

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021323\
 Data File : VD075321.D
 Acq On : 13 Feb 2023 12:07
 Operator : KP/SY
 Sample : 01528-01RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-021023

Quant Time: Feb 14 01:18:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

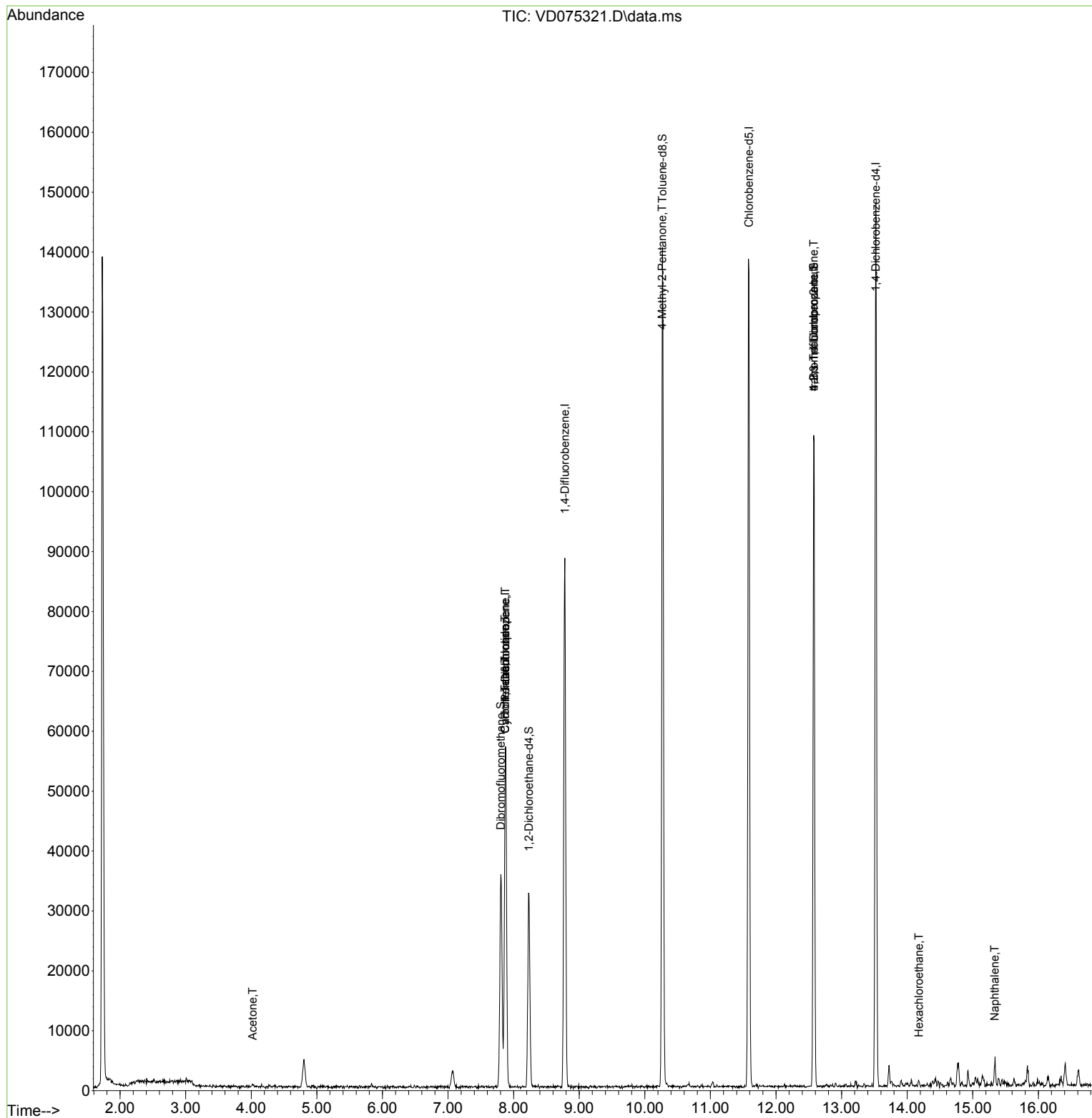
Internal Standards						
1) Pentafluorobenzene	7.875	168	43340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	75480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	78034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	38158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	24630	48.465	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.940%		
35) Dibromofluoromethane	7.805	113	24979	47.196	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.400%		
50) Toluene-d8	10.269	98	93443	46.555	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.100%		
62) 4-Bromofluorobenzene	12.575	95	34519	52.157	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.320%		
Target Compounds						
3) Chloromethane	2.152	50	125	Below Cal	#	41
16) Acetone	4.023	43	507	3.773	ug/l #	42
20) Methylene Chloride	4.805	84	3068	Below Cal	#	91
31) Cyclohexane	7.869	56	1098	1.217	ug/l #	52
36) 1,1-Dichloropropene	7.875	75	3718	4.510	ug/l #	42
38) Carbon Tetrachloride	7.869	117	4434	5.804	ug/l #	21
51) 4-Methyl-2-Pentanone	10.263	43	526	1.514	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	18850	43.491	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	18850	137.353	ug/l #	14
90) Hexachloroethane	14.181	117	577	1.051	ug/l #	15
95) Naphthalene	15.334	128	4064	2.840	ug/l	98

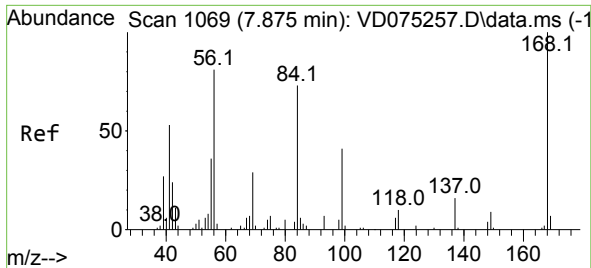
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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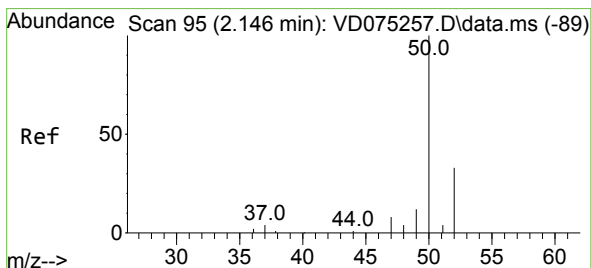
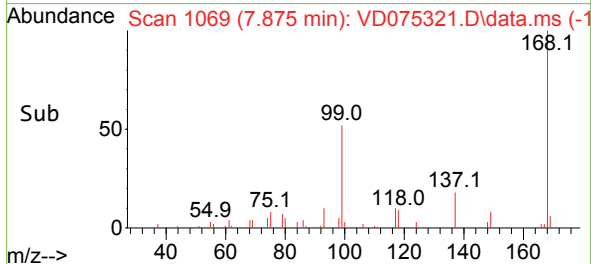
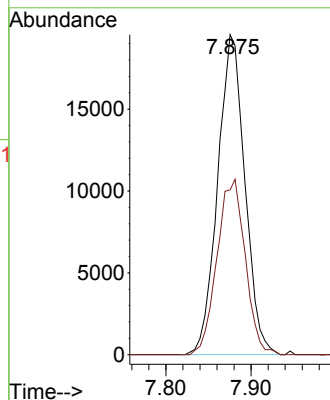
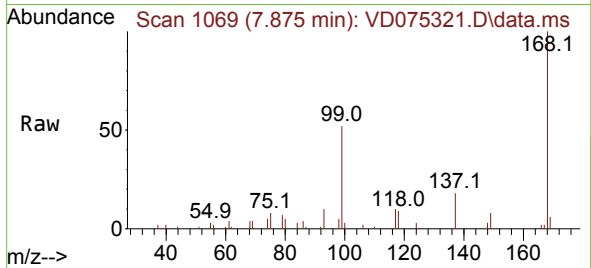




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075321.D
Acq: 13 Feb 2023 12:07

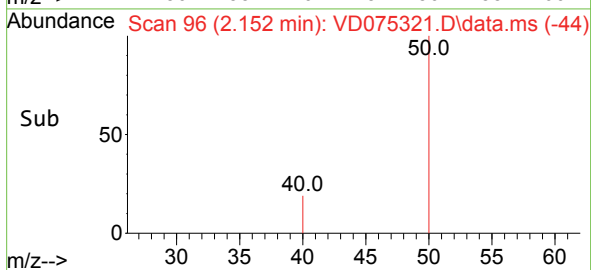
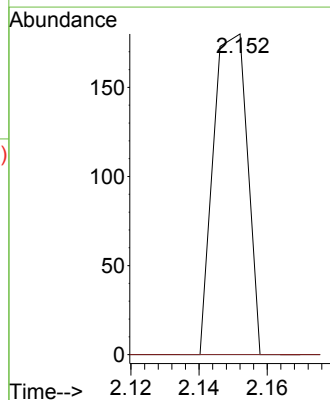
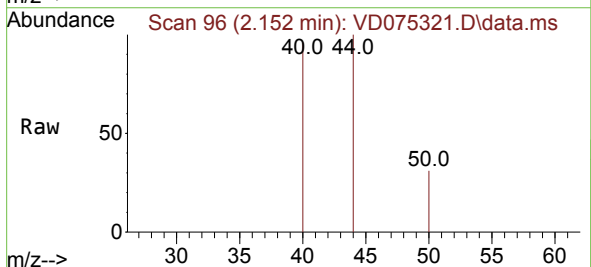
Instrument :
MSVOA_D
ClientSampleId :
EO-03-021023

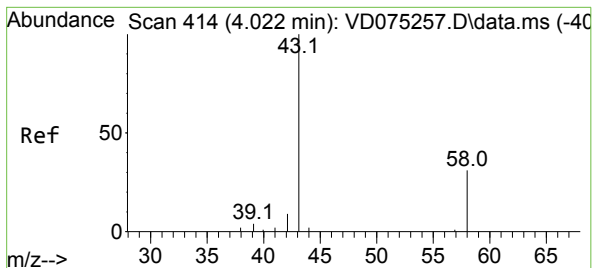
Tgt Ion:168 Resp: 43340
Ion Ratio Lower Upper
168 100
99 51.5 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD075321.D
Acq: 13 Feb 2023 12:07

Tgt Ion: 50 Resp: 125
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#





#16

Acetone

Concen: 3.773 ug/l

RT: 4.023 min Scan# 41

Delta R.T. 0.001 min

Lab File: VD075321.D

Acq: 13 Feb 2023 12:07

Instrument :

MSVOA_D

ClientSampleId :

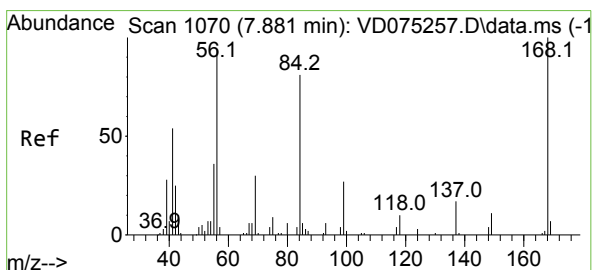
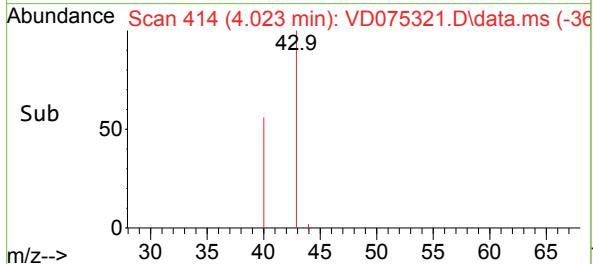
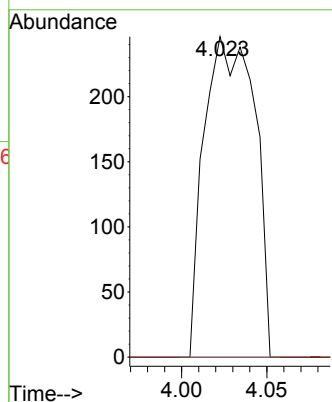
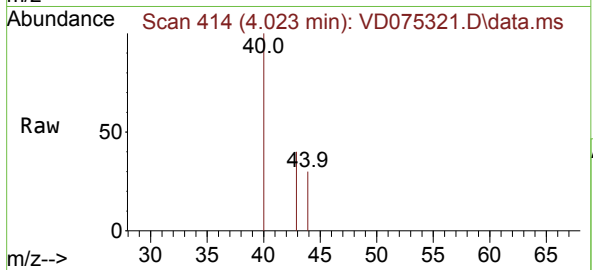
EO-03-021023

Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#



#31

Cyclohexane

Concen: 1.217 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD075321.D

Acq: 13 Feb 2023 12:07

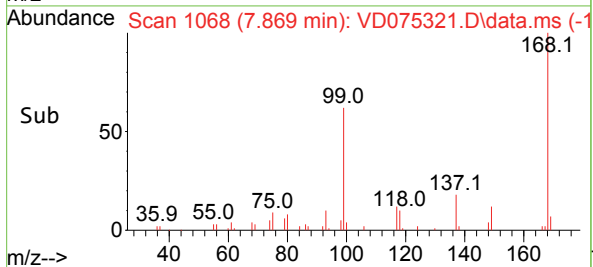
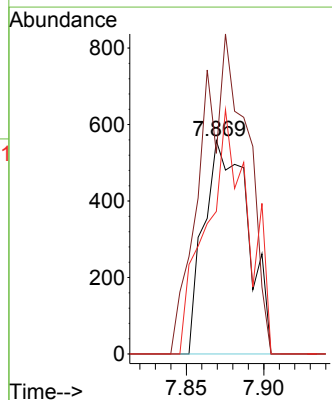
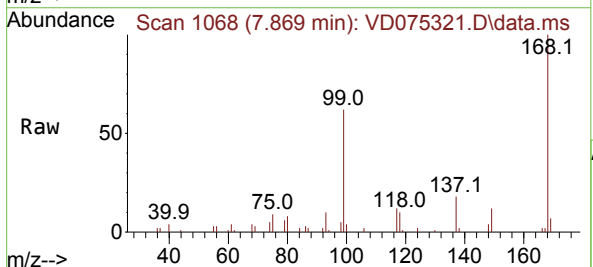
Tgt Ion: 56 Resp: 1098

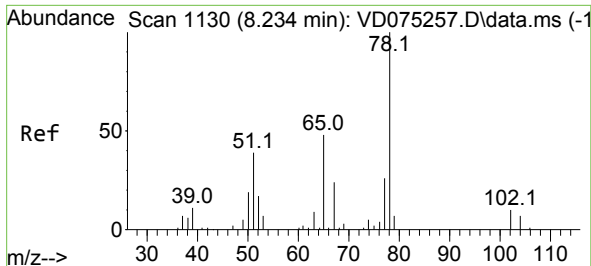
Ion Ratio Lower Upper

56 100

69 94.1 26.6 40.0#

84 66.8 74.1 111.1#





#33

1,2-Dichloroethane-d4

Concen: 48.465 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD075321.D

Acq: 13 Feb 2023 12:07

Instrument :

MSVOA_D

ClientSampleId :

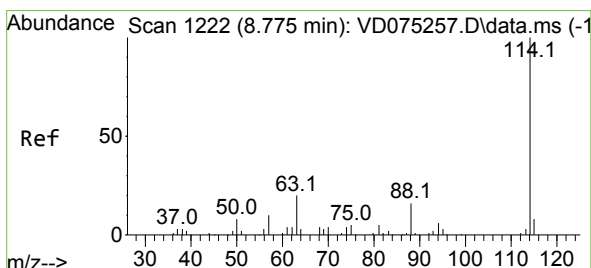
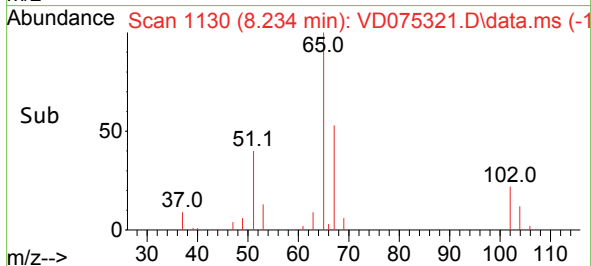
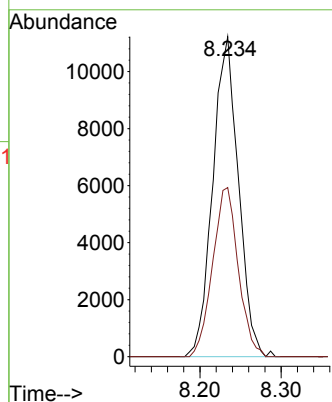
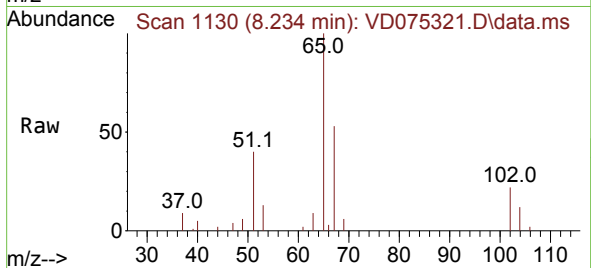
EO-03-021023

Tgt Ion: 65 Resp: 24630

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075321.D

Acq: 13 Feb 2023 12:07

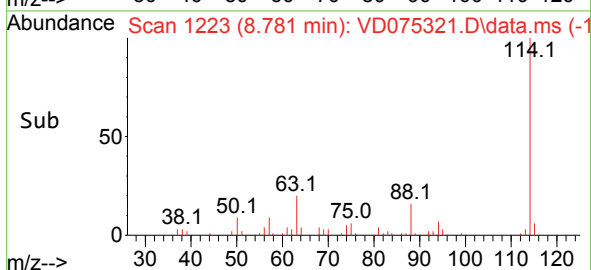
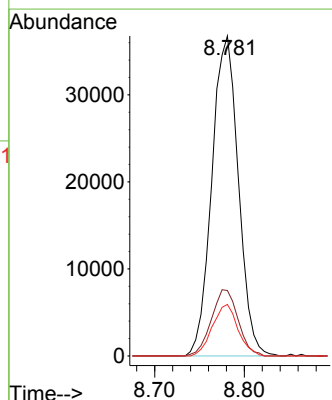
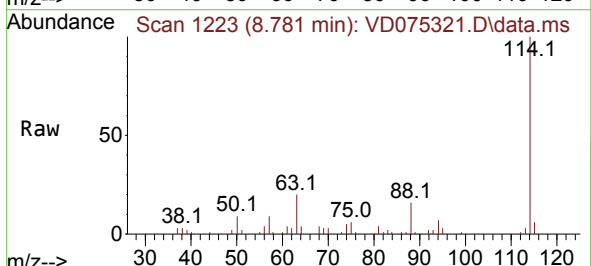
Tgt Ion: 114 Resp: 75480

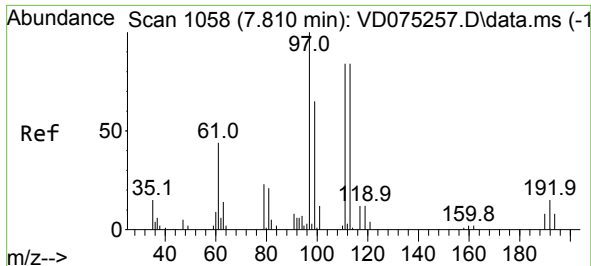
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 16.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.196 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD075321.D

Acq: 13 Feb 2023 12:07

Instrument :

MSVOA_D

ClientSampleId :

EO-03-021023

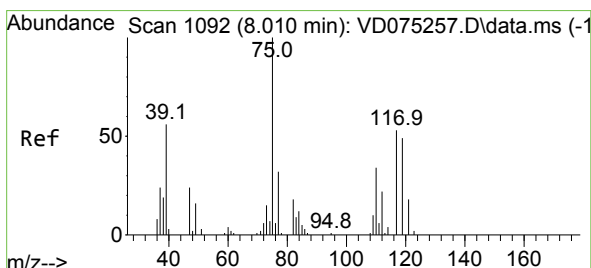
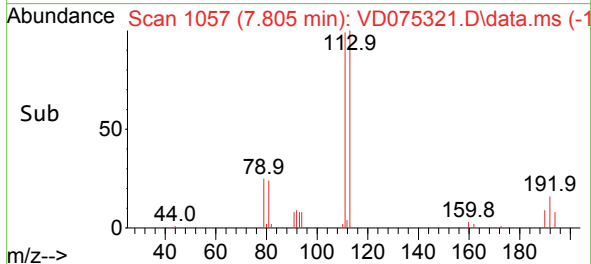
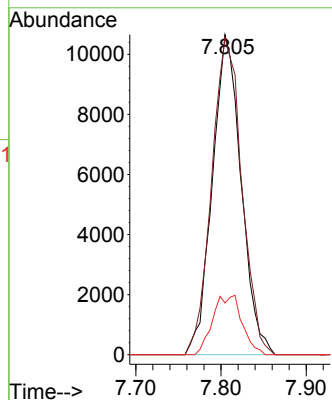
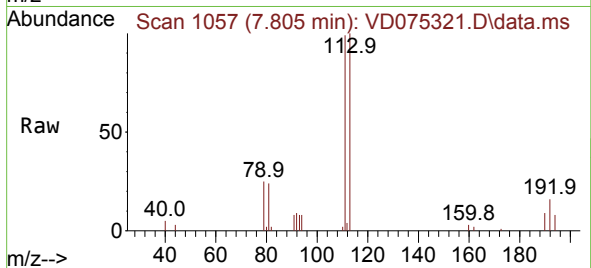
Tgt Ion:113 Resp: 24979

Ion Ratio Lower Upper

113 100

111 104.0 80.1 120.1

192 19.0 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.510 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075321.D

Acq: 13 Feb 2023 12:07

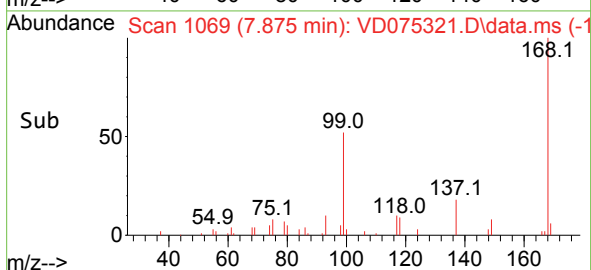
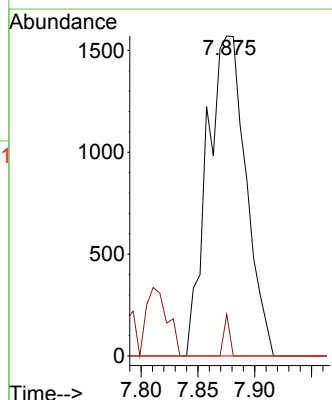
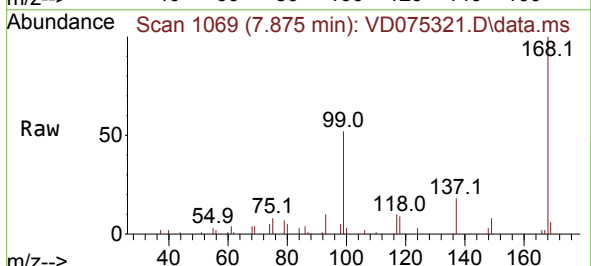
Tgt Ion: 75 Resp: 3718

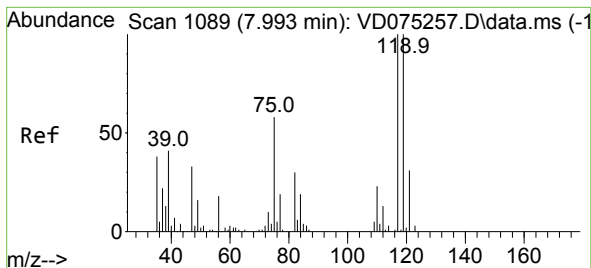
Ion Ratio Lower Upper

75 100

110 1.9 18.1 54.4#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.804 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD075321.D

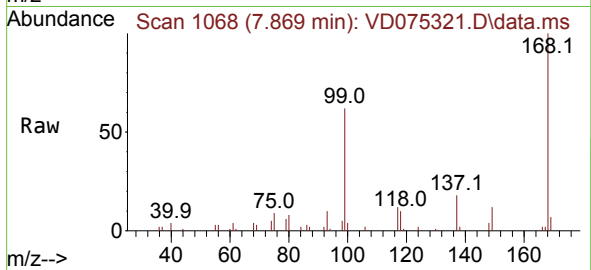
Acq: 13 Feb 2023 12:07

Instrument :

MSVOA_D

ClientSampleId :

EO-03-021023



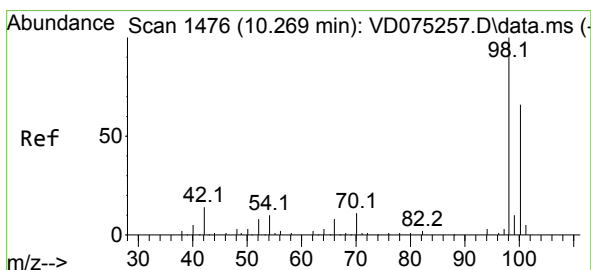
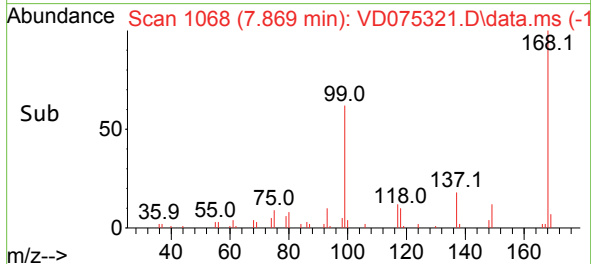
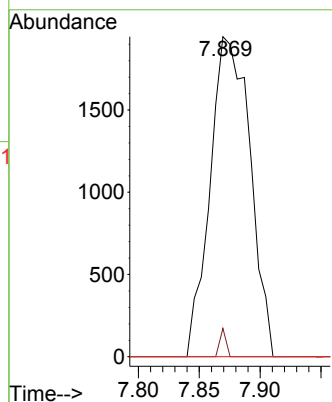
Tgt Ion:117 Resp: 4434

Ion Ratio Lower Upper

117 100

119 8.9 73.6 110.4#

121 0.0 25.4 38.0#



#50

Toluene-d8

Concen: 46.555 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075321.D

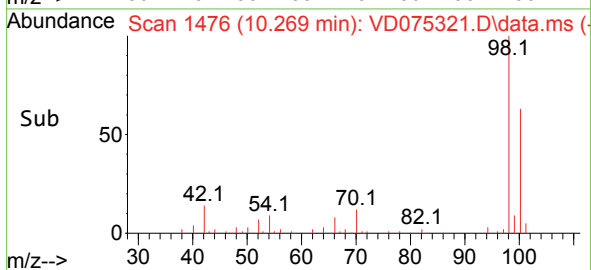
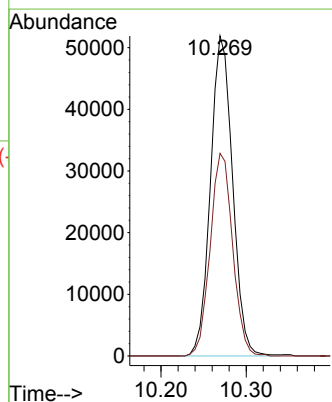
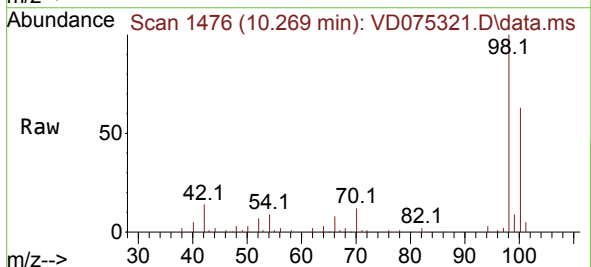
Acq: 13 Feb 2023 12:07

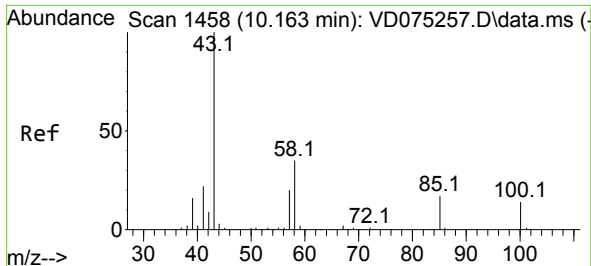
Tgt Ion: 98 Resp: 93443

Ion Ratio Lower Upper

98 100

100 64.4 52.7 79.1

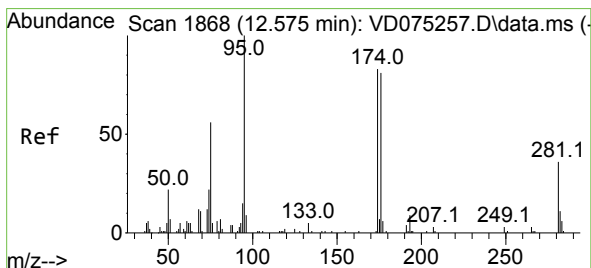
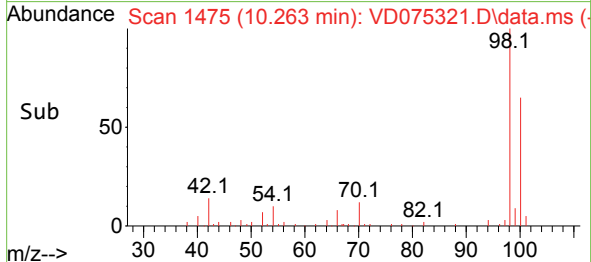
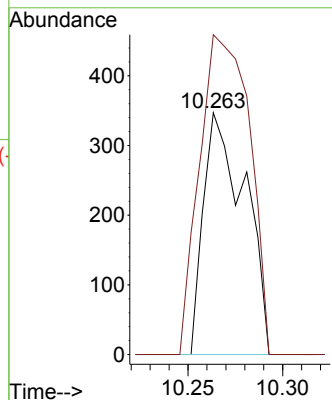
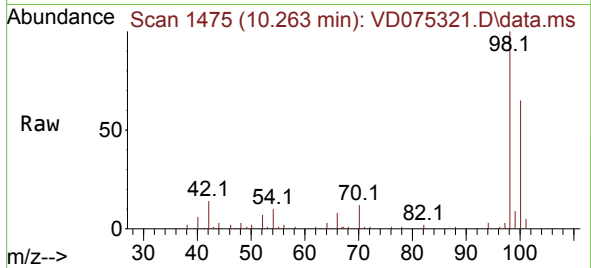




#51
4-Methyl-2-Pentanone
Concen: 1.514 ug/l
RT: 10.263 min Scan# 1458
Delta R.T. 0.100 min
Lab File: VD075321.D
Acq: 13 Feb 2023 12:07

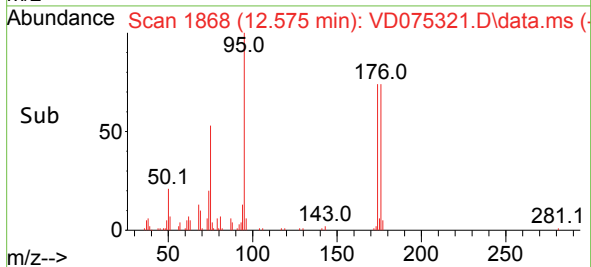
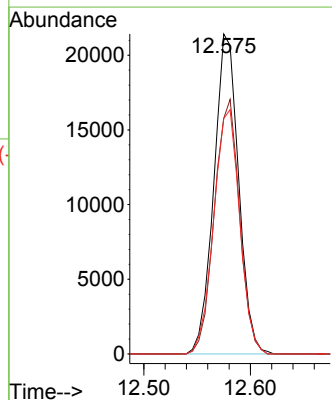
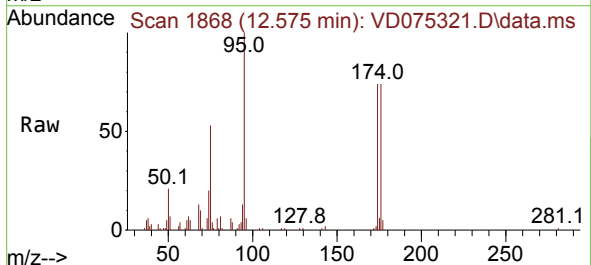
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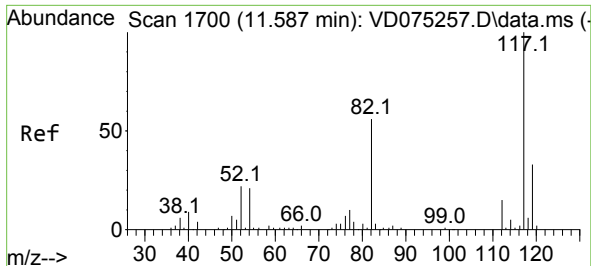
Tgt Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
58 160.1 31.4 47.0#



#62
4-Bromofluorobenzene
Concen: 52.157 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD075321.D
Acq: 13 Feb 2023 12:07

Tgt Ion: 95 Resp: 34519
Ion Ratio Lower Upper
95 100
174 80.7 0.0 161.2
176 79.9 0.0 160.2

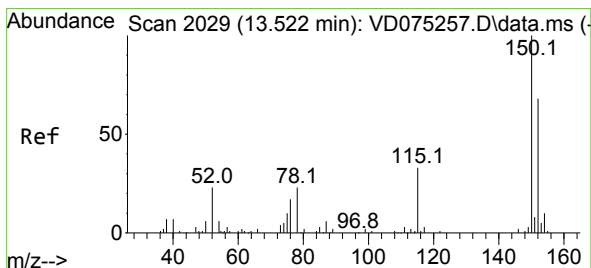
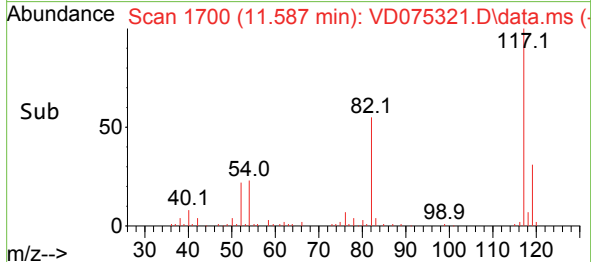
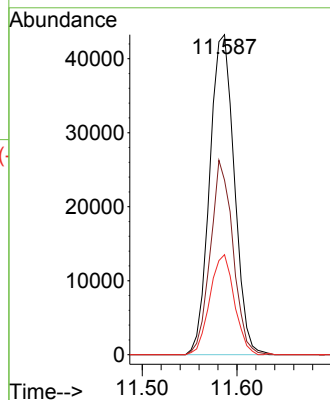
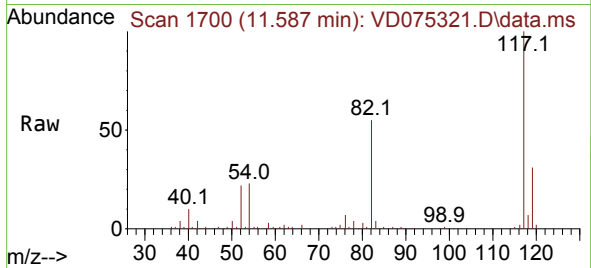




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075321.D
Acq: 13 Feb 2023 12:07

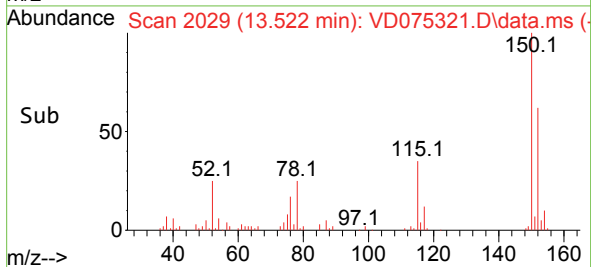
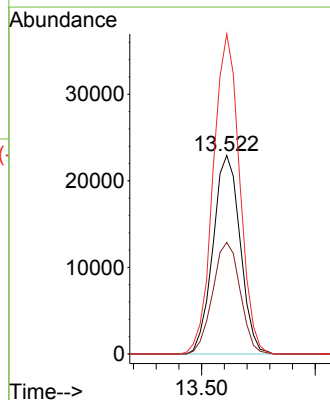
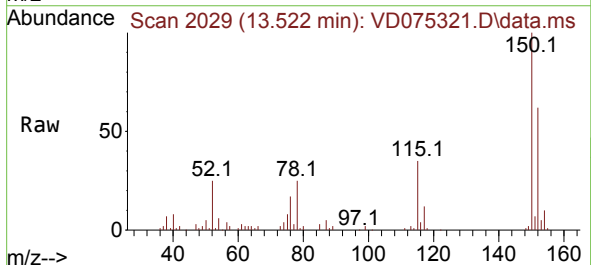
Instrument :
MSVOA_D
ClientSampleId :
EO-03-021023

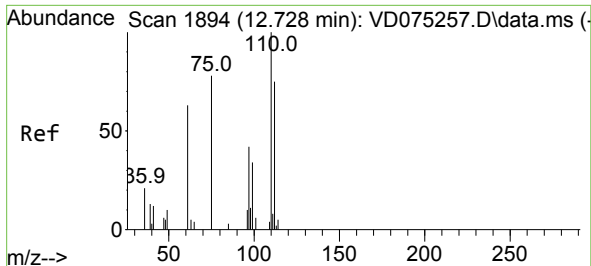
Tgt Ion:117 Resp: 78034
Ion Ratio Lower Upper
117 100
82 54.6 39.6 59.4
119 31.3 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD075321.D
Acq: 13 Feb 2023 12:07

Tgt Ion:152 Resp: 38158
Ion Ratio Lower Upper
152 100
115 56.9 28.8 86.4
150 156.4 0.0 348.6

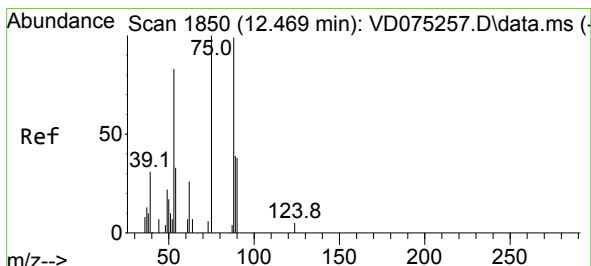
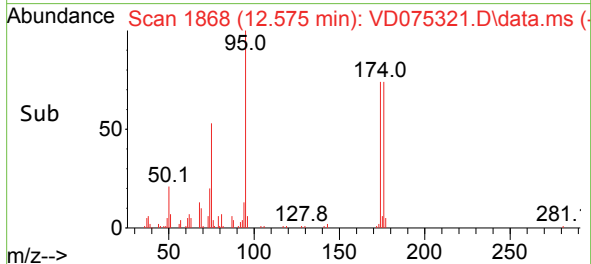
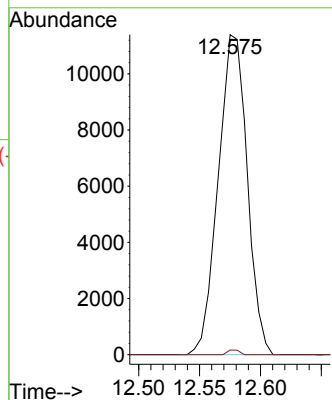
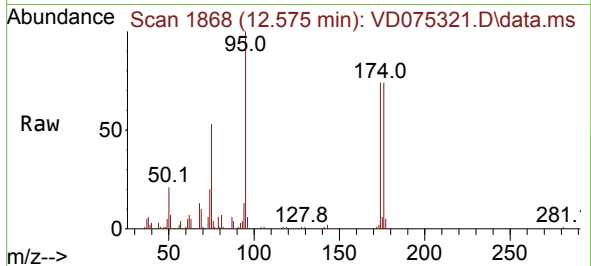




#76
1,2,3-Trichloropropane
Concen: 43.491 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075321.D
Acq: 13 Feb 2023 12:07

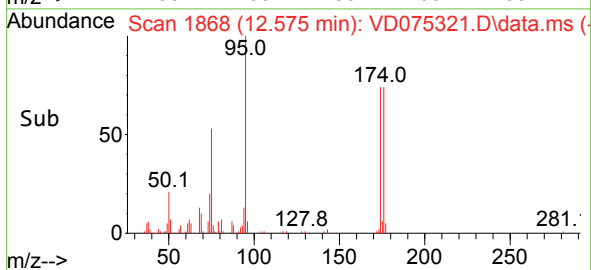
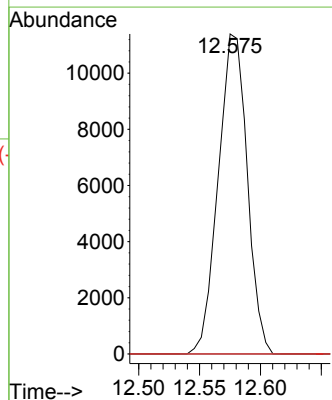
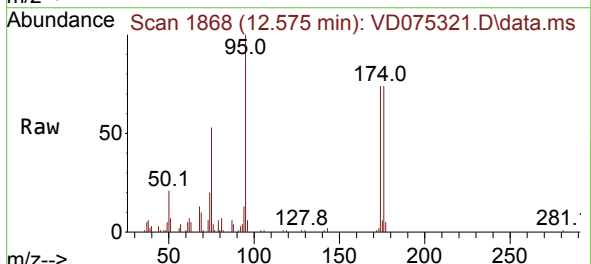
Instrument :
MSVOA_D
ClientSampleId :
EO-03-021023

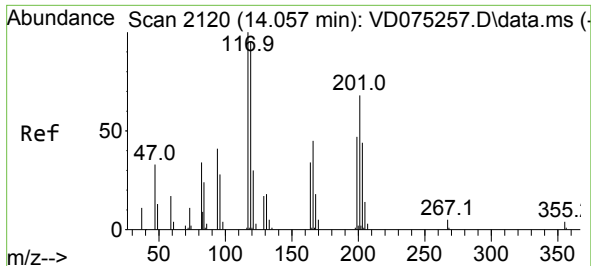
Tgt Ion: 75 Resp: 18850
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.353 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075321.D
Acq: 13 Feb 2023 12:07

Tgt Ion: 75 Resp: 18850
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

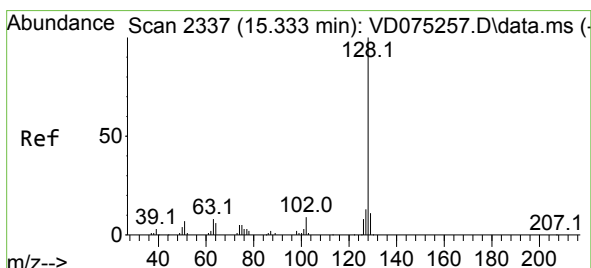
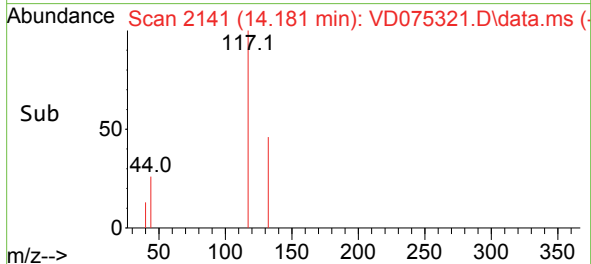
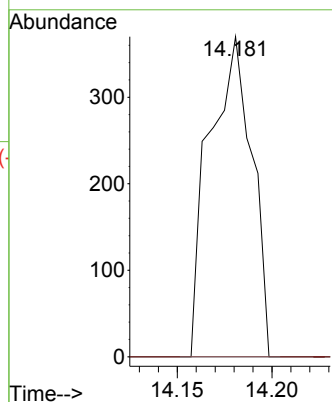
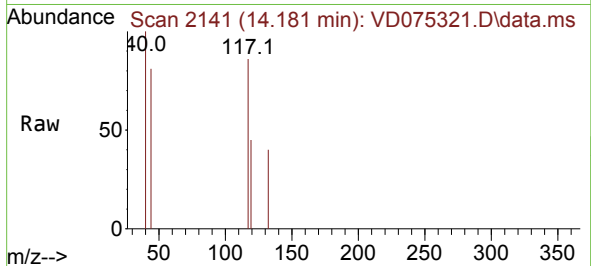




#90
Hexachloroethane
Concen: 1.051 ug/l
RT: 14.181 min Scan# 2120
Delta R.T. 0.124 min
Lab File: VD075321.D
Acq: 13 Feb 2023 12:07

Instrument :
MSVOA_D
ClientSampleId :
EO-03-021023

Tgt Ion:117 Resp: 577
Ion Ratio Lower Upper
117 100
201 0.0 35.1 105.5#



#95
Naphthalene
Concen: 2.840 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.001 min
Lab File: VD075321.D
Acq: 13 Feb 2023 12:07

Tgt Ion:128 Resp: 4064
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 9.9 8.7 13.1

