

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073290.D
 Acq On : 23 May 2022 18:42
 Operator : VA/SY
 Sample : N2964-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-051922

Quant Time: May 24 03:28:35 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)

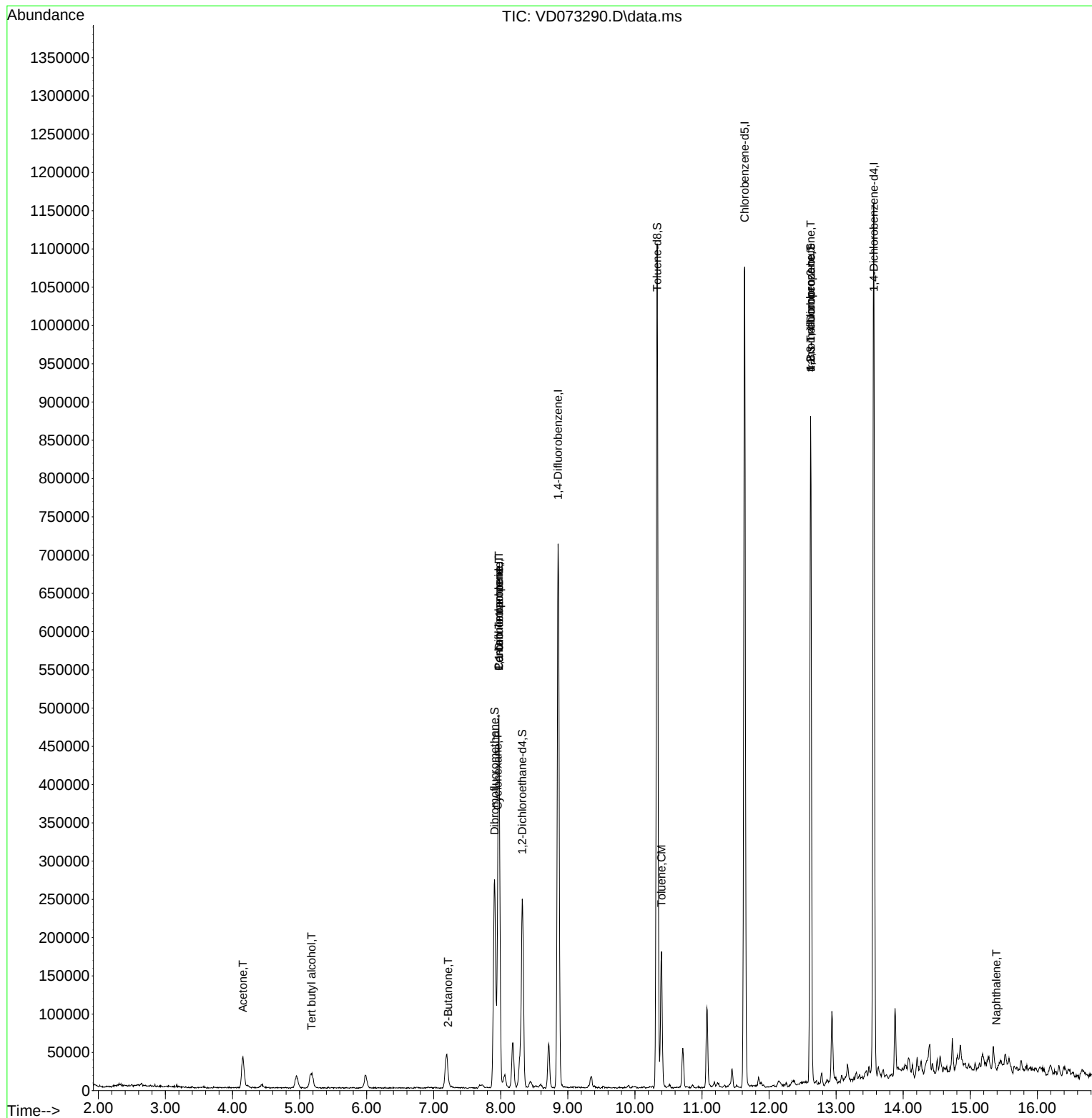
Internal Standards						
1) Pentafluorobenzene	7.973	168	341018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	620502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	630509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	300989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	188207	49.939	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.880%		
35) Dibromofluoromethane	7.908	113	199660	48.763	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.520%		
50) Toluene-d8	10.331	98	729135	48.309	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.620%		
62) 4-Bromofluorobenzene	12.620	95	288075	54.386	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.780%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	638	Below Cal	#	29
11) Tert butyl alcohol	5.179	59	20380	34.854	ug/l #	74
16) Acetone	4.155	43	71758	109.926	ug/l #	89
20) Methylene Chloride	4.949	84	11880	Below Cal	#	81
25) 2-Butanone	7.214	43	3932	4.117	ug/l	98
31) Cyclohexane	7.955	56	17915	2.720	ug/l #	66
36) 1,1-Dichloropropene	7.973	75	28102	4.563	ug/l #	52
38) Carbon Tetrachloride	7.973	117	36474	5.843	ug/l #	16
52) Toluene	10.396	92	76028	6.779	ug/l	97
76) 1,2,3-Trichloropropane	12.620	75	144694	48.995	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	144694	117.623	ug/l #	7
95) Naphthalene	15.390	128	2019	3.732	ug/l #	85

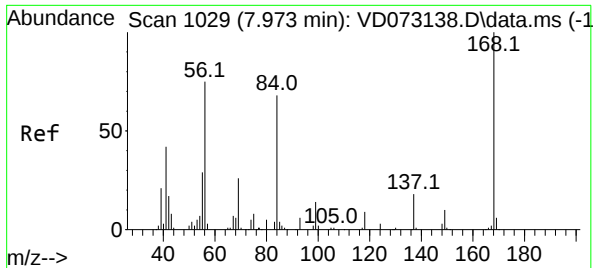
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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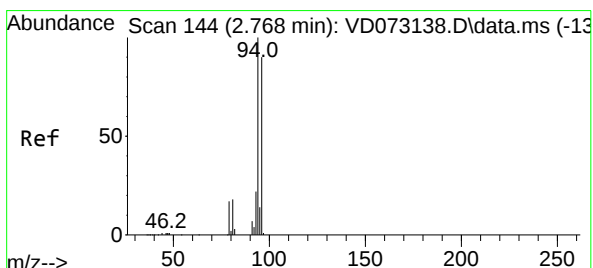
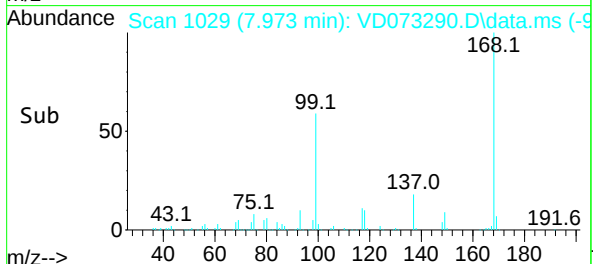
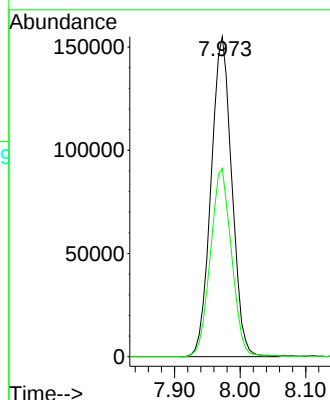
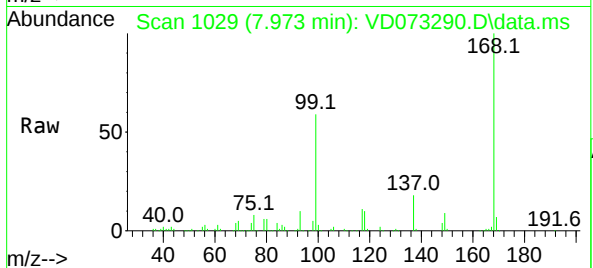




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

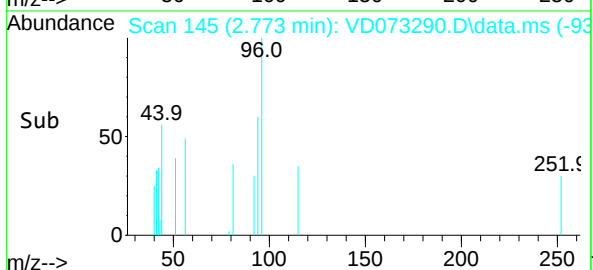
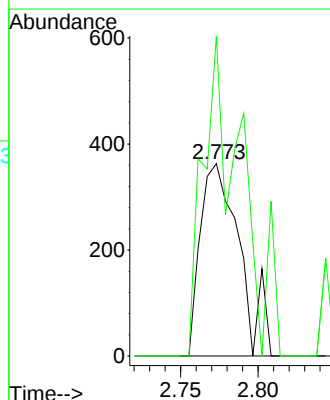
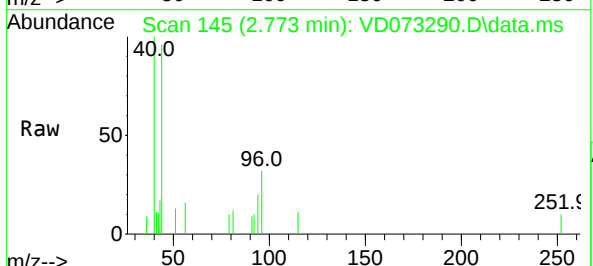
Instrument :
MSVOA_D
ClientSampleId :
EO-01-051922

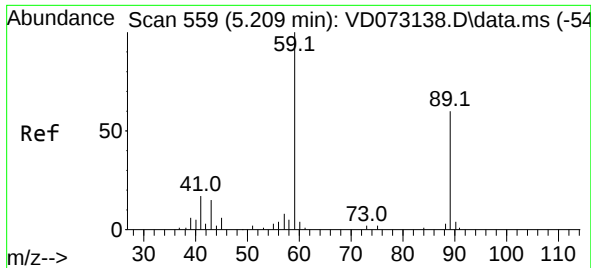
Tgt Ion:168 Resp: 341018
Ion Ratio Lower Upper
168 100
99 58.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

Tgt Ion: 94 Resp: 638
Ion Ratio Lower Upper
94 100
96 166.4 77.6 116.4#

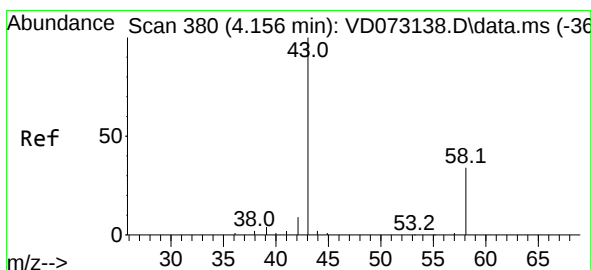
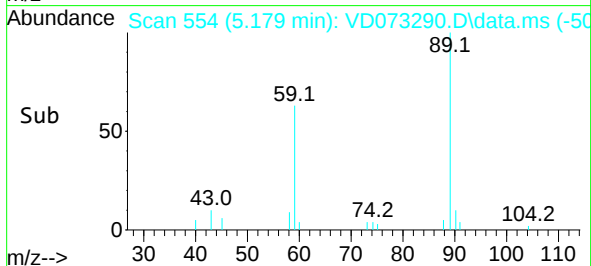
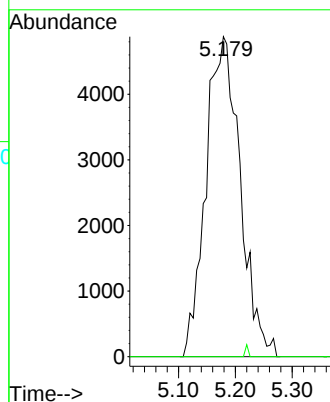
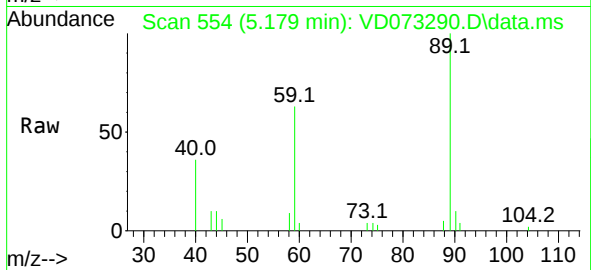




#11
Tert butyl alcohol
Concen: 34.854 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

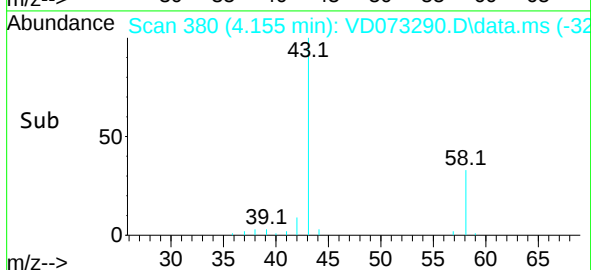
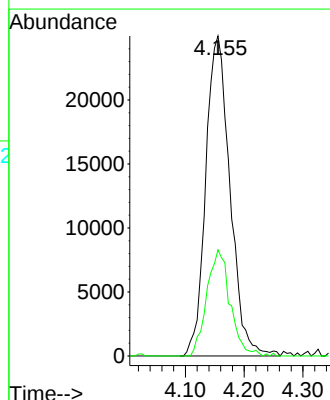
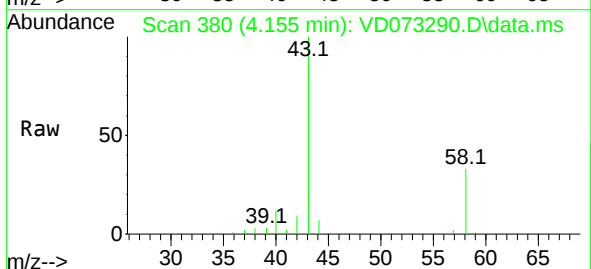
Instrument :
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ClientSampleId :
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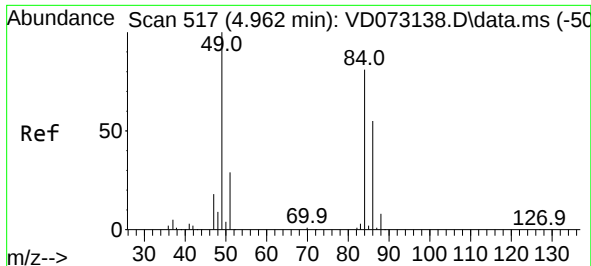
Tgt Ion: 59 Resp: 20380
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 109.926 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.001 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

Tgt Ion: 43 Resp: 71758
Ion Ratio Lower Upper
43 100
58 33.2 22.1 33.1#

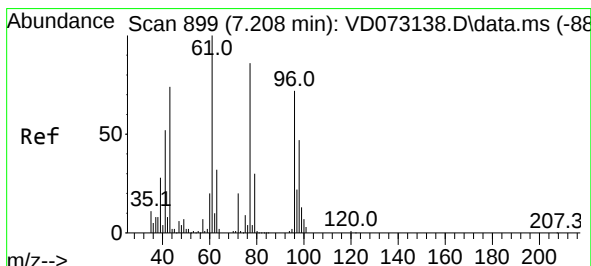
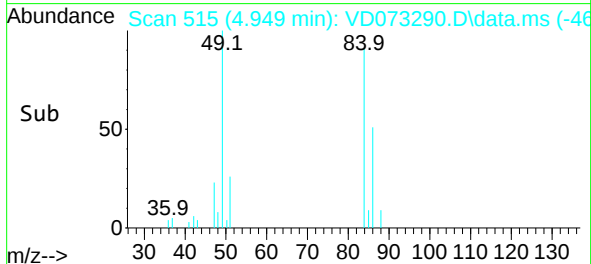
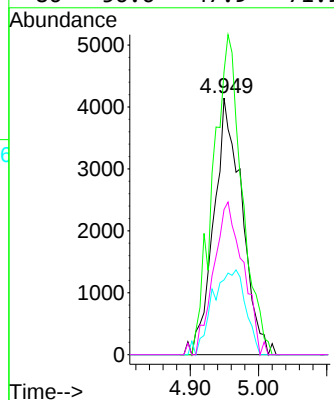
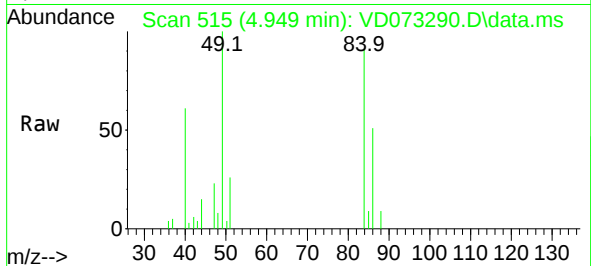




#20
Methylene Chloride
Concen: Below Cal
RT: 4.949 min Scan# 517
Delta R.T. -0.013 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

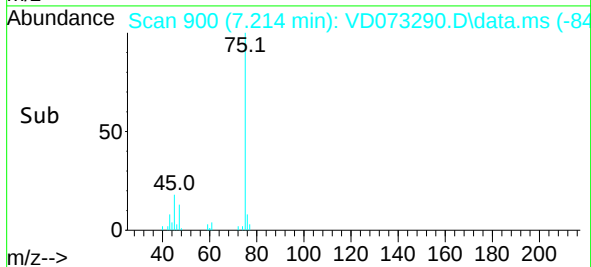
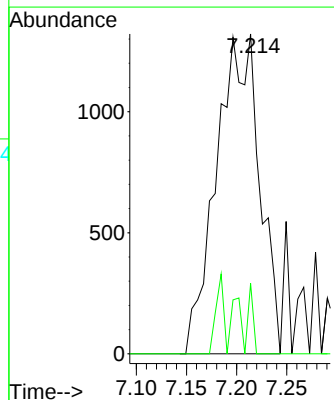
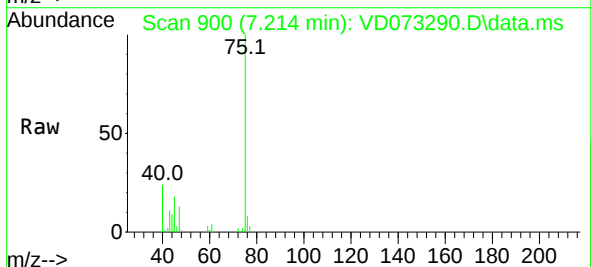
Instrument :
MSVOA_D
ClientSampleId :
EO-01-051922

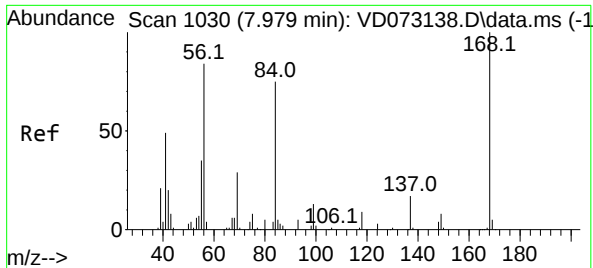
Tgt Ion:	84	Resp:	11880
Ion	Ratio	Lower	Upper
84	100		
49	110.3	112.8	169.2#
51	29.1	32.6	48.8#
86	56.6	47.9	71.9



#25
2-Butanone
Concen: 4.117 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

Tgt Ion:	43	Resp:	3932
Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.6	27.8

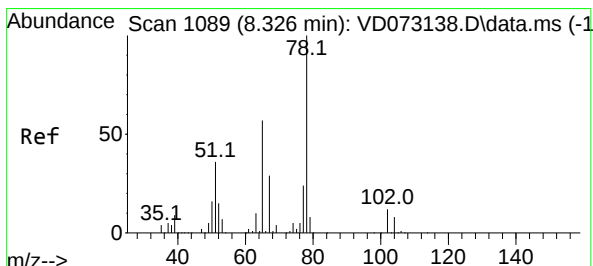
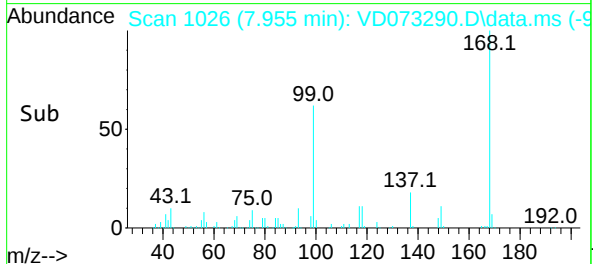
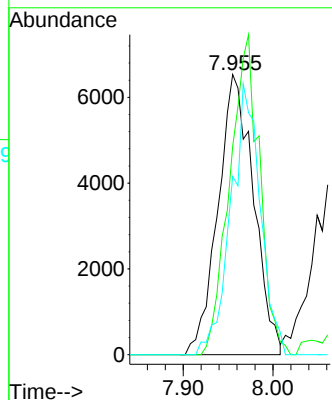
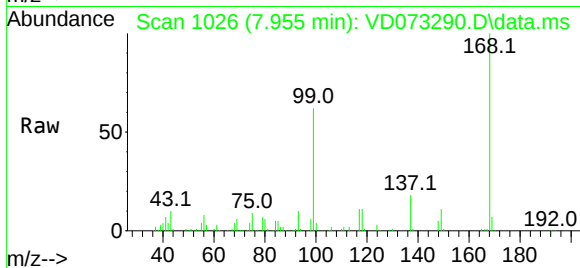




#31
Cyclohexane
Concen: 2.720 ug/l
RT: 7.955 min Scan# 1026
Delta R.T. -0.024 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

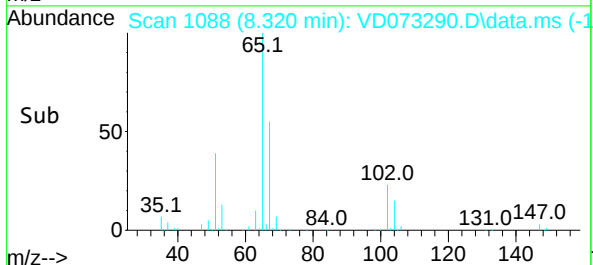
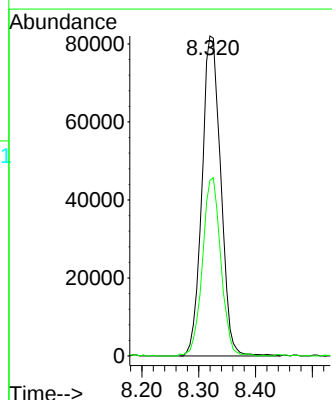
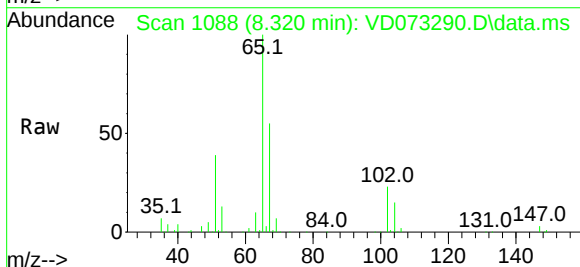
Instrument :
MSVOA_D
ClientSampleId :
EO-01-051922

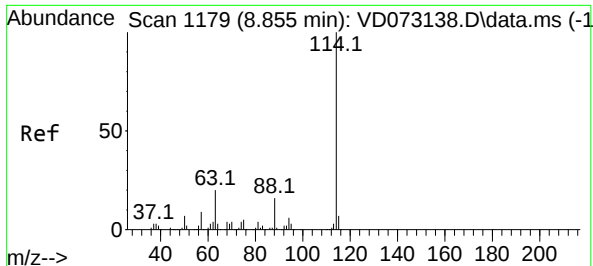
Tgt Ion: 56 Resp: 17915
Ion Ratio Lower Upper
56 100
69 74.3 25.4 38.2#
84 63.6 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 49.939 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

Tgt Ion: 65 Resp: 188207
Ion Ratio Lower Upper
65 100
67 54.5 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: VD073290.D

Acq: 23 May 2022 18:42

Instrument :

MSVOA_D

ClientSampleId :

EO-01-051922

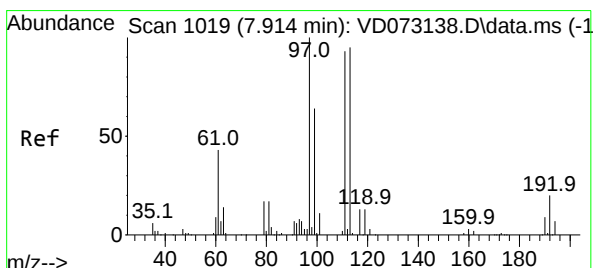
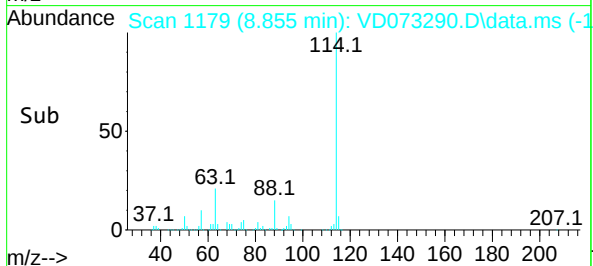
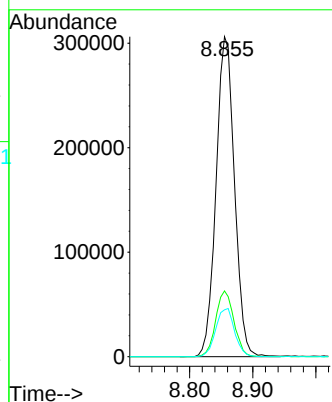
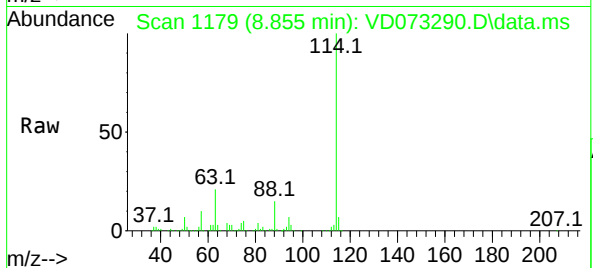
Tgt Ion:114 Resp: 620502

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 14.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.763 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073290.D

Acq: 23 May 2022 18:42

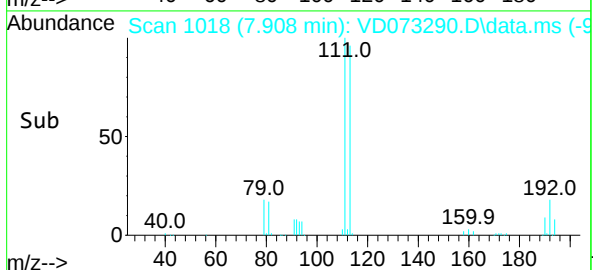
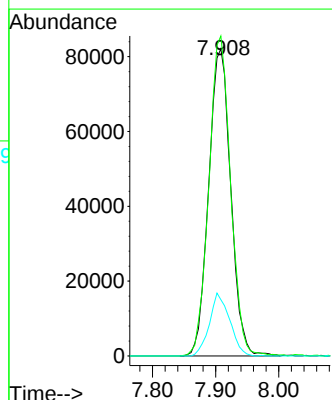
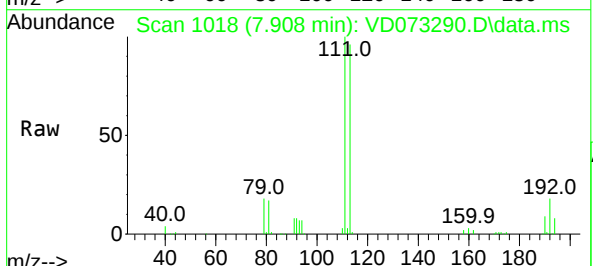
Tgt Ion:113 Resp: 199660

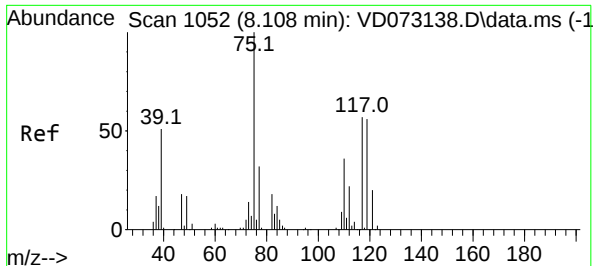
Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 18.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.563 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073290.D

Acq: 23 May 2022 18:42

Instrument :

MSVOA_D

ClientSampleId :

EO-01-051922

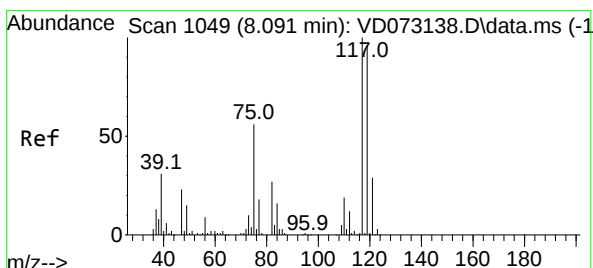
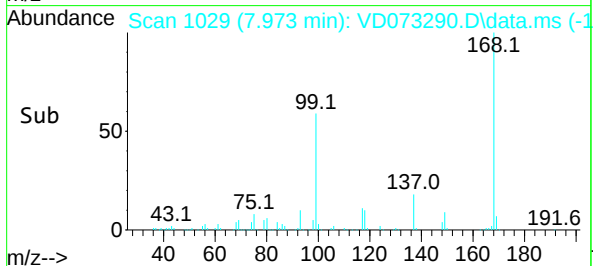
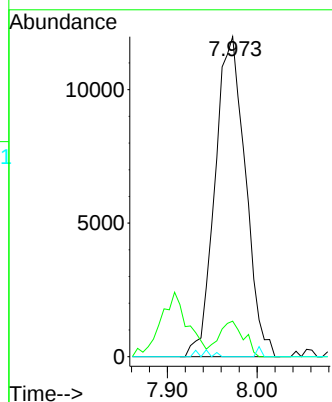
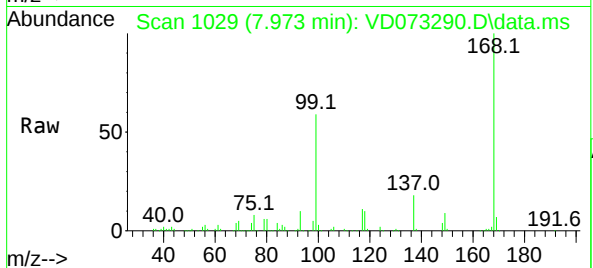
Tgt Ion: 75 Resp: 28102

Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.843 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073290.D

Acq: 23 May 2022 18:42

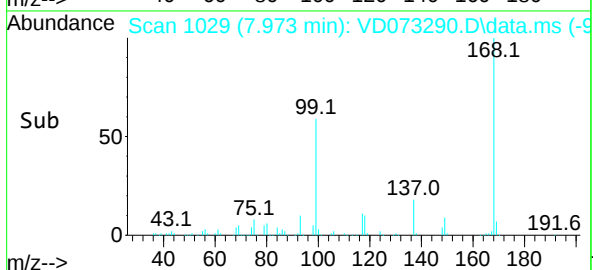
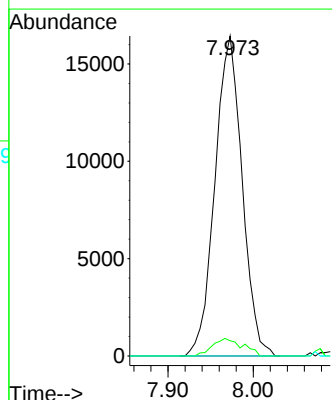
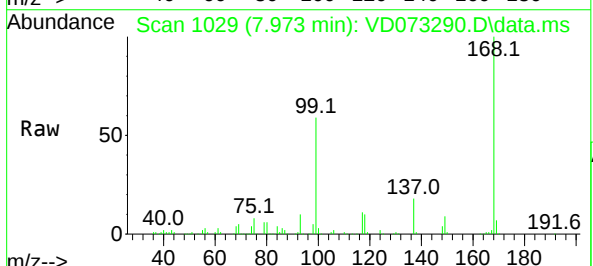
Tgt Ion: 117 Resp: 36474

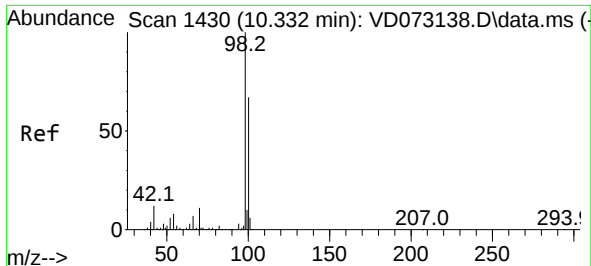
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 24.5 36.7#

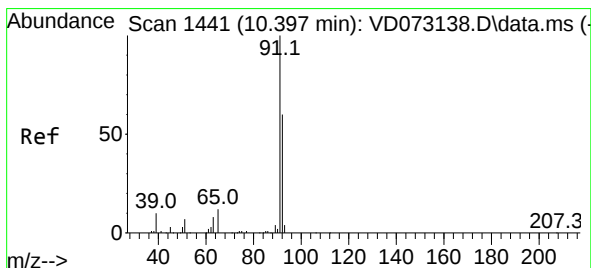
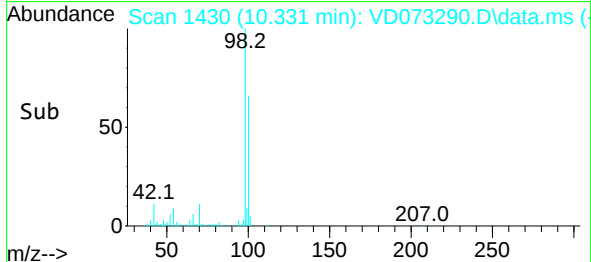
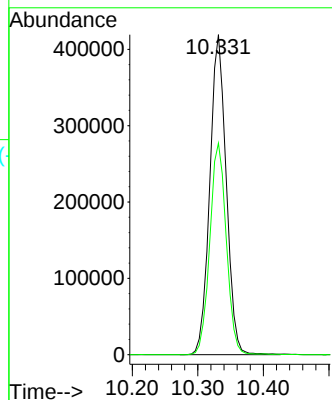
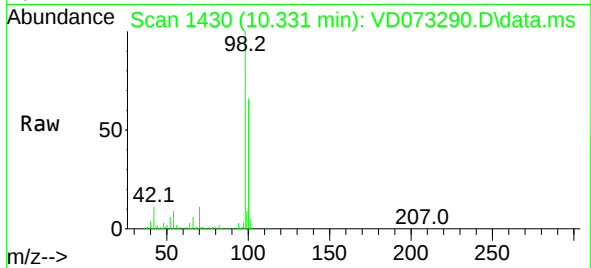




#50
Toluene-d8
Concen: 48.309 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.001 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

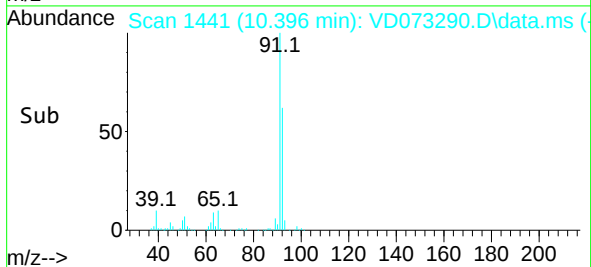
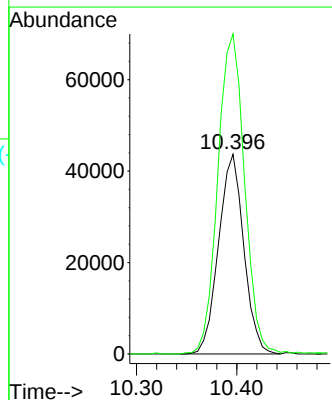
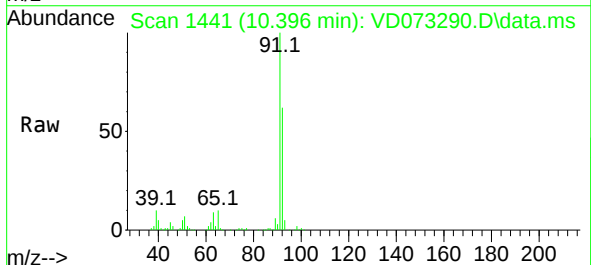
Instrument :
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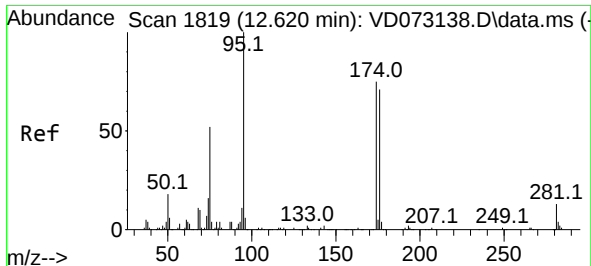
Tgt Ion: 98 Resp: 729135
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#52
Toluene
Concen: 6.779 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.001 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

Tgt Ion: 92 Resp: 76028
Ion Ratio Lower Upper
92 100
91 170.7 139.6 209.4

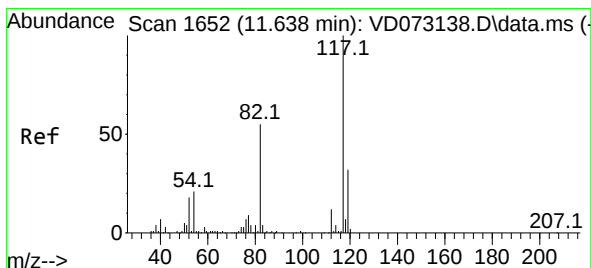
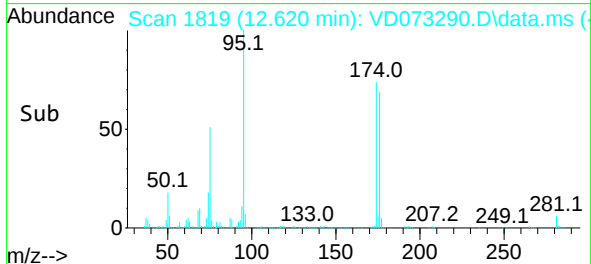
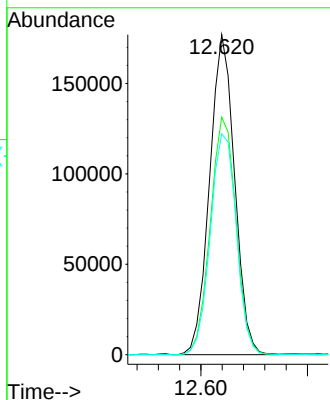
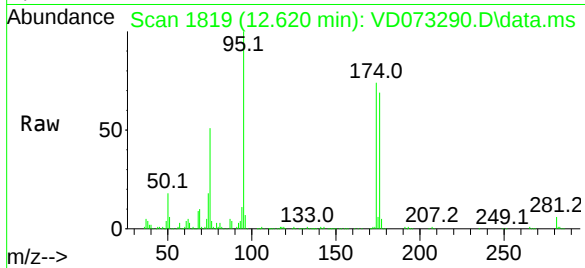




#62
4-Bromofluorobenzene
Concen: 54.386 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

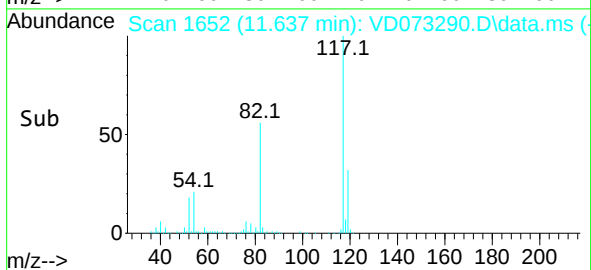
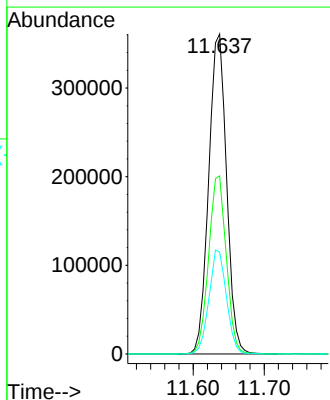
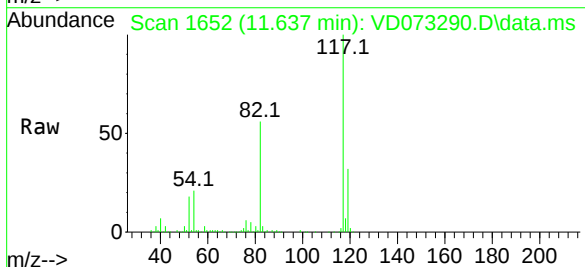
Instrument :
MSVOA_D
ClientSampleId :
EO-01-051922

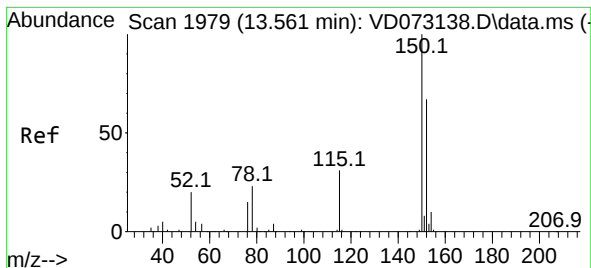
Tgt Ion: 95 Resp: 288075
Ion Ratio Lower Upper
95 100
174 76.4 0.0 152.8
176 71.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

Tgt Ion: 117 Resp: 630509
Ion Ratio Lower Upper
117 100
82 55.6 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: VD073290.D

Acq: 23 May 2022 18:42

Instrument :

MSVOA_D

ClientSampleId :

EO-01-051922

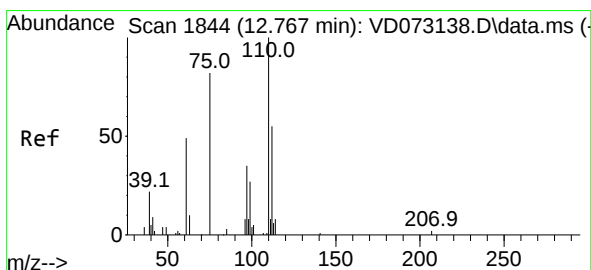
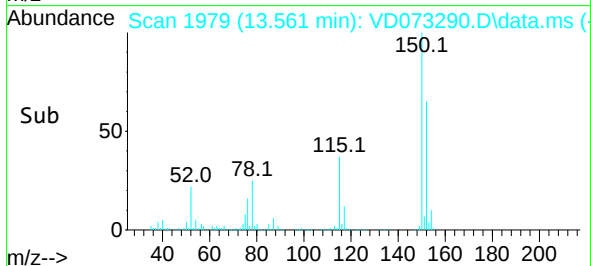
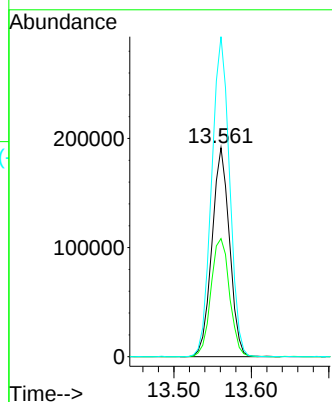
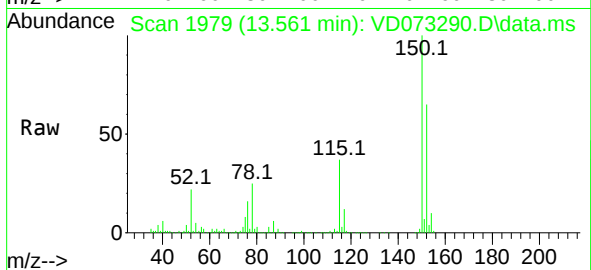
Tgt Ion:152 Resp: 300989

Ion Ratio Lower Upper

152 100

115 59.9 31.3 93.8

150 156.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 48.995 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073290.D

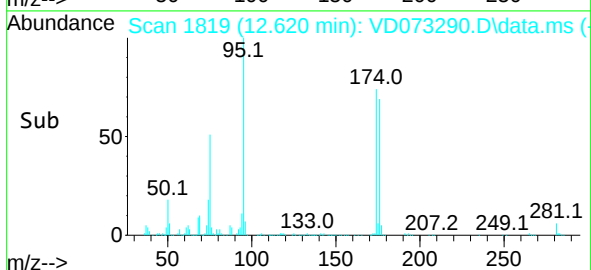
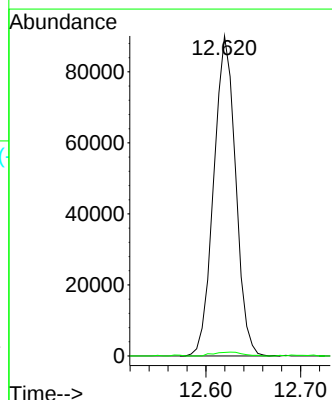
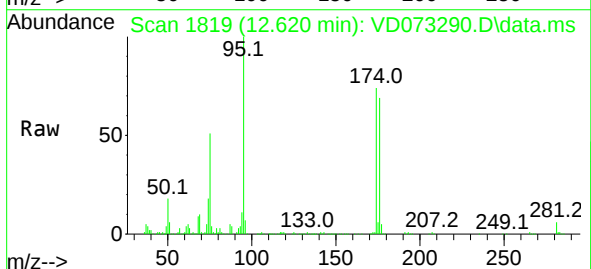
Acq: 23 May 2022 18:42

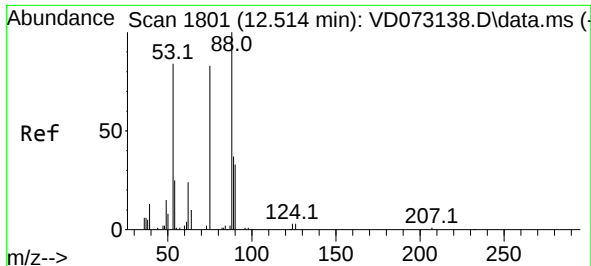
Tgt Ion: 75 Resp: 144694

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

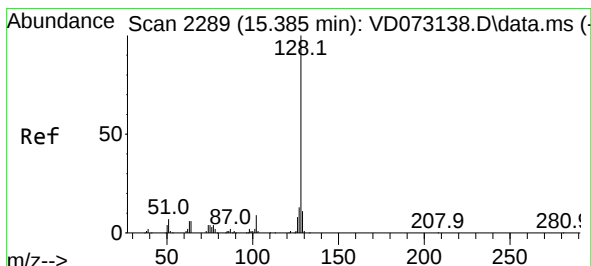
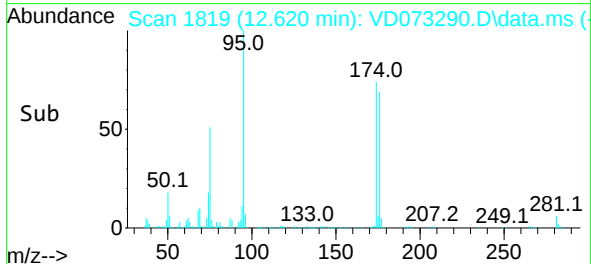
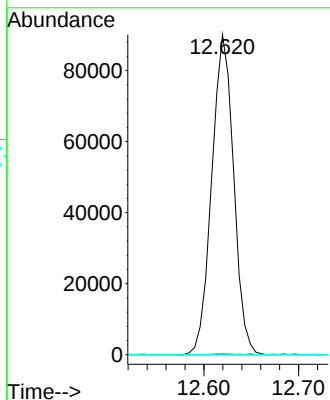
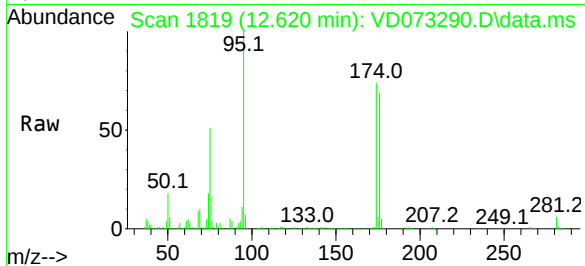




#81
trans-1,4-Dichloro-2-butene
Concen: 117.623 ug/l
RT: 12.620 min Scan# 1801
Delta R.T. 0.106 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

Instrument :
MSVOA_D
ClientSampleId :
EO-01-051922

Tgt Ion: 75 Resp: 144694
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.732 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD073290.D
Acq: 23 May 2022 18:42

Tgt Ion: 128 Resp: 2019
Ion Ratio Lower Upper
128 100
127 8.8 10.3 15.5#
129 17.9 8.4 12.6#

