

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071412.D
 Acq On : 21 Dec 2021 15:57
 Operator : VA/SY
 Sample : M5184-02
 Misc : 5.77G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 19:08:44 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

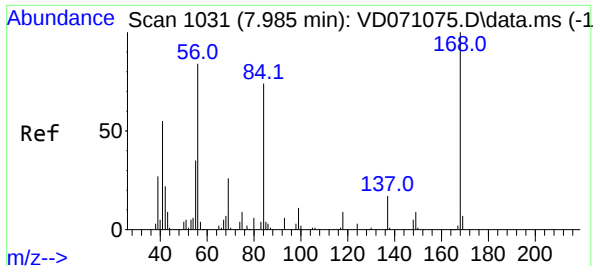
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	451888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	815348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	721167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	317045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	267755	50.497	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.000%			
35) Dibromofluoromethane	7.914	113	262267	50.513	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.338	98	1027271	51.992	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.980%			
62) 4-Bromofluorobenzene	12.626	95	334310	48.812	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.620%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	171	4.590	ug/l #	40
11) Tert butyl alcohol	5.221	59	232	Below Cal	#	71
16) Acetone	4.150	43	1907	31.984	ug/l	88
20) Methylene Chloride	4.962	84	30691	1.702	ug/l #	83
23) Vinyl Acetate	6.315	43	131	27.232	ug/l #	72
25) 2-Butanone	7.220	43	439	28.598	ug/l #	45
27) cis-1,2-Dichloroethene	7.215	96	9450	1.769	ug/l	93
31) Cyclohexane	7.979	56	13518	1.499	ug/l #	47
36) 1,1-Dichloropropene	7.973	75	41422	5.436	ug/l #	51
38) Carbon Tetrachloride	7.979	117	47407	6.311	ug/l #	16
41) Methacrylonitrile	7.526	41	117	Below Cal	#	29
43) Isopropyl Acetate	8.438	43	321	5.263	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	668	30.810	ug/l #	34
56) Ethyl methacrylate	10.661	69	118	5.990	ug/l #	1
59) 2-Hexanone	10.991	43	846	34.835	ug/l #	49
60) Dibromochloromethane	10.867	129	7488	1.626	ug/l #	11
64) Tetrachloroethene	10.873	164	7976	1.742	ug/l #	80
74) N-amyl acetate	12.255	43	3967	6.260	ug/l #	71
76) 1,2,3-Trichloropropane	12.626	75	190471	63.056	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	190471	136.227	ug/l #	19

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

Quant Time: Dec 21 19:08:44 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

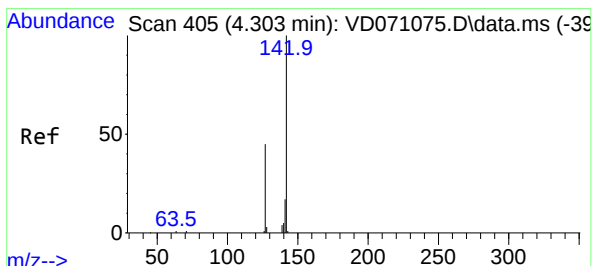
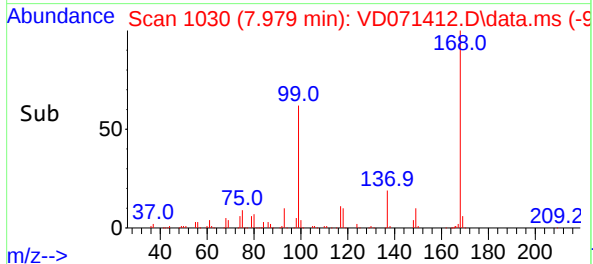
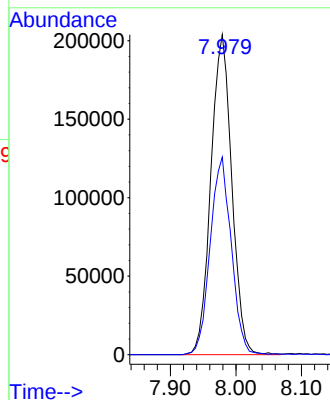
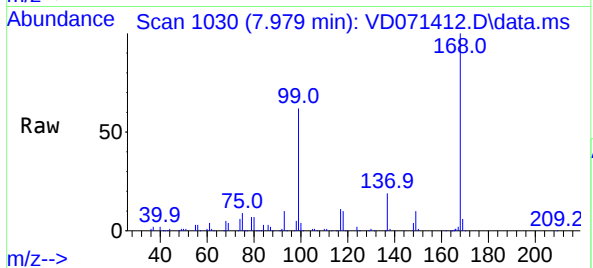




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

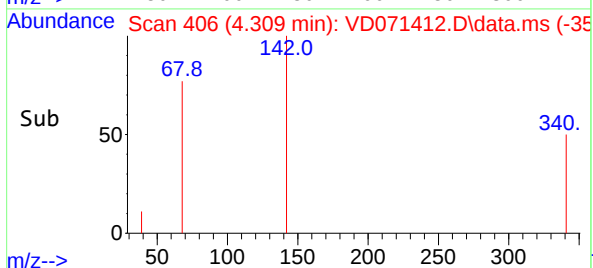
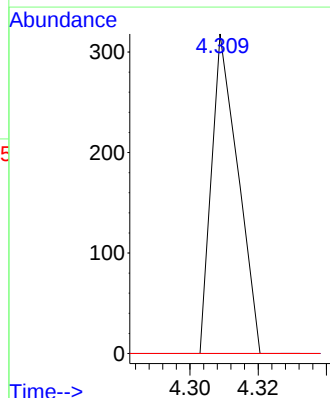
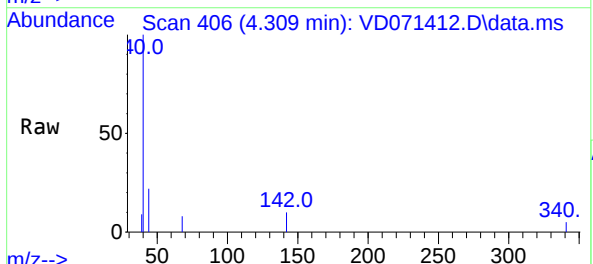
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 451888
Ion Ratio Lower Upper
168 100
99 61.8 46.6 69.8



#10
Methyl Iodide
Concen: 4.590 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

Tgt Ion:142 Resp: 171
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

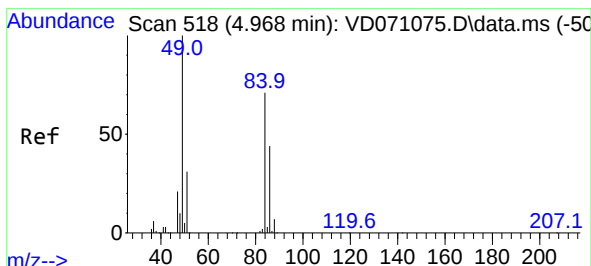
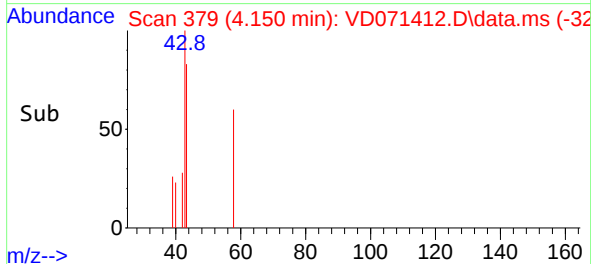
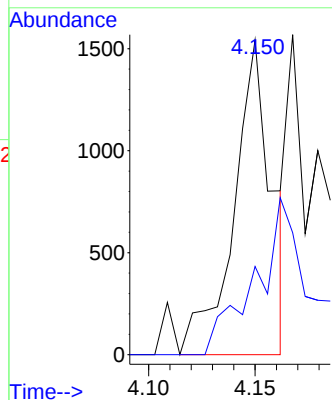
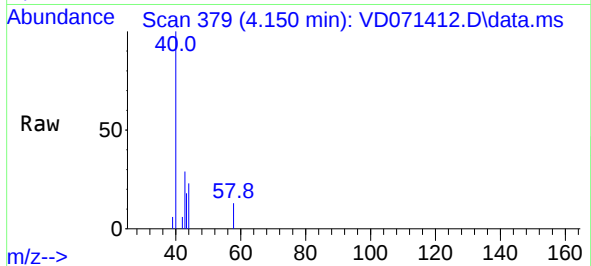




#16
Acetone
Concen: 31.984 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

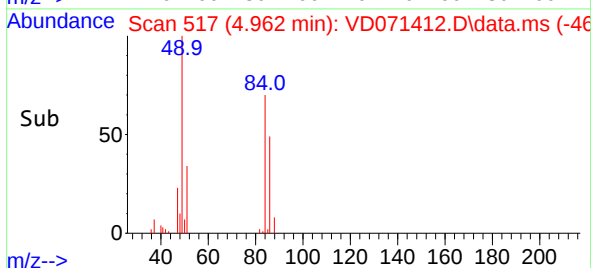
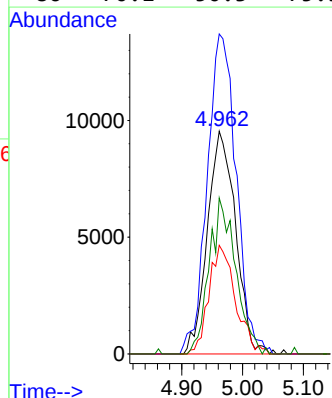
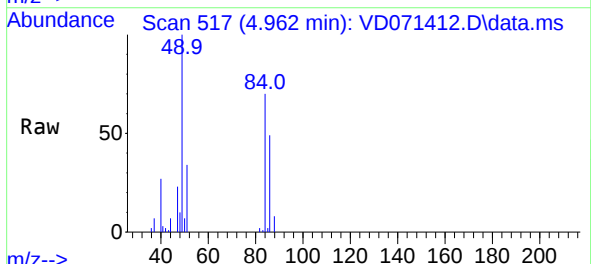
Instrument :
MSVOA_D
ClientSampleId :

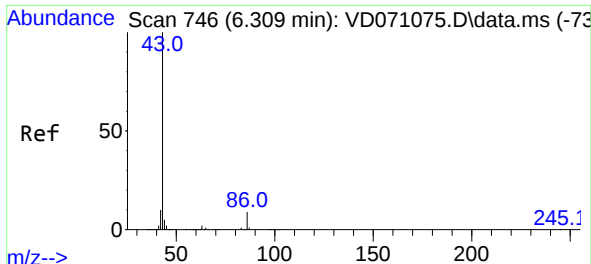
Tgt Ion: 43 Resp: 1907
Ion Ratio Lower Upper
43 100
58 28.0 27.8 41.8



#20
Methylene Chloride
Concen: 1.702 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

Tgt Ion: 84 Resp: 30691
Ion Ratio Lower Upper
84 100
49 143.7 95.8 143.6#
51 48.8 30.9 46.3#
86 70.1 50.3 75.5

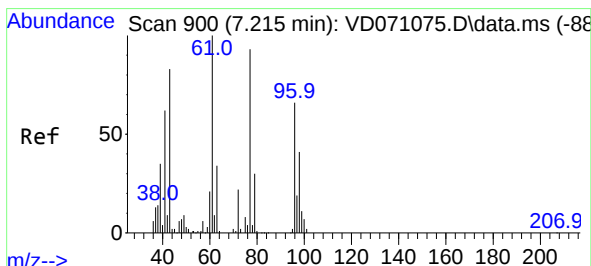
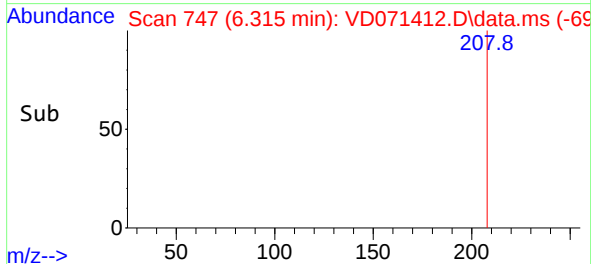
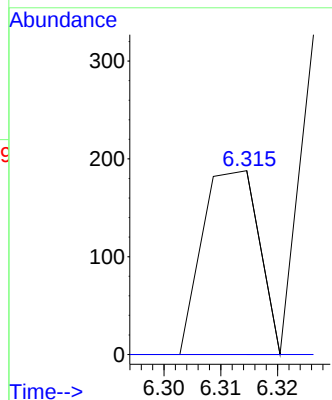
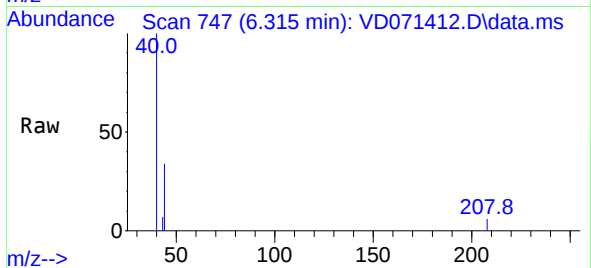




#23
 Vinyl Acetate
 Concen: 27.232 ug/l
 RT: 6.315 min Scan# 746
 Delta R.T. 0.006 min
 Lab File: VD071412.D
 Acq: 21 Dec 2021 15:57

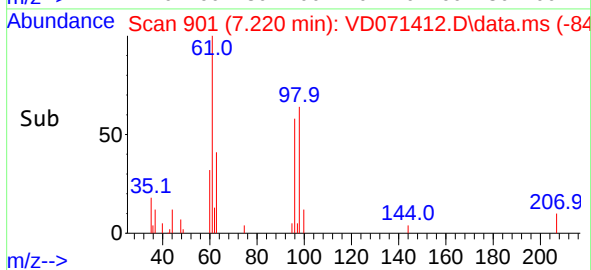
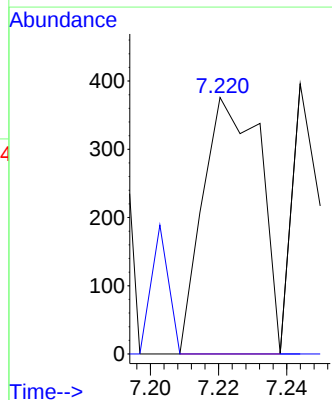
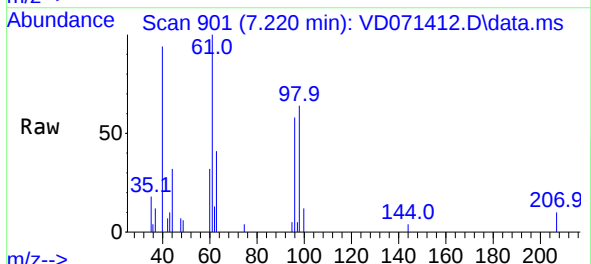
Instrument :
 MSVOA_D
 ClientSampleId :

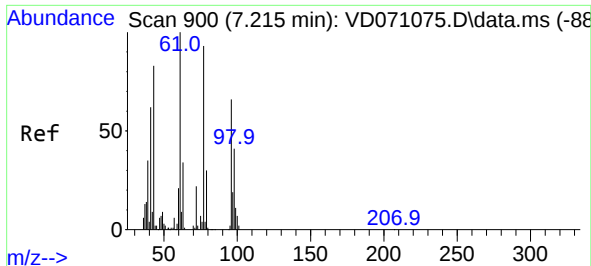
Tgt Ion: 43 Resp: 131
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.598 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.005 min
 Lab File: VD071412.D
 Acq: 21 Dec 2021 15:57

Tgt Ion: 43 Resp: 439
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#27

cis-1,2-Dichloroethene

Concen: 1.769 ug/l

RT: 7.215 min Scan# 90

Delta R.T. -0.000 min

Lab File: VD071412.D

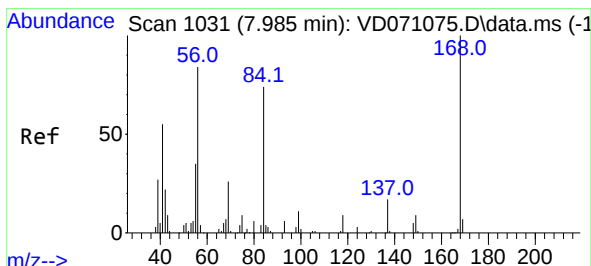
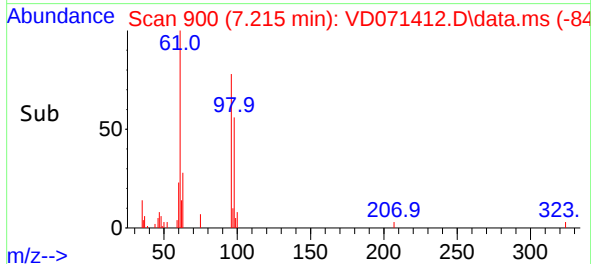
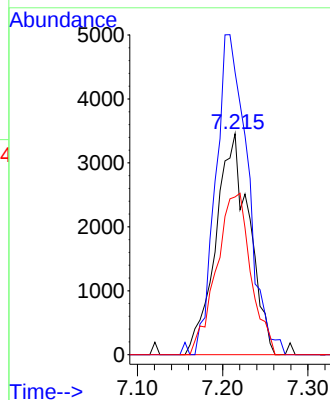
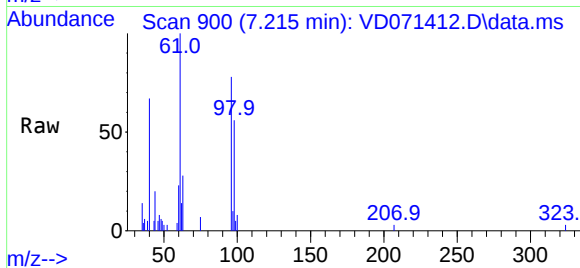
Acq: 21 Dec 2021 15:57

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	96	Resp:	9450
Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	288.6
98	74.8	0.0	129.2



#31

Cyclohexane

Concen: 1.499 ug/l

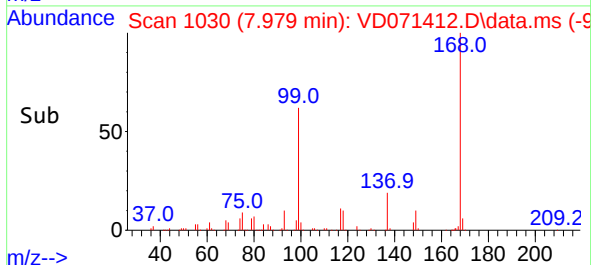
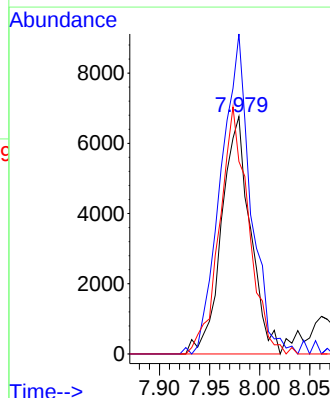
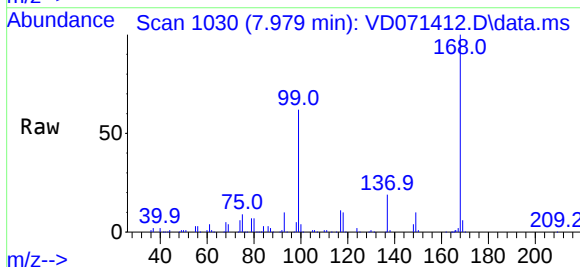
RT: 7.979 min Scan# 1030

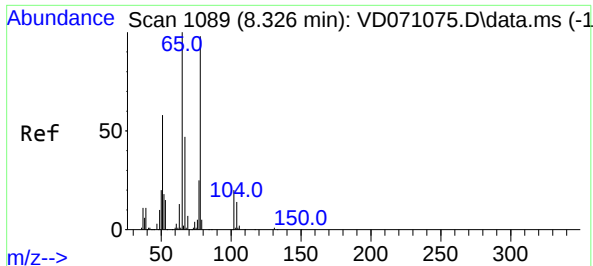
Delta R.T. -0.006 min

Lab File: VD071412.D

Acq: 21 Dec 2021 15:57

Tgt Ion:	56	Resp:	13518
Ion	Ratio	Lower	Upper
56	100		
69	134.7	25.9	38.9#
84	81.0	64.3	96.5

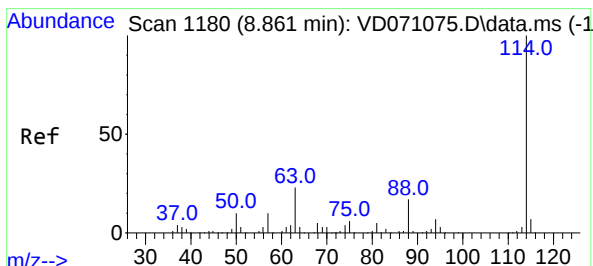
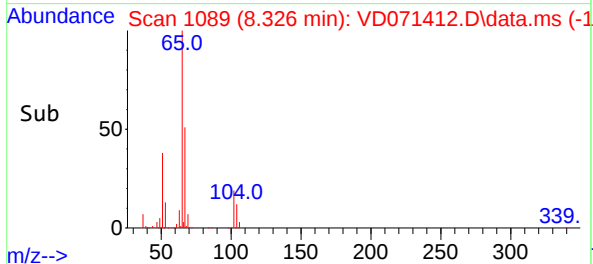
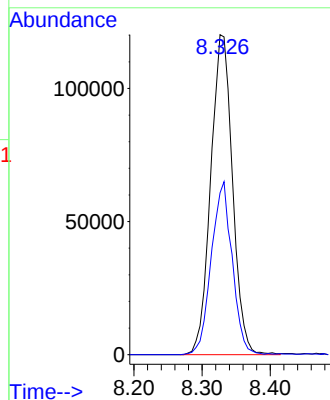
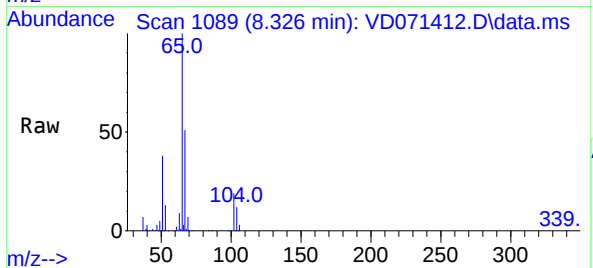




#33
1,2-Dichloroethane-d4
Concen: 50.497 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

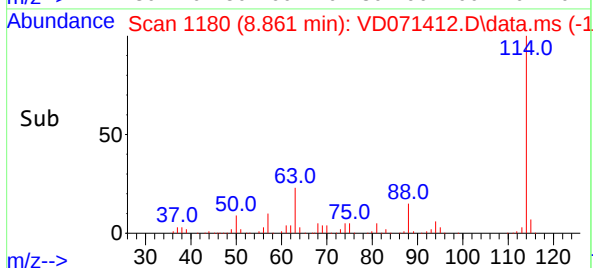
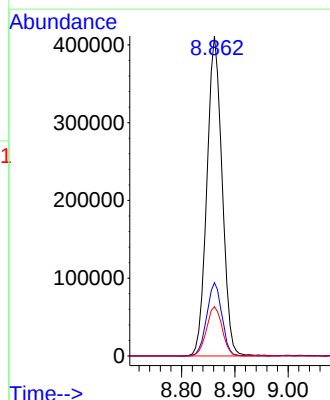
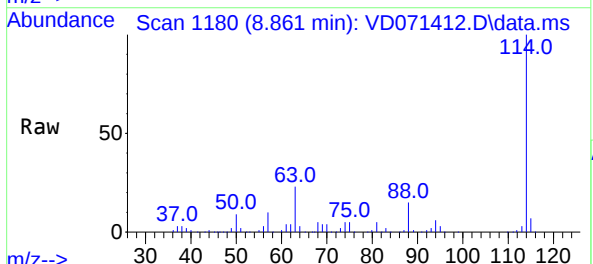
Instrument :
MSVOA_D
ClientSampleId :

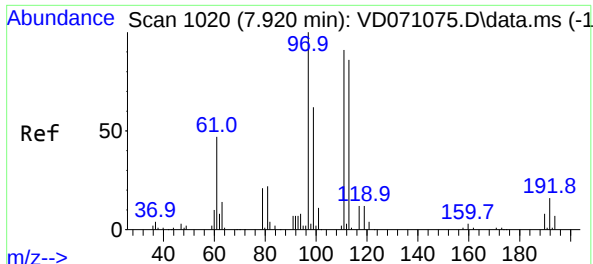
Tgt Ion: 65 Resp: 267755
Ion Ratio Lower Upper
65 100
67 51.9 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

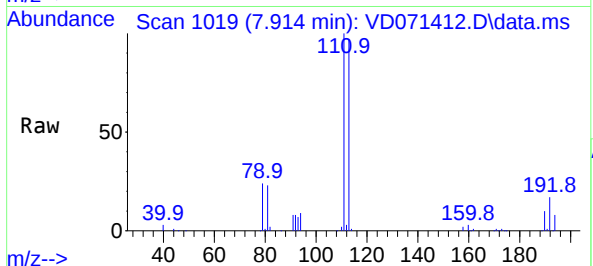
Tgt Ion: 114 Resp: 815348
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 15.4 0.0 32.8



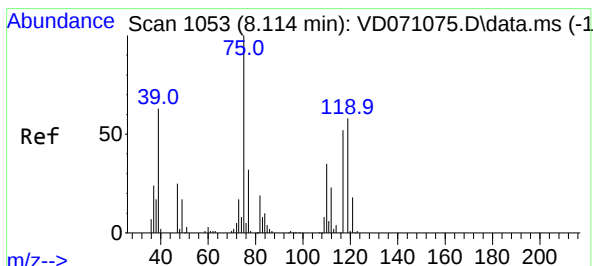
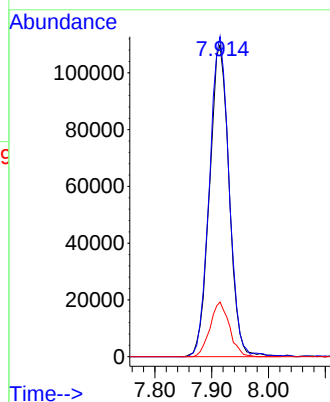
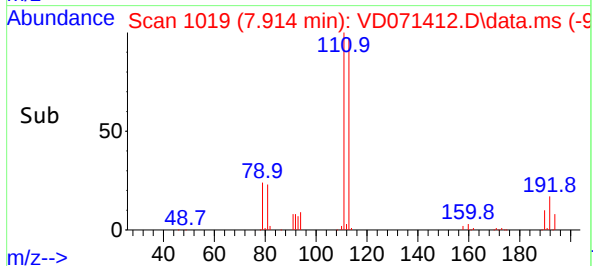


#35
Dibromofluoromethane
Concen: 50.513 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

Instrument :
MSVOA_D
ClientSampleId :

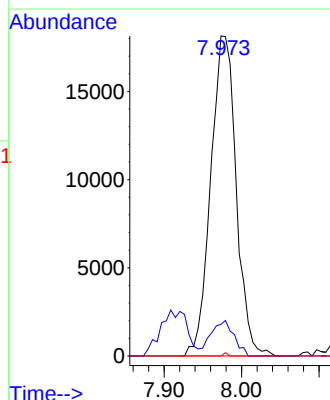
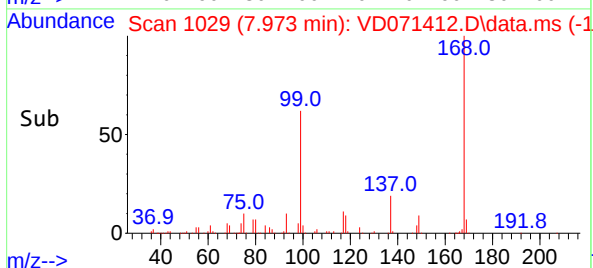
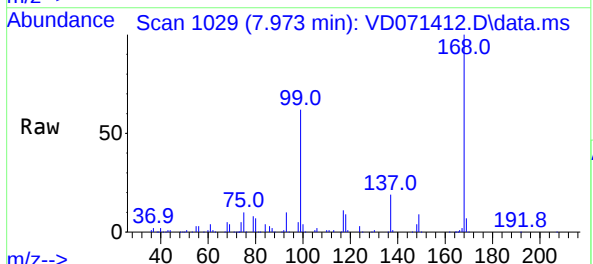


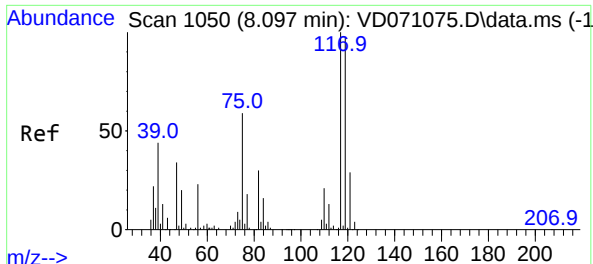
Tgt Ion:113 Resp: 262267
Ion Ratio Lower Upper
113 100
111 102.2 82.0 123.0
192 17.3 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.436 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

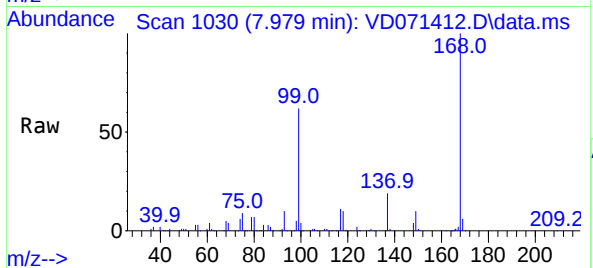
Tgt Ion: 75 Resp: 41422
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.4#
77 0.2 24.8 37.2#



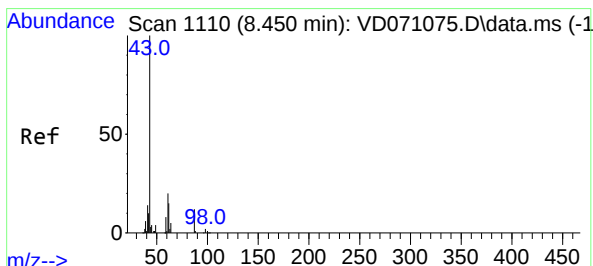
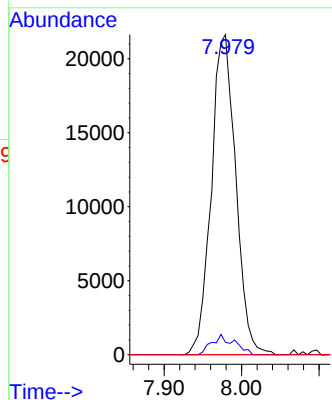
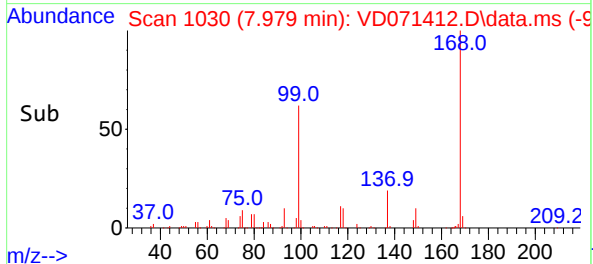


#38
Carbon Tetrachloride
Concen: 6.311 ug/l
RT: 7.979 min Scan# 1108
Delta R.T. -0.118 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

Instrument :
MSVOA_D
ClientSampleId :

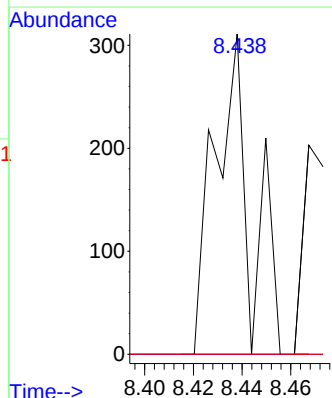
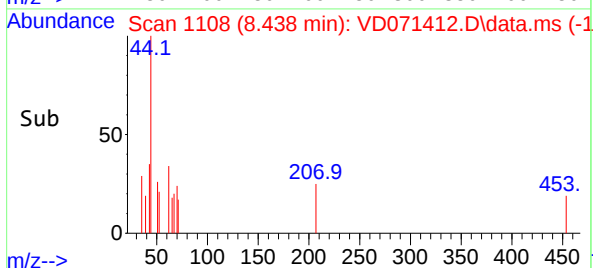
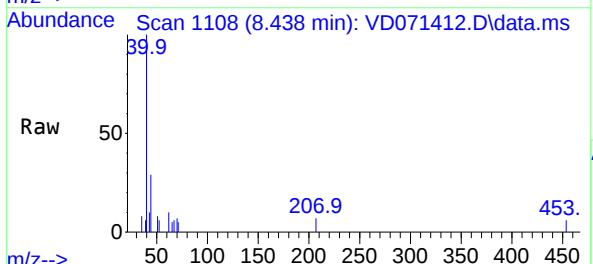


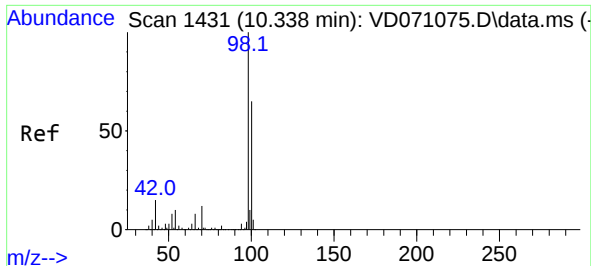
Tgt Ion:117 Resp: 47407
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.263 ug/l
RT: 8.438 min Scan# 1108
Delta R.T. -0.012 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

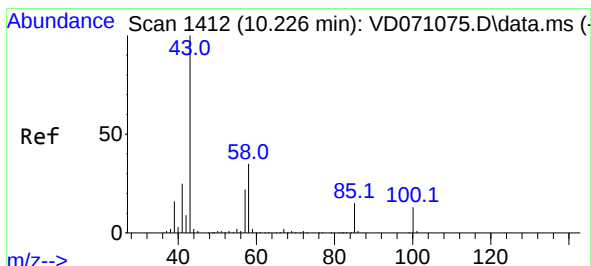
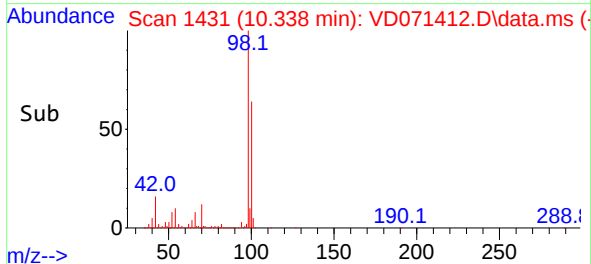
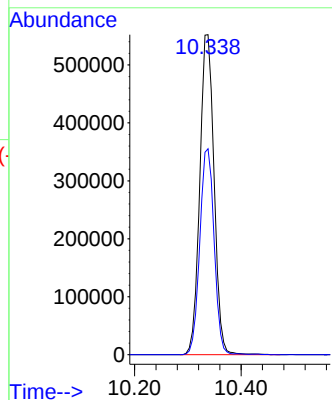
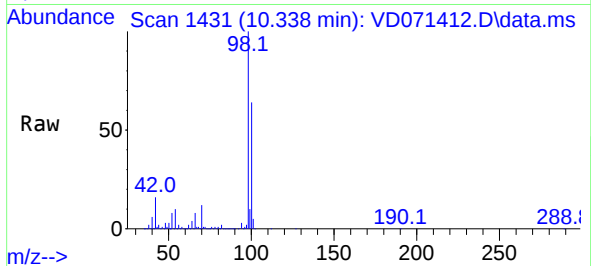




#50
Toluene-d8
Concen: 51.992 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

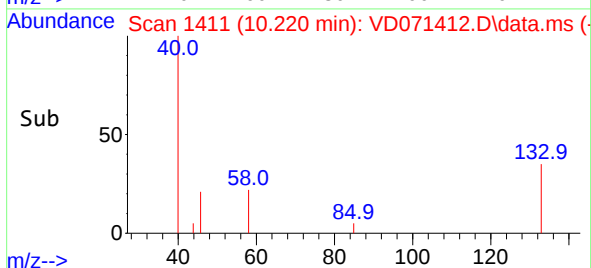
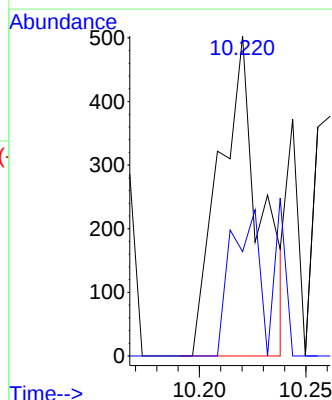
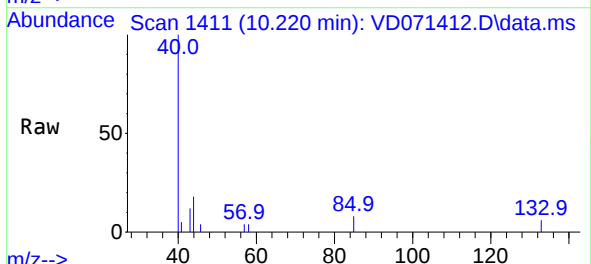
Instrument :
MSVOA_D
ClientSampleId :

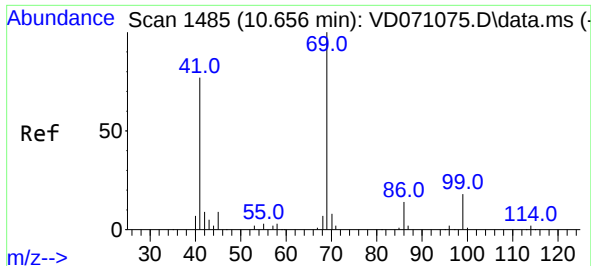
Tgt Ion: 98 Resp: 1027271
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.810 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

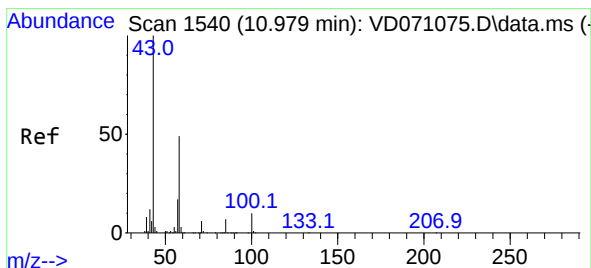
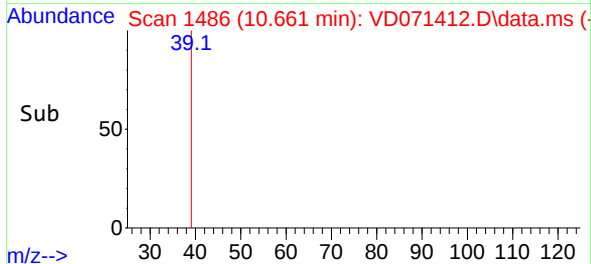
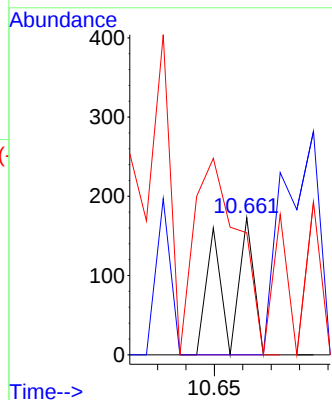
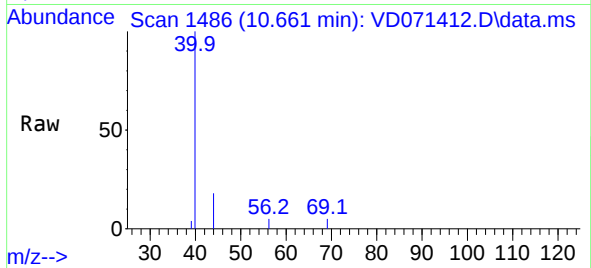




#56
Ethyl methacrylate
Concen: 5.990 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.005 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

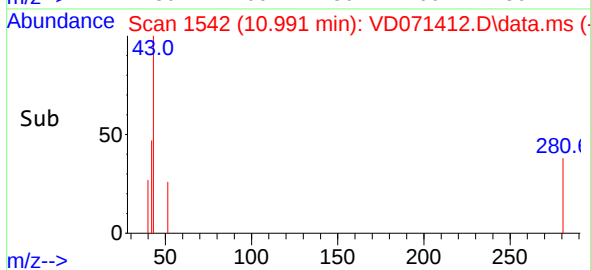
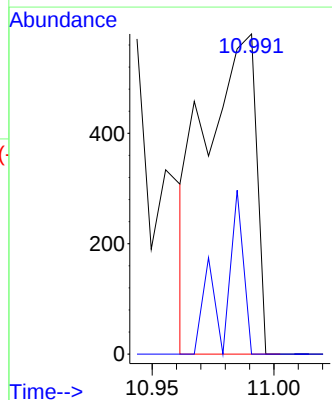
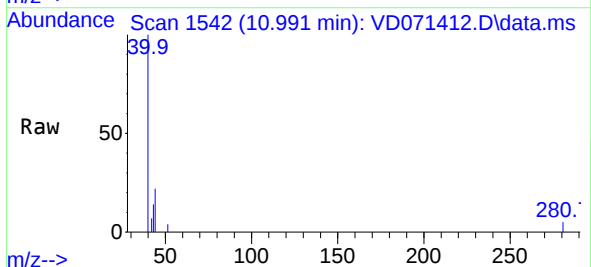
Instrument :
MSVOA_D
ClientSampleId :

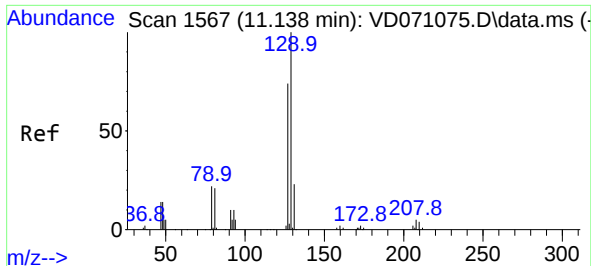
Tgt Ion: 69 Resp: 118
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 228.0 19.8 29.8#



#59
2-Hexanone
Concen: 34.835 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

Tgt Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
58 19.7 28.7 86.1#

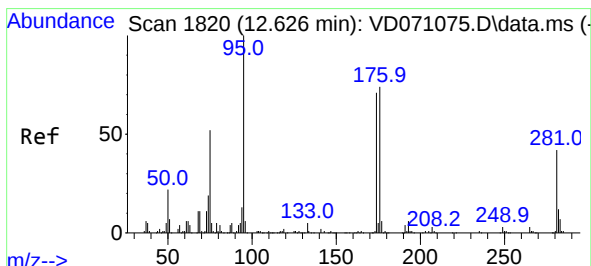
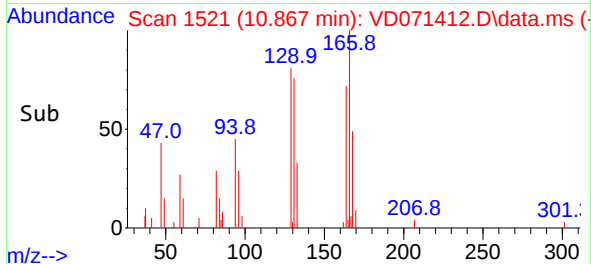
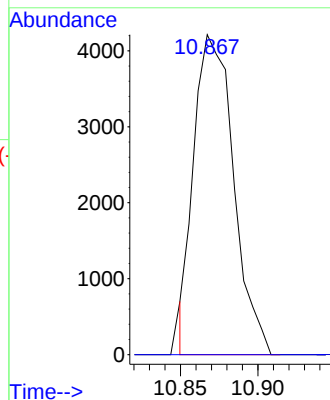
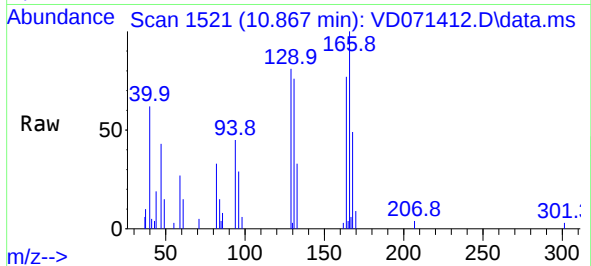




#60
Dibromochloromethane
Concen: 1.626 ug/l
RT: 10.867 min Scan# 11
Delta R.T. -0.271 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

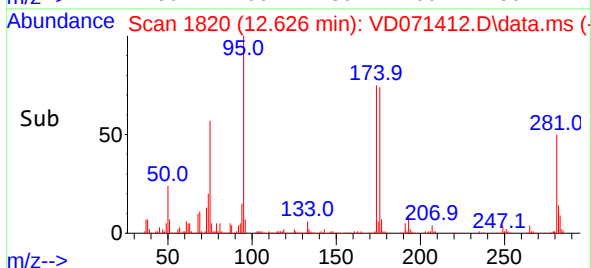
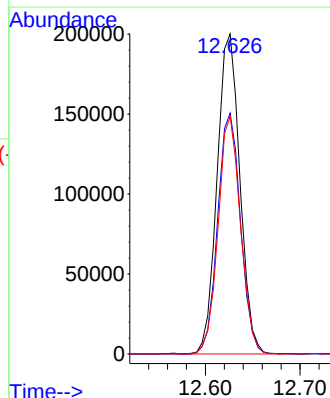
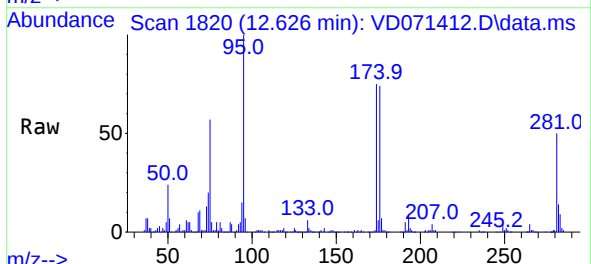
Instrument :
MSVOA_D
ClientSampleId :

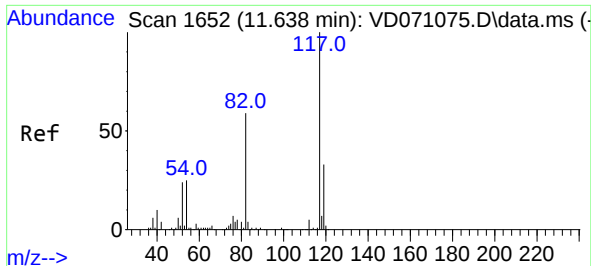
Tgt Ion:129 Resp: 7488
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 48.812 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

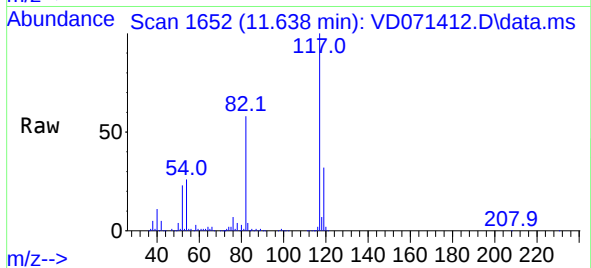
Tgt Ion: 95 Resp: 334310
Ion Ratio Lower Upper
95 100
174 75.4 0.0 159.4
176 72.7 0.0 154.0



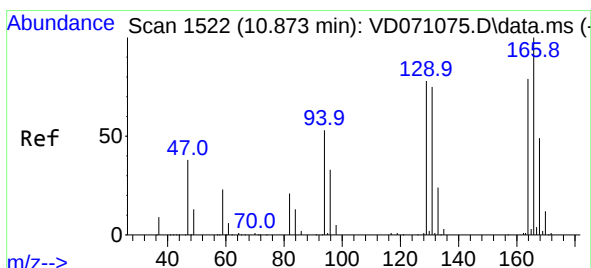
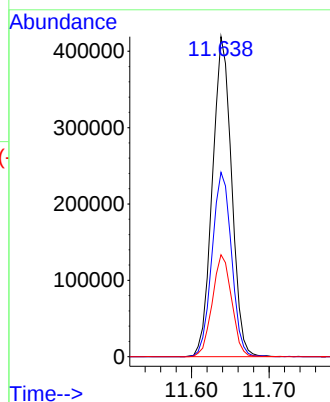
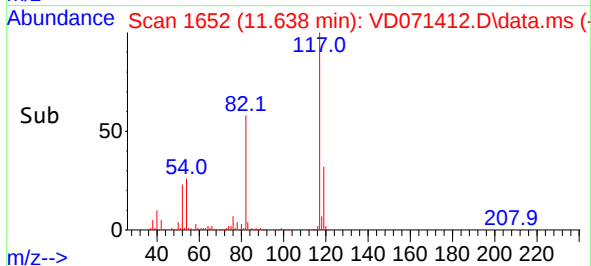


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

Instrument :
MSVOA_D
ClientSampleId :

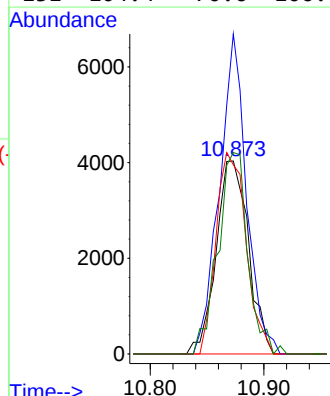
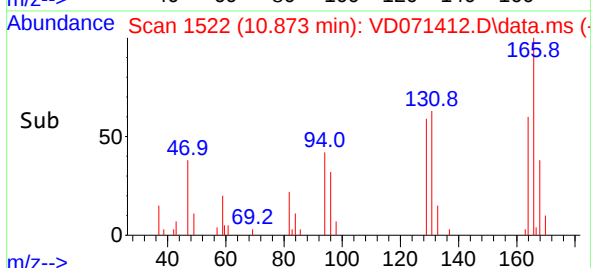
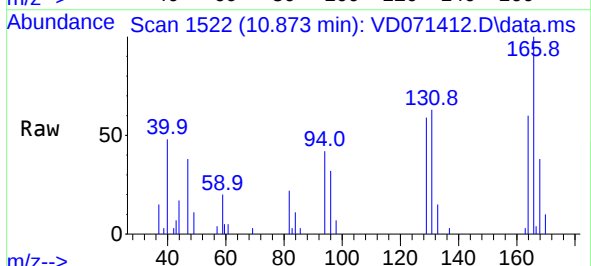


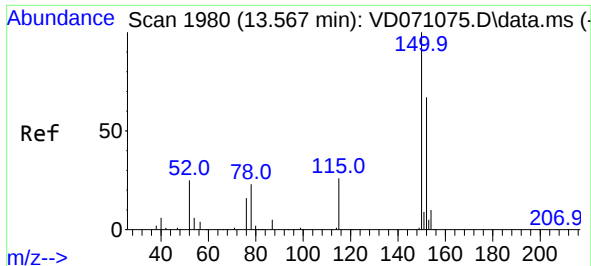
Tgt Ion:117 Resp: 721167
Ion Ratio Lower Upper
117 100
82 57.6 44.7 67.1
119 31.9 26.2 39.4



#64
Tetrachloroethene
Concen: 1.742 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

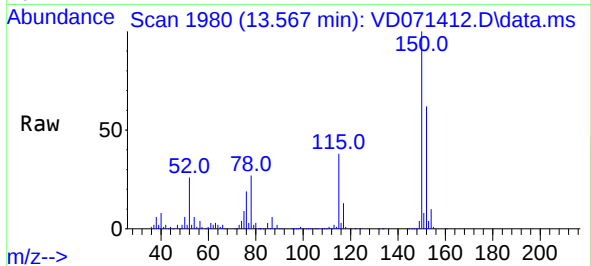
Tgt Ion:164 Resp: 7976
Ion Ratio Lower Upper
164 100
166 165.9 102.6 153.8#
129 98.0 75.4 113.0
131 104.4 70.6 106.0



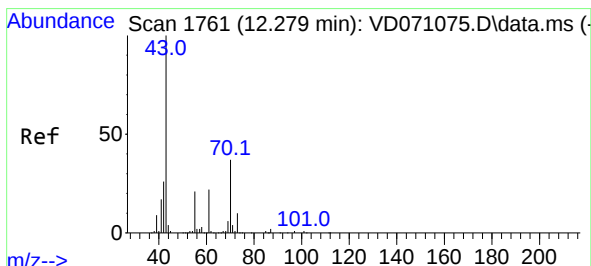
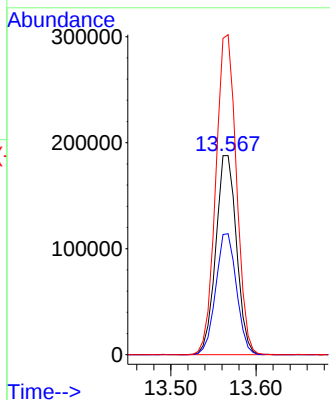
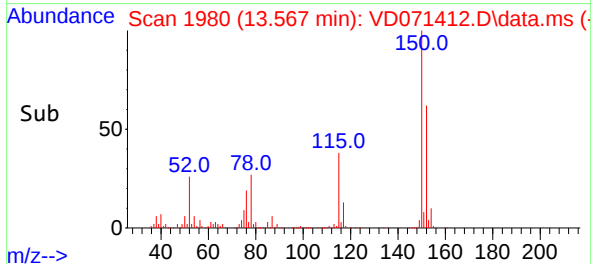


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

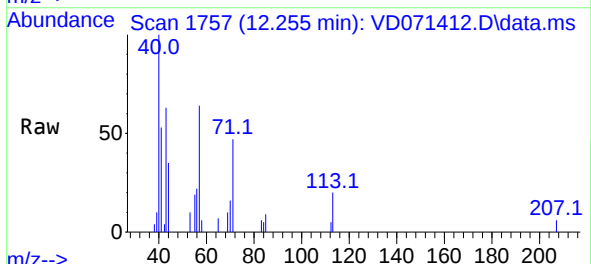
Instrument :
MSVOA_D
ClientSampleId :



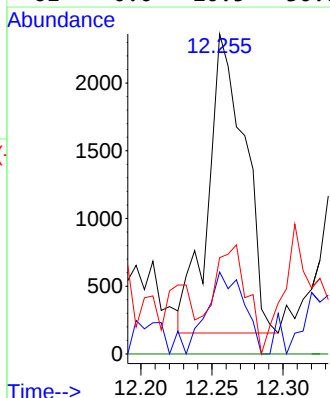
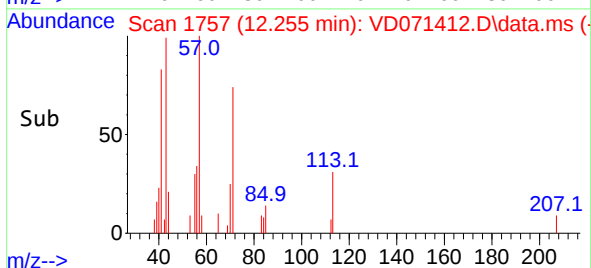
Tgt Ion:152 Resp: 317045
Ion Ratio Lower Upper
152 100
115 61.1 29.8 89.3
150 160.2 0.0 349.2

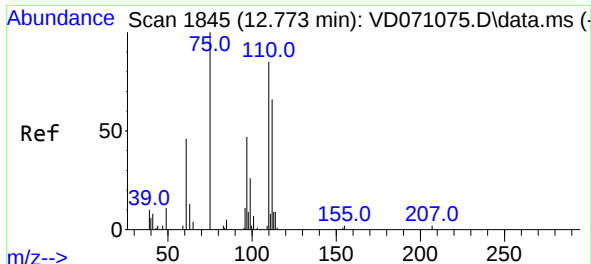


#74
N-ethyl acetate
Concen: 6.260 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57



Tgt Ion: 43 Resp: 3967
Ion Ratio Lower Upper
43 100
70 27.2 36.6 55.0#
55 33.4 22.5 33.7
61 0.0 20.5 30.7#

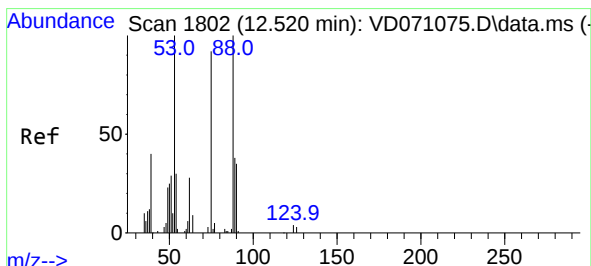
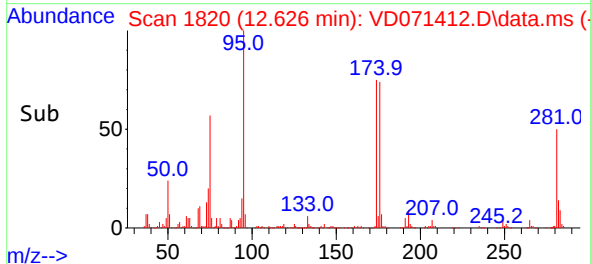
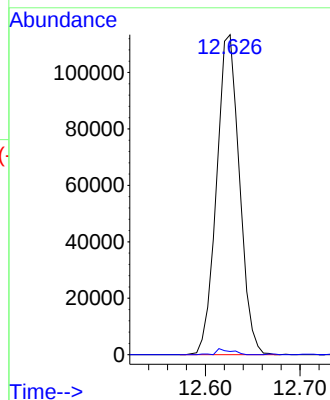
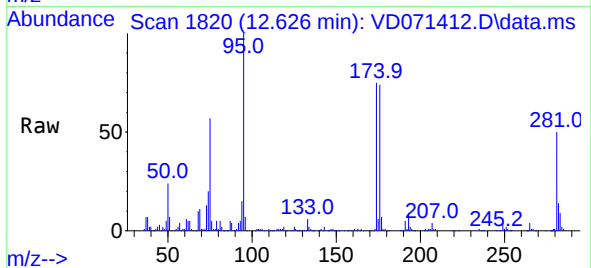




#76
1,2,3-Trichloropropane
Concen: 63.056 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 190471
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.227 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071412.D
Acq: 21 Dec 2021 15:57

Tgt Ion: 75 Resp: 190471
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.4 34.5 51.7#

