

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040723\
 Data File : VD075602.D
 Acq On : 07 Apr 2023 15:47
 Operator : KP/SY
 Sample : 02209-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124055

Quant Time: Apr 10 02:06:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 23:52:37 2023
 Response via : Initial Calibration

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

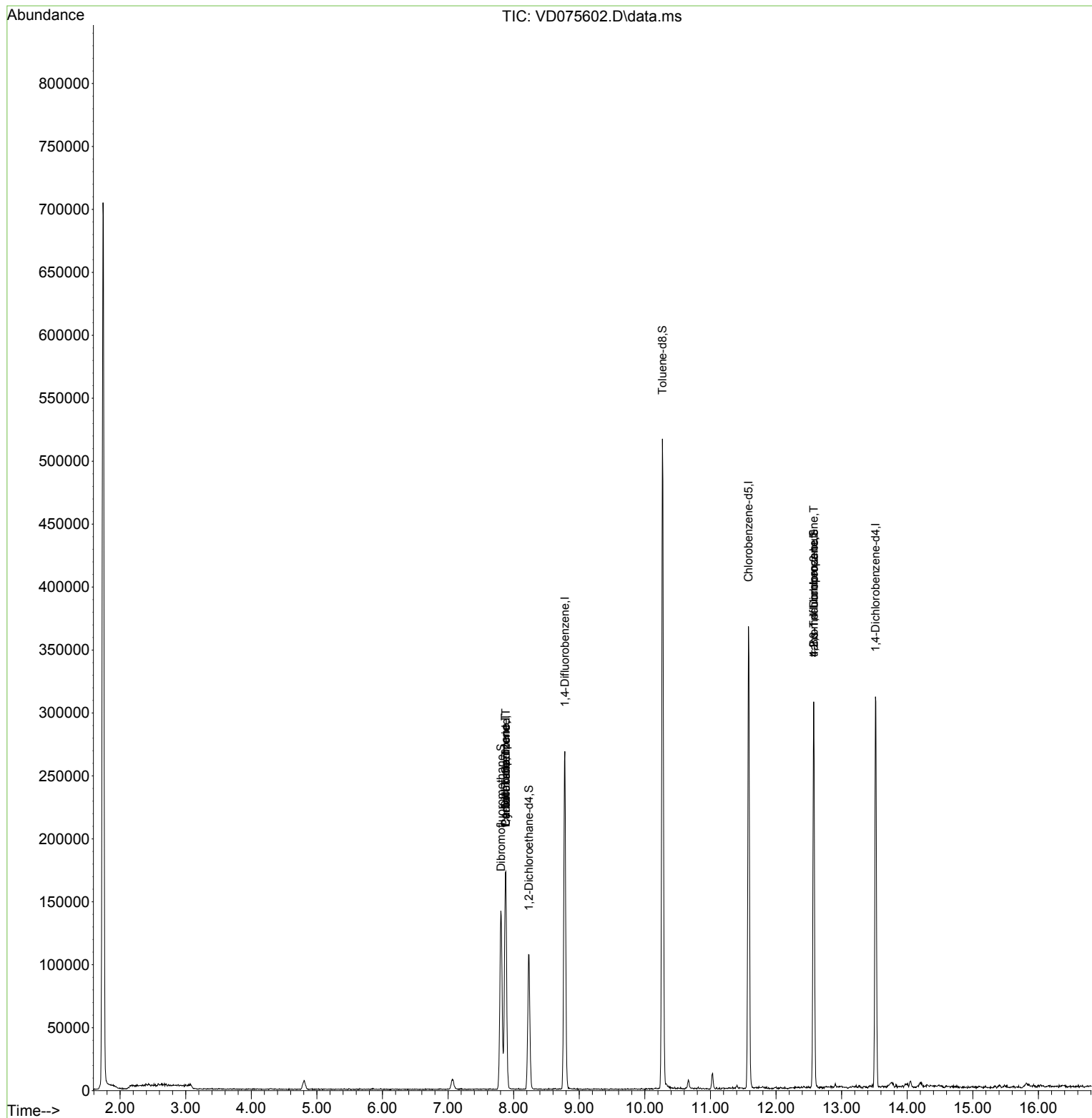
Internal Standards						
1) Pentafluorobenzene	7.881	168	144646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	258716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	230850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	92360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	82743	63.043	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.080%	
35) Dibromofluoromethane	7.810	113	106925	60.343	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.680%	
50) Toluene-d8	10.269	98	382575	54.654	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.300%	
62) 4-Bromofluorobenzene	12.575	95	95434	47.161	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	391	Below Cal	#	40
16) Acetone	4.040	43	231	Below Cal	#	44
20) Methylene Chloride	4.811	84	5855	Below Cal	#	75
31) Cyclohexane	7.881	56	2690	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	10381	3.953	ug/l #	50
38) Carbon Tetrachloride	7.881	117	13611	5.410	ug/l #	20
76) 1,2,3-Trichloropropane	12.575	75	48594	64.152	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	48594	134.938	ug/l #	5

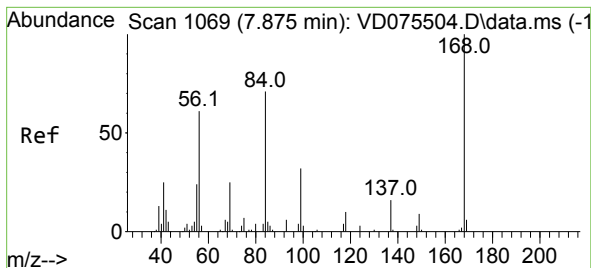
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD075602.D

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Instrument :

MSVOA_D

ClientSampleId :

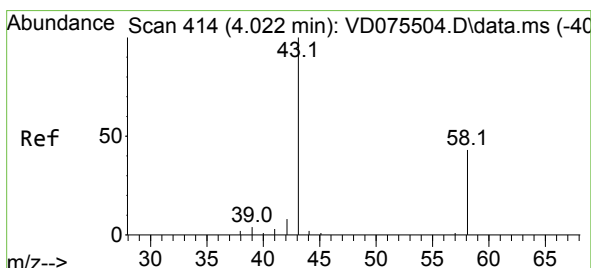
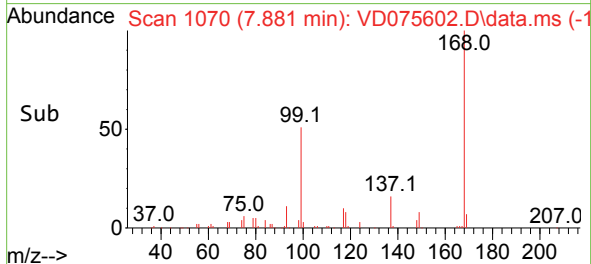
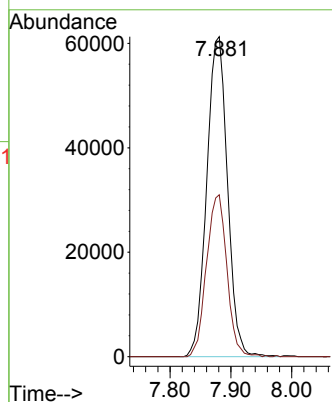
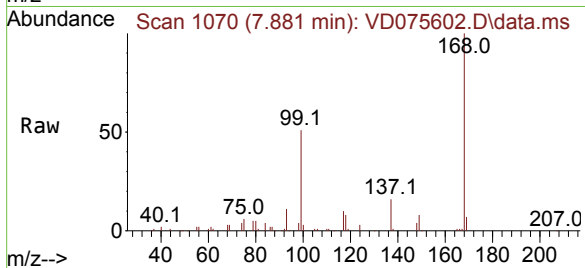
PSC-124055

Tgt Ion:168 Resp: 144646

Ion Ratio Lower Upper

168 100

99 50.6 43.8 65.6



#16

Acetone

Concen: Below Cal

RT: 4.040 min Scan# 417

Delta R.T. 0.018 min

Lab File: VD075602.D

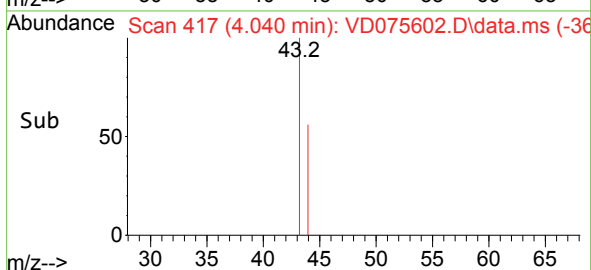
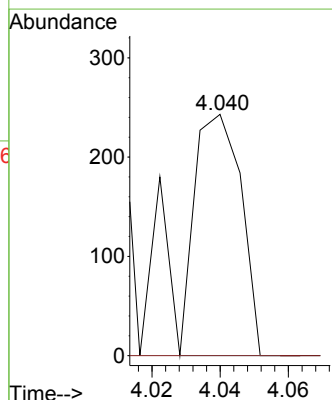
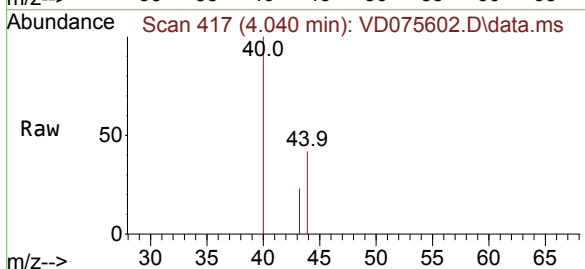
Acq: 07 Apr 2023 15:47

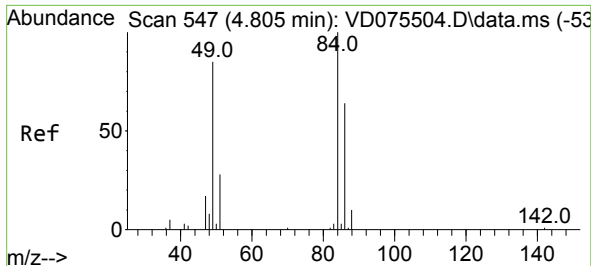
Tgt Ion: 43 Resp: 231

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.811 min Scan# 54

Delta R.T. 0.006 min

Lab File: VD075602.D

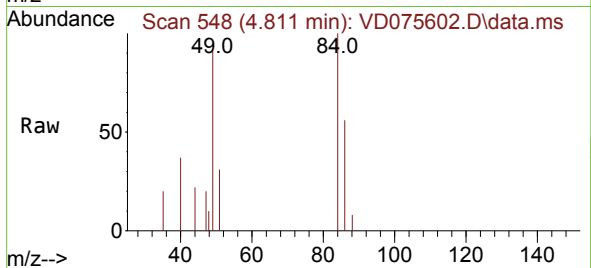
Acq: 07 Apr 2023 15:47

Instrument :

MSVOA_D

ClientSampleId :

PSC-124055



Tgt Ion: 84 Resp: 5855

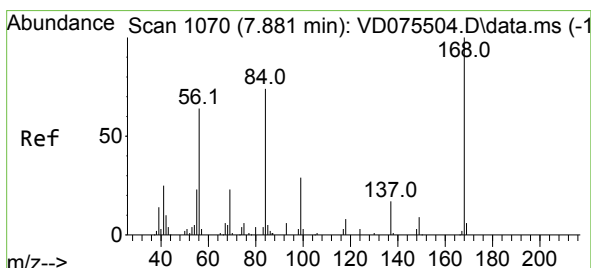
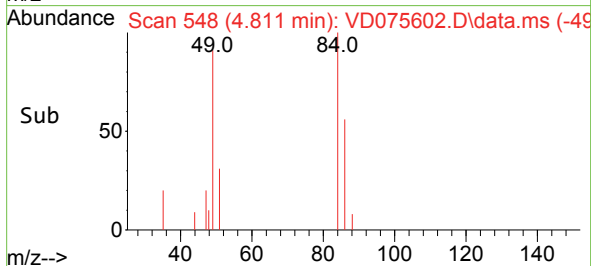
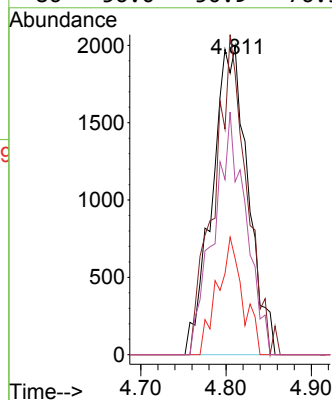
Ion Ratio Lower Upper

84 100

49 91.3 106.4 159.6#

51 31.3 32.4 48.6#

86 56.0 50.9 76.3



#31

Cyclohexane

Concen: 1.151 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD075602.D

Acq: 07 Apr 2023 15:47

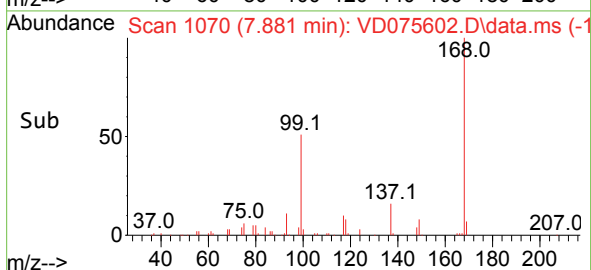
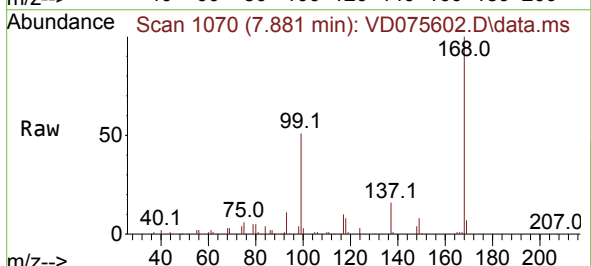
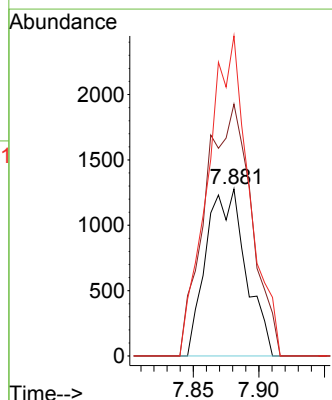
Tgt Ion: 56 Resp: 2690

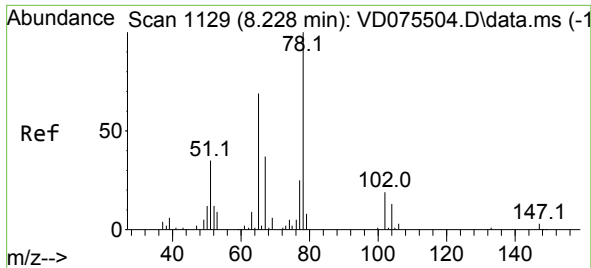
Ion Ratio Lower Upper

56 100

69 150.8 25.5 38.3#

84 191.5 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 63.043 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD075602.D

Acq: 07 Apr 2023 15:47

Instrument :

MSVOA_D

ClientSampleId :

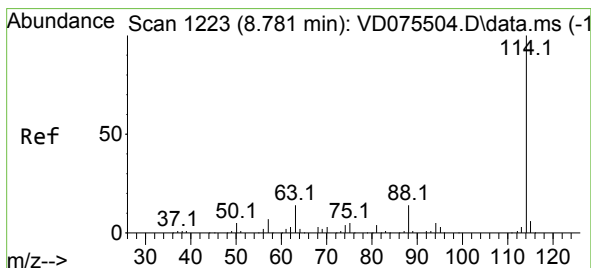
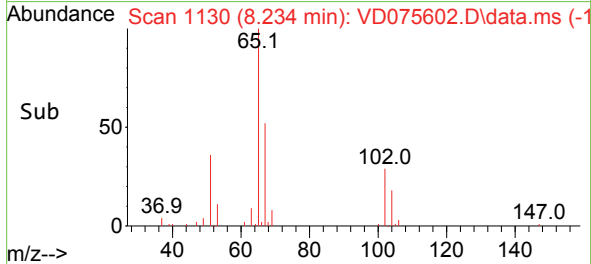
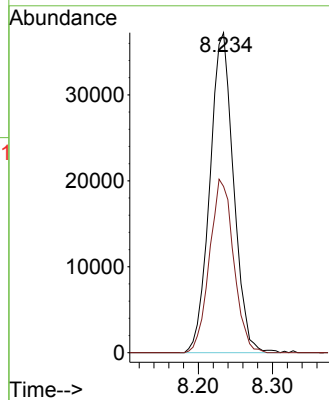
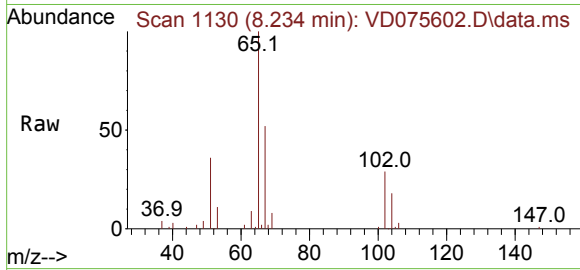
PSC-124055

Tgt Ion: 65 Resp: 82743

Ion Ratio Lower Upper

65 100

67 55.2 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD075602.D

Acq: 07 Apr 2023 15:47

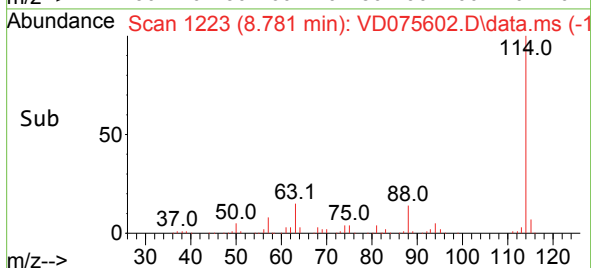
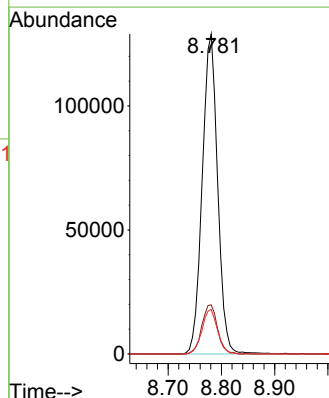
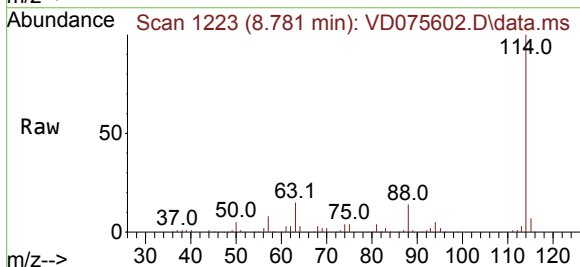
Tgt Ion: 114 Resp: 258716

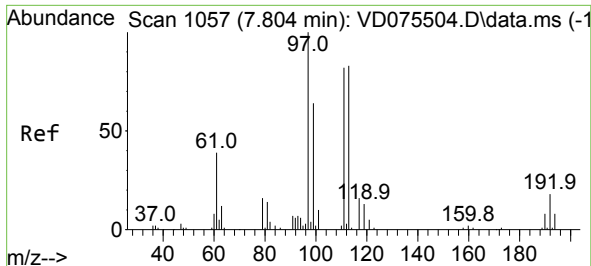
Ion Ratio Lower Upper

114 100

63 15.4 0.0 41.6

88 13.9 0.0 30.6

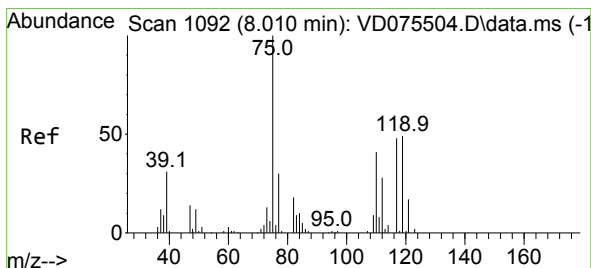
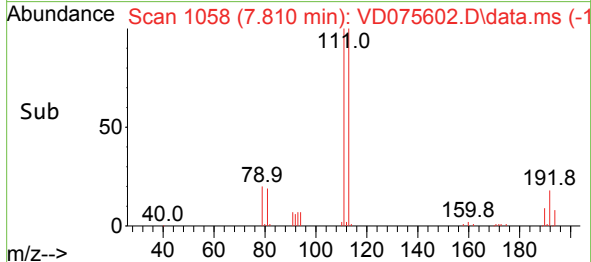
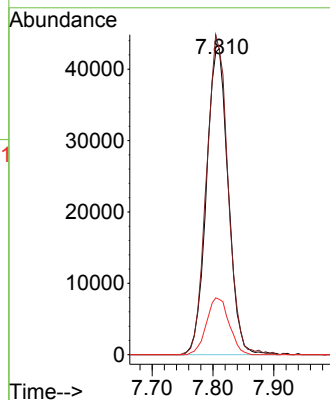
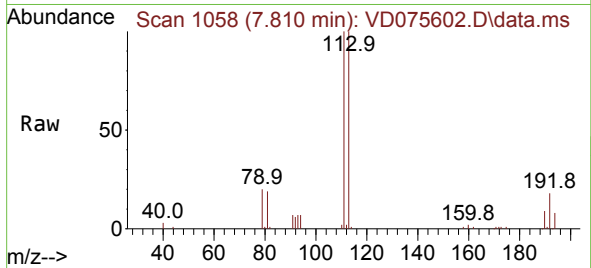




#35
Dibromofluoromethane
Concen: 60.343 ug/l
RT: 7.810 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075602.D
Acq: 07 Apr 2023 15:47

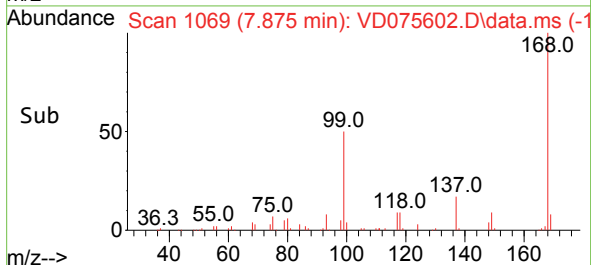
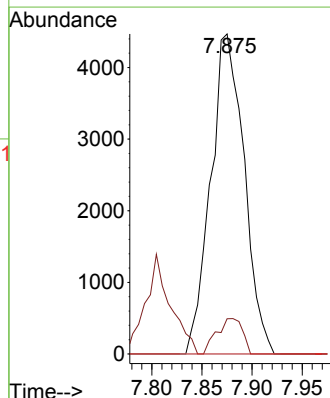
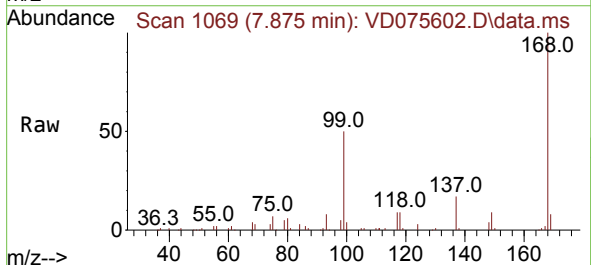
Instrument :
MSVOA_D
ClientSampleId :
PSC-124055

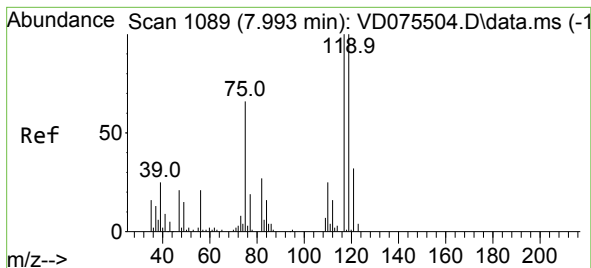
Tgt Ion:113 Resp: 106925
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 19.2 15.2 22.8



#36
1,1-Dichloropropene
Concen: 3.953 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD075602.D
Acq: 07 Apr 2023 15:47

Tgt Ion: 75 Resp: 10381
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.410 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

Lab File: VD075602.D

Acq: 07 Apr 2023 15:47

Instrument :

MSVOA_D

ClientSampleId :

PSC-124055

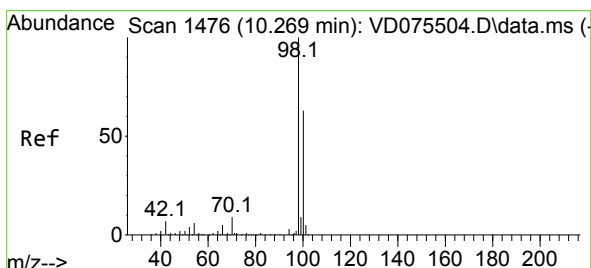
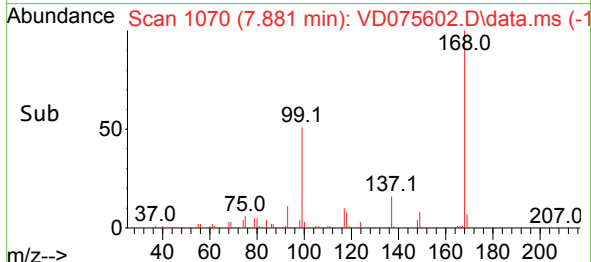
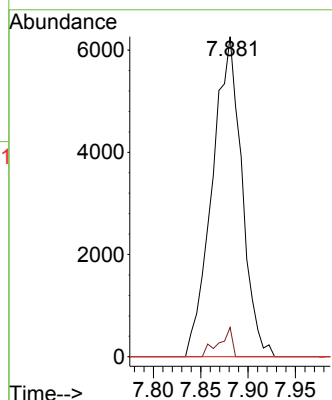
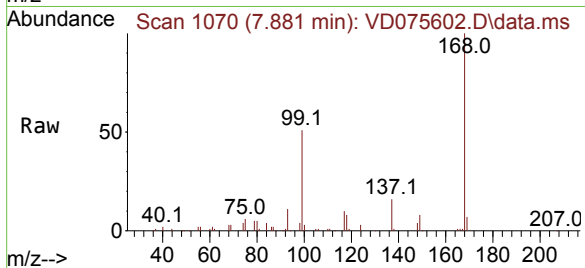
Tgt Ion:117 Resp: 13611

Ion Ratio Lower Upper

117 100

119 9.1 74.7 112.1#

121 0.0 25.9 38.9#



#50

Toluene-d8

Concen: 54.654 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075602.D

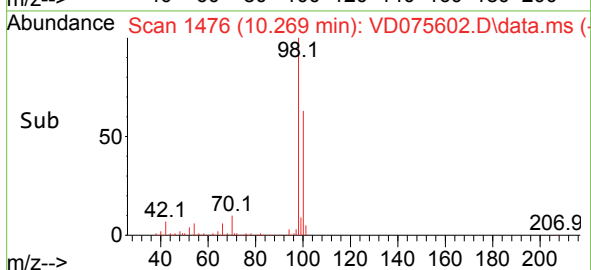
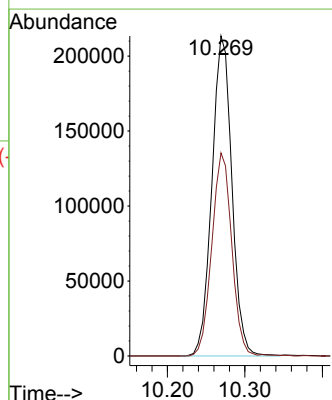
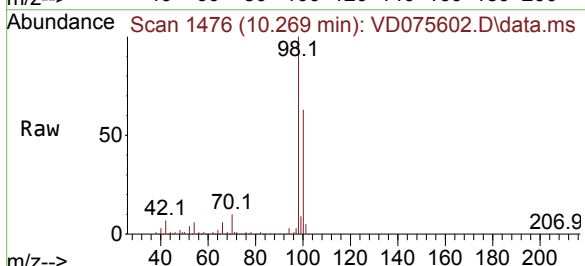
Acq: 07 Apr 2023 15:47

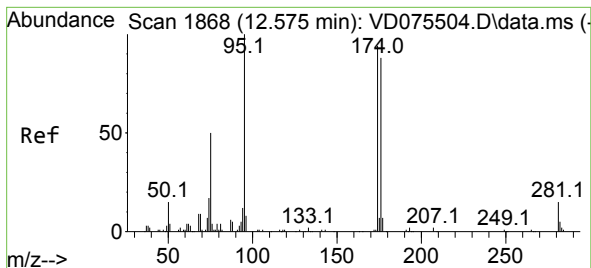
Tgt Ion: 98 Resp: 382575

Ion Ratio Lower Upper

98 100

100 63.4 52.1 78.1

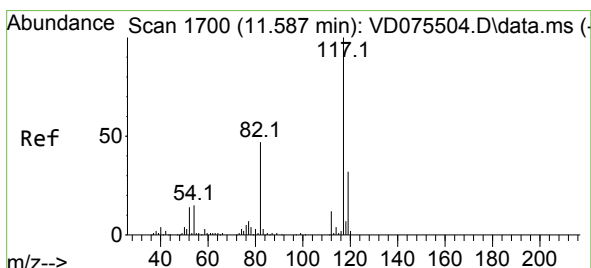
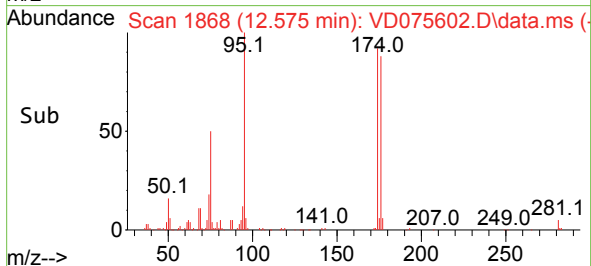
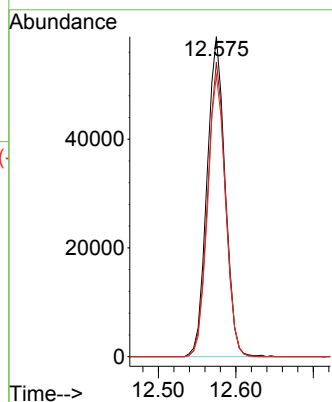
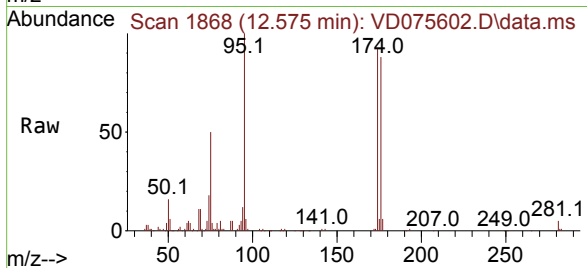




#62
4-Bromofluorobenzene
Concen: 47.161 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075602.D
Acq: 07 Apr 2023 15:47

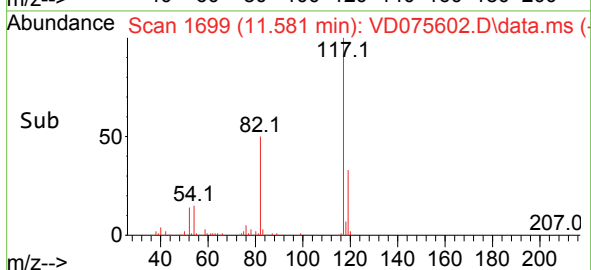
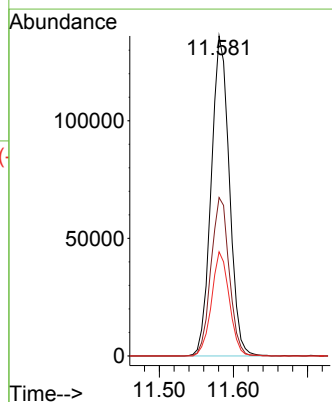
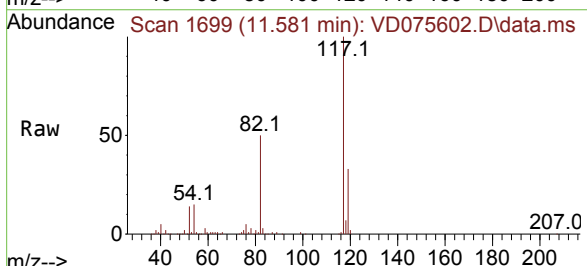
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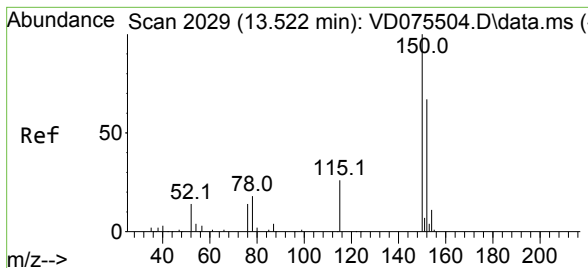
Tgt Ion:	95	Resp:	95434
Ion Ratio	Lower	Upper	
95	100		
174	90.2	0.0	164.0
176	87.4	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075602.D
Acq: 07 Apr 2023 15:47

Tgt Ion:	117	Resp:	230850
Ion Ratio	Lower	Upper	
117	100		
82	49.5	44.0	66.0
119	32.6	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD075602.D

Acq: 07 Apr 2023 15:47

Instrument :

MSVOA_D

ClientSampleId :

PSC-124055

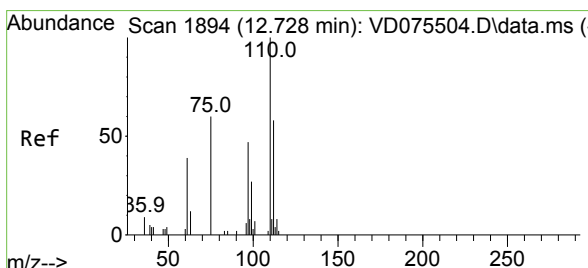
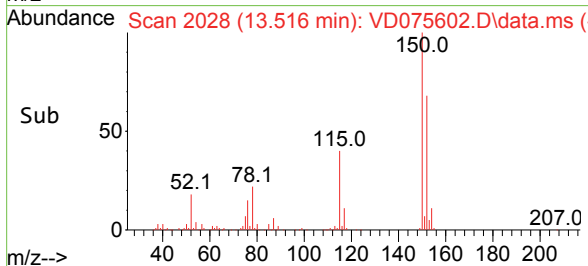
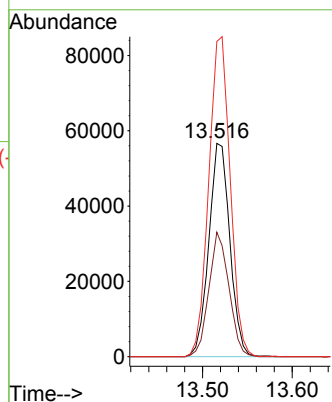
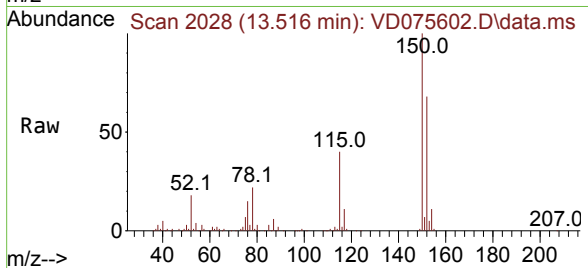
Tgt Ion:152 Resp: 92360

Ion Ratio Lower Upper

152 100

115 55.6 30.1 90.3

150 152.5 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 64.152 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075602.D

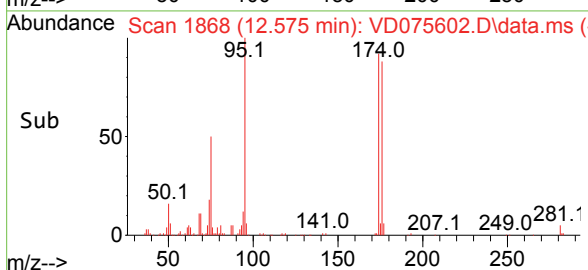
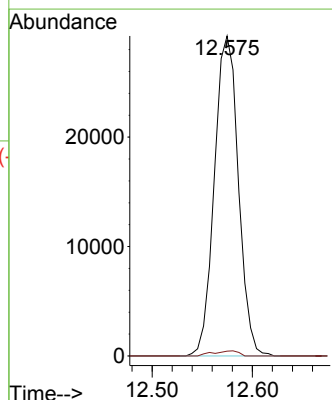
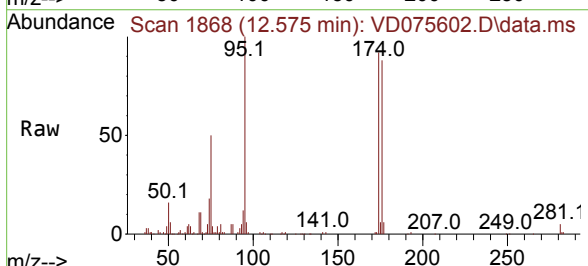
Acq: 07 Apr 2023 15:47

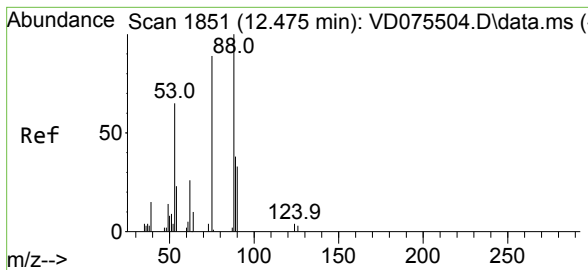
Tgt Ion: 75 Resp: 48594

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.938 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075602.D
 Acq: 07 Apr 2023 15:47

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC-124055

Tgt Ion: 75 Resp: 48594
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 40.2 60.4#

