

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072624\
 Data File : VD079415.D
 Acq On : 26 Jul 2024 18:37
 Operator : RP/MD
 Sample : P3362-03
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11978

Quant Time: Jul 27 03:36:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 12:23:49 2024
 Response via : Initial Calibration

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

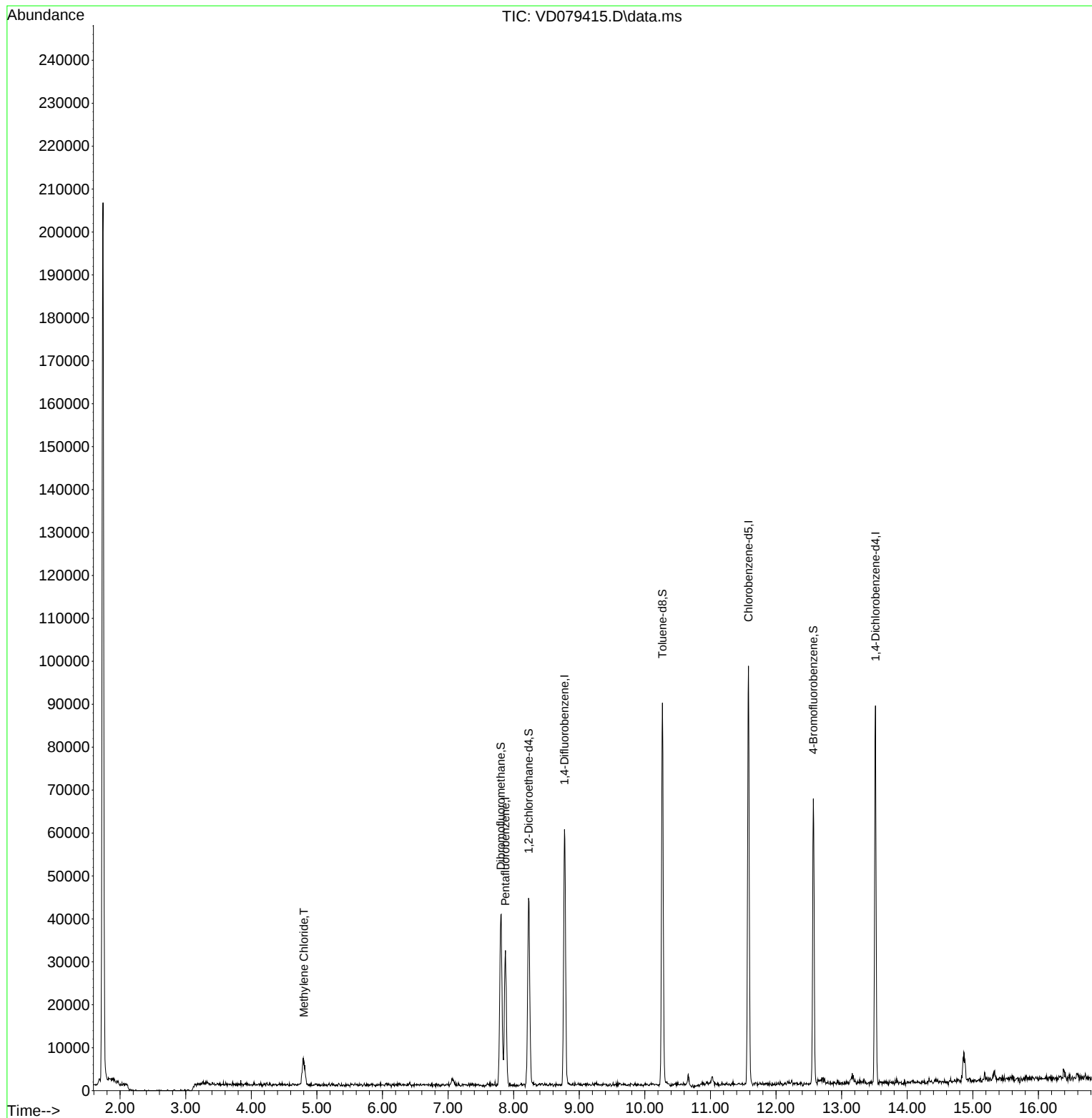
Internal Standards						
1) Pentafluorobenzene	7.875	168	22522	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	53827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	59660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	22953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	34186	163.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 326.600%#	
35) Dibromofluoromethane	7.804	113	29766	92.152	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 184.300%#	
50) Toluene-d8	10.269	98	64997	50.683	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.360%	
62) 4-Bromofluorobenzene	12.569	95	22792	56.705	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.400%	
Target Compounds						
20) Methylene Chloride	4.804	84	5440	7.805	ug/l	# 82

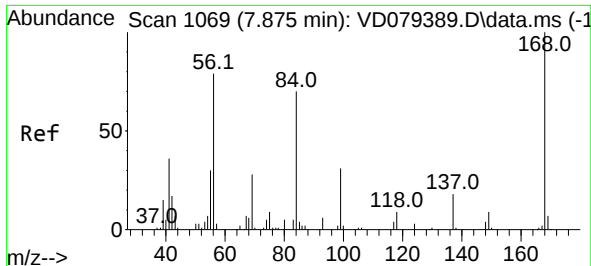
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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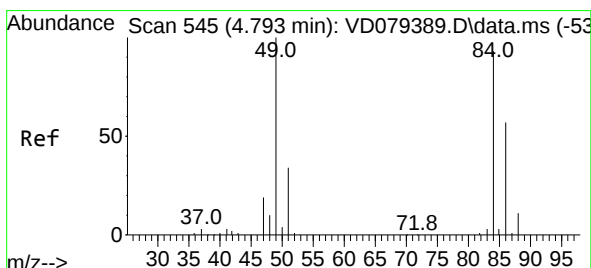
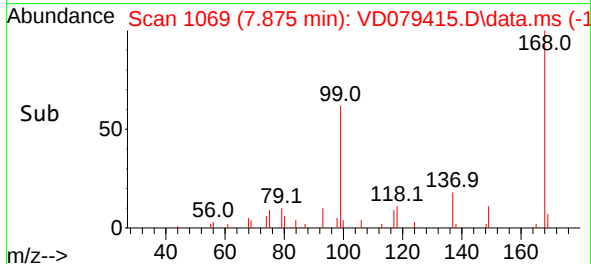
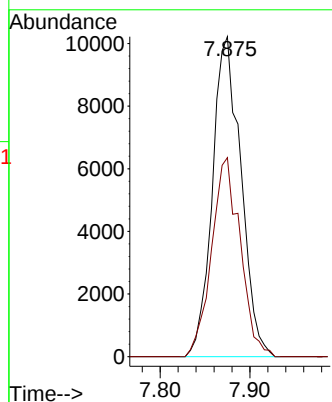
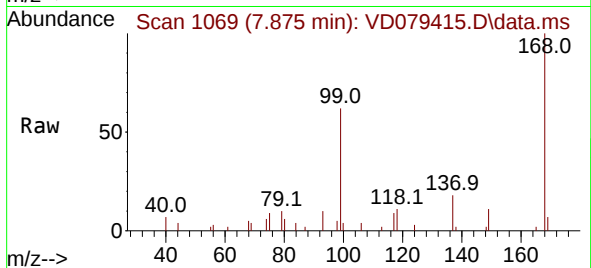




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD079415.D
Acq: 26 Jul 2024 18:37

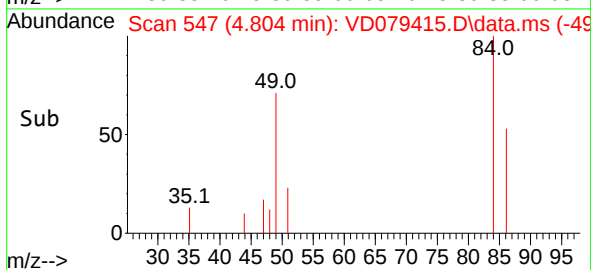
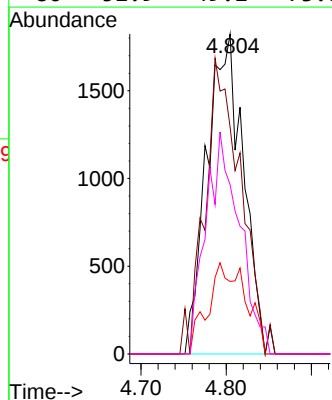
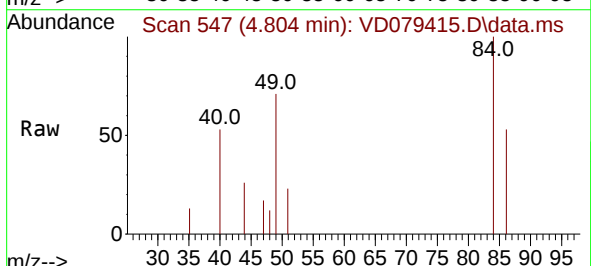
Instrument :
MSVOA_D
ClientSampleId :
72-11978

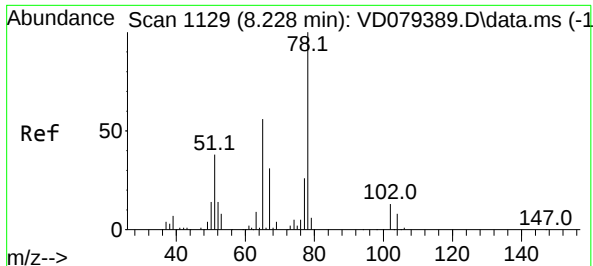
Tgt Ion:168 Resp: 22522
Ion Ratio Lower Upper
168 100
99 62.2 41.1 61.7#



#20
Methylene Chloride
Concen: 7.805 ug/l
RT: 4.804 min Scan# 547
Delta R.T. 0.005 min
Lab File: VD079415.D
Acq: 26 Jul 2024 18:37

Tgt Ion: 84 Resp: 5440
Ion Ratio Lower Upper
84 100
49 70.8 75.6 113.4#
51 22.6 24.2 36.2#
86 52.9 49.2 73.8





#33

1,2-Dichloroethane-d4

Concen: 163.304 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079415.D

Acq: 26 Jul 2024 18:37

Instrument :

MSVOA_D

ClientSampleId :

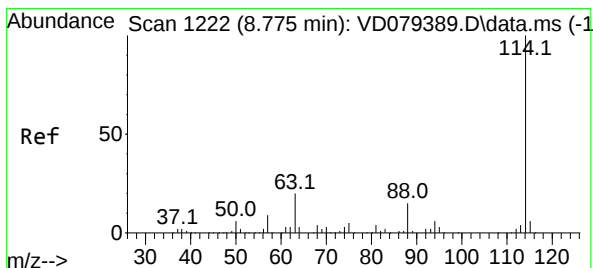
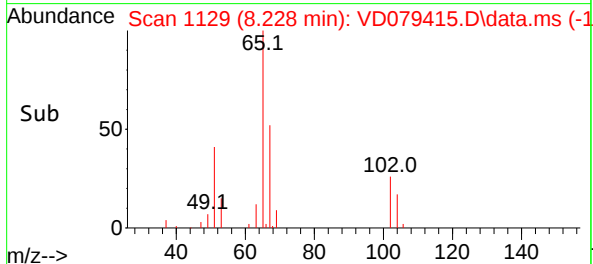
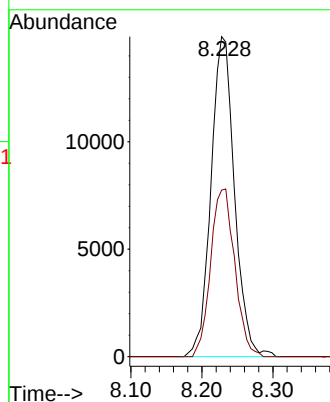
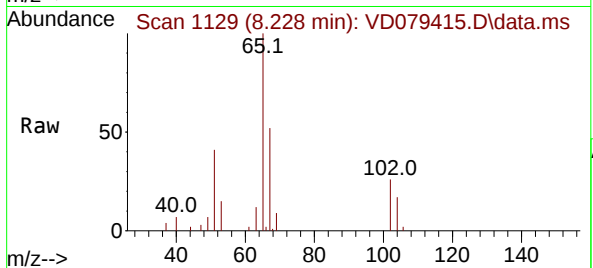
72-11978

Tgt Ion: 65 Resp: 34186

Ion Ratio Lower Upper

65 100

67 53.8 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079415.D

Acq: 26 Jul 2024 18:37

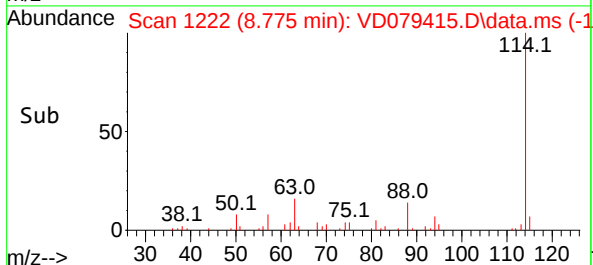
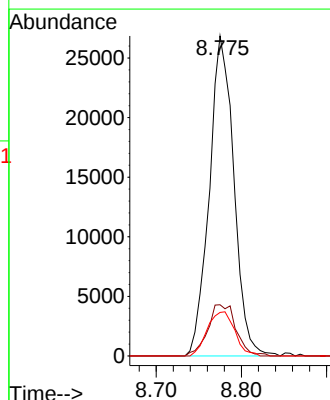
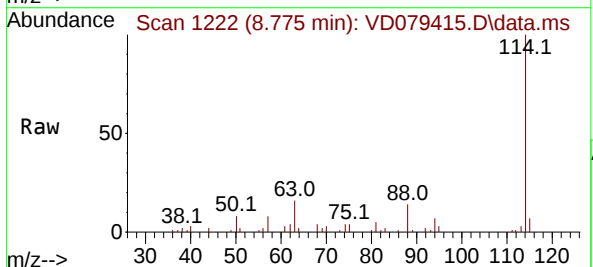
Tgt Ion: 114 Resp: 53827

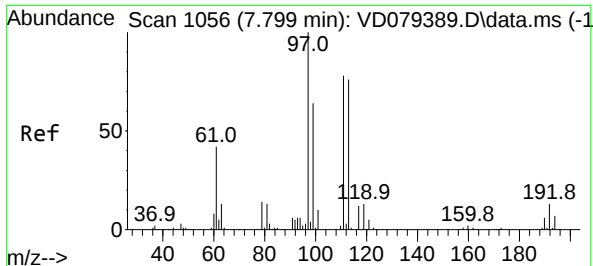
Ion Ratio Lower Upper

114 100

63 16.0 0.0 34.0

88 13.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 92.152 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079415.D

Acq: 26 Jul 2024 18:37

Instrument :

MSVOA_D

ClientSampleId :

72-11978

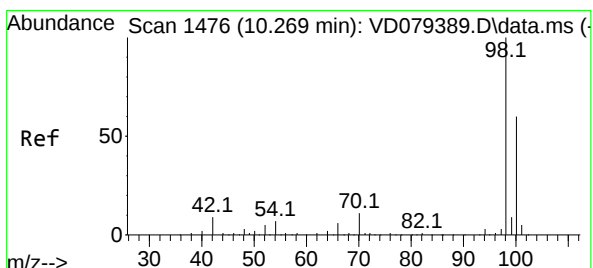
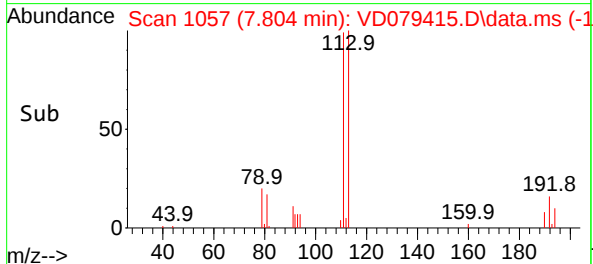
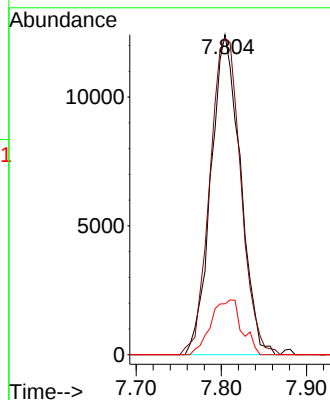
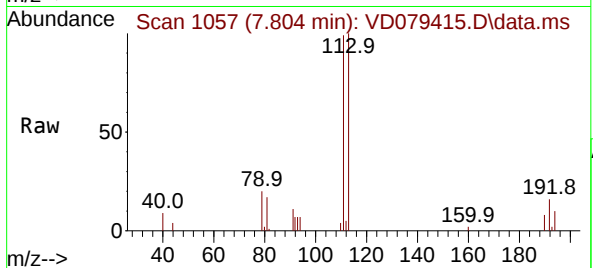
Tgt Ion:113 Resp: 29766

Ion Ratio Lower Upper

113 100

111 104.1 84.0 126.0

192 17.9 15.4 23.0



#50

Toluene-d8

Concen: 50.683 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD079415.D

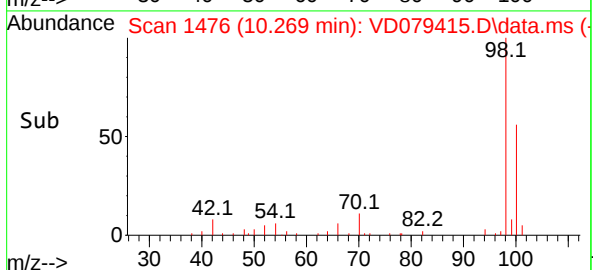
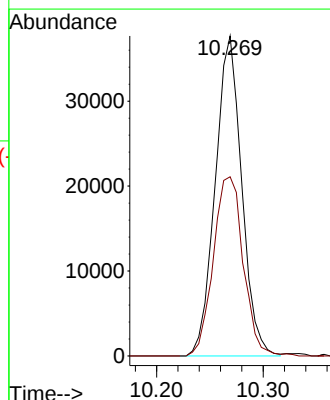
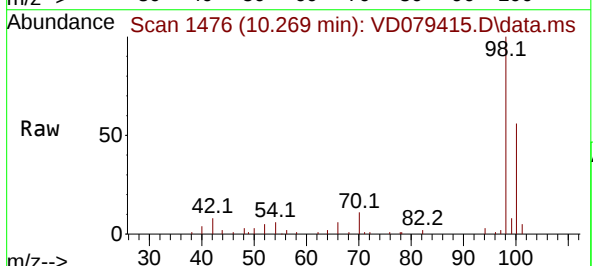
Acq: 26 Jul 2024 18:37

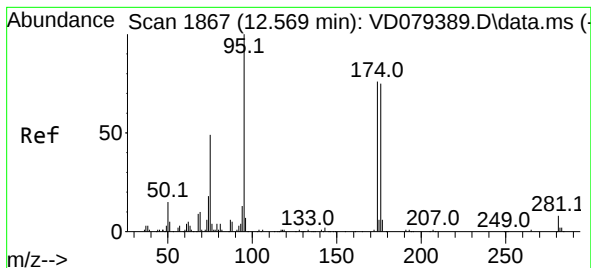
Tgt Ion: 98 Resp: 64997

Ion Ratio Lower Upper

98 100

100 63.2 51.6 77.4

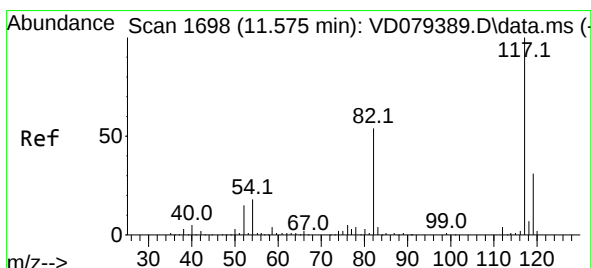
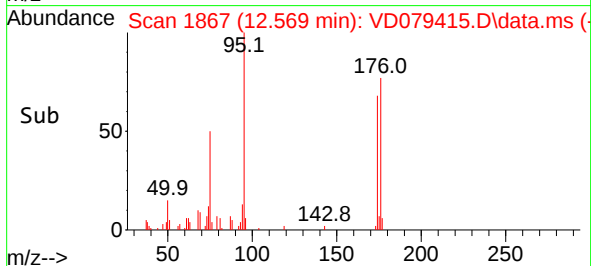
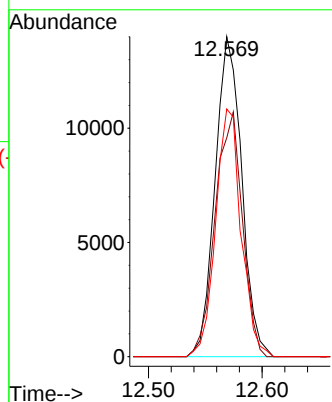
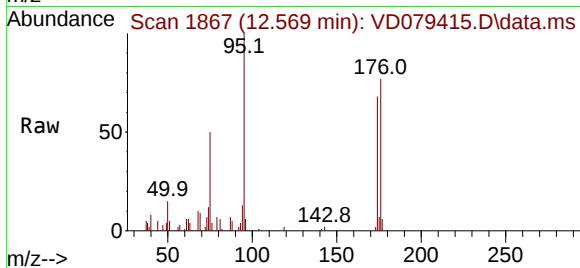




#62
4-Bromofluorobenzene
Concen: 56.705 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079415.D
Acq: 26 Jul 2024 18:37

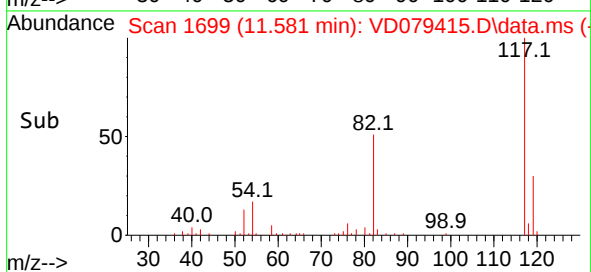
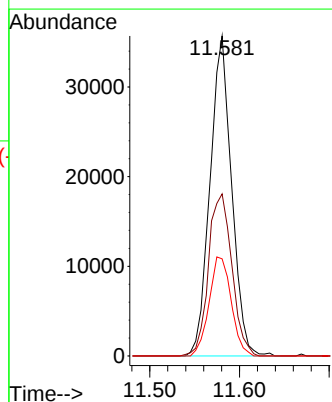
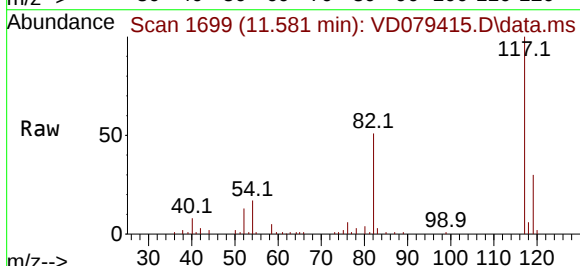
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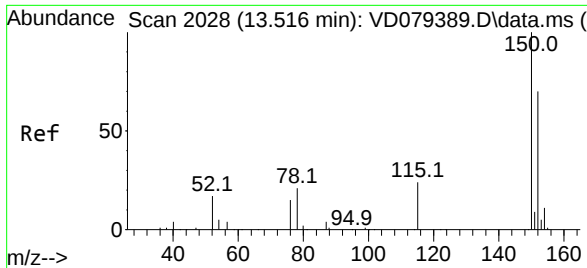
Tgt Ion:	95	Resp:	22792
Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	195.4
176	74.3	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079415.D
Acq: 26 Jul 2024 18:37

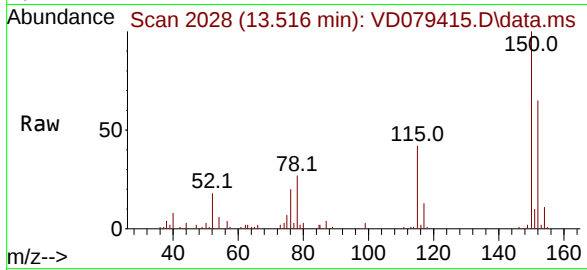
Tgt Ion:	117	Resp:	59660
Ion	Ratio	Lower	Upper
117	100		
82	50.7	39.8	59.6
119	30.4	25.7	38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD079415.D
 Acq: 26 Jul 2024 18:37

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11978



Tgt Ion:152 Resp: 22953
 Ion Ratio Lower Upper
 152 100
 115 61.8 26.5 79.5
 150 152.4 0.0 341.6

