

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073284.D
 Acq On : 23 May 2022 15:46
 Operator : VA/SY
 Sample : N2960-03
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BIN-4-SP-2

Quant Time: May 24 03:27:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

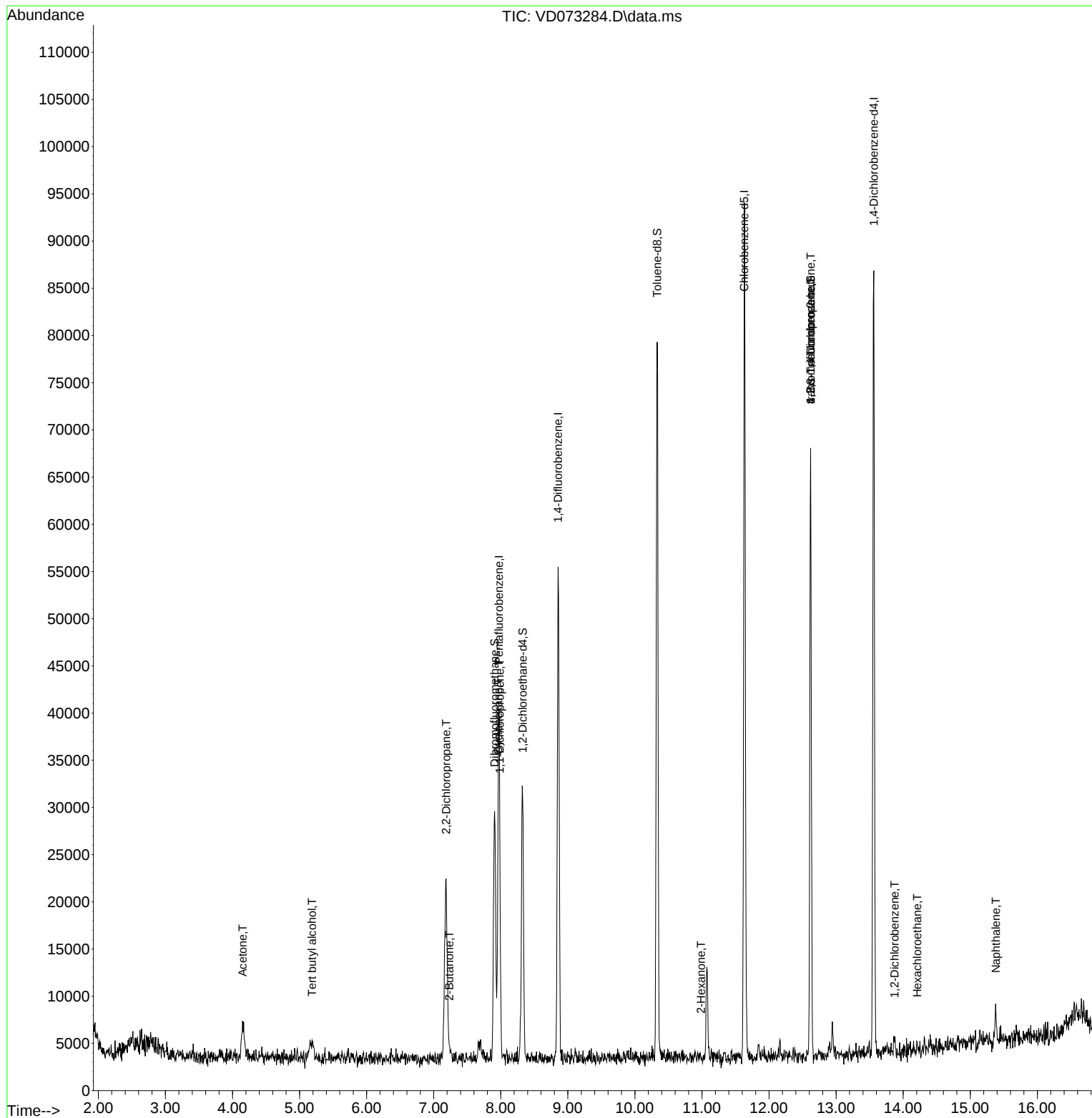
Internal Standards						
1) Pentafluorobenzene	7.973	168	26353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	42914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	51440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	22423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	23109	79.347	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 158.700%	
35) Dibromofluoromethane	7.908	113	18899	66.740	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 133.480%	
50) Toluene-d8	10.332	98	55559	53.225	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.440%	
62) 4-Bromofluorobenzene	12.620	95	21321	58.201	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.185	59	1516	33.551	ug/l #	74
16) Acetone	4.150	43	7193	142.590	ug/l	99
20) Methylene Chloride	4.956	84	423	Below Cal	#	54
25) 2-Butanone	7.232	43	168	2.276	ug/l #	52
26) 2,2-Dichloropropane	7.185	77	1000	2.039	ug/l #	54
31) Cyclohexane	7.961	56	644	1.265	ug/l #	11
36) 1,1-Dichloropropene	7.985	75	2408	5.654	ug/l #	45
59) 2-Hexanone	10.985	43	125	1.174	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	10398	47.262	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	10398	113.461	ug/l #	7
90) Hexachloroethane	14.208	117	360	1.225	ug/l #	17
91) 1,2-Dichlorobenzene	13.873	146	708	1.079	ug/l #	75
95) Naphthalene	15.384	128	2882	7.191	ug/l #	95

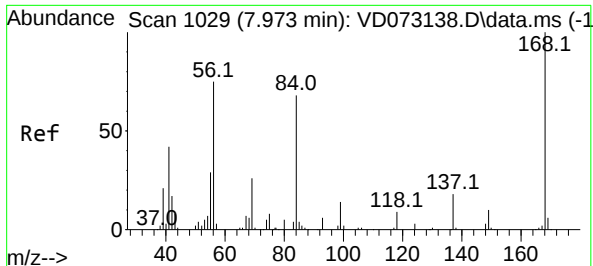
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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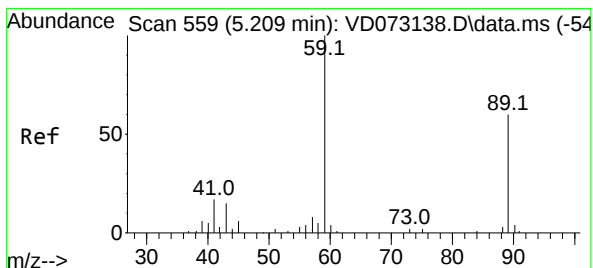
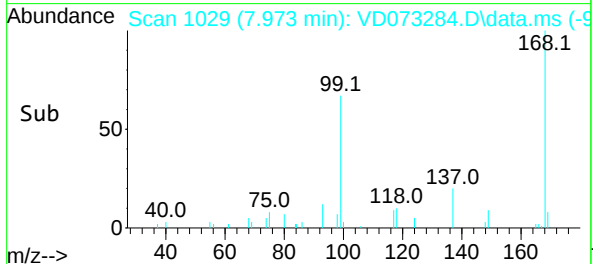
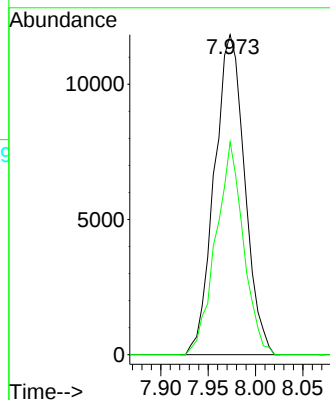
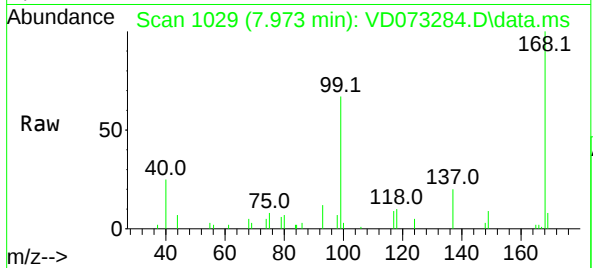




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

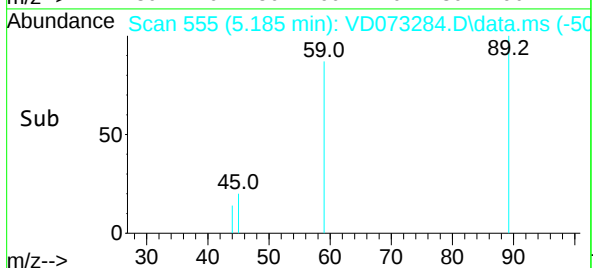
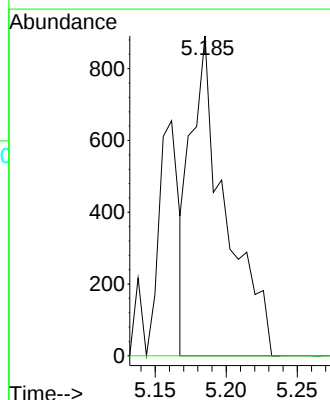
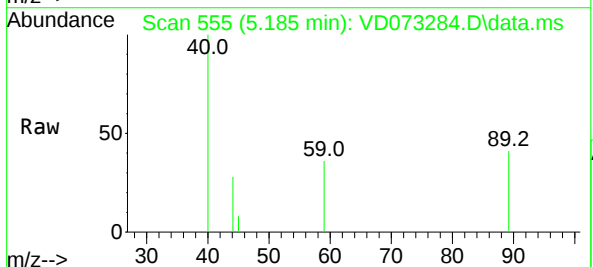
Instrument :
MSVOA_D
ClientSampleId :
BIN-4-SP-2

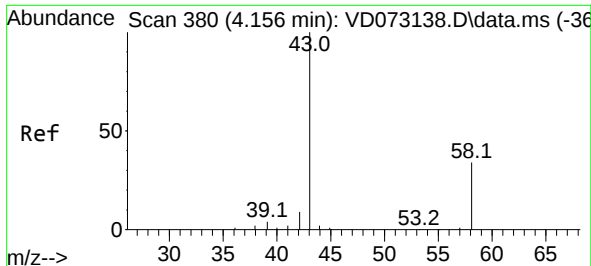
Tgt Ion:168 Resp: 26353
Ion Ratio Lower Upper
168 100
99 66.5 49.8 74.6



#11
Tert butyl alcohol
Concen: 33.551 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.024 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

Tgt Ion: 59 Resp: 1516
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

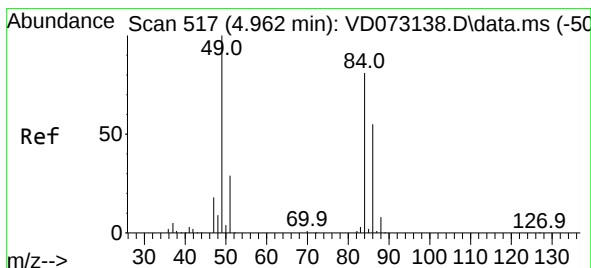
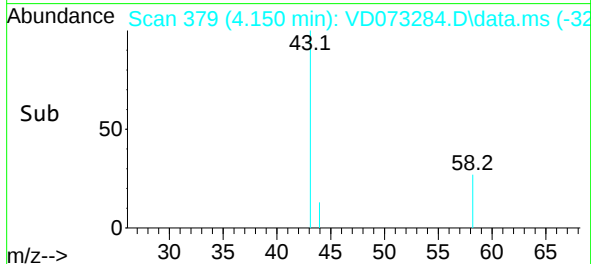
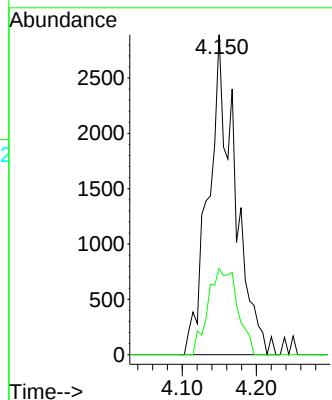
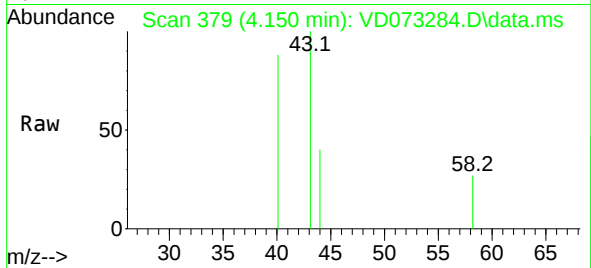




#16
Acetone
Concen: 142.590 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

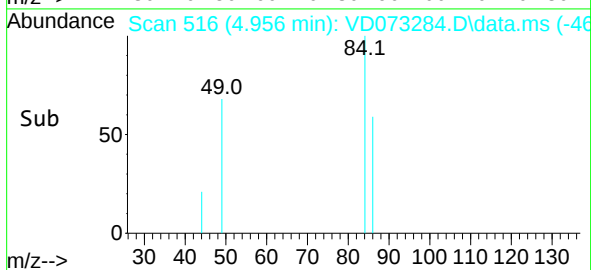
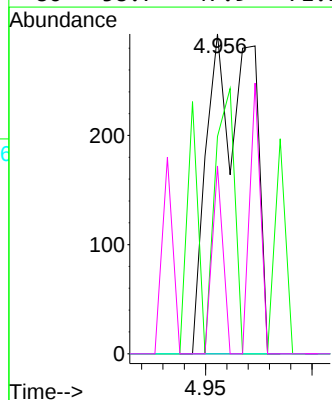
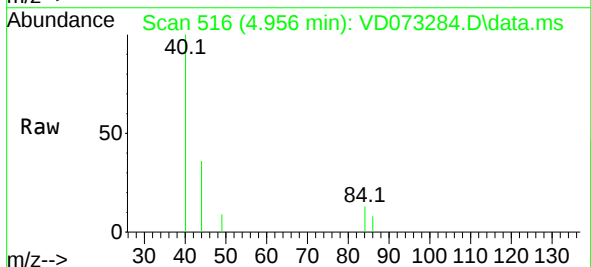
Instrument :
MSVOA_D
ClientSampleId :
BIN-4-SP-2

Tgt Ion: 43 Resp: 7193
Ion Ratio Lower Upper
43 100
58 26.8 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

Tgt Ion: 84 Resp: 423
Ion Ratio Lower Upper
84 100
49 67.9 112.8 169.2#
51 0.0 32.6 48.8#
86 58.7 47.9 71.9

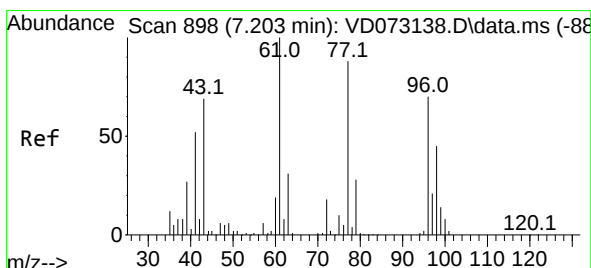
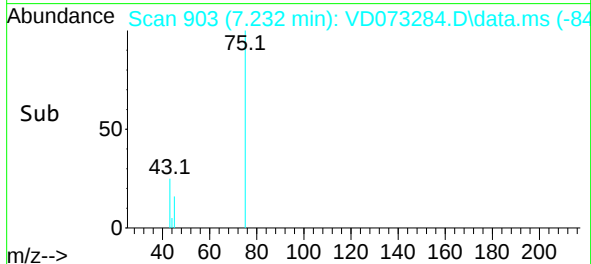
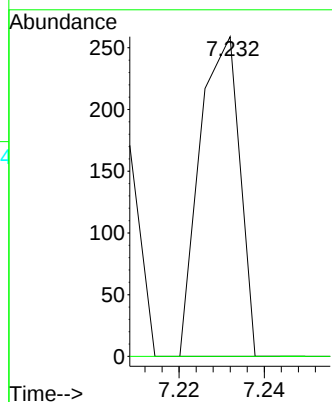
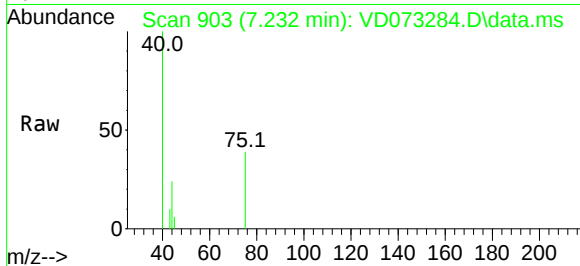




#25
2-Butanone
Concen: 2.276 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.024 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

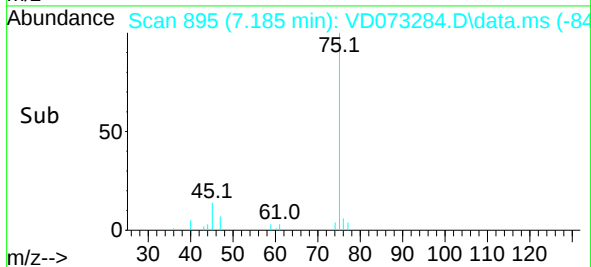
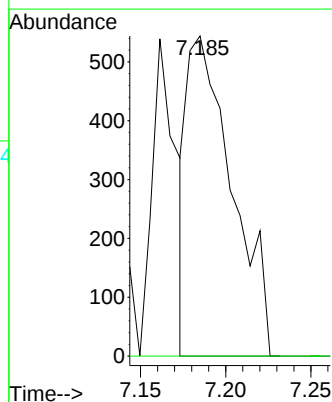
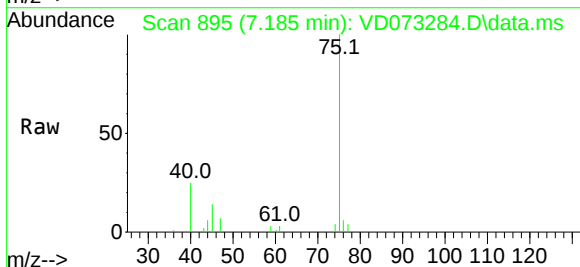
Instrument :
MSVOA_D
ClientSampleId :
BIN-4-SP-2

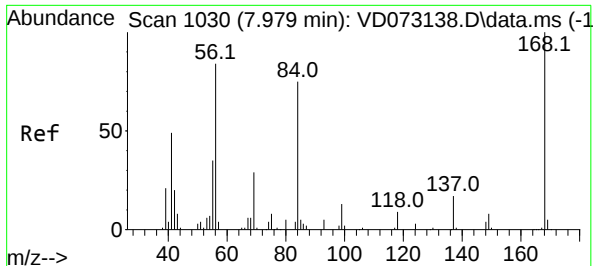
Tgt Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#26
2,2-Dichloropropane
Concen: 2.039 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.018 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

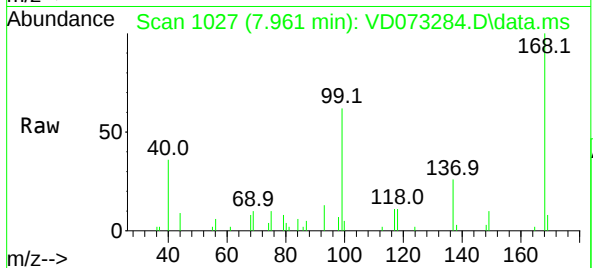
Tgt Ion: 77 Resp: 1000
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#





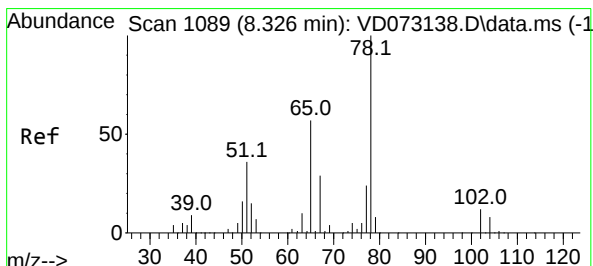
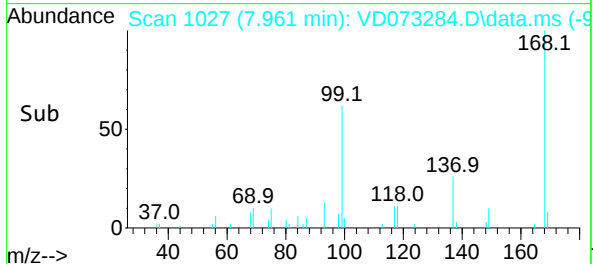
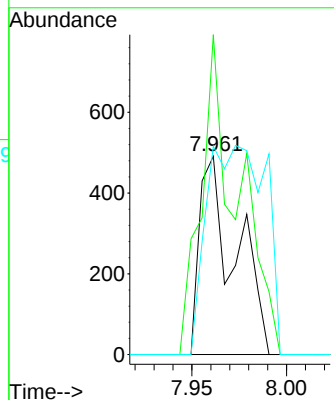
#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

Instrument :
MSVOA_D
ClientSampleId :
BIN-4-SP-2



Tgt Ion: 56 Resp: 644

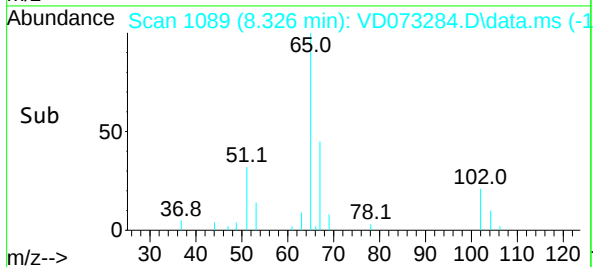
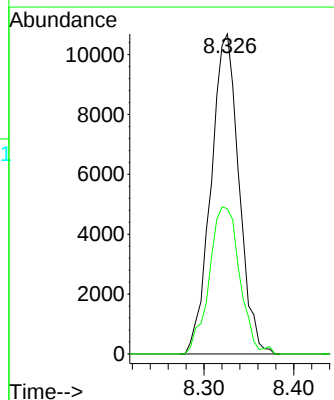
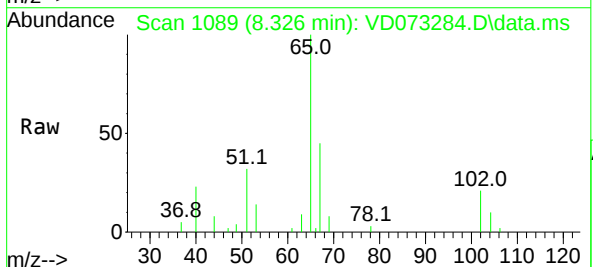
Ion	Ratio	Lower	Upper
56	100		
69	161.3	25.4	38.2#
84	105.1	63.0	94.4#



#33
1,2-Dichloroethane-d4
Concen: 79.347 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

Tgt Ion: 65 Resp: 23109

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	101.4

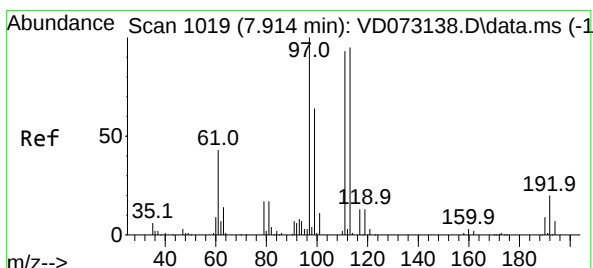
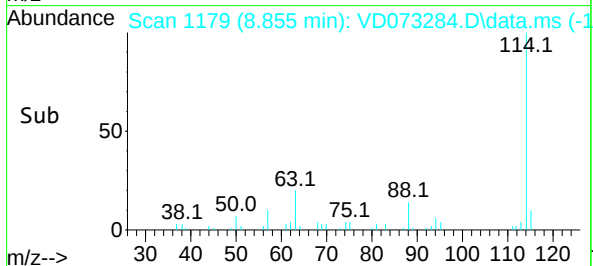
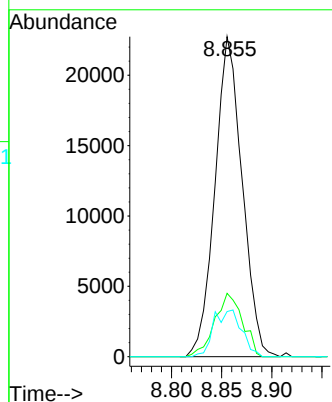
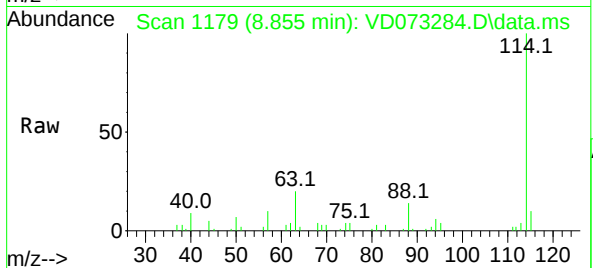




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

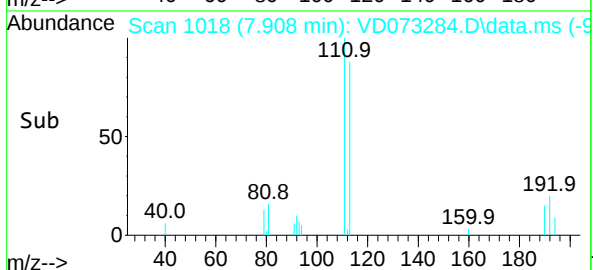
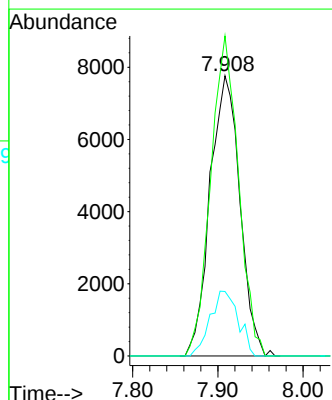
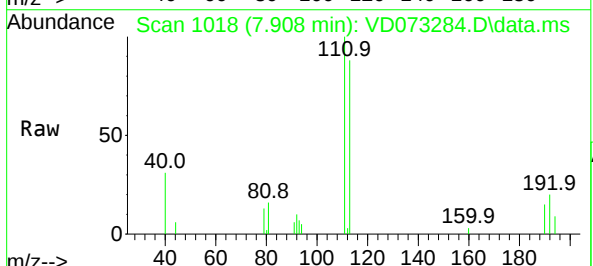
Instrument :
MSVOA_D
ClientSampleId :
BIN-4-SP-2

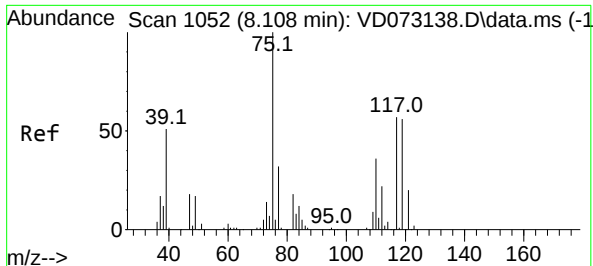
Tgt Ion:	114	Resp:	42914
Ion Ratio	Lower	Upper	
114	100		
63	19.8	0.0	46.6
88	14.1	0.0	33.2



#35
Dibromofluoromethane
Concen: 66.740 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

Tgt Ion:	113	Resp:	18899
Ion Ratio	Lower	Upper	
113	100		
111	106.5	83.8	125.6
192	21.8	14.6	21.8





#36

1,1-Dichloropropene

Concen: 5.654 ug/l

RT: 7.985 min Scan# 1052

Delta R.T. -0.123 min

Lab File: VD073284.D

Acq: 23 May 2022 15:46

Instrument :

MSVOA_D

ClientSampleId :

BIN-4-SP-2

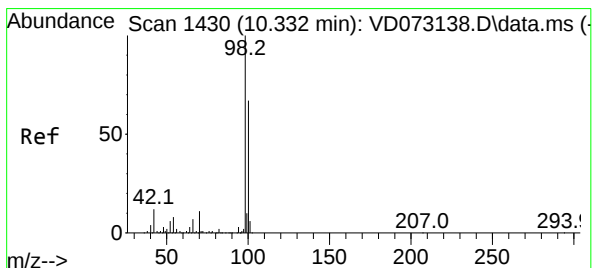
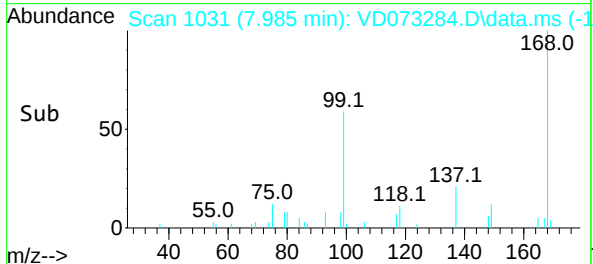
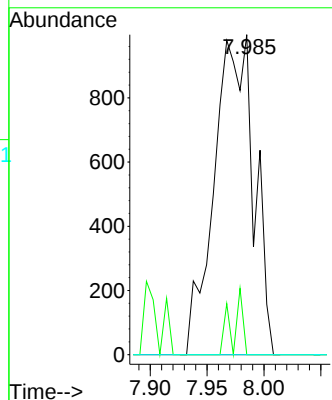
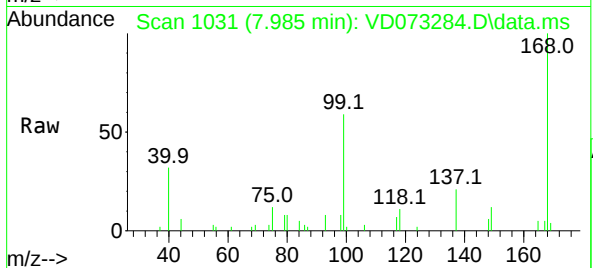
Tgt Ion: 75 Resp: 2408

Ion Ratio Lower Upper

75 100

110 2.3 16.4 49.1#

77 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 53.225 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073284.D

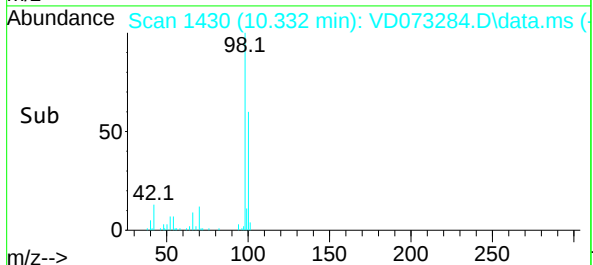
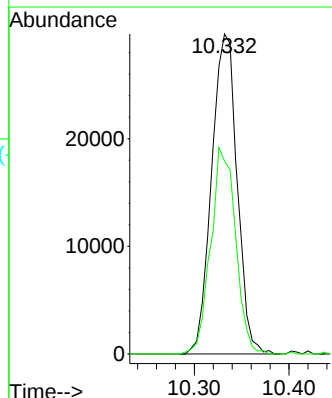
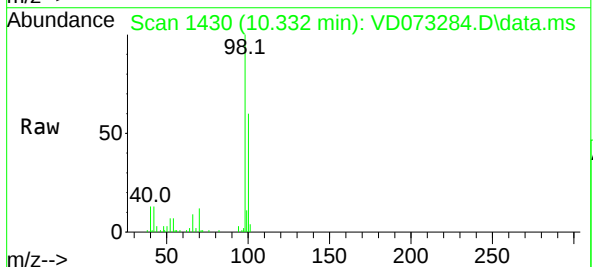
Acq: 23 May 2022 15:46

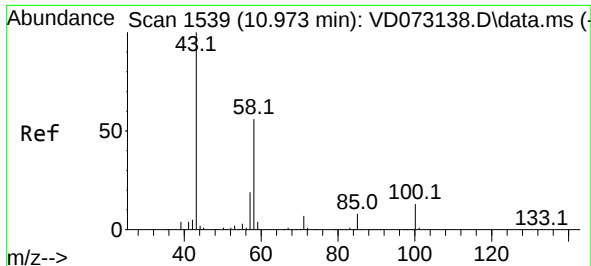
Tgt Ion: 98 Resp: 55559

Ion Ratio Lower Upper

98 100

100 62.9 52.4 78.6





#59

2-Hexanone

Concen: 1.174 ug/l

RT: 10.985 min Scan# 11

Delta R.T. 0.012 min

Lab File: VD073284.D

Acq: 23 May 2022 15:46

Instrument :

MSVOA_D

ClientSampleId :

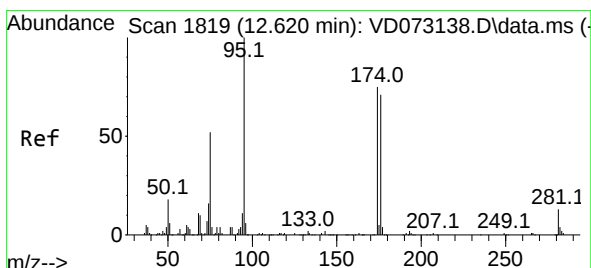
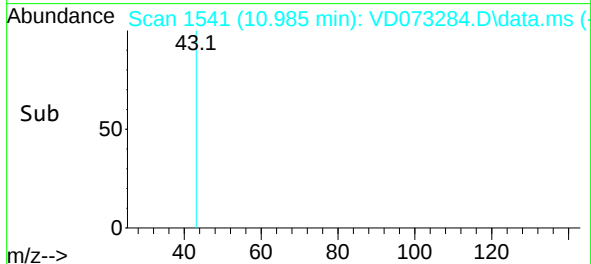
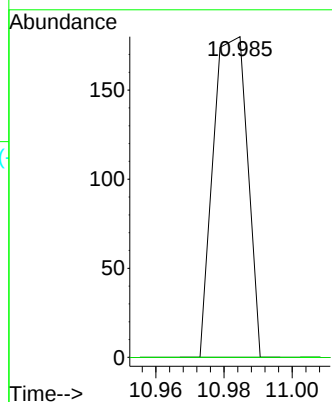
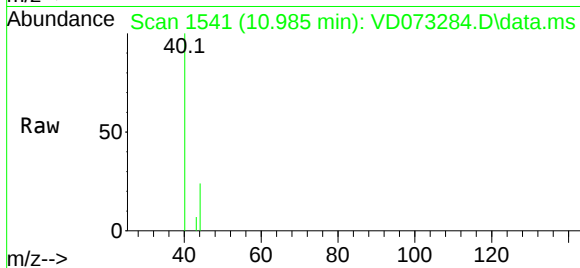
BIN-4-SP-2

Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

43 100

58 0.0 25.3 75.9#



#62

4-Bromofluorobenzene

Concen: 58.201 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD073284.D

Acq: 23 May 2022 15:46

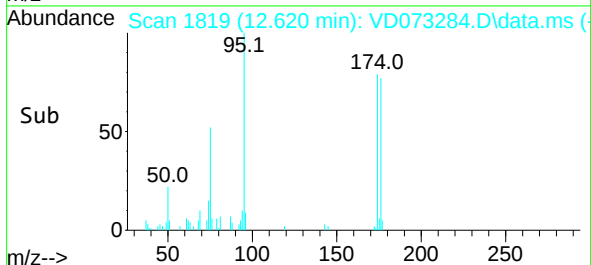
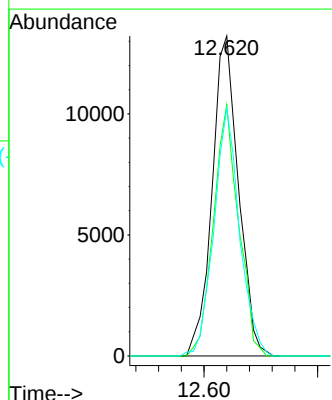
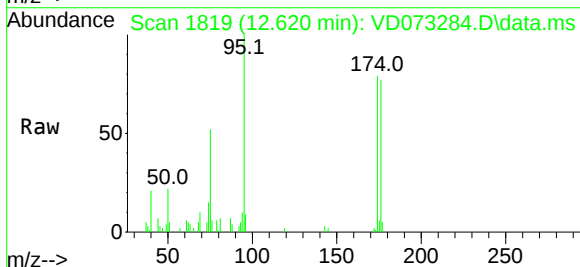
Tgt Ion: 95 Resp: 21321

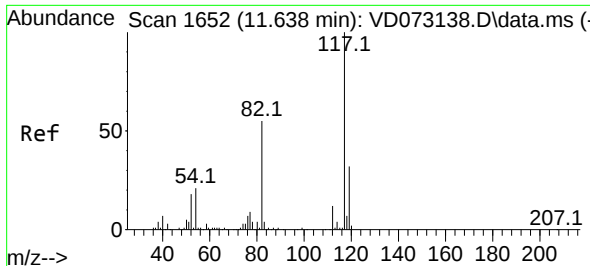
Ion Ratio Lower Upper

95 100

174 74.8 0.0 152.8

176 75.2 0.0 145.4

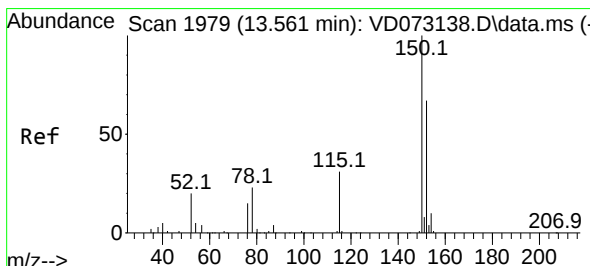
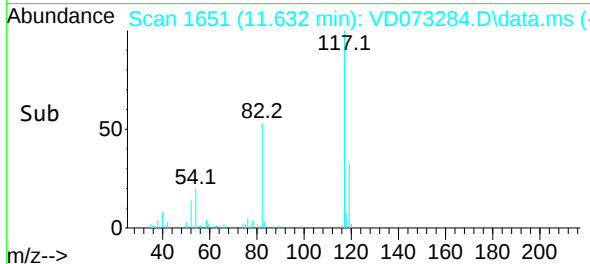
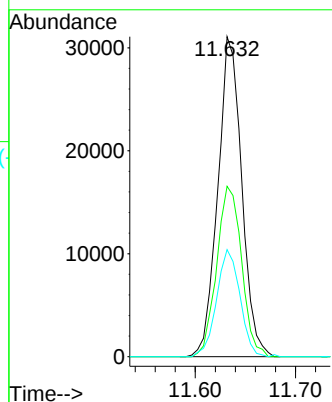
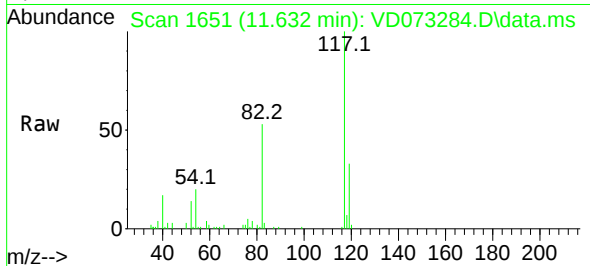




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

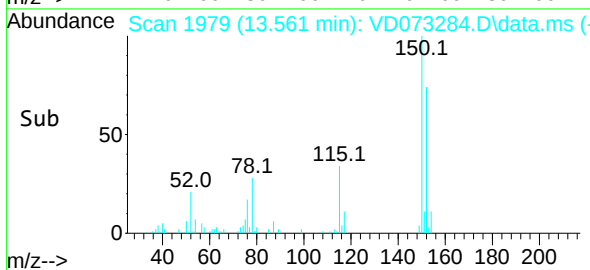
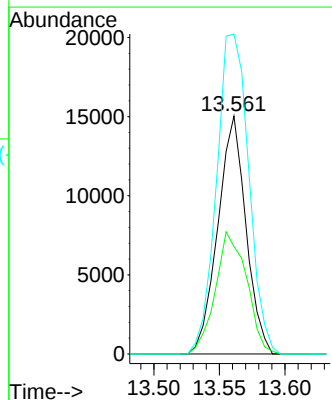
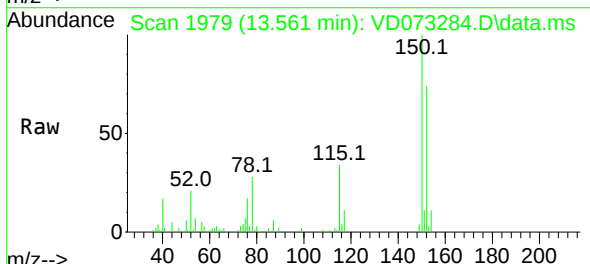
Instrument :
MSVOA_D
ClientSampleId :
BIN-4-SP-2

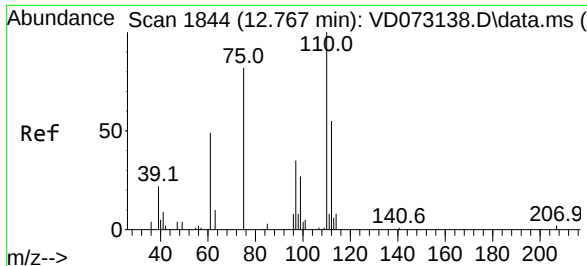
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.3	67.9
119	33.5	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	31.3	93.8
150	154.0	0.0	348.6

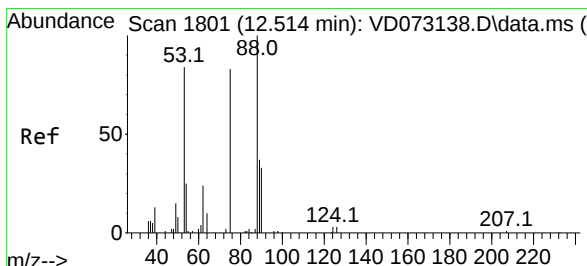
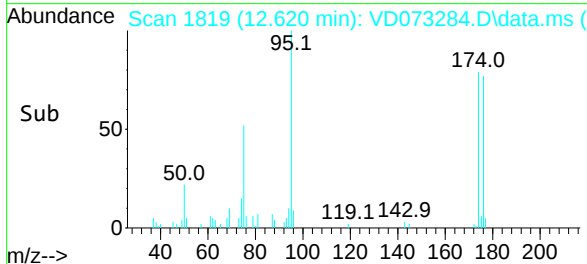
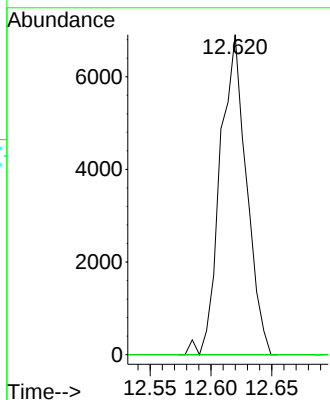
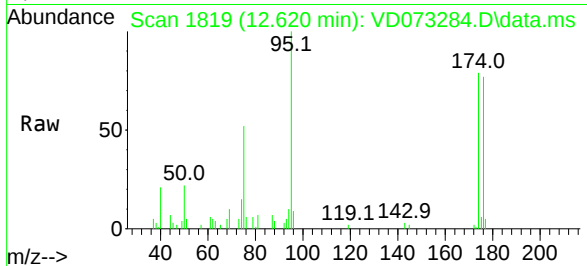




#76
1,2,3-Trichloropropane
Concen: 47.262 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

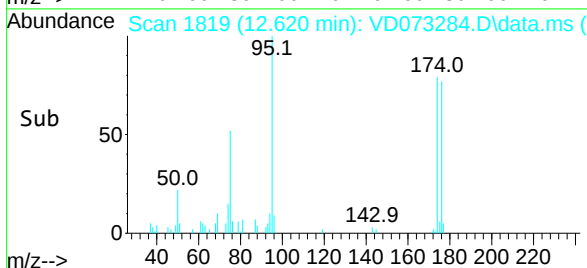
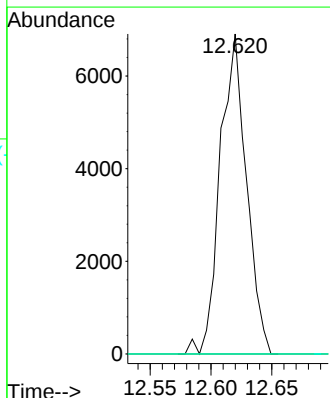
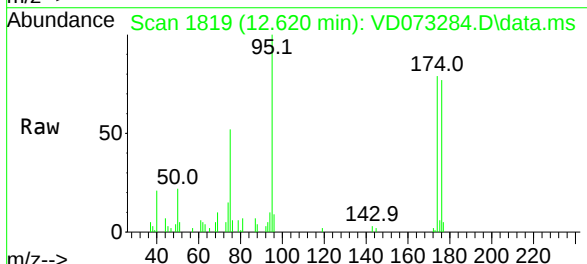
Instrument :
MSVOA_D
ClientSampleId :
BIN-4-SP-2

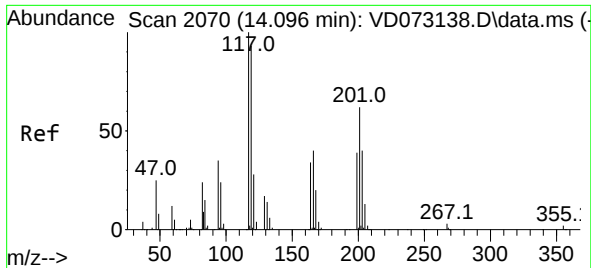
Tgt Ion: 75 Resp: 10398
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 113.461 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

Tgt Ion: 75 Resp: 10398
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

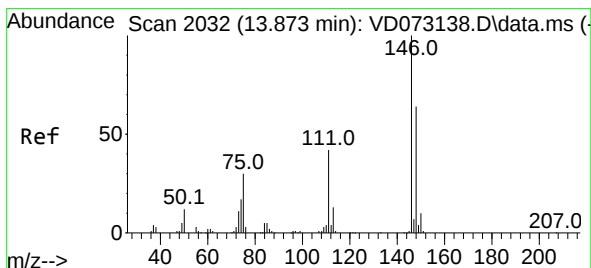
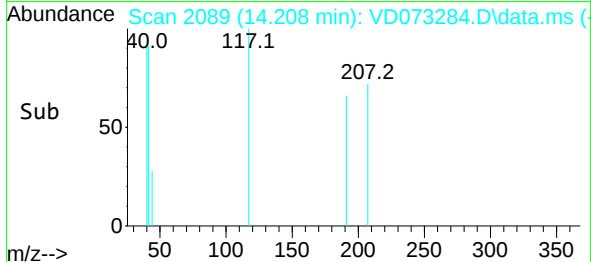
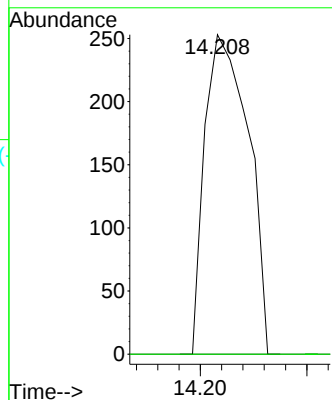
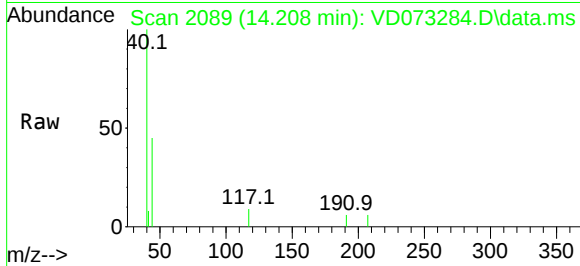




#90
Hexachloroethane
Concen: 1.225 ug/l
RT: 14.208 min Scan# 2070
Delta R.T. 0.112 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

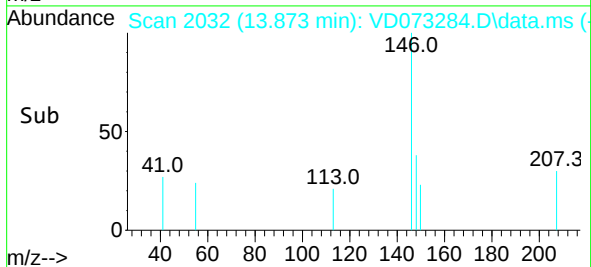
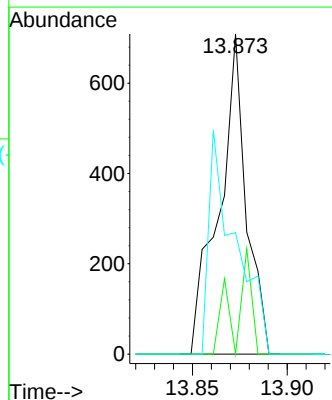
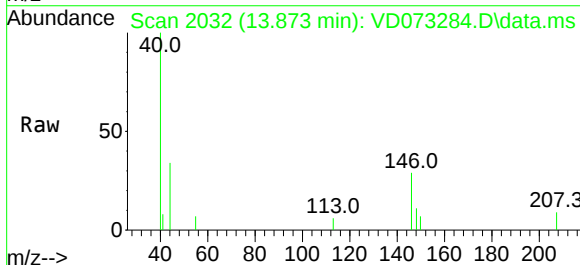
Instrument :
MSVOA_D
ClientSampleId :
BIN-4-SP-2

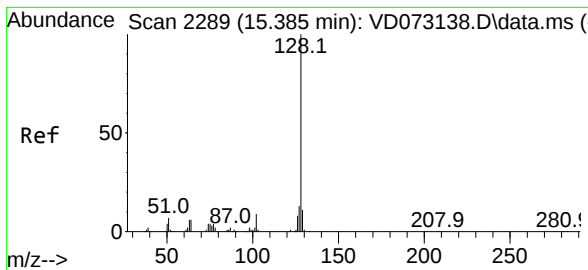
Tgt Ion:117 Resp: 360
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#



#91
1,2-Dichlorobenzene
Concen: 1.079 ug/l
RT: 13.873 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

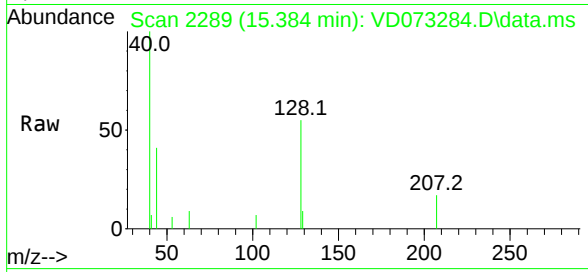
Tgt Ion:146 Resp: 708
Ion Ratio Lower Upper
146 100
111 8.3 21.1 63.3#
148 67.8 31.7 95.1





#95
Naphthalene
Concen: 7.191 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD073284.D
Acq: 23 May 2022 15:46

Instrument :
MSVOA_D
ClientSampleId :
BIN-4-SP-2



Tgt Ion:	128	Resp:	2882
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.3	15.5
129	13.4	8.4	12.6#

