

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052622\
 Data File : VD073393.D
 Acq On : 26 May 2022 17:32
 Operator : VA/SY
 Sample : N3061-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: May 27 01:32:55 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)

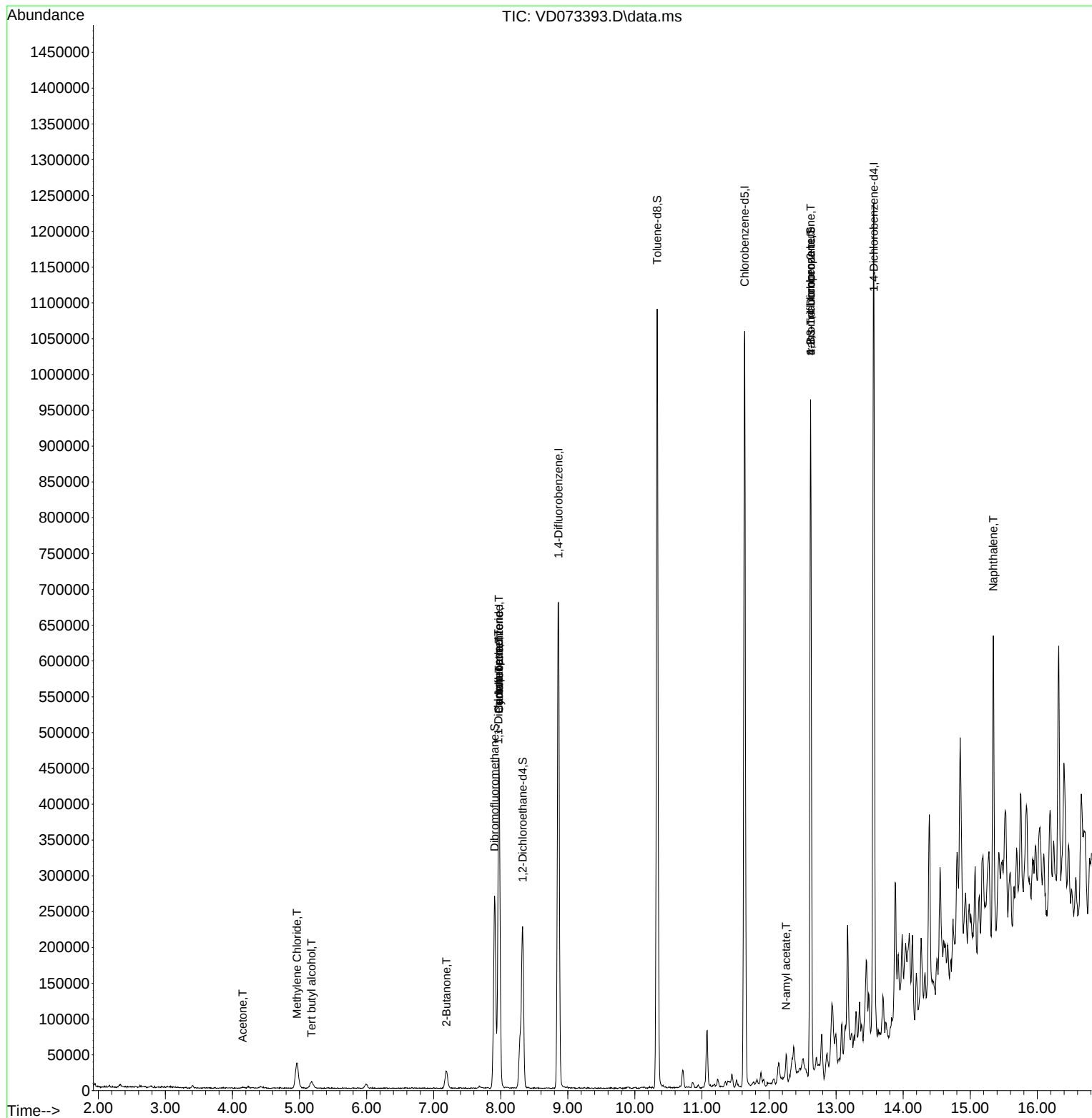
Internal Standards						
1) Pentafluorobenzene	7.973	168	336234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	591499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	639299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	317767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	169493	45.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.220%
35) Dibromofluoromethane	7.908	113	195823	50.171	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.340%
50) Toluene-d8	10.332	98	736592	51.196	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.400%
62) 4-Bromofluorobenzene	12.620	95	304068	60.220	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	120.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	918	Below Cal		98
11) Tert butyl alcohol	5.179	59	8494	14.733	ug/l #	74
16) Acetone	4.150	43	1264	1.964	ug/l	91
20) Methylene Chloride	4.962	84	28345	3.206	ug/l	89
25) 2-Butanone	7.191	43	1364	1.449	ug/l #	52
31) Cyclohexane	7.973	56	7407	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	28439	4.845	ug/l #	51
38) Carbon Tetrachloride	7.973	117	34019	5.717	ug/l #	18
74) N-amyl acetate	12.255	43	8428	1.705	ug/l #	58
76) 1,2,3-Trichloropropane	12.620	75	154195	49.456	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	154195	118.728	ug/l #	7
95) Naphthalene	15.343	128	3987	3.898	ug/l #	1

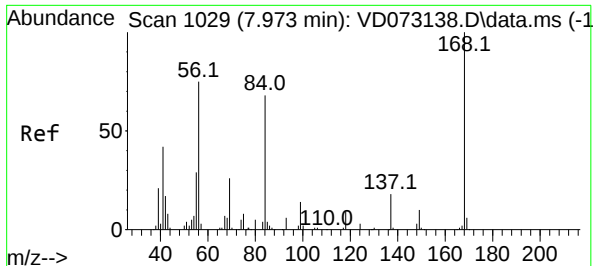
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 27 01:32:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
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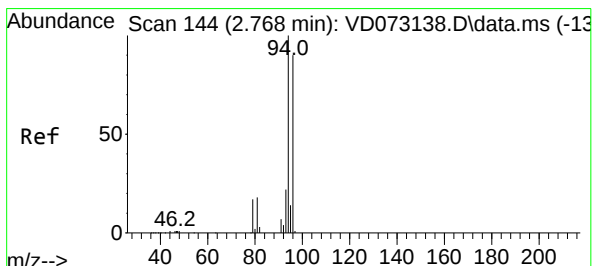
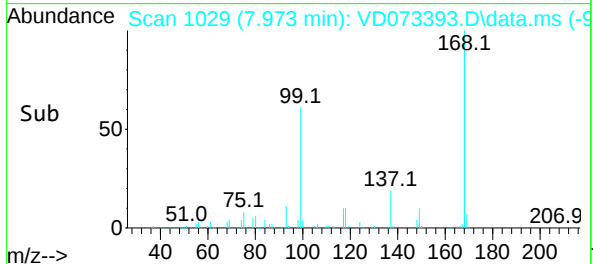
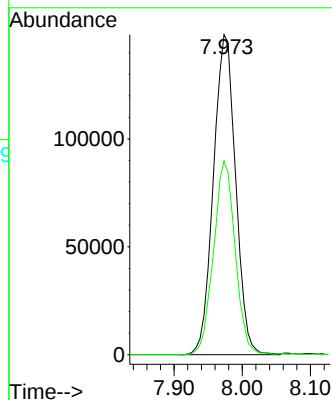
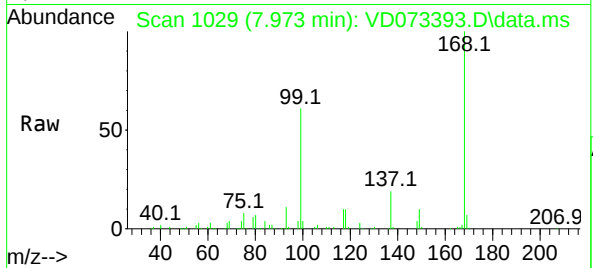




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

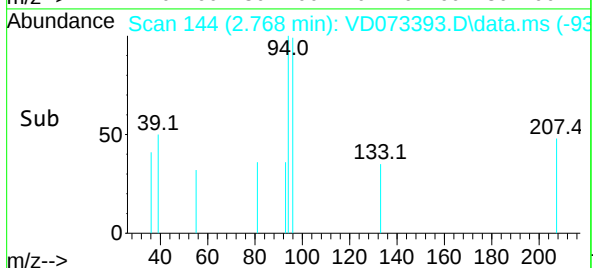
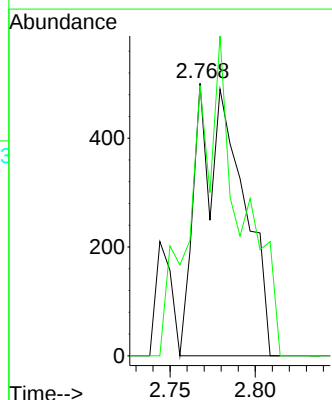
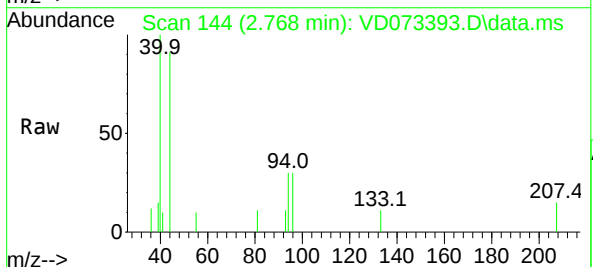
Instrument :
MSVOA_D
ClientSampleId :
VOC

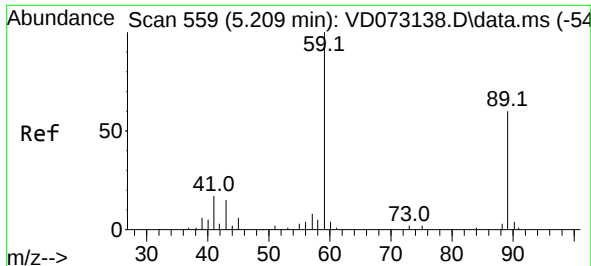
Tgt Ion:168 Resp: 336234
Ion Ratio Lower Upper
168 100
99 60.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

Tgt Ion: 94 Resp: 918
Ion Ratio Lower Upper
94 100
96 99.2 77.6 116.4

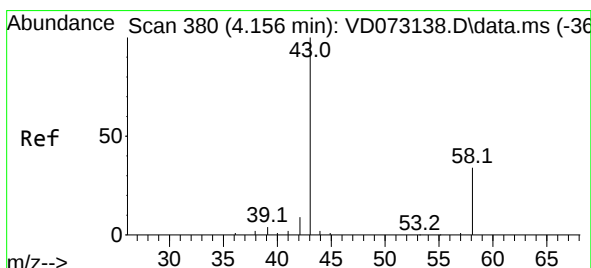
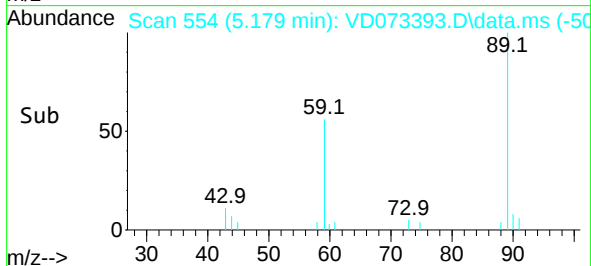
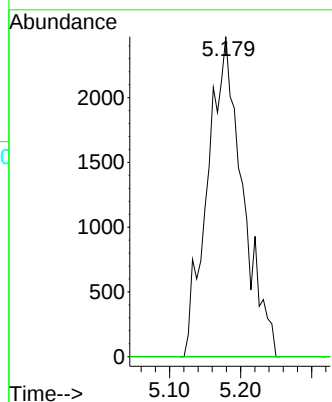
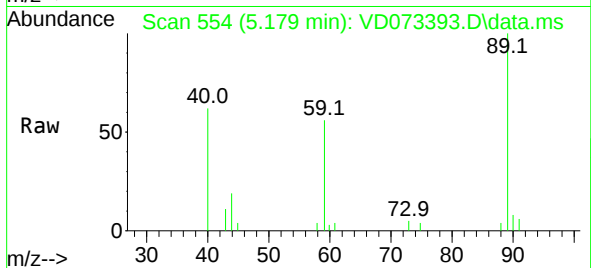




#11
Tert butyl alcohol
Concen: 14.733 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

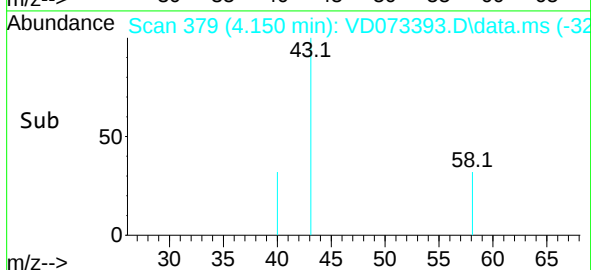
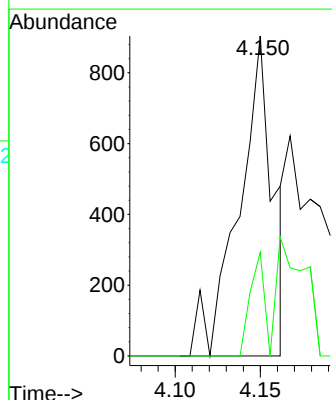
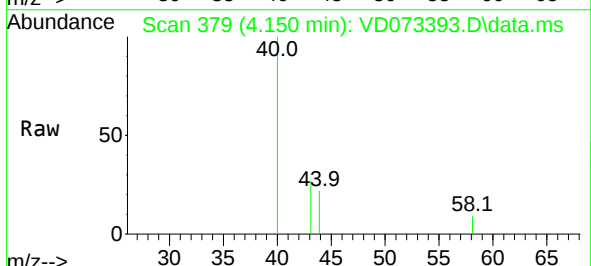
Instrument :
MSVOA_D
ClientSampleId :
VOC

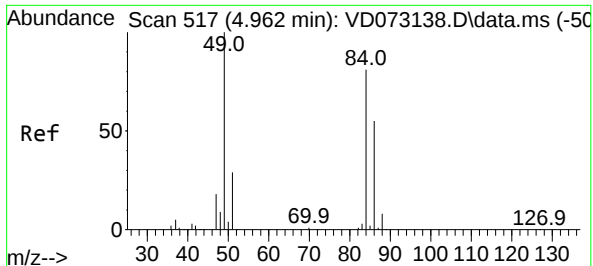
Tgt Ion: 59 Resp: 8494
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.964 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

Tgt Ion: 43 Resp: 1264
Ion Ratio Lower Upper
43 100
58 32.4 22.1 33.1





#20

Methylene Chloride

Concen: 3.206 ug/l

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD073393.D

Acq: 26 May 2022 17:32

Instrument :

MSVOA_D

ClientSampleId :

VOC

Tgt Ion: 84 Resp: 28345

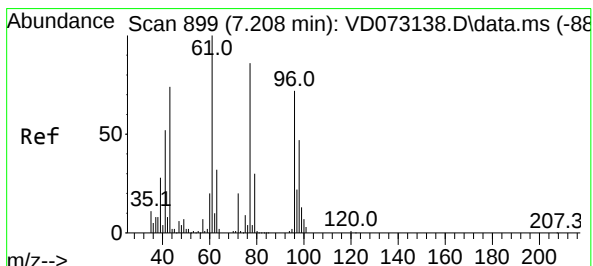
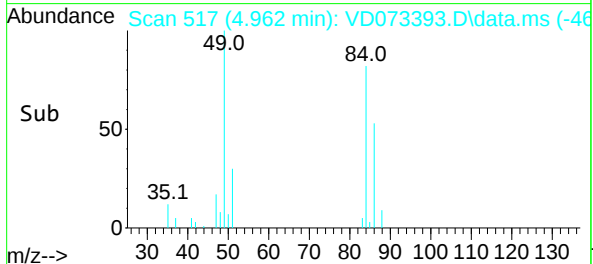
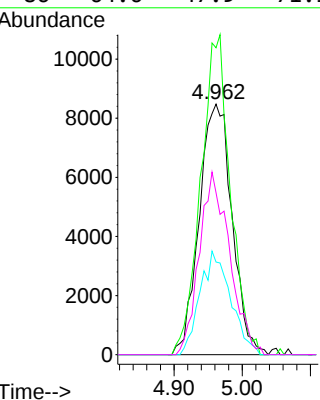
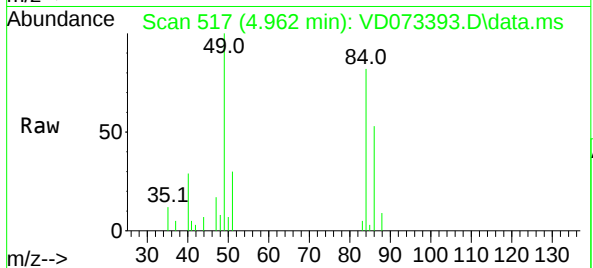
Ion Ratio Lower Upper

84 100

49 122.5 112.8 169.2

51 36.9 32.6 48.8

86 64.6 47.9 71.9



#25

2-Butanone

Concen: 1.449 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.017 min

Lab File: VD073393.D

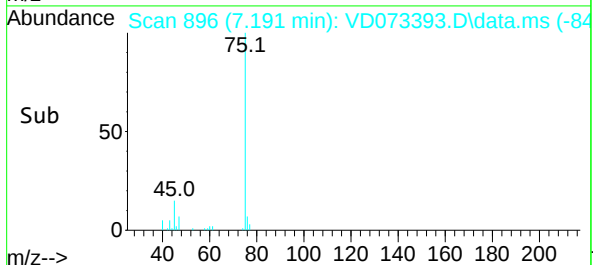
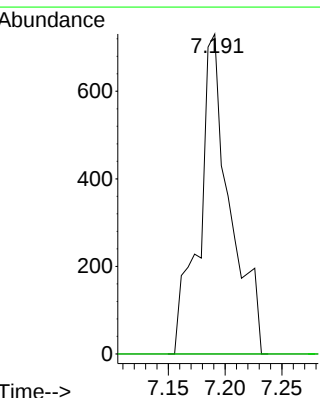
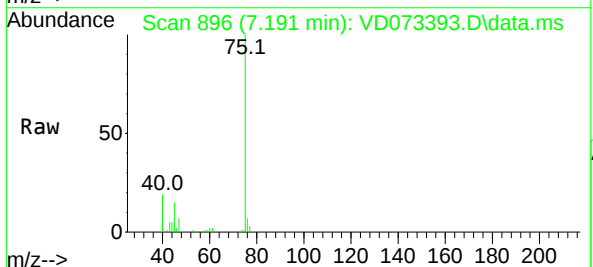
Acq: 26 May 2022 17:32

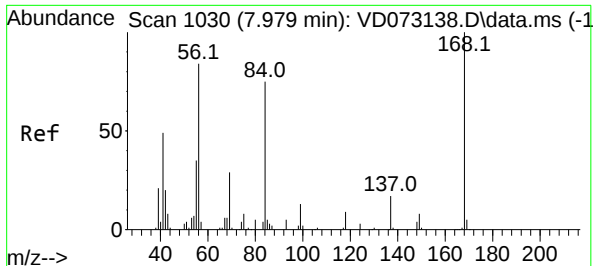
Tgt Ion: 43 Resp: 1364

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

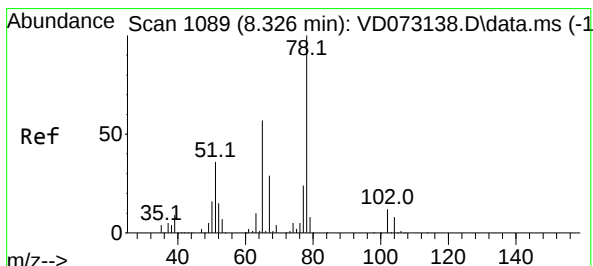
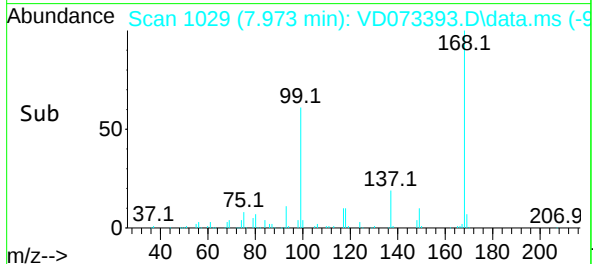
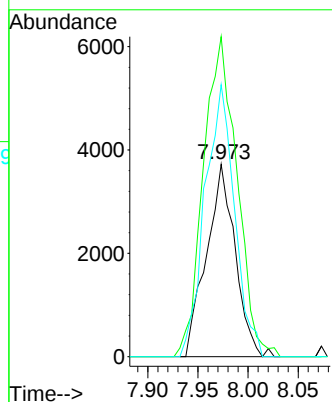
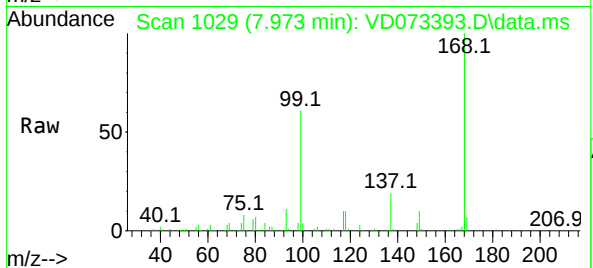




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

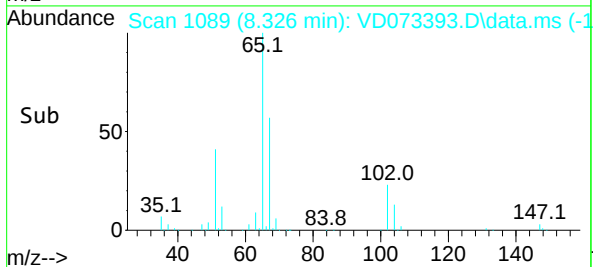
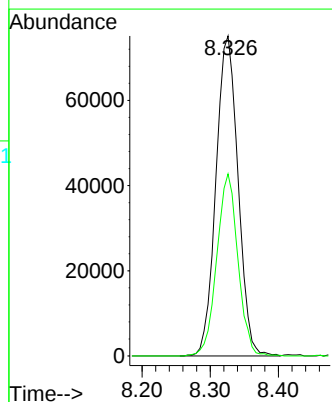
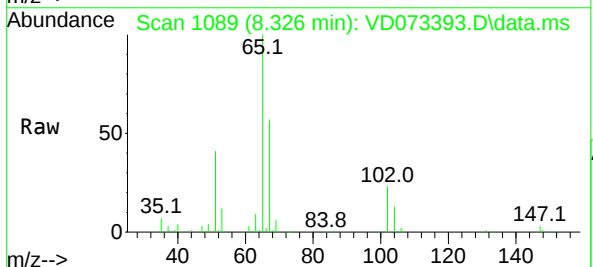
Instrument :
MSVOA_D
ClientSampleId :
VOC

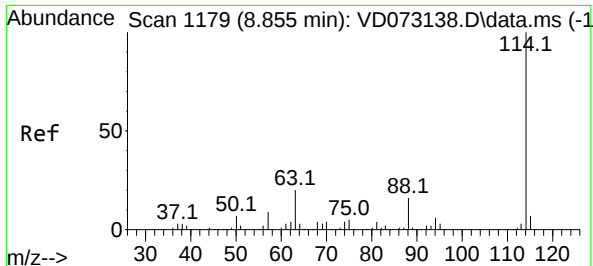
Tgt Ion: 56 Resp: 7407
Ion Ratio Lower Upper
56 100
69 166.3 25.4 38.2#
84 141.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 45.613 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

Tgt Ion: 65 Resp: 169493
Ion Ratio Lower Upper
65 100
67 54.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073393.D

Acq: 26 May 2022 17:32

Instrument :

MSVOA_D

ClientSampleId :

VOC

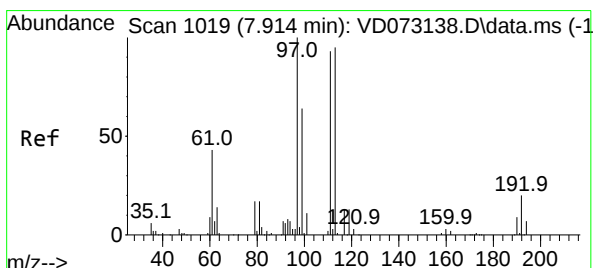
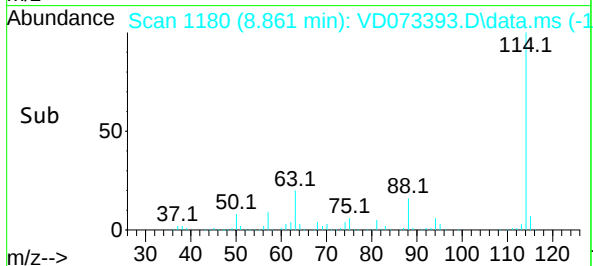
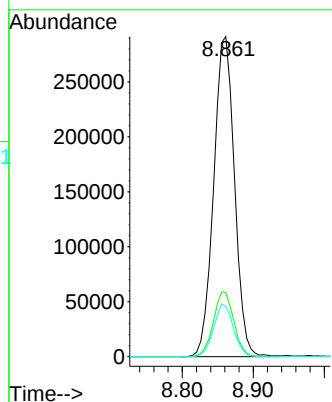
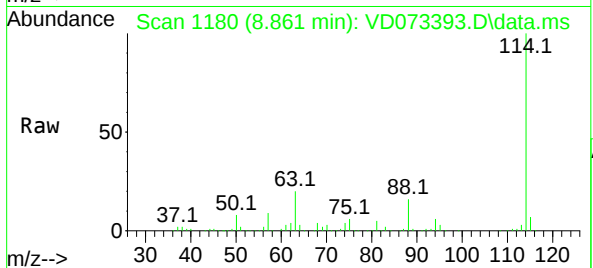
Tgt Ion:114 Resp: 591499

Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.171 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073393.D

Acq: 26 May 2022 17:32

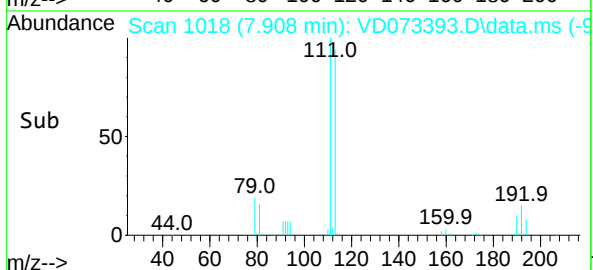
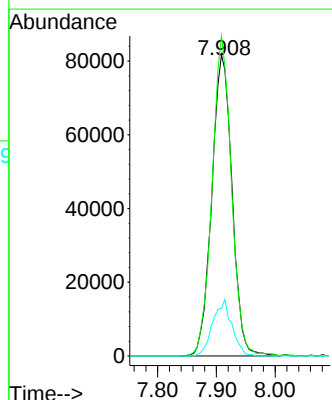
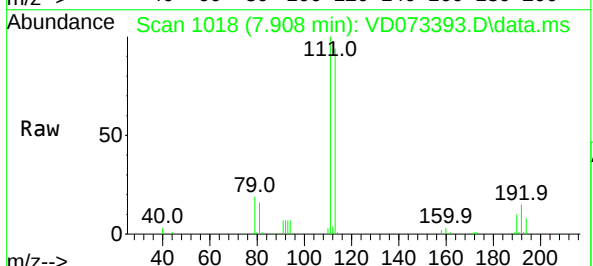
Tgt Ion:113 Resp: 195823

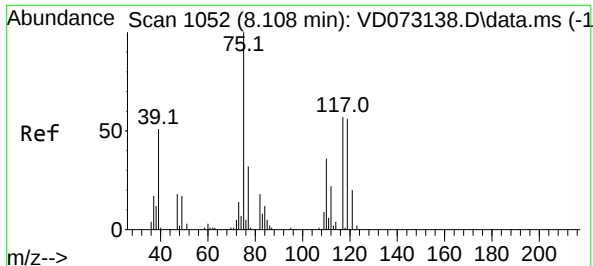
Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 17.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.845 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073393.D

Acq: 26 May 2022 17:32

Instrument :

MSVOA_D

ClientSampleId :

VOC

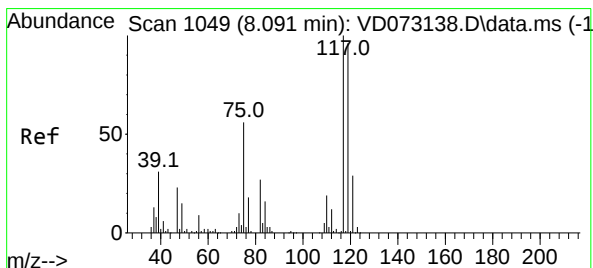
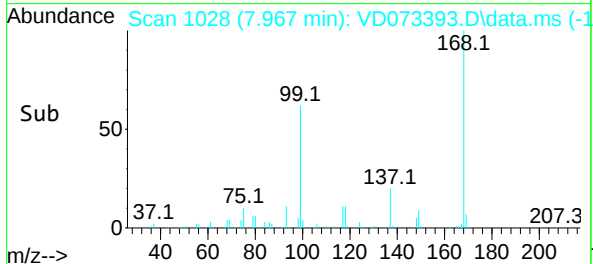
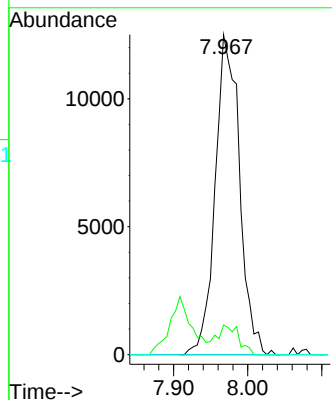
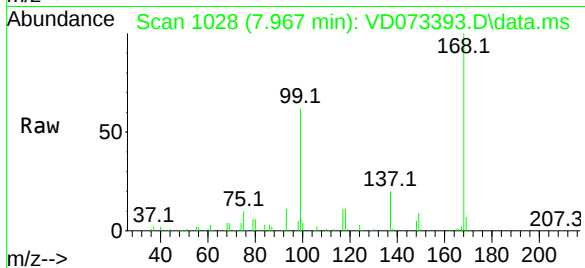
Tgt Ion: 75 Resp: 28439

Ion Ratio Lower Upper

75 100

110 8.1 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.717 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073393.D

Acq: 26 May 2022 17:32

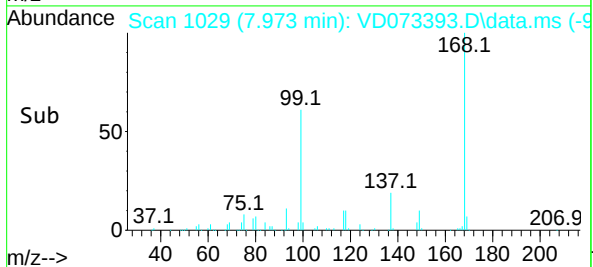
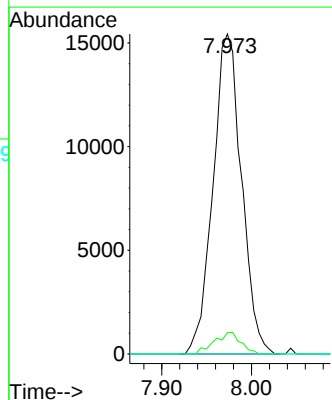
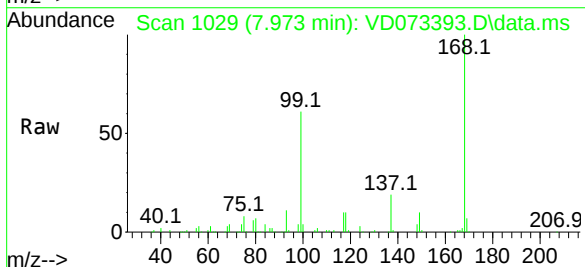
Tgt Ion: 117 Resp: 34019

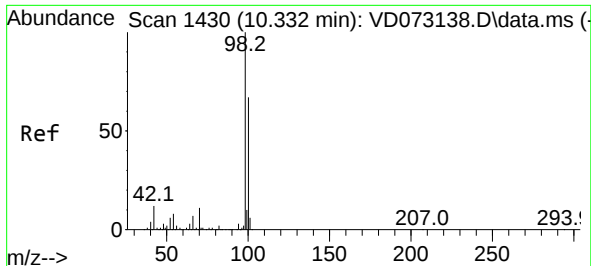
Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

121 0.0 24.5 36.7#

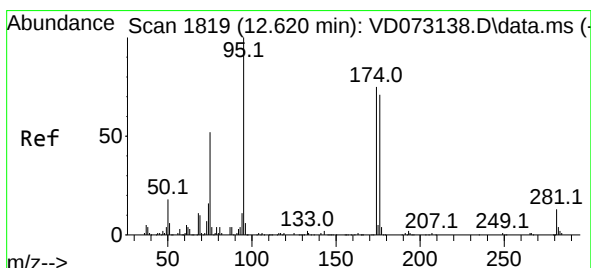
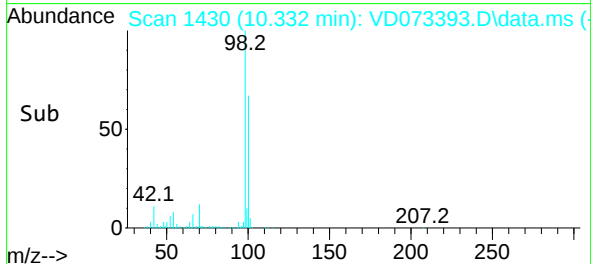
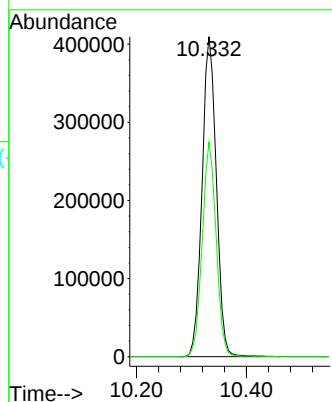
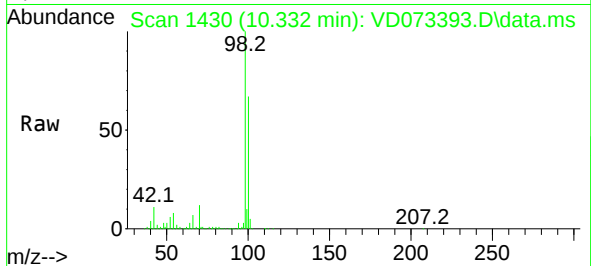




#50
Toluene-d8
Concen: 51.196 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

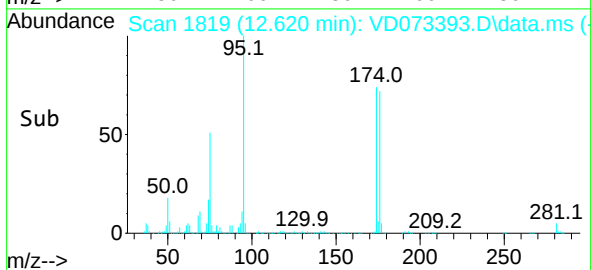
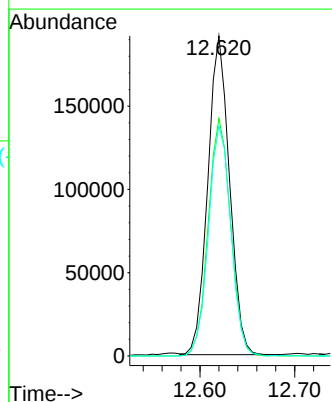
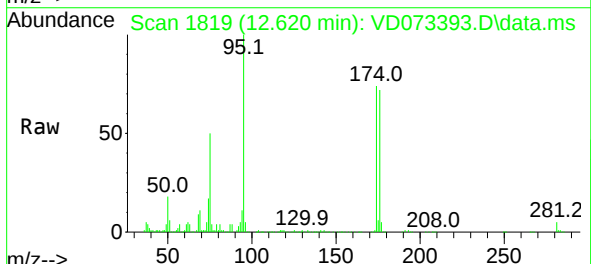
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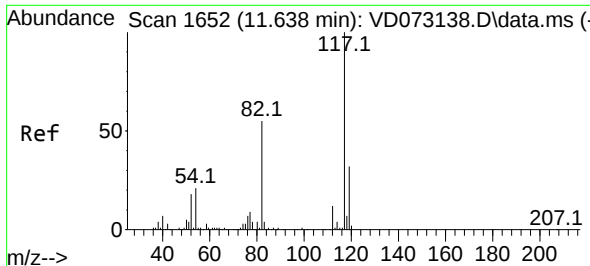
Tgt Ion: 98 Resp: 736592
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 60.220 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

Tgt Ion: 95 Resp: 304068
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 74.5 0.0 145.4

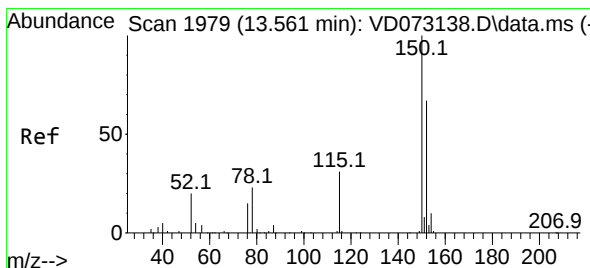
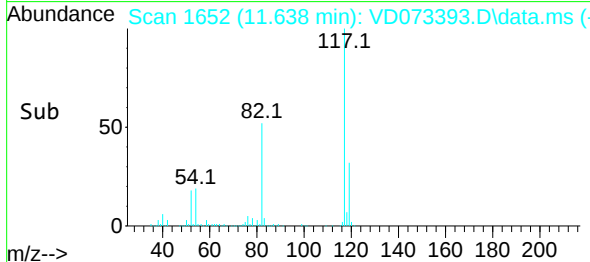
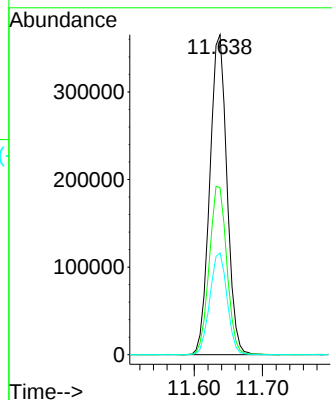
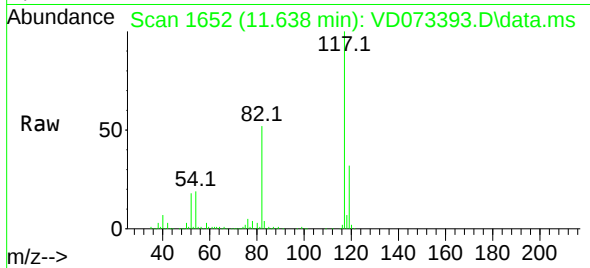




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

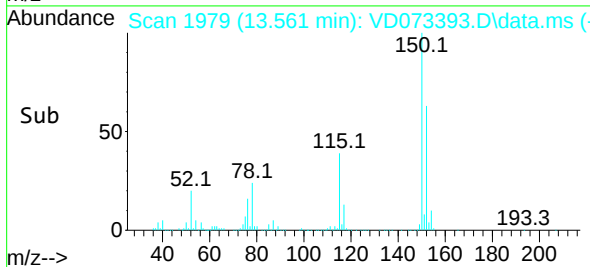
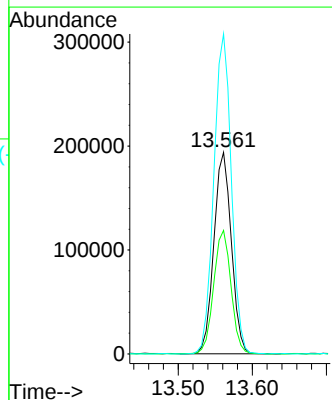
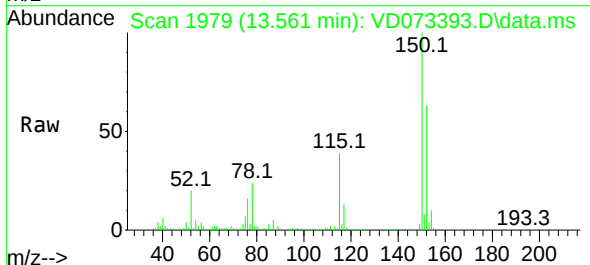
Instrument :
MSVOA_D
ClientSampleId :
VOC

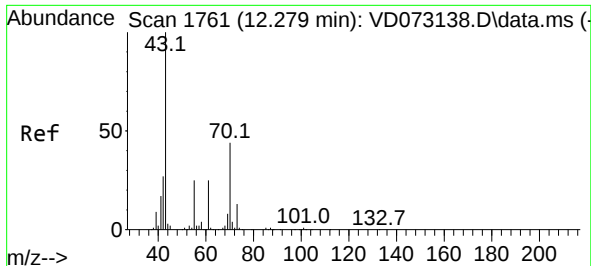
Tgt Ion:117 Resp: 639299
Ion Ratio Lower Upper
117 100
82 52.2 45.3 67.9
119 31.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

Tgt Ion:152 Resp: 317767
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.8
150 158.7 0.0 348.6

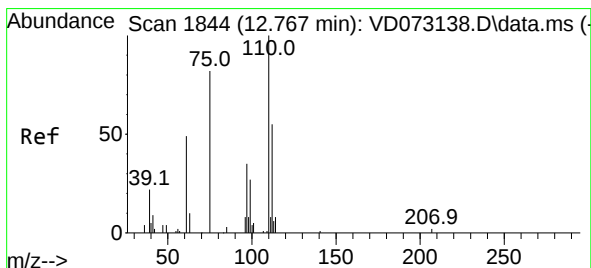
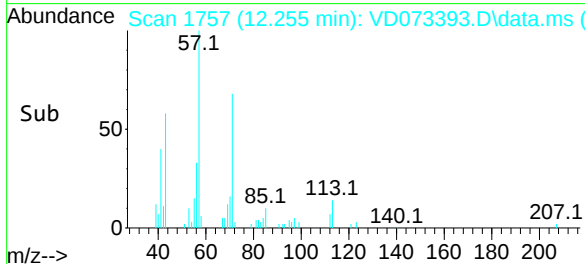
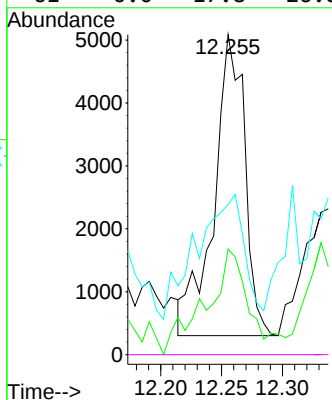
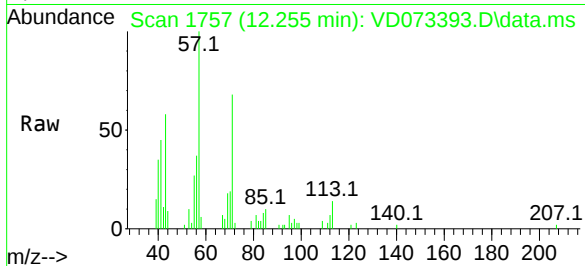




#74
N-amy1 acetate
Concen: 1.705 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

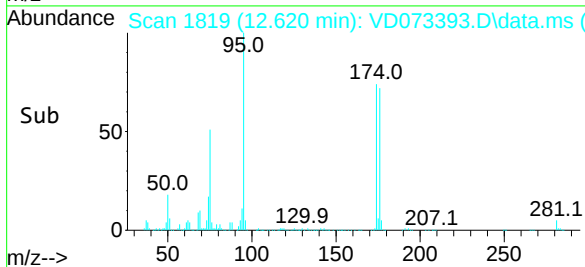
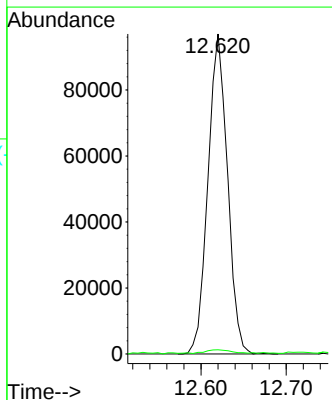
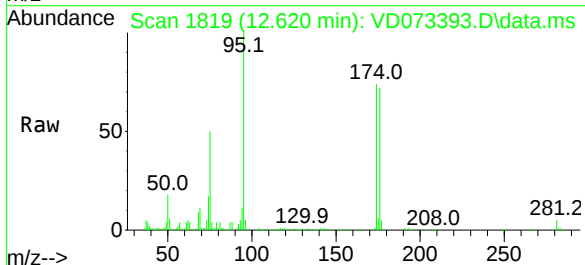
Instrument :
MSVOA_D
ClientSampleId :
VOC

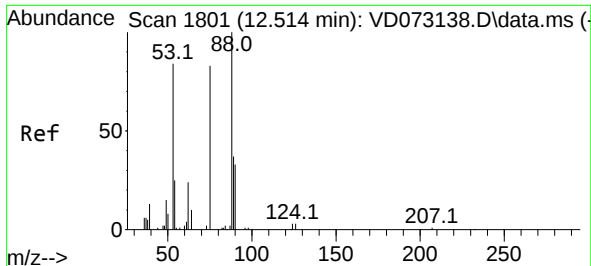
Tgt Ion: 43 Resp: 8428
Ion Ratio Lower Upper
43 100
70 49.5 31.3 46.9#
55 64.0 20.0 30.0#
61 0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 49.456 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

Tgt Ion: 75 Resp: 154195
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

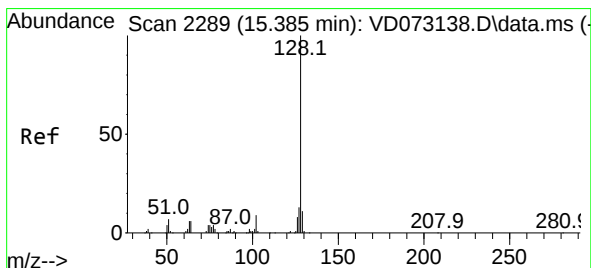
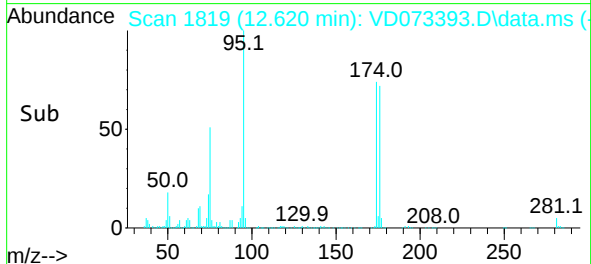
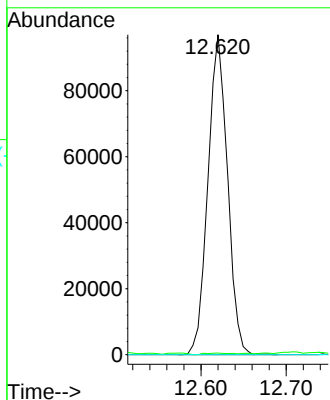
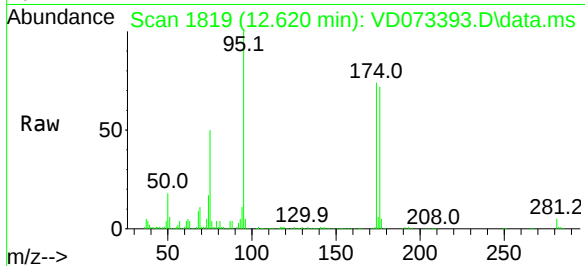




#81
trans-1,4-Dichloro-2-butene
Concen: 118.728 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

Instrument :
MSVOA_D
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 154195
Ion Ratio Lower Upper
75 100
53 0.7 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.898 ug/l
RT: 15.343 min Scan# 2282
Delta R.T. -0.042 min
Lab File: VD073393.D
Acq: 26 May 2022 17:32

Tgt Ion: 128 Resp: 3987
Ion Ratio Lower Upper
128 100
127 86.8 10.3 15.5#
129 62.5 8.4 12.6#

