

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042423\
 Data File : VD075797.D
 Acq On : 24 Apr 2023 16:52
 Operator : KP/SY
 Sample : 02472-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FP-1

Quant Time: Apr 25 06:10:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

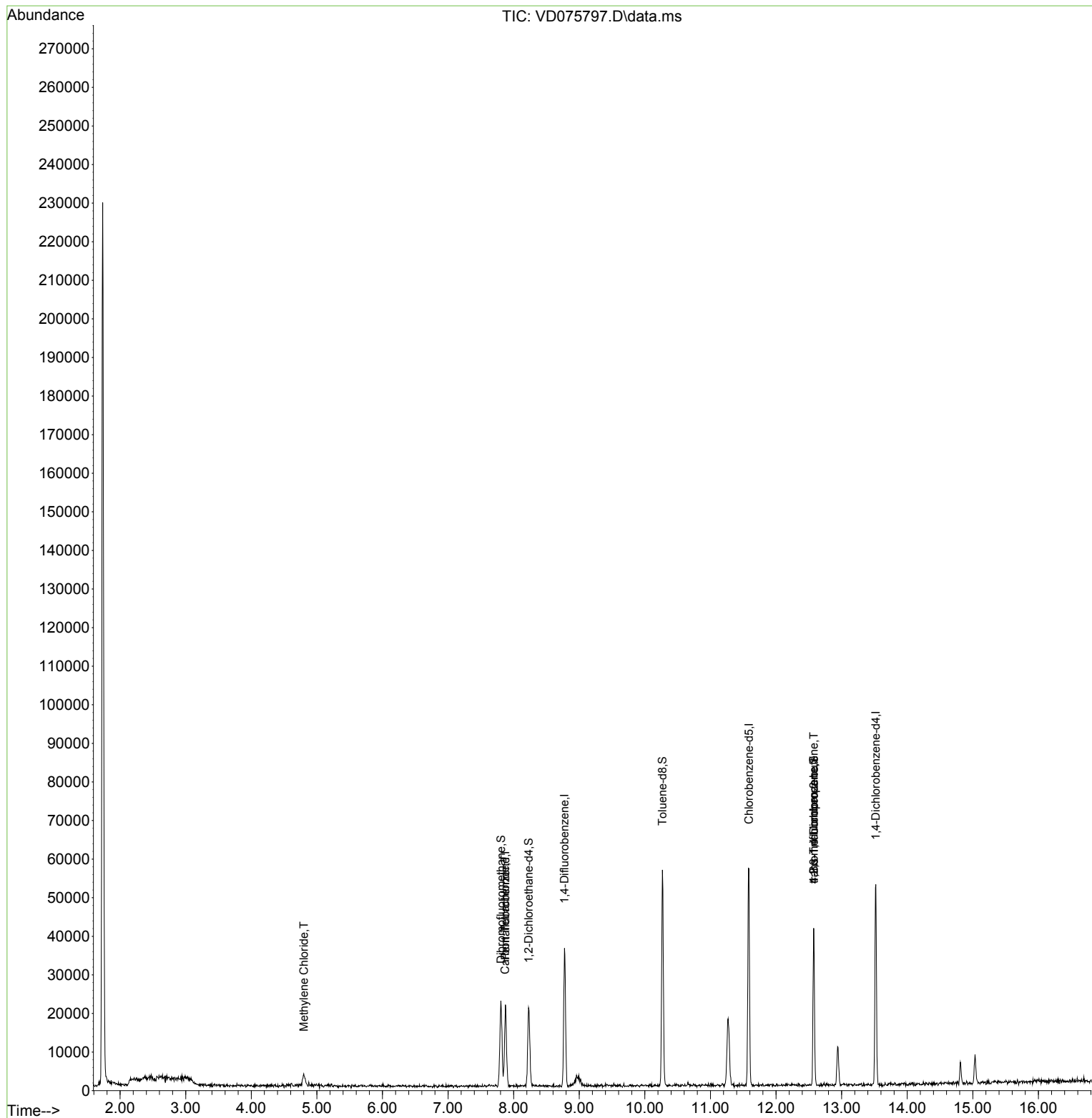
Internal Standards						
1) Pentafluorobenzene	7.875	168	17352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	36861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	38671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	15803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	16739	101.631	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 203.260%#	
35) Dibromofluoromethane	7.810	113	16669	67.234	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.460%	
50) Toluene-d8	10.269	98	43096	43.407	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 86.820%	
62) 4-Bromofluorobenzene	12.575	95	13005	49.281	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.560%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.805	84	2320	5.868	ug/l #	63
38) Carbon Tetrachloride	7.869	117	1681	5.581	ug/l #	13
76) 1,2,3-Trichloropropane	12.575	75	6414	49.770	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	6414	107.872	ug/l #	5

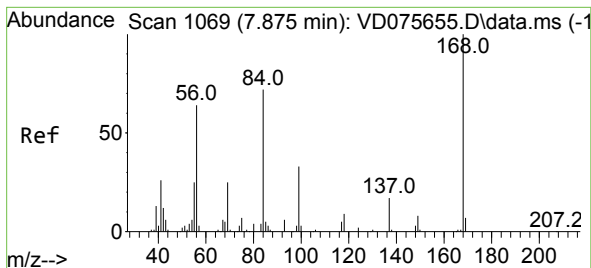
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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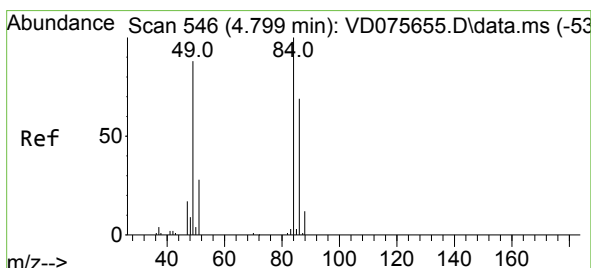
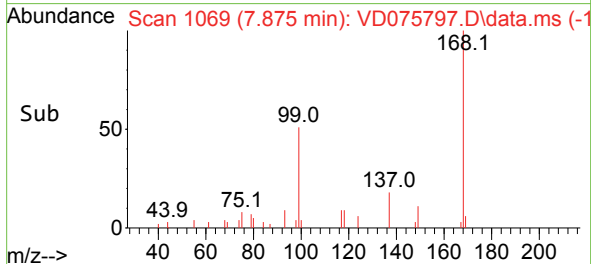
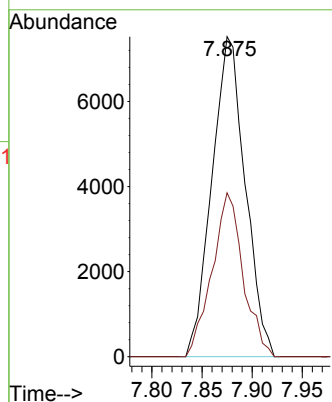
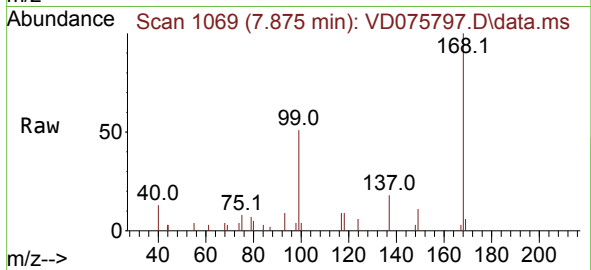




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075797.D
Acq: 24 Apr 2023 16:52

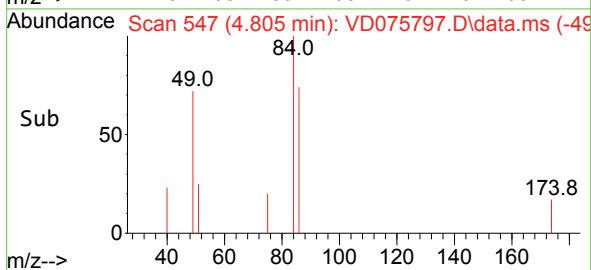
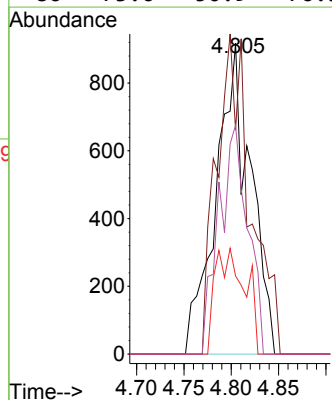
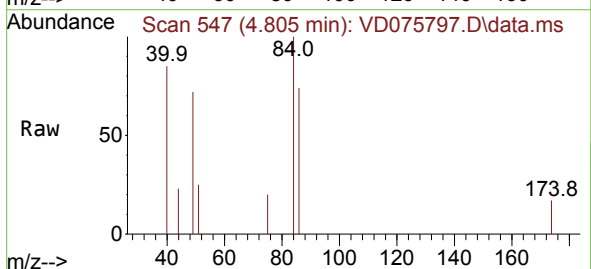
Instrument :
MSVOA_D
ClientSampleId :
FP-1

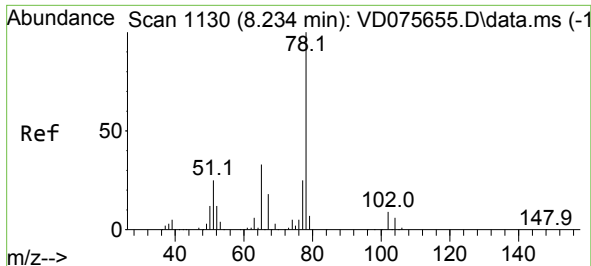
Tgt Ion:168 Resp: 17352
Ion Ratio Lower Upper
168 100
99 51.2 43.8 65.6



#20
Methylene Chloride
Concen: 5.868 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075797.D
Acq: 24 Apr 2023 16:52

Tgt Ion: 84 Resp: 2320
Ion Ratio Lower Upper
84 100
49 72.0 106.4 159.6#
51 25.2 32.4 48.6#
86 73.6 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 101.631 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075797.D

Acq: 24 Apr 2023 16:52

Instrument :

MSVOA_D

ClientSampleId :

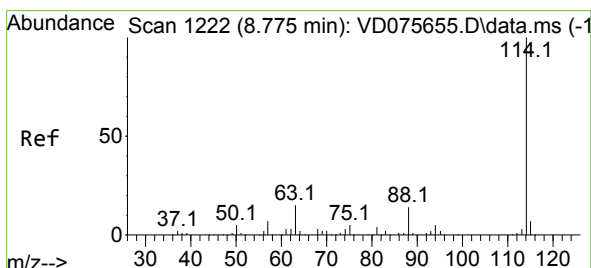
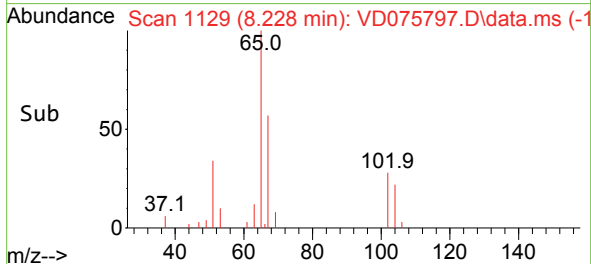
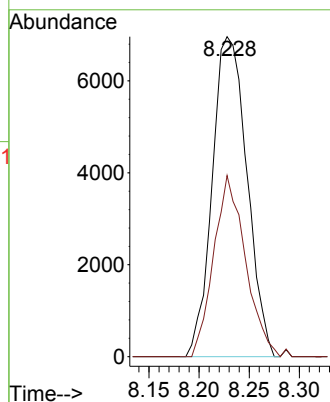
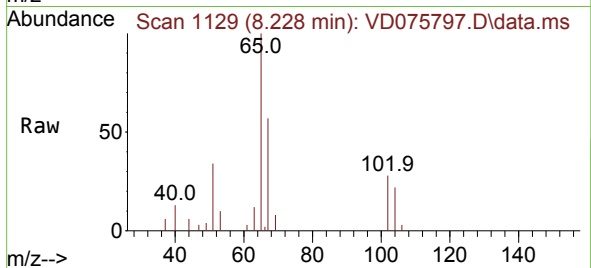
FP-1

Tgt Ion: 65 Resp: 16739

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD075797.D

Acq: 24 Apr 2023 16:52

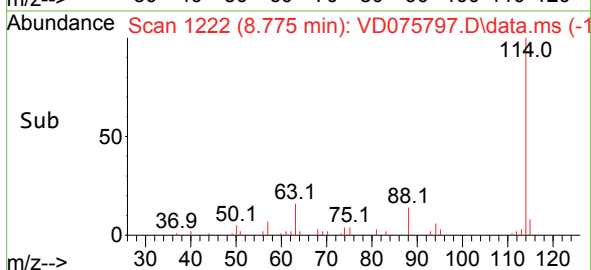
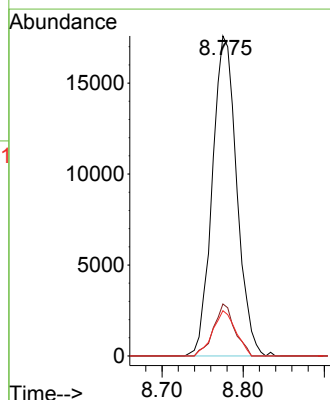
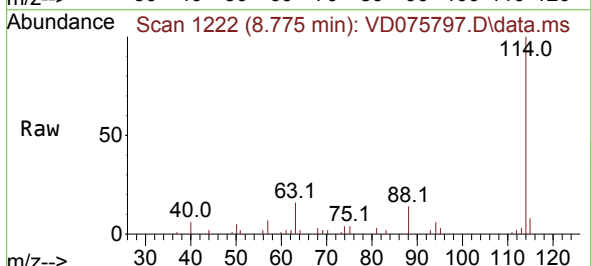
Tgt Ion: 114 Resp: 36861

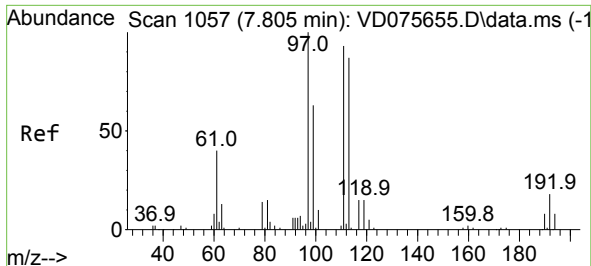
Ion Ratio Lower Upper

114 100

63 16.2 0.0 41.6

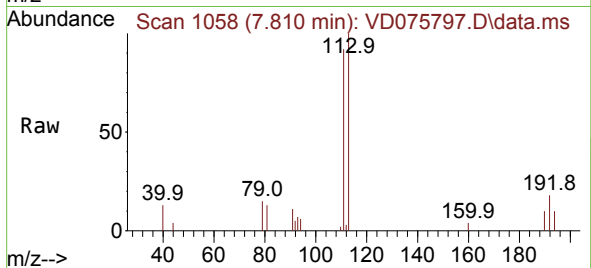
88 14.1 0.0 30.6



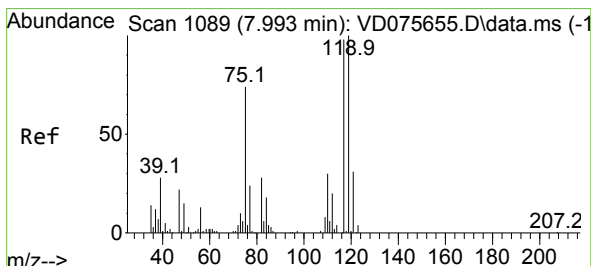
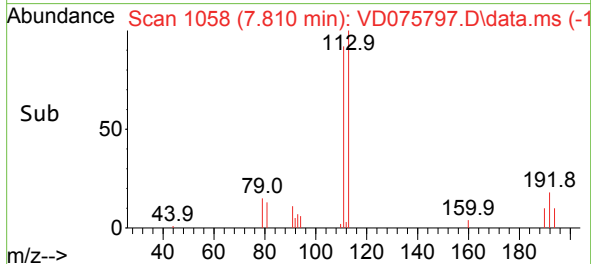
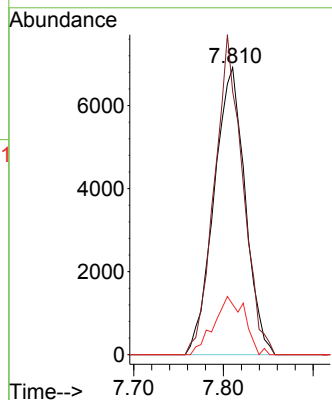


#35
 Dibromofluoromethane
 Concen: 67.234 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.005 min
 Lab File: VD075797.D
 Acq: 24 Apr 2023 16:52

Instrument :
 MSVOA_D
 ClientSampleId :
 FP-1

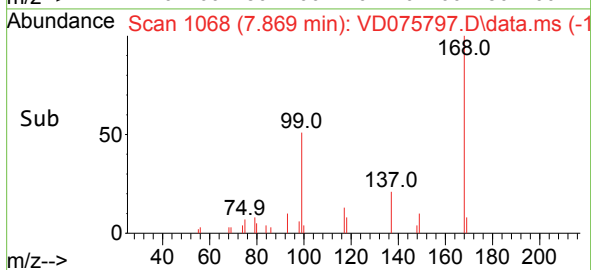
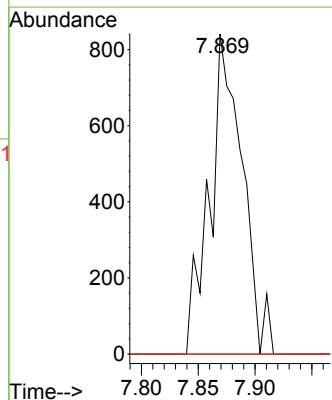
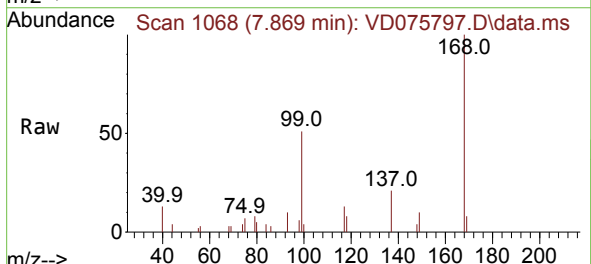


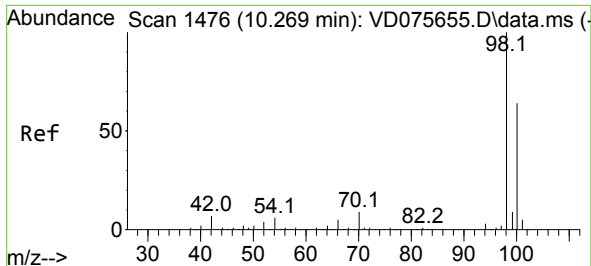
Tgt Ion:	113	Resp:	16669
Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.4	122.0
192	20.2	15.2	22.8



#38
 Carbon Tetrachloride
 Concen: 5.581 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.124 min
 Lab File: VD075797.D
 Acq: 24 Apr 2023 16:52

Tgt Ion:	117	Resp:	1681
Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.7	112.1#
121	0.0	25.9	38.9#





#50

Toluene-d8

Concen: 43.407 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075797.D

Acq: 24 Apr 2023 16:52

Instrument :

MSVOA_D

ClientSampleId :

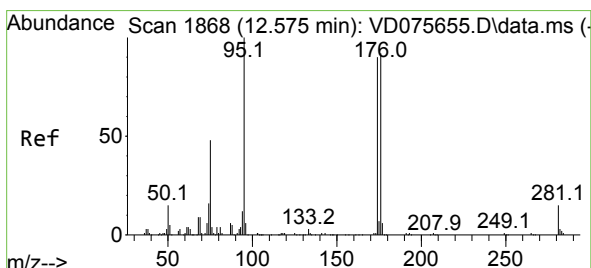
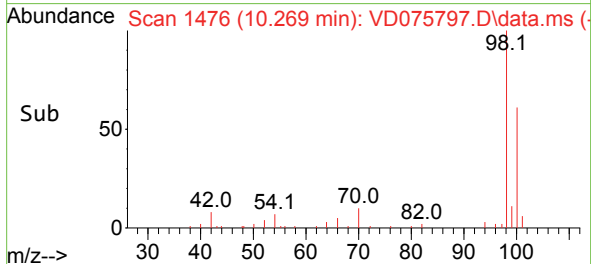
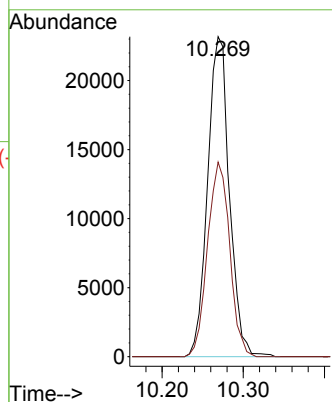
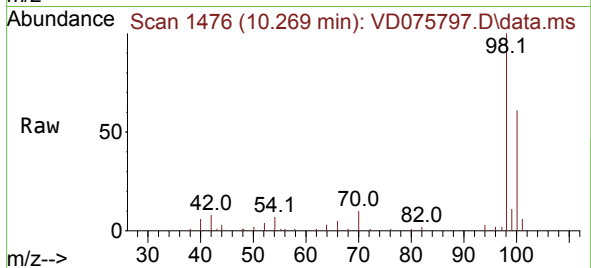
FP-1

Tgt Ion: 98 Resp: 43096

Ion Ratio Lower Upper

98 100

100 62.0 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 49.281 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075797.D

Acq: 24 Apr 2023 16:52

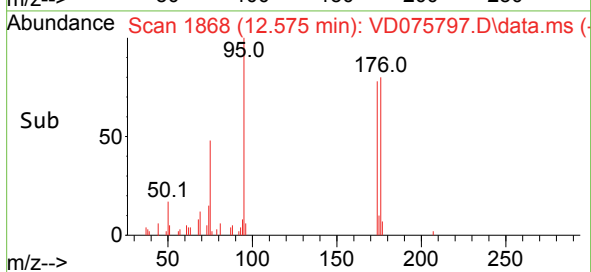
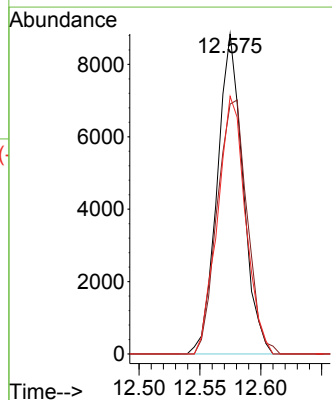
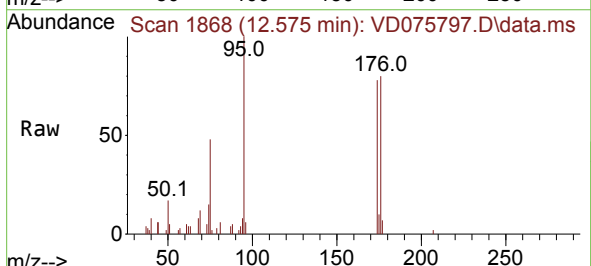
Tgt Ion: 95 Resp: 13005

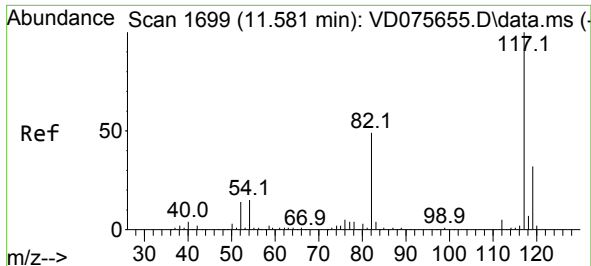
Ion Ratio Lower Upper

95 100

174 92.1 0.0 164.0

176 87.6 0.0 156.8

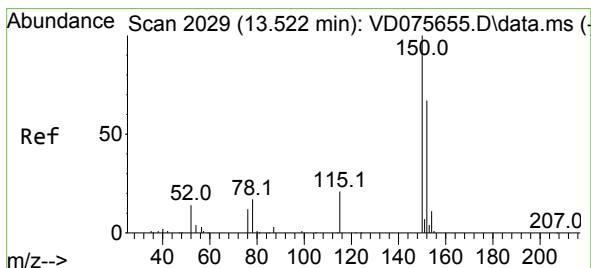
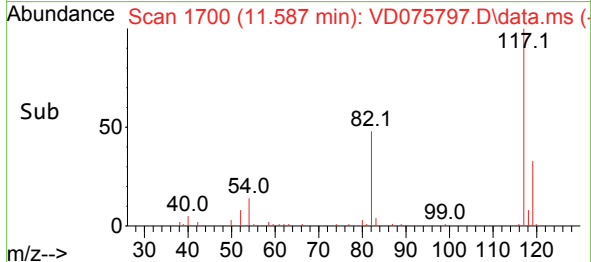
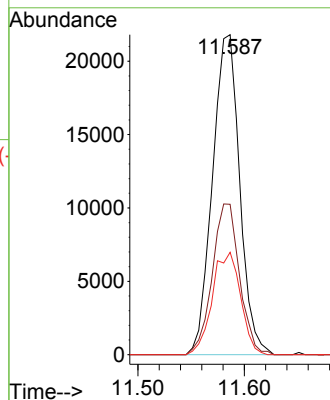
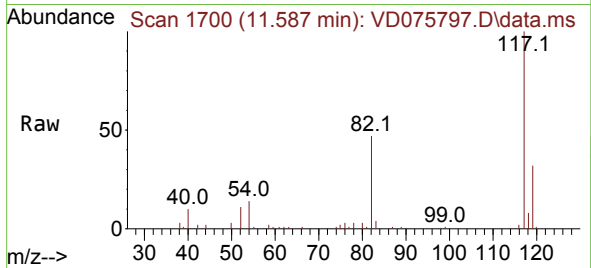




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075797.D
Acq: 24 Apr 2023 16:52

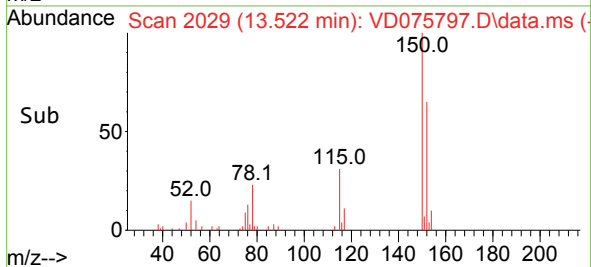
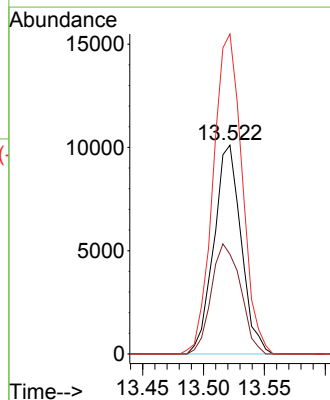
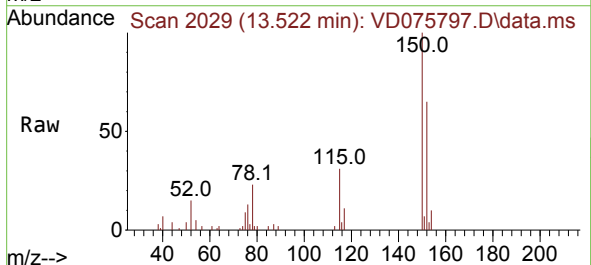
Instrument :
MSVOA_D
ClientSampleId :
FP-1

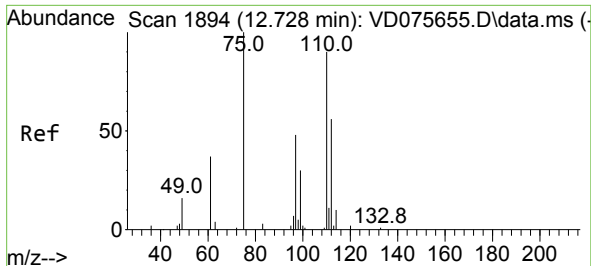
Tgt Ion:	117	Resp:	38671
Ion Ratio	Lower	Upper	
117	100		
82	47.0	44.0	66.0
119	32.0	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075797.D
Acq: 24 Apr 2023 16:52

Tgt Ion:	152	Resp:	15803
Ion Ratio	Lower	Upper	
152	100		
115	56.5	30.1	90.3
150	162.3	0.0	364.8

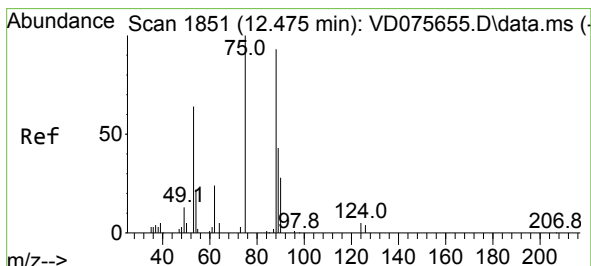
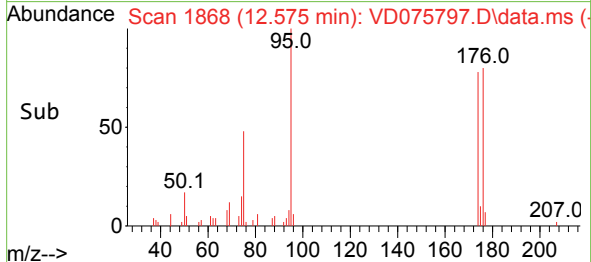
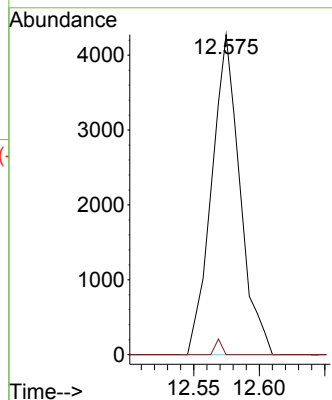
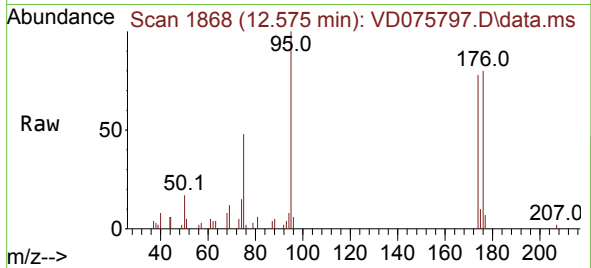




#76
1,2,3-Trichloropropane
Concen: 49.770 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075797.D
Acq: 24 Apr 2023 16:52

Instrument :
MSVOA_D
ClientSampleId :
FP-1

Tgt Ion: 75 Resp: 6414
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.872 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075797.D
Acq: 24 Apr 2023 16:52

Tgt Ion: 75 Resp: 6414
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

