dichloroethane-d4
Concen: 66.29 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion: 65 Resp: 4341
Ion Ratio Lower Upper
65 100
67 51.6 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.856 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD071250.D

Acq: 10 Dec 2021 14:31

Instrument :

MSVOA_D

ClientSampleId :

TP-11SRE

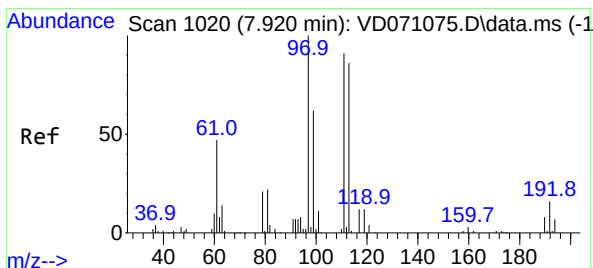
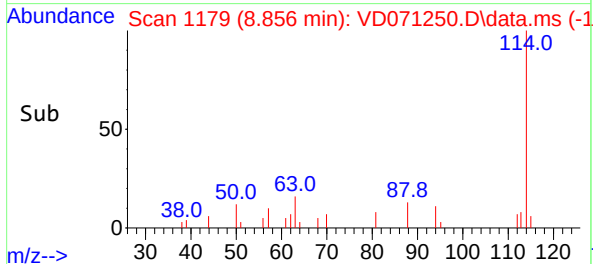
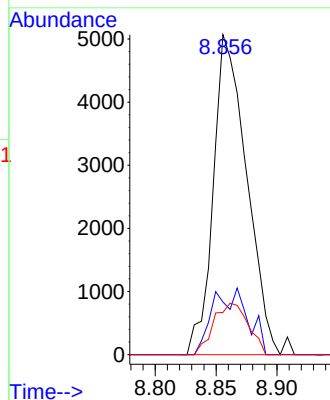
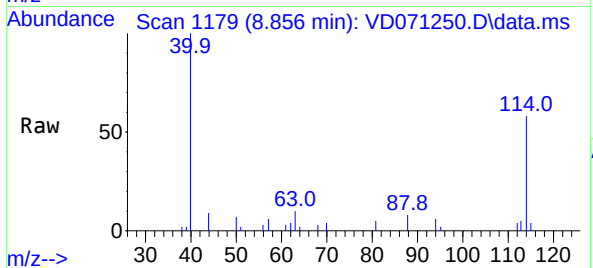
Tgt Ion:114 Resp: 9645

Ion Ratio Lower Upper

114 100

63 16.5 0.0 41.8

88 13.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 40.77 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071250.D

Acq: 10 Dec 2021 14:31

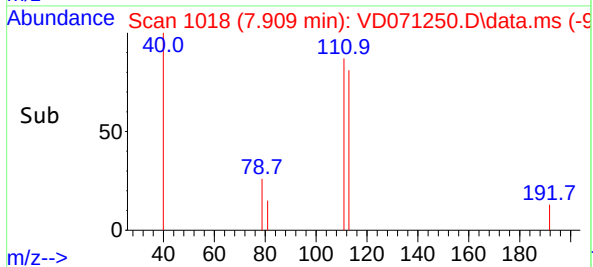
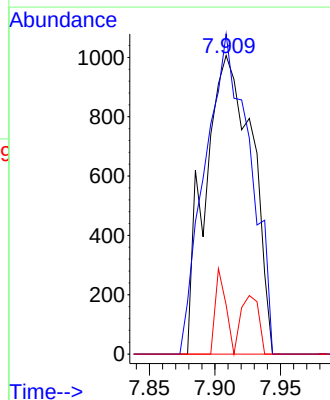
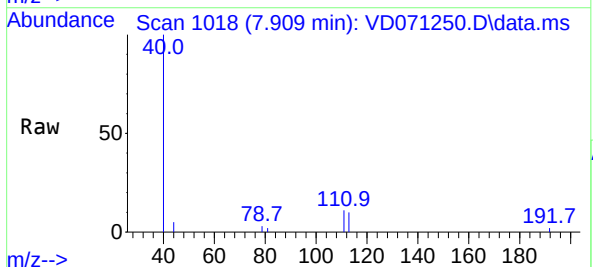
Tgt Ion:113 Resp: 2504

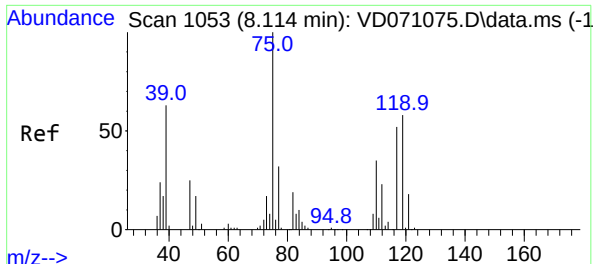
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 6.4 15.2 22.8#

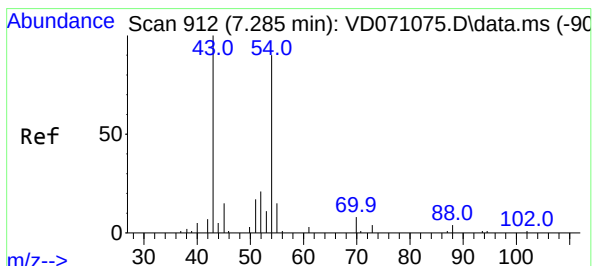
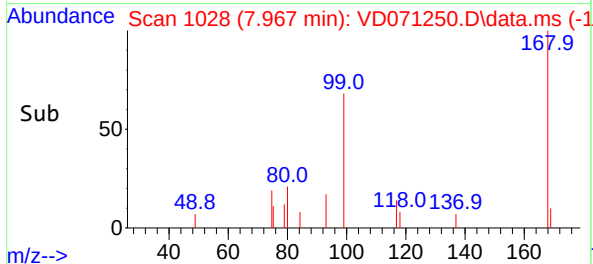
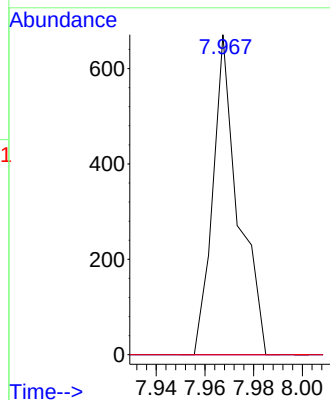
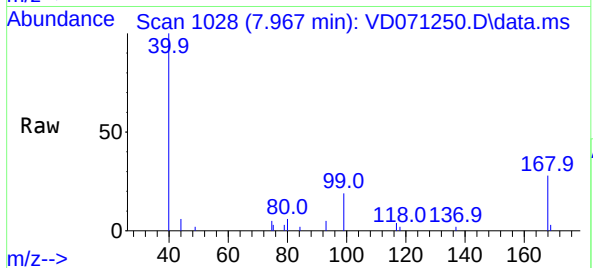




#36
1,1-Dichloropropene
Concen: 5.40 ug/l
RT: 7.967 min Scan# 1053
Delta R.T. -0.147 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

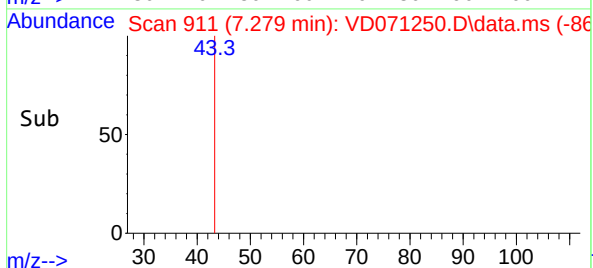
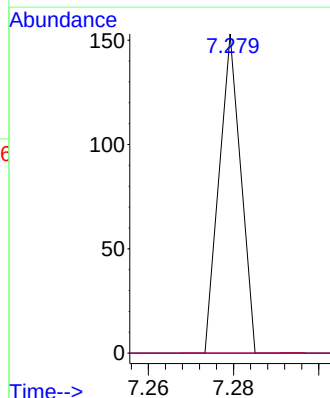
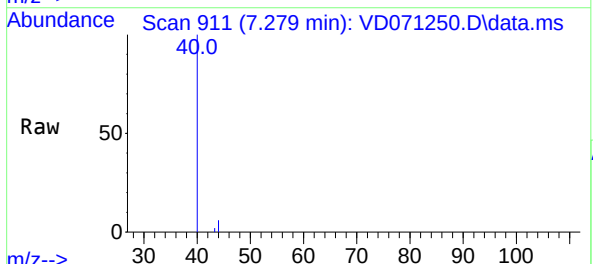
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

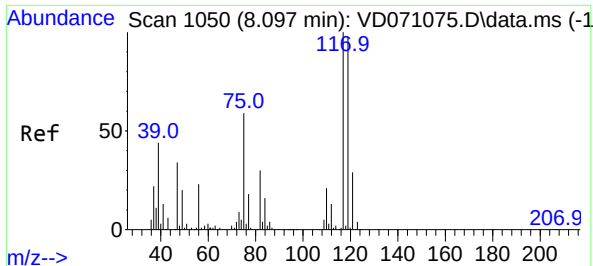
Tgt Ion: 75 Resp: 487
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.39 ug/l
RT: 7.279 min Scan# 911
Delta R.T. -0.006 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 8.7 13.1#

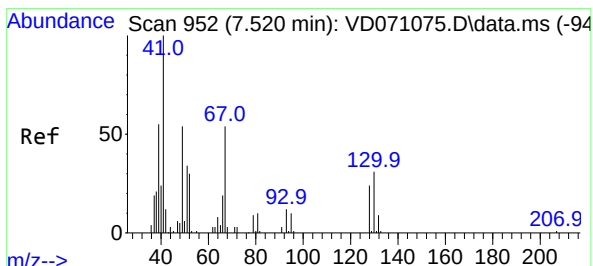
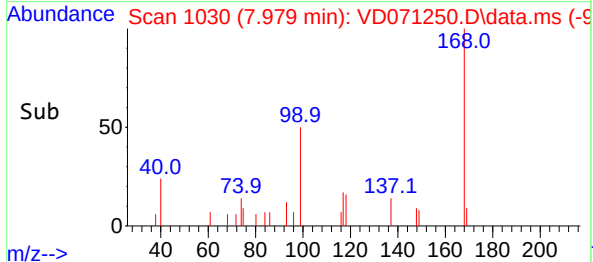
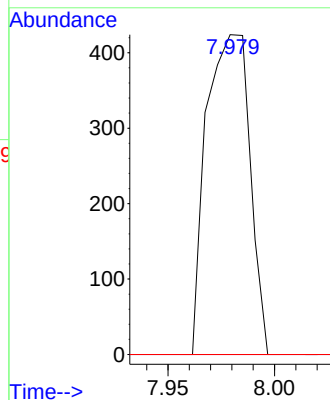
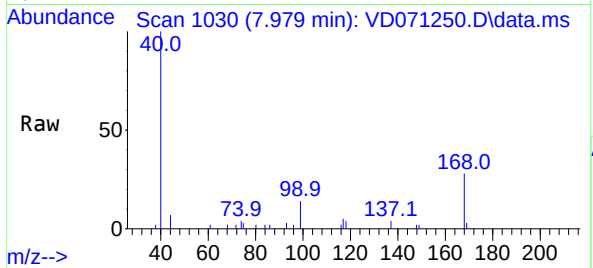




#38
Carbon Tetrachloride
Concen: 6.76 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

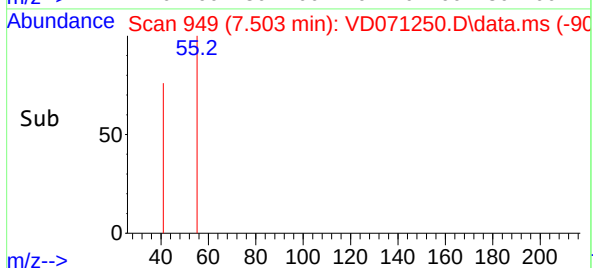
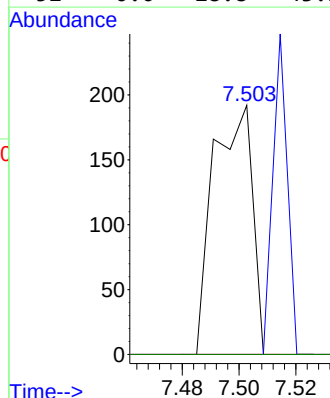
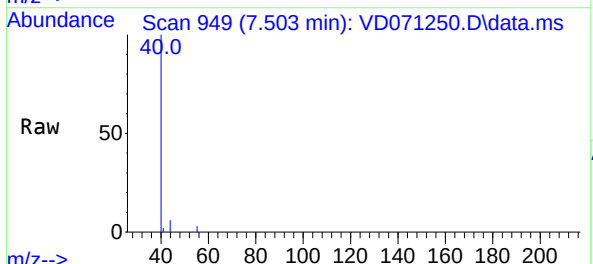
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

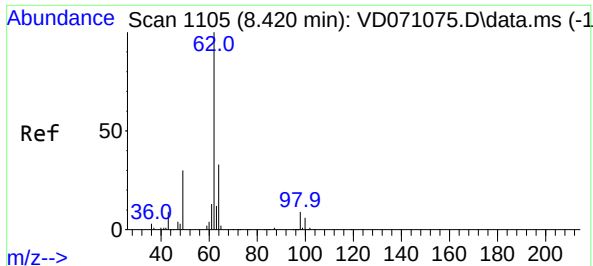
Tgt Ion:117 Resp: 601
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 6.13 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.017 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion: 41 Resp: 182
Ion Ratio Lower Upper
41 100
39 47.8 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

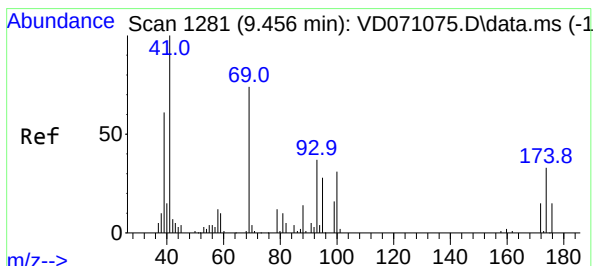
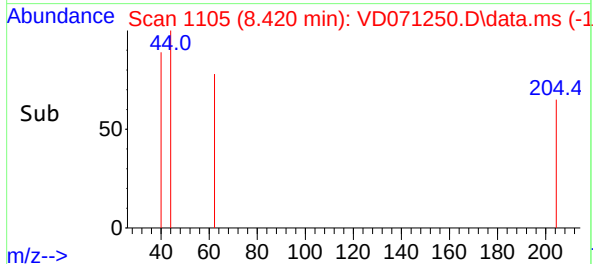
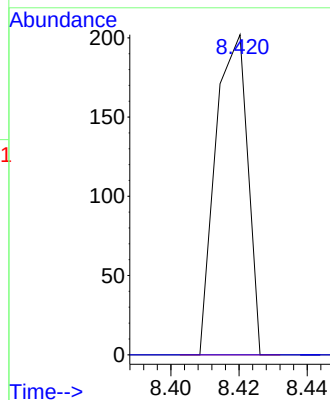
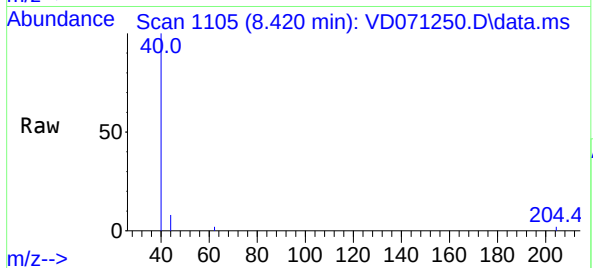




#42
1,2-Dichloroethane
Concen: 1.77 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

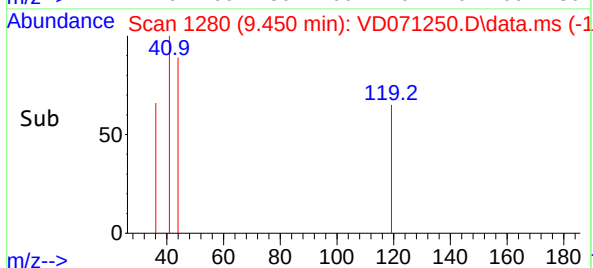
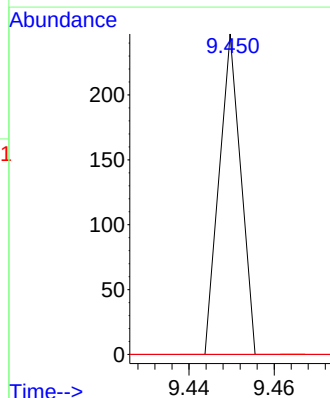
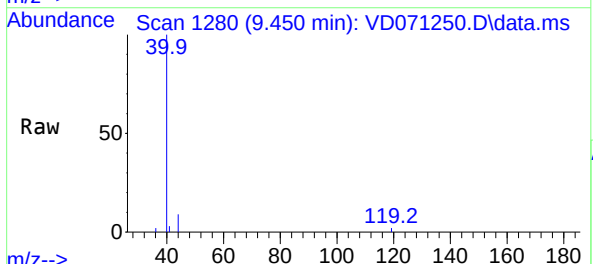
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

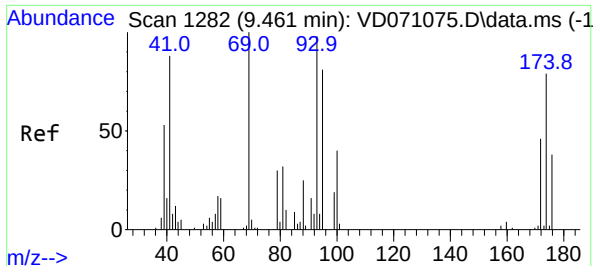
Tgt Ion: 62 Resp: 132
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8



#48
Methyl methacrylate
Concen: 2.28 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.006 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion: 41 Resp: 87
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.6#
39 0.0 35.6 53.4#

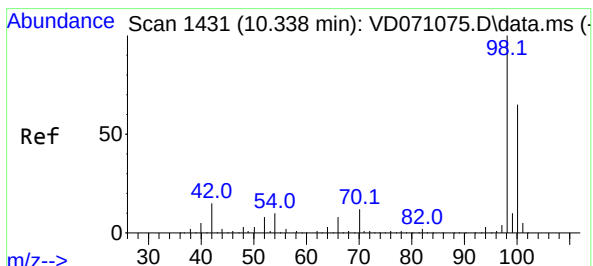
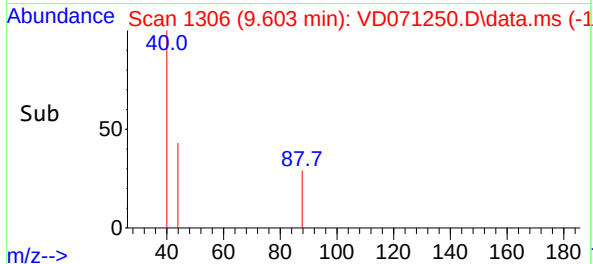
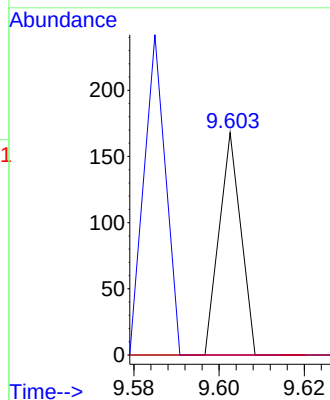
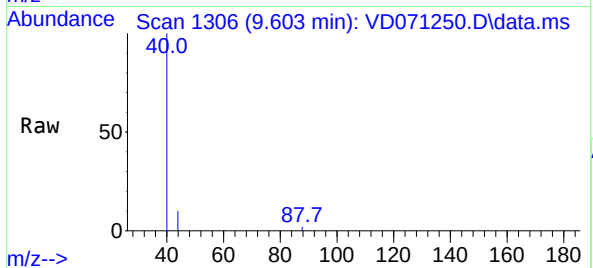




#49
1,4-Dioxane
Concen: 182.95 ug/l
RT: 9.603 min Scan# 11
Delta R.T. 0.142 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

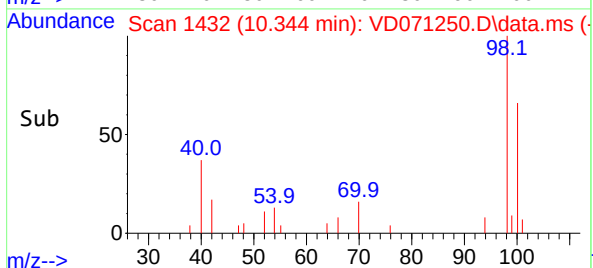
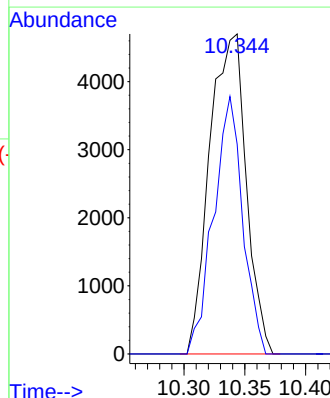
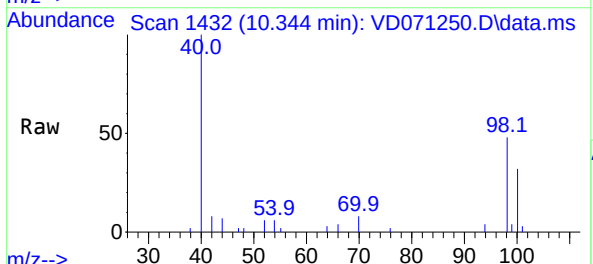
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

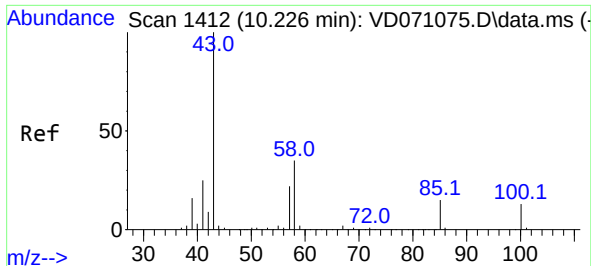
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 144.1 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 41.97 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion: 98 Resp: 9810
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6

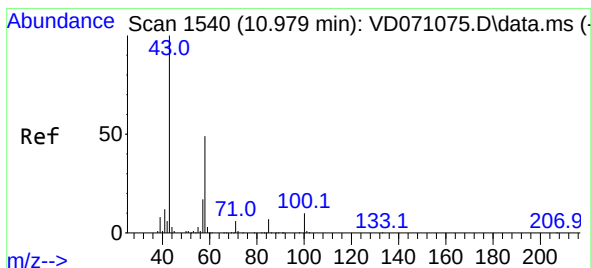
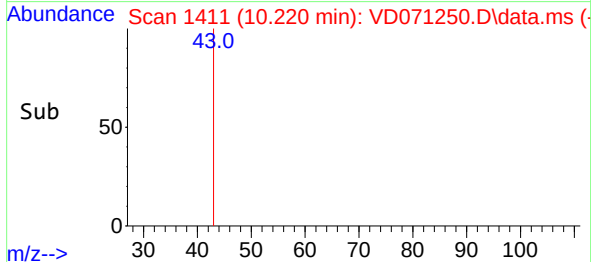
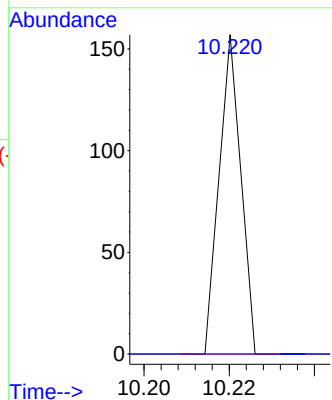
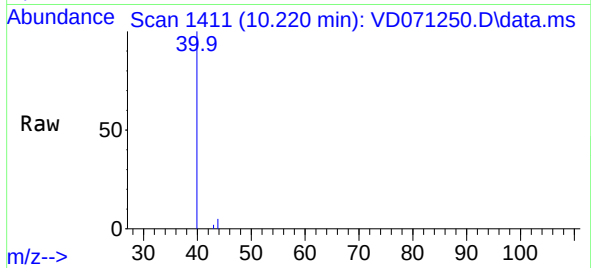




#51
4-Methyl-2-Pentanone
Concen: 31.75 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

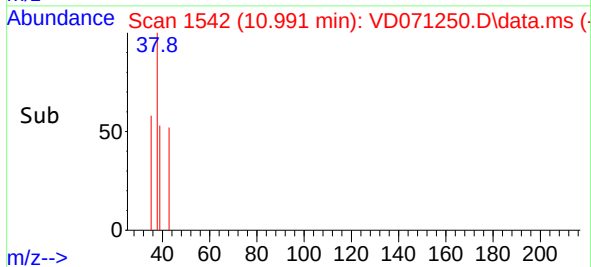
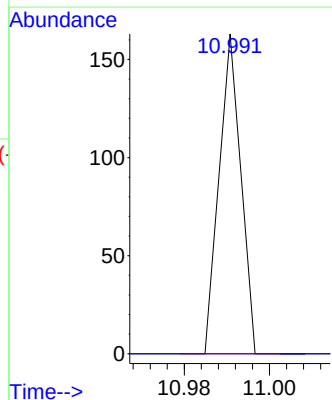
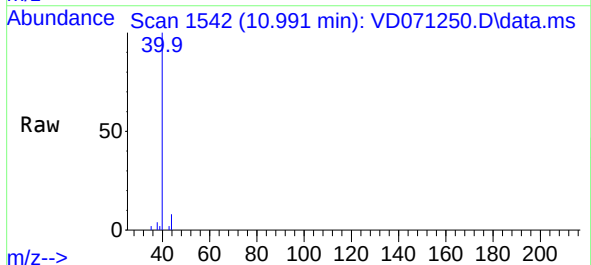
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

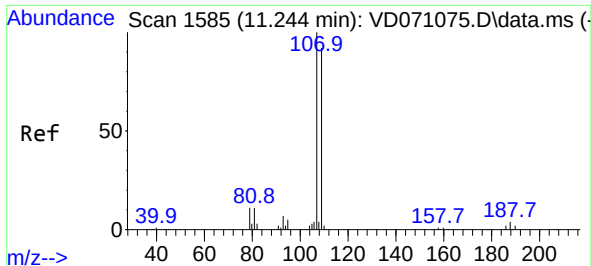
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 36.08 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

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





#61

1,2-Dibromoethane

Concen: 1.76 ug/l

RT: 11.373 min Scan# 1

Delta R.T. 0.129 min

Lab File: VD071250.D

Acq: 10 Dec 2021 14:31

Instrument :

MSVOA_D

ClientSampleId :

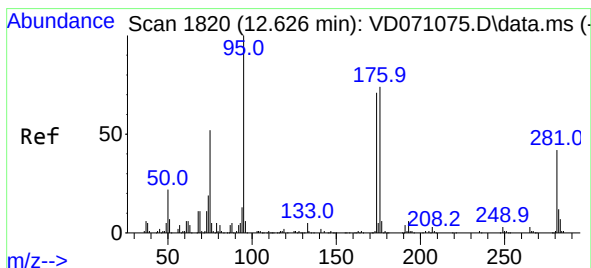
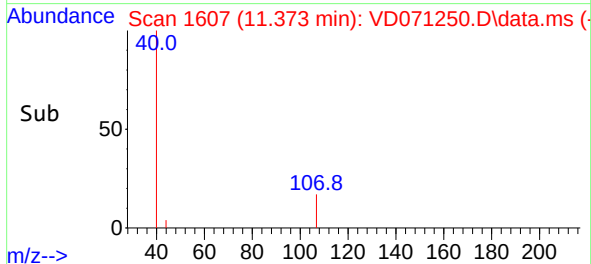
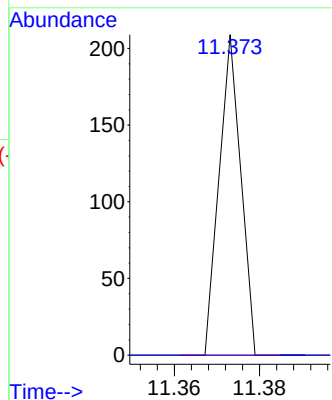
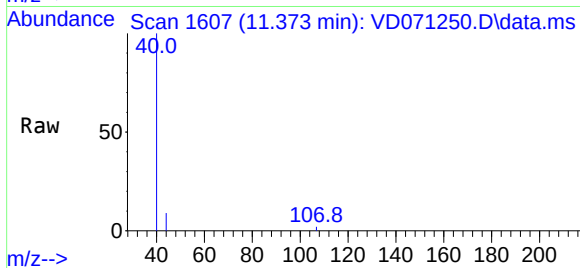
TP-11SRE

Tgt Ion:107 Resp: 74

Ion Ratio Lower Upper

107 100

109 0.0 74.6 112.0#



#62

4-Bromofluorobenzene

Concen: 58.62 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071250.D

Acq: 10 Dec 2021 14:31

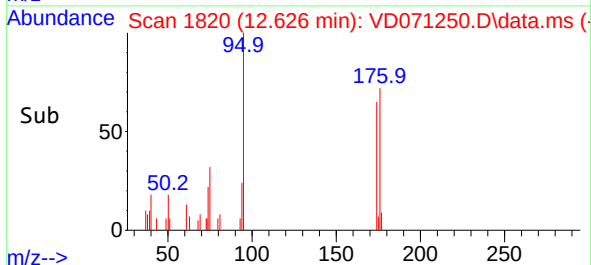
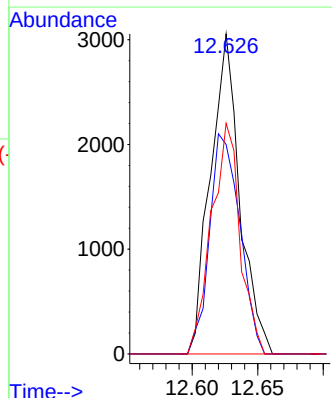
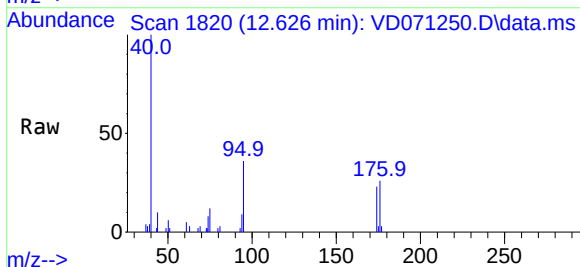
Tgt Ion: 95 Resp: 4749

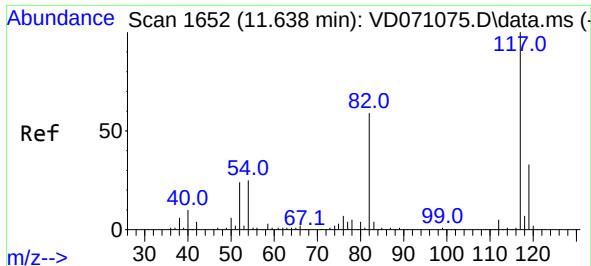
Ion Ratio Lower Upper

95 100

174 71.1 0.0 159.4

176 70.0 0.0 154.0

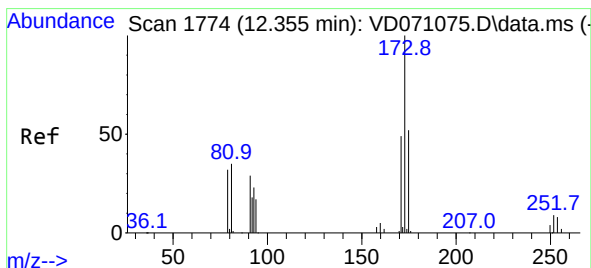
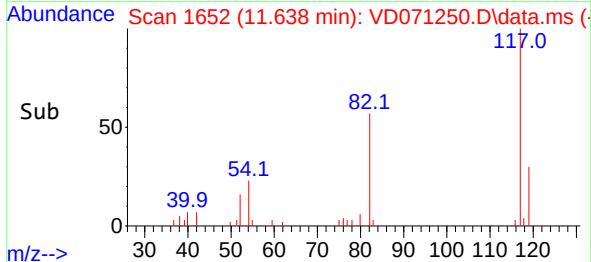
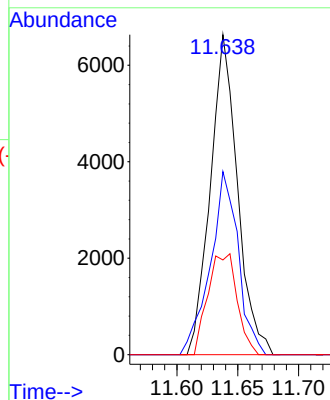
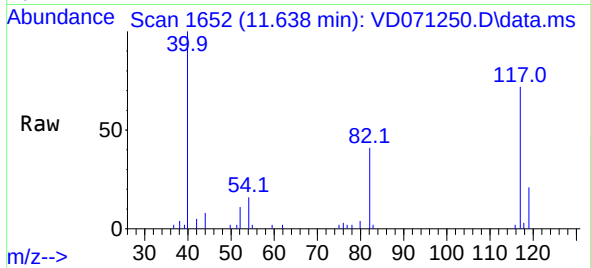




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1119
Delta R.T. -0.000 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

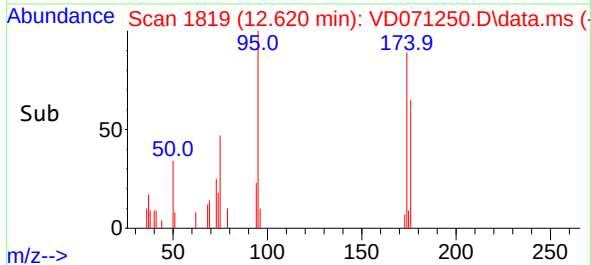
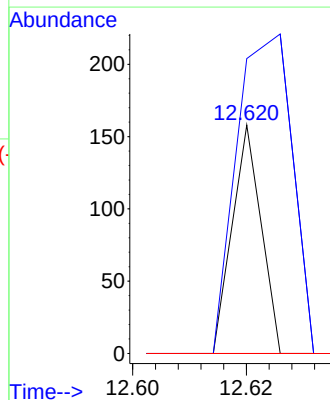
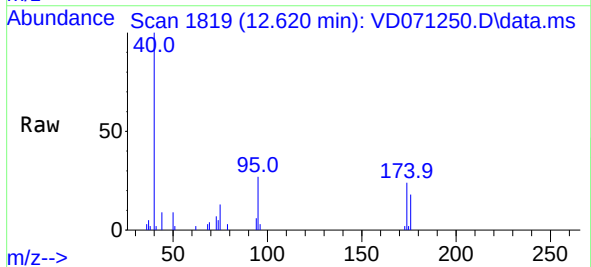
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

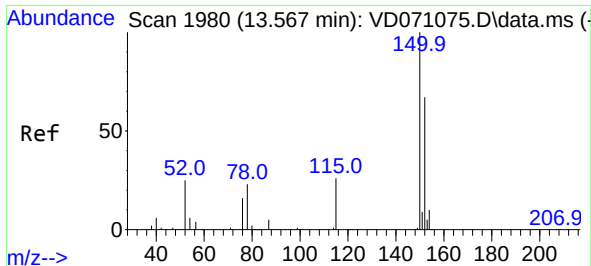
Tgt Ion:117 Resp: 10316
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 29.6 26.2 39.4



#71
Bromoform
Concen: 1.55 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion:173 Resp: 56
Ion Ratio Lower Upper
173 100
175 267.9 24.1 72.2#
254 0.0 0.1 0.1#

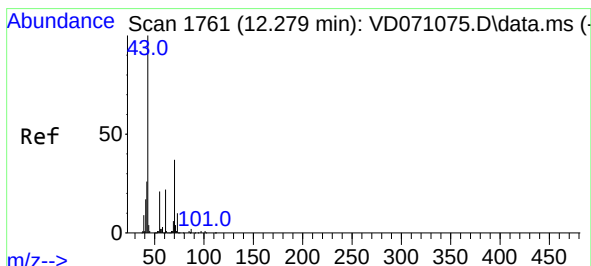
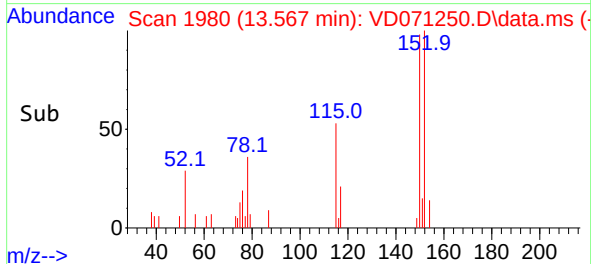
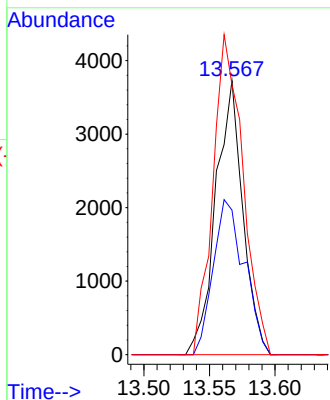
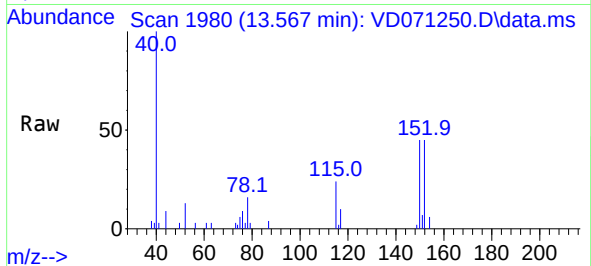




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

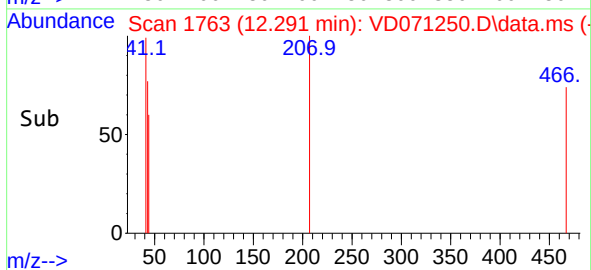
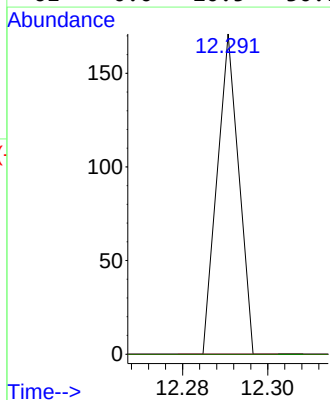
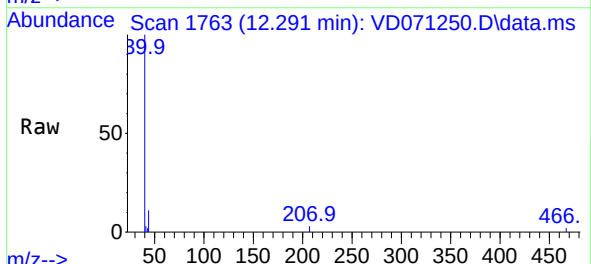
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

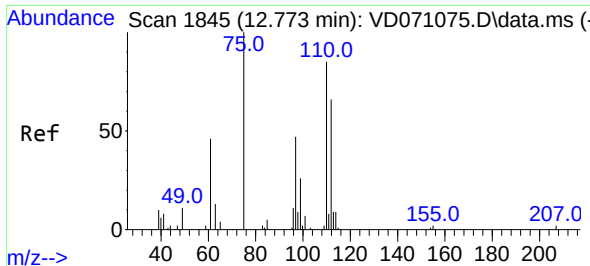
Tgt Ion:152 Resp: 5365
Ion Ratio Lower Upper
152 100
115 64.9 29.8 89.3
150 128.9 0.0 349.2



#74
N-ethyl acetate
Concen: 6.20 ug/l
RT: 12.291 min Scan# 1763
Delta R.T. 0.012 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion: 43 Resp: 60
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#

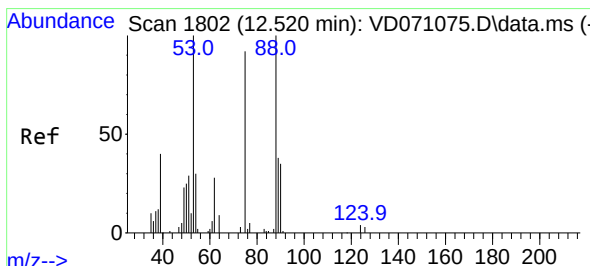
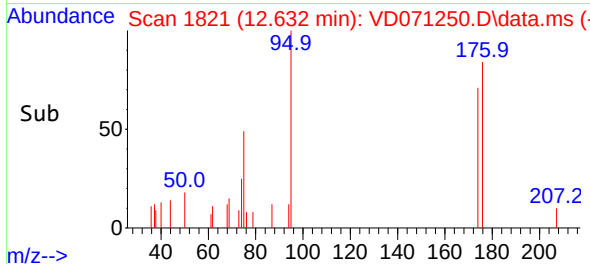
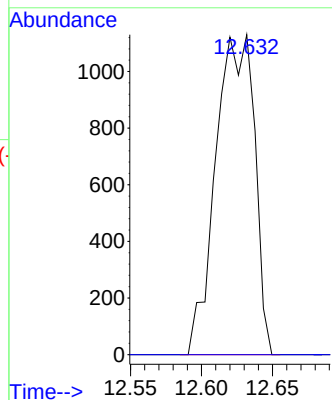
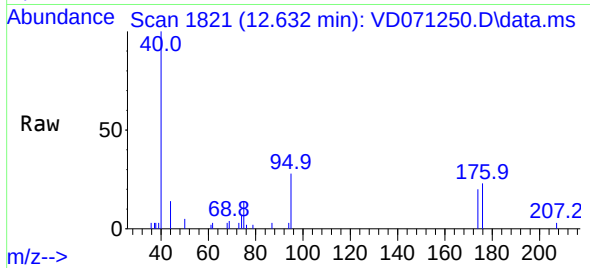




#76
1,2,3-Trichloropropane
Concen: 42.10 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.141 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

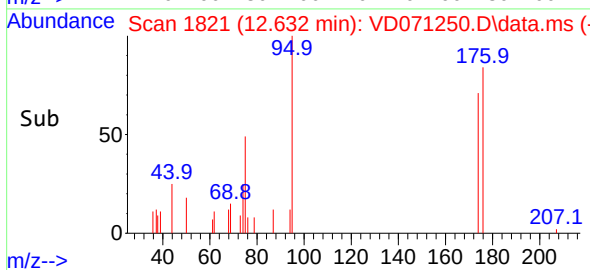
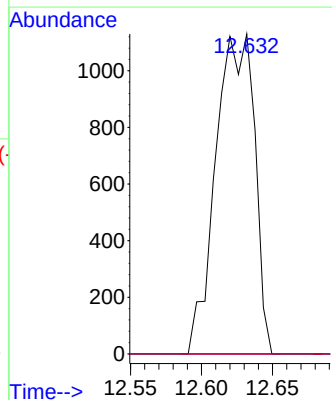
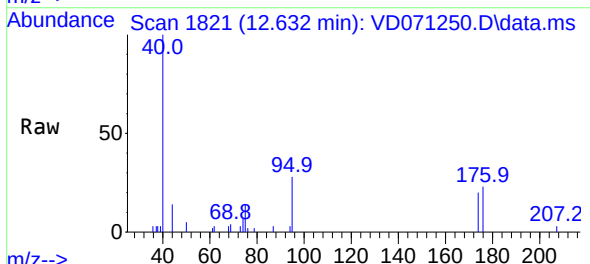
Instrument :
MSVOA_D
ClientSampleId :
TP-11SRE

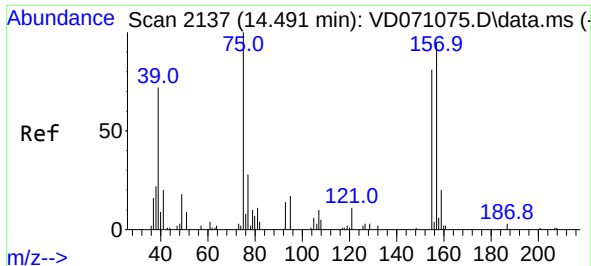
Tgt Ion: 75 Resp: 2152
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.87 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.112 min
Lab File: VD071250.D
Acq: 10 Dec 2021 14:31

Tgt Ion: 75 Resp: 2152
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.14 ug/l

RT: 14.726 min Scan# 21

Delta R.T. 0.235 min

Lab File: VD071250.D

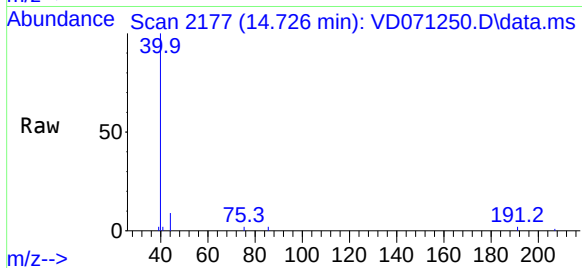
Acq: 10 Dec 2021 14:31

Instrument :

MSVOA_D

ClientSampleId :

TP-11SRE



Tgt Ion:	75	Resp:	64
Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.0	120.0#
157	0.0	49.8	149.3#

