

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071230.D
 Acq On : 09 Dec 2021 16:07
 Operator : VA/SY
 Sample : M4990-04
 Misc : 7.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

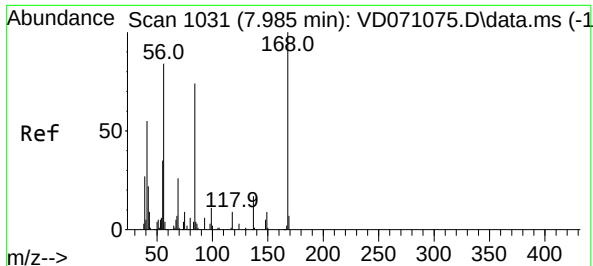
Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:45:42 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)

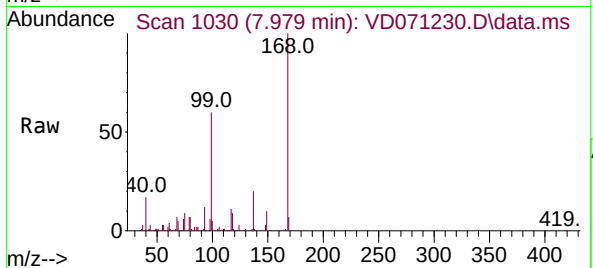
Internal Standards						
1) Pentafluorobenzene	7.979	168	102771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	179325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	211473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	112253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	76801	63.688	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.380%			
35) Dibromofluoromethane	7.914	113	63124	55.279	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.560%			
50) Toluene-d8	10.338	98	237678	54.694	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.380%			
62) 4-Bromofluorobenzene	12.626	95	107472	71.346	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 142.700%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.191	59	61	Below Cal	#	71
13) Acrolein	3.985	56	116	1.408	ug/l #	13
16) Acetone	4.162	43	1364	34.531	ug/l	97
20) Methylene Chloride	4.967	84	4776	Below Cal	#	74
23) Vinyl Acetate	6.226	43	70	27.250	ug/l #	72
25) 2-Butanone	7.267	43	55	28.491	ug/l #	45
31) Cyclohexane	7.973	56	2894	1.411	ug/l #	45
36) 1,1-Dichloropropene	7.985	75	9834	5.867	ug/l #	49
38) Carbon Tetrachloride	7.979	117	11624	7.036	ug/l #	17
41) Methacrylonitrile	7.626	41	54	Below Cal	#	1
43) Isopropyl Acetate	8.556	43	59	5.256	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	270	30.942	ug/l #	34
56) Ethyl methacrylate	10.838	69	63	6.018	ug/l #	1
59) 2-Hexanone	10.991	43	115	34.735	ug/l #	22
74) N-amyl acetate	12.285	43	138	5.756	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	60255	56.340	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	60255	122.331	ug/l #	18

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

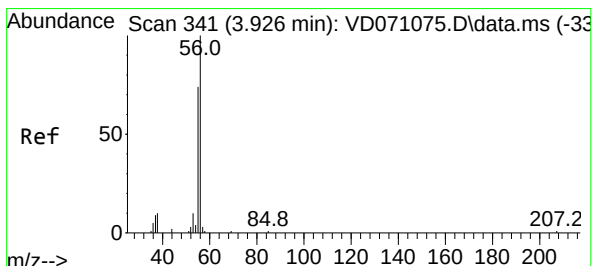
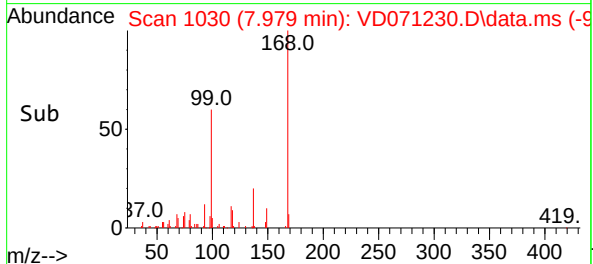
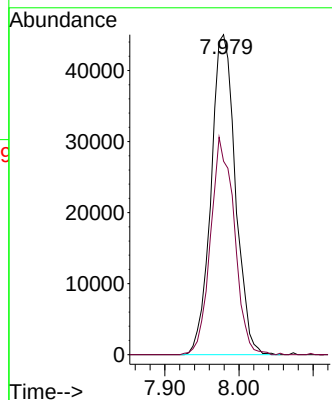


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

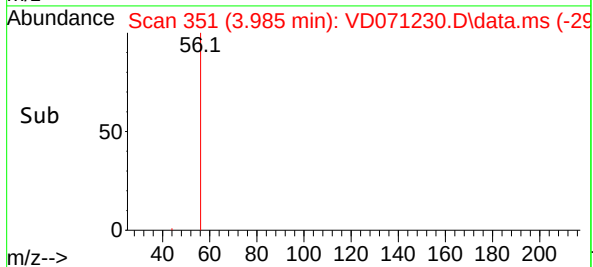
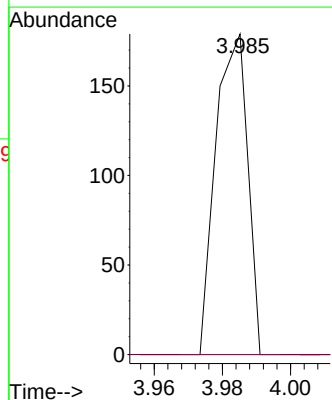
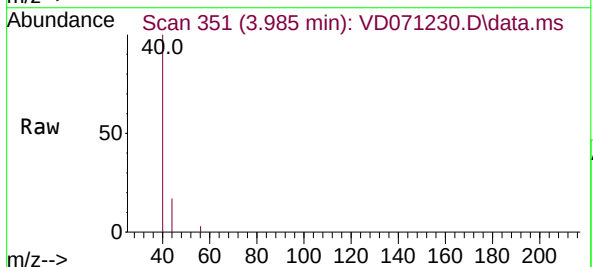


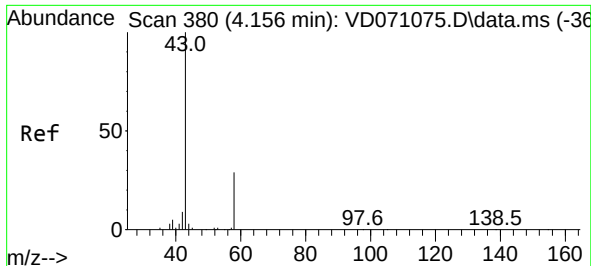
Tgt Ion:168 Resp: 102771
Ion Ratio Lower Upper
168 100
99 60.5 46.6 69.8



#13
Acrolein
Concen: 1.408 ug/l
RT: 3.985 min Scan# 351
Delta R.T. 0.059 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

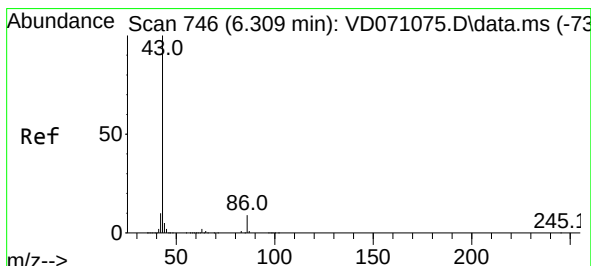
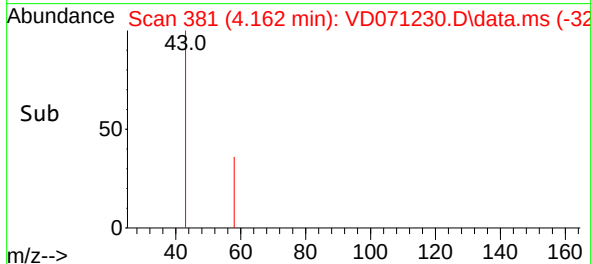
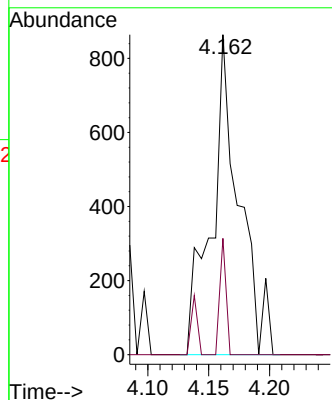
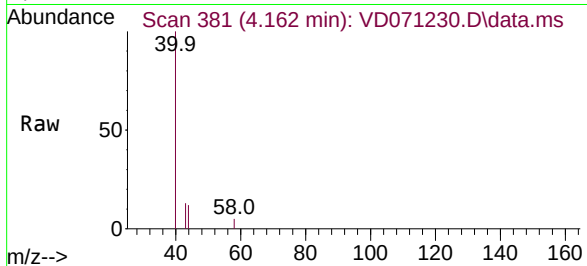




#16
Acetone
Concen: 34.531 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

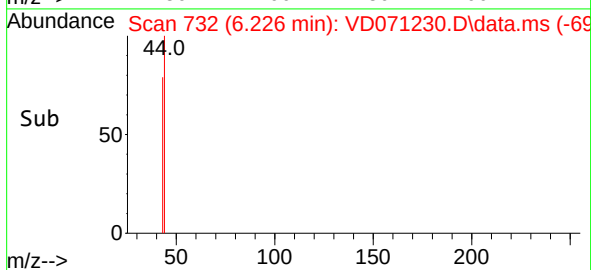
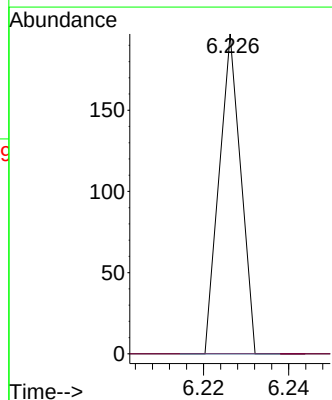
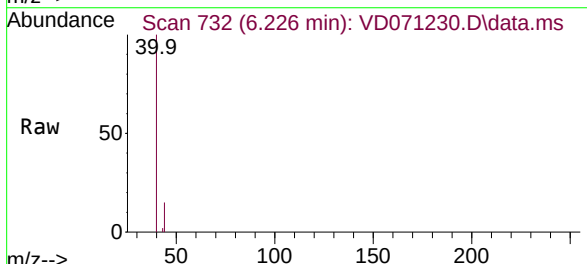
Instrument :
MSVOA_D
ClientSampleId :

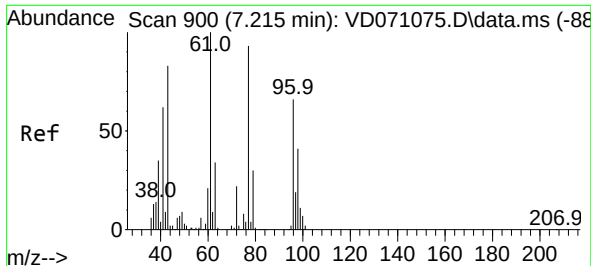
Tgt Ion: 43 Resp: 1364
Ion Ratio Lower Upper
43 100
58 36.3 27.8 41.8



#23
Vinyl Acetate
Concen: 27.250 ug/l
RT: 6.226 min Scan# 732
Delta R.T. -0.083 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

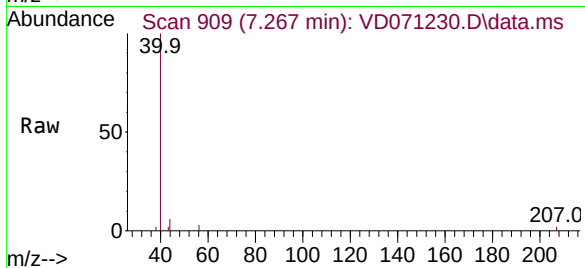
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



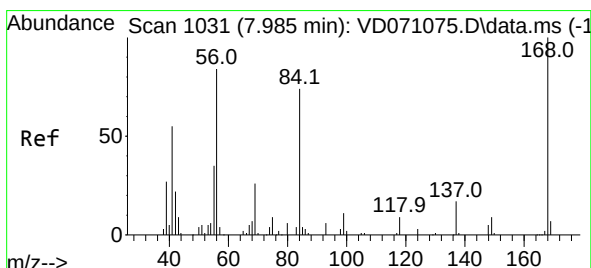
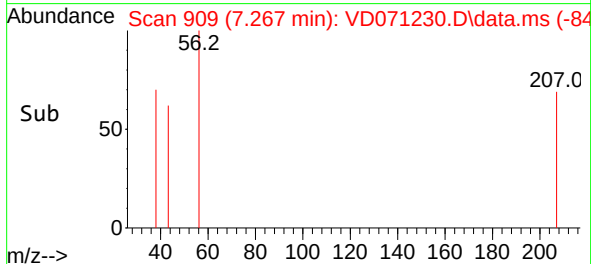
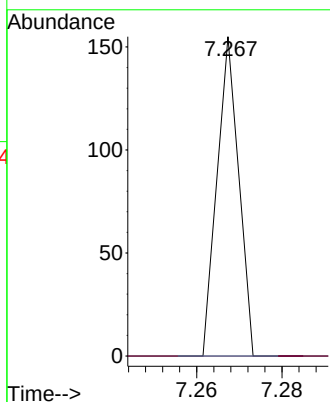


#25
2-Butanone
Concen: 28.491 ug/l
RT: 7.267 min Scan# 90
Delta R.T. 0.052 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

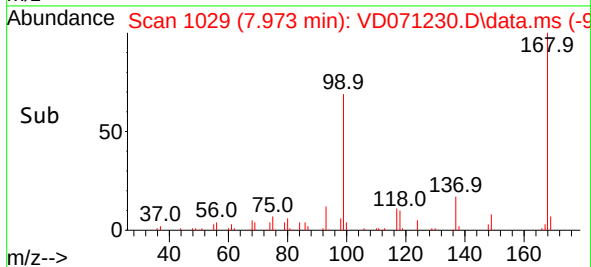
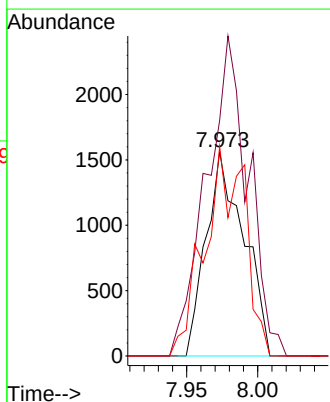
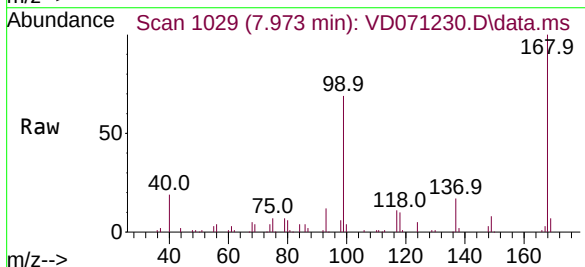


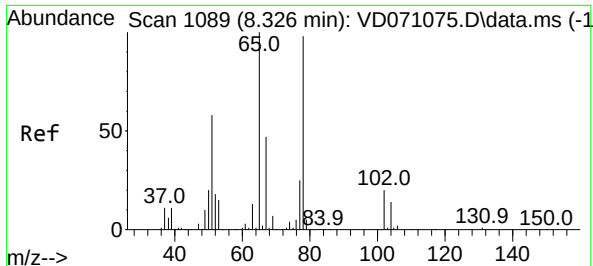
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

Tgt Ion: 56 Resp: 2894
Ion Ratio Lower Upper
56 100
69 104.8 25.9 38.9#
84 102.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 63.688 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071230.D

Acq: 09 Dec 2021 16:07

Instrument :

MSVOA_D

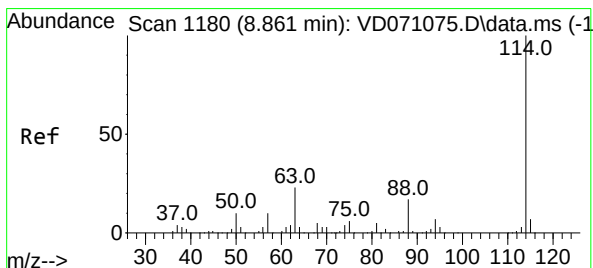
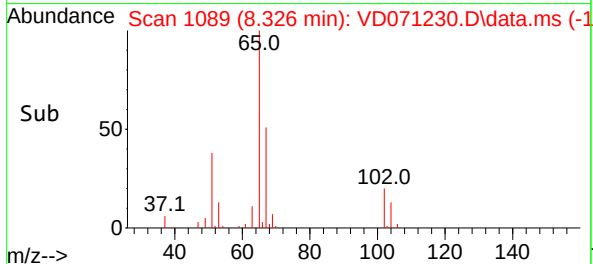
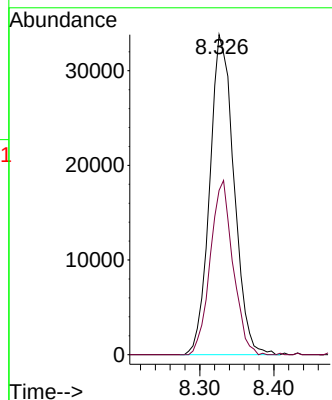
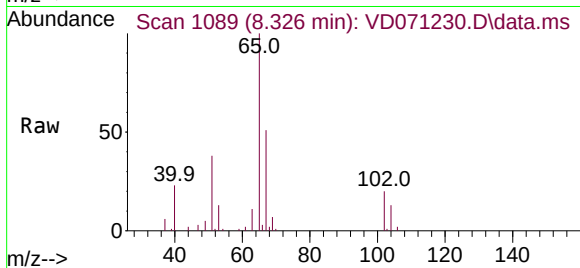
ClientSampleId :

Tgt Ion: 65 Resp: 76801

Ion Ratio Lower Upper

65 100

67 51.0 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: VD071230.D

Acq: 09 Dec 2021 16:07

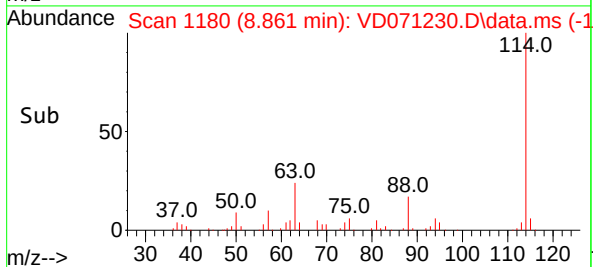
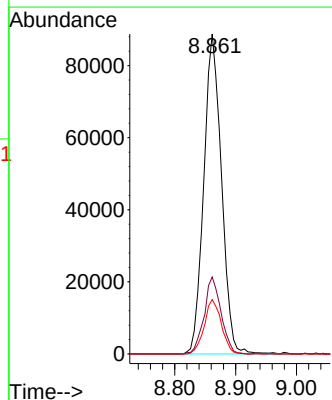
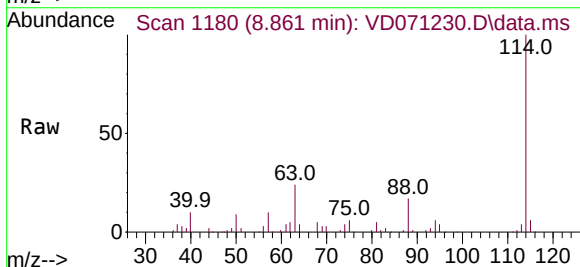
Tgt Ion: 114 Resp: 179325

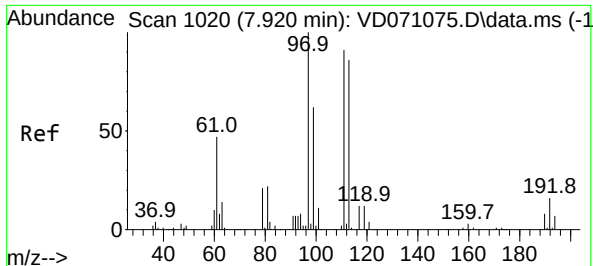
Ion Ratio Lower Upper

114 100

63 24.1 0.0 41.8

88 17.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 55.279 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071230.D

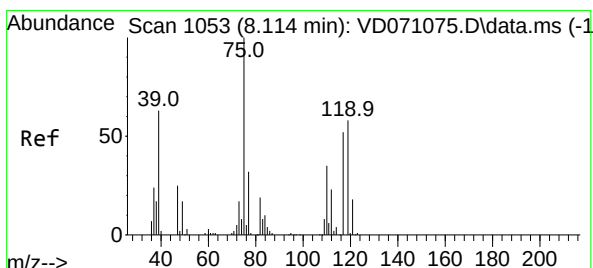
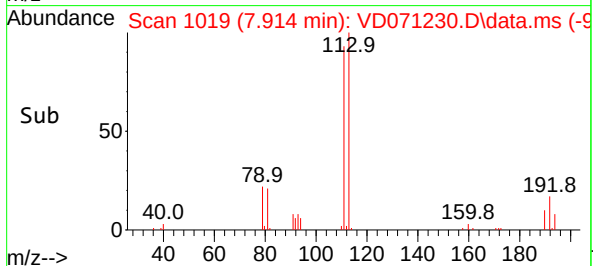
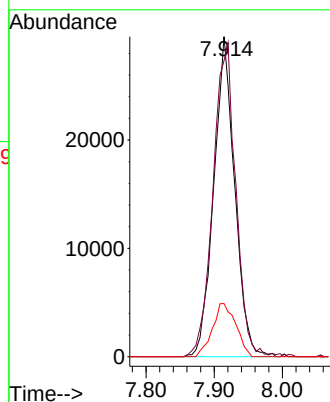
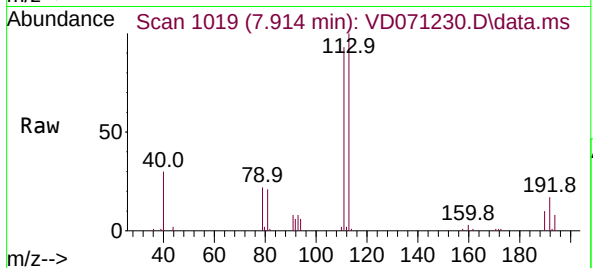
Acq: 09 Dec 2021 16:07

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	113	Resp:	63124
Ion	Ratio	Lower	Upper
113	100		
111	106.1	82.0	123.0
192	18.5	15.2	22.8



#36

1,1-Dichloropropene

Concen: 5.867 ug/l

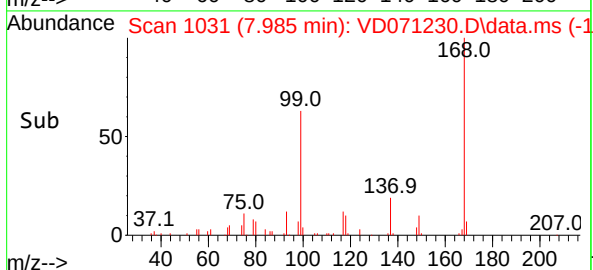
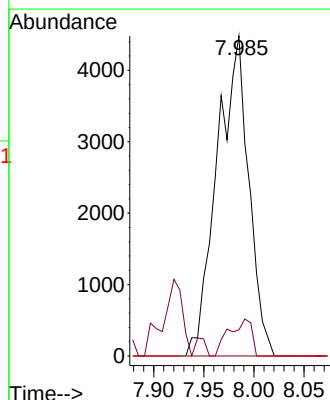
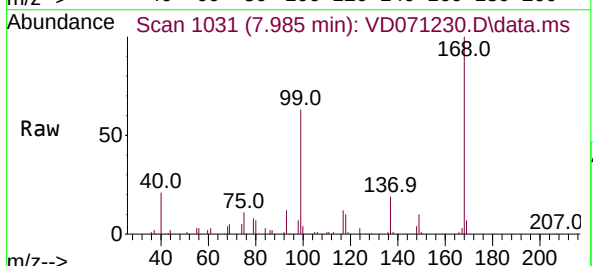
RT: 7.985 min Scan# 1031

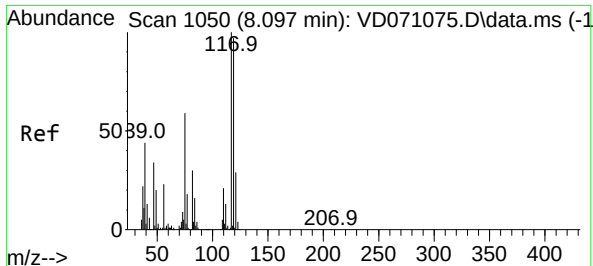
Delta R.T. -0.129 min

Lab File: VD071230.D

Acq: 09 Dec 2021 16:07

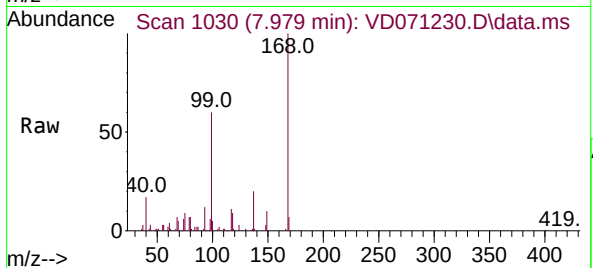
Tgt Ion:	75	Resp:	9834
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.4#
77	0.0	24.8	37.2#



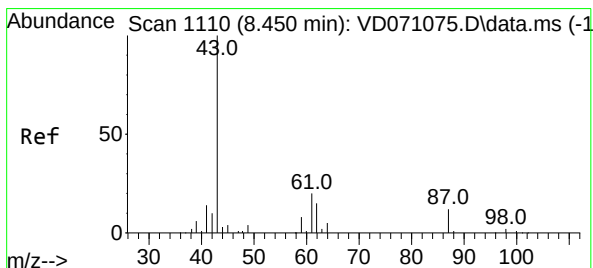
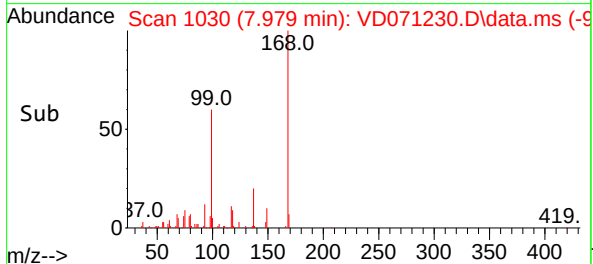
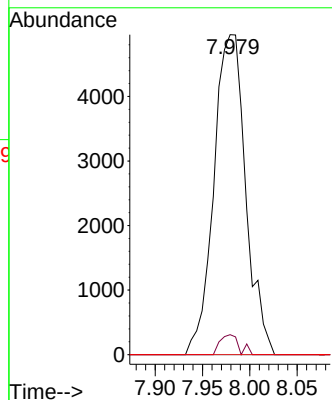


#38
Carbon Tetrachloride
Concen: 7.036 ug/l
RT: 7.979 min Scan# 11624
Delta R.T. -0.118 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

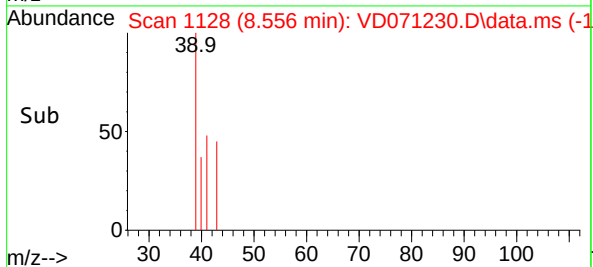
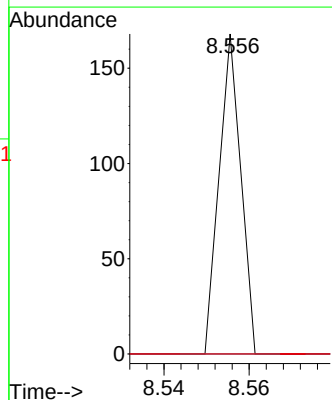
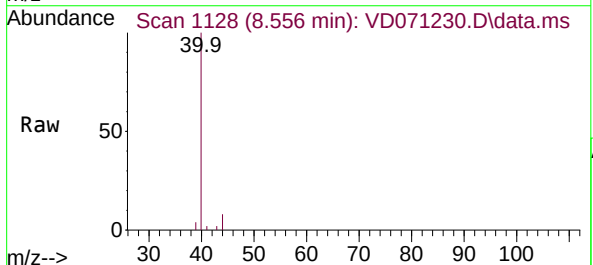


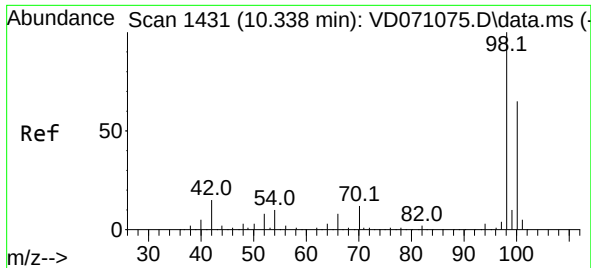
Tgt Ion:117 Resp: 11624
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.256 ug/l
RT: 8.556 min Scan# 1128
Delta R.T. 0.106 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

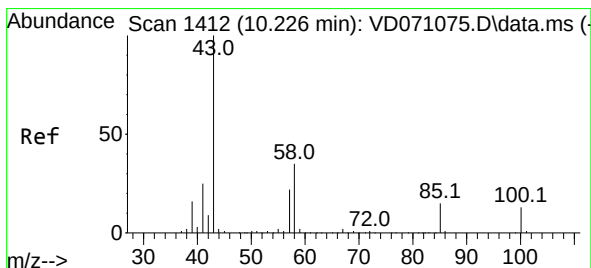
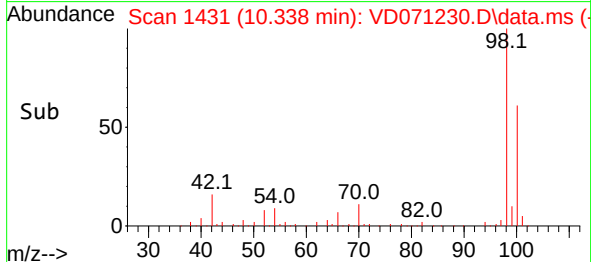
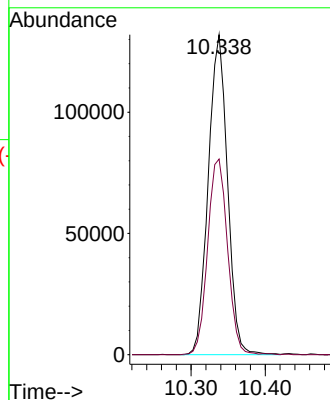
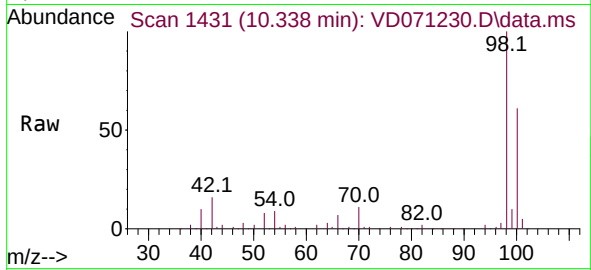




#50
Toluene-d8
Concen: 54.694 ug/l
RT: 10.338 min Scan# 1411
Delta R.T. -0.000 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

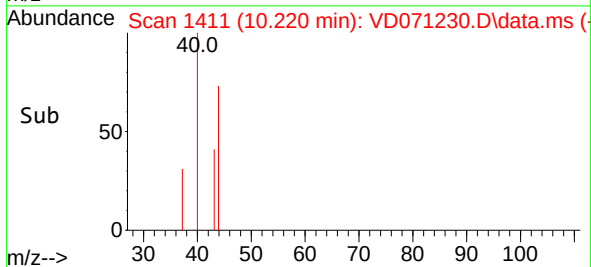
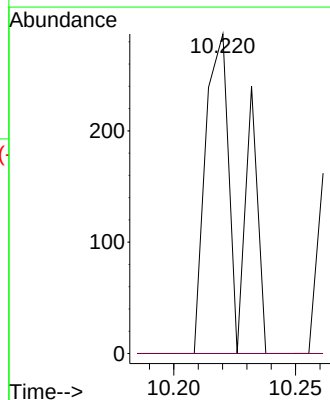
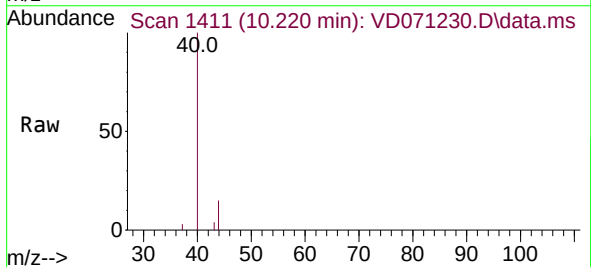
Instrument :
MSVOA_D
ClientSampleId :

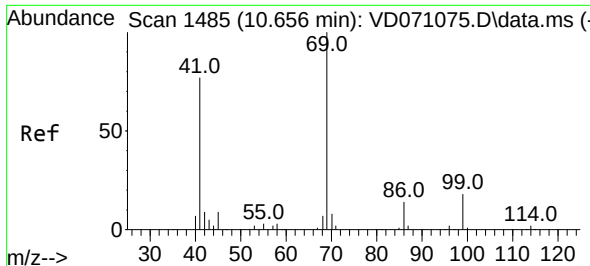
Tgt Ion: 98 Resp: 237678
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.942 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

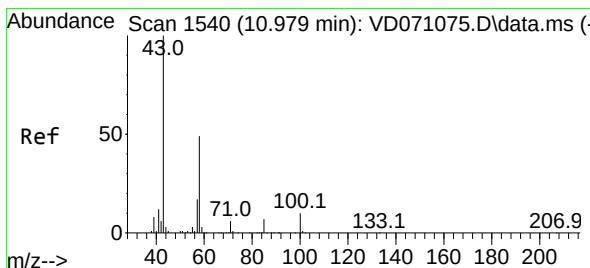
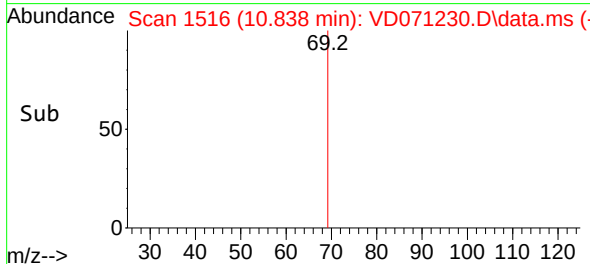
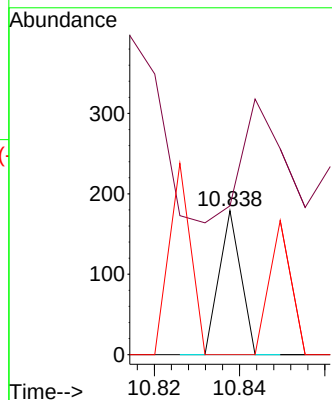
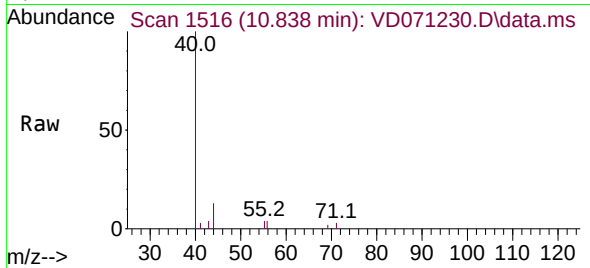




#56
Ethyl methacrylate
Concen: 6.018 ug/l
RT: 10.838 min Scan# 11
Delta R.T. 0.182 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

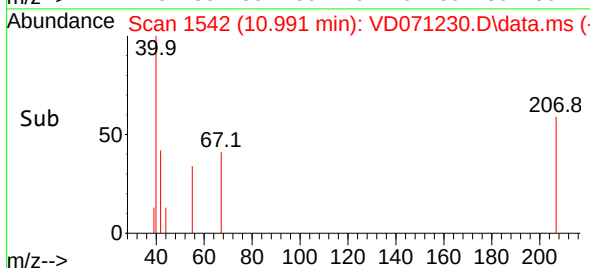
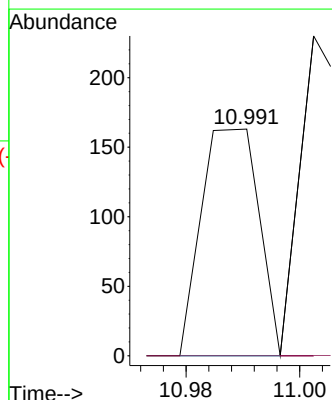
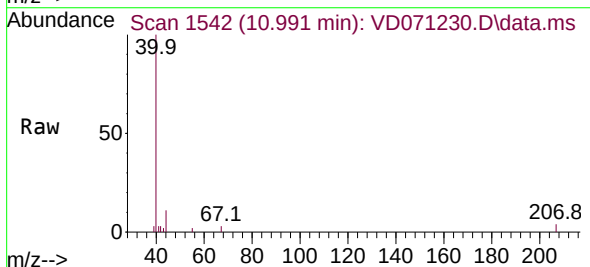
Instrument :
MSVOA_D
ClientSampleId :

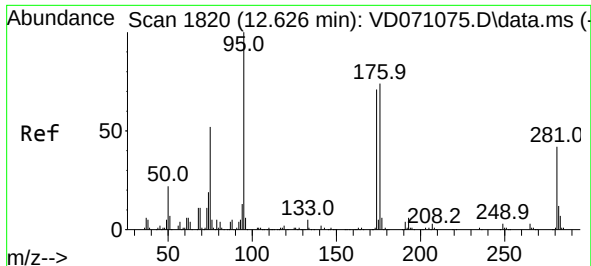
Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 658.7 50.2 75.2#
39 93.7 19.8 29.8#



#59
2-Hexanone
Concen: 34.735 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

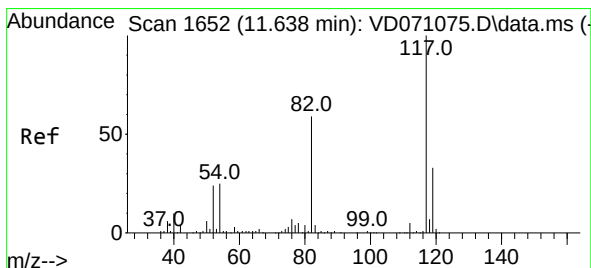
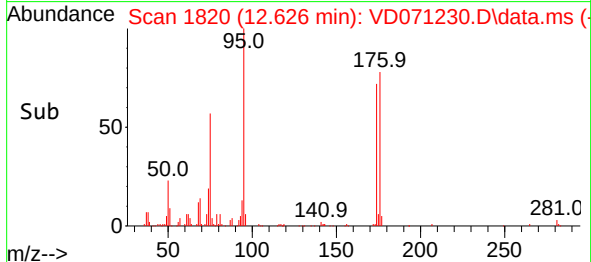
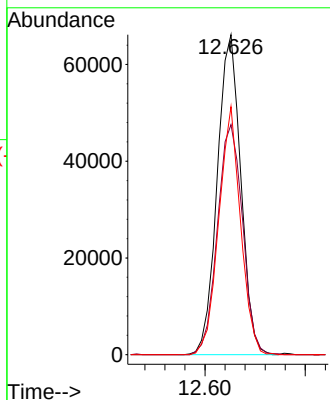
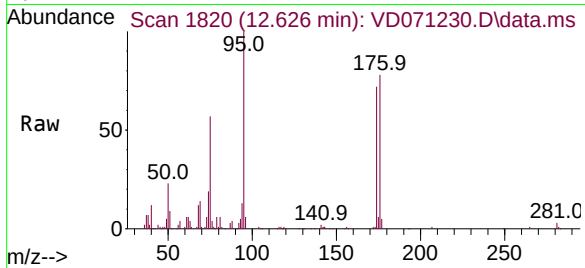




#62
4-Bromofluorobenzene
Concen: 71.346 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

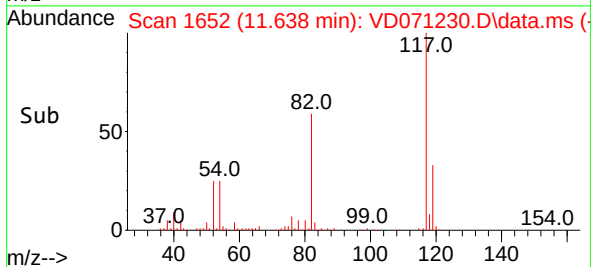
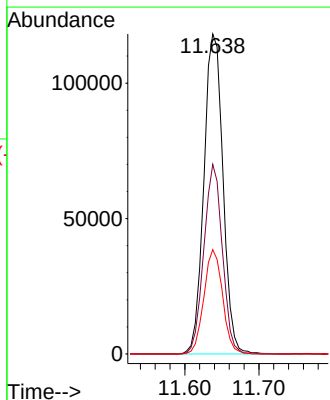
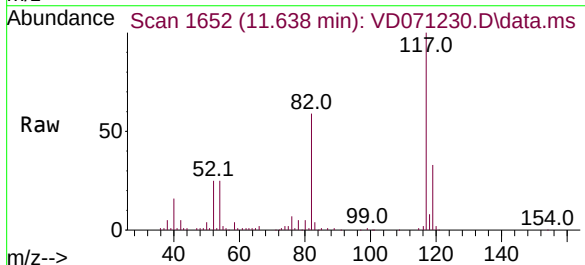
Instrument :
MSVOA_D
ClientSampleId :

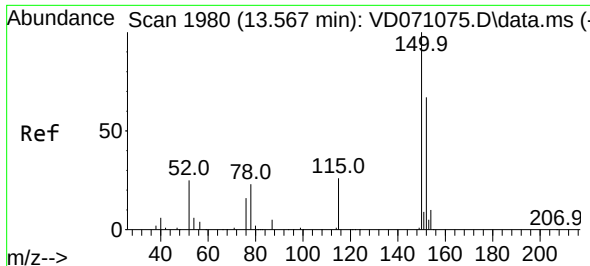
Tgt Ion: 95 Resp: 107472
Ion Ratio Lower Upper
95 100
174 76.7 0.0 159.4
176 72.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

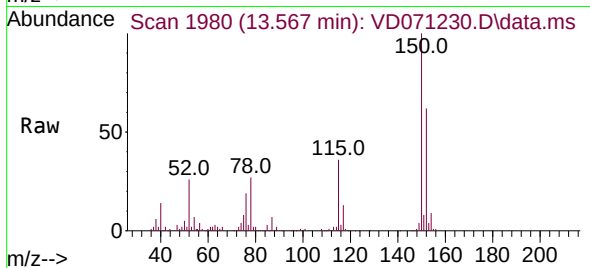
Tgt Ion: 117 Resp: 211473
Ion Ratio Lower Upper
117 100
82 59.2 44.7 67.1
119 32.6 26.2 39.4



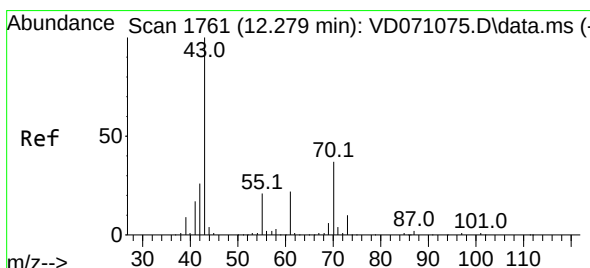
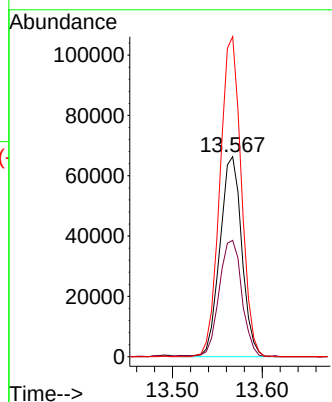
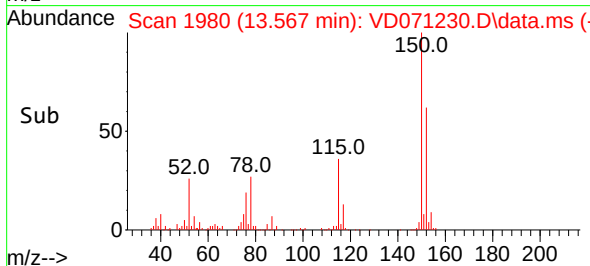


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

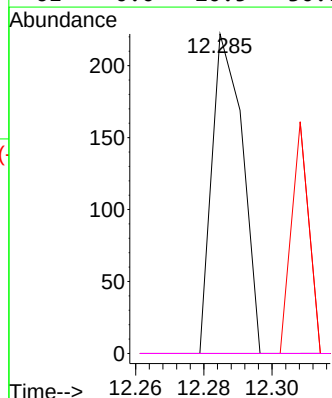
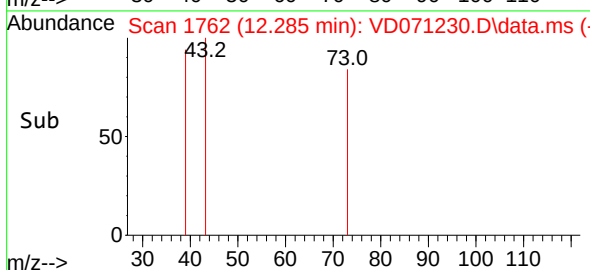
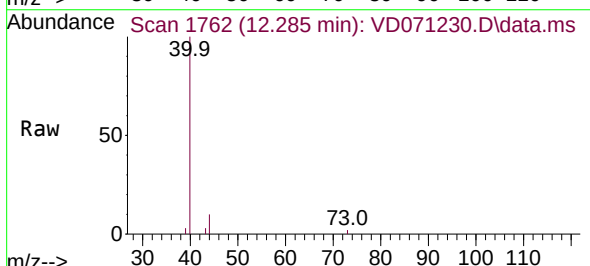


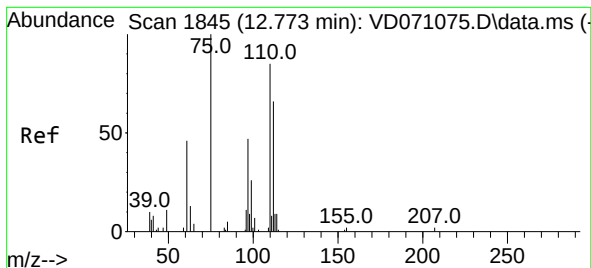
Tgt Ion:152 Resp: 112253
Ion Ratio Lower Upper
152 100
115 60.2 29.8 89.3
150 156.1 0.0 349.2



#74
N-ethyl acetate
Concen: 5.756 ug/l
RT: 12.285 min Scan# 1762
Delta R.T. 0.006 min
Lab File: VD071230.D
Acq: 09 Dec 2021 16:07

Tgt Ion: 43 Resp: 138
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#

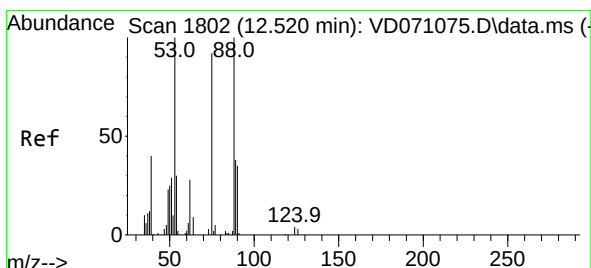
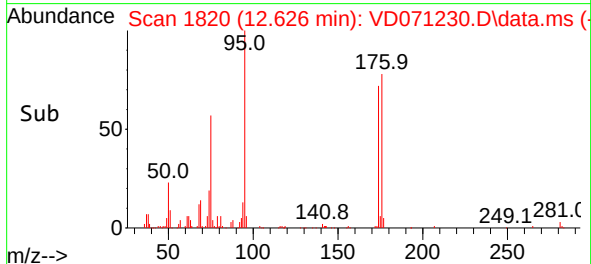
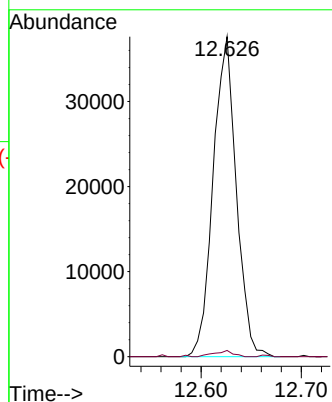
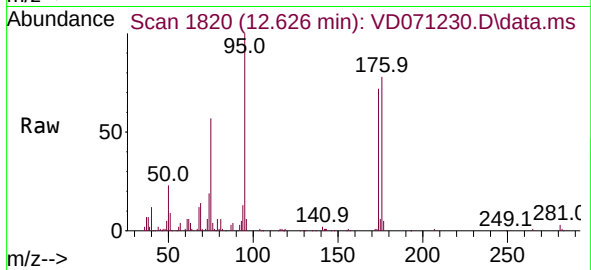




#76
 1,2,3-Trichloropropane
 Concen: 56.340 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071230.D
 Acq: 09 Dec 2021 16:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 60255
 Ion Ratio Lower Upper
 75 100
 77 1.6 158.4 475.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.331 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD071230.D
 Acq: 09 Dec 2021 16:07

Tgt Ion: 75 Resp: 60255
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

