

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078516.D
 Acq On : 22 Feb 2024 14:38
 Operator : RP/MD
 Sample : P1538-03
 Misc : 5.03G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241098-COMPOSITE-35N-N-4-03

Quant Time: Feb 23 01:04:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

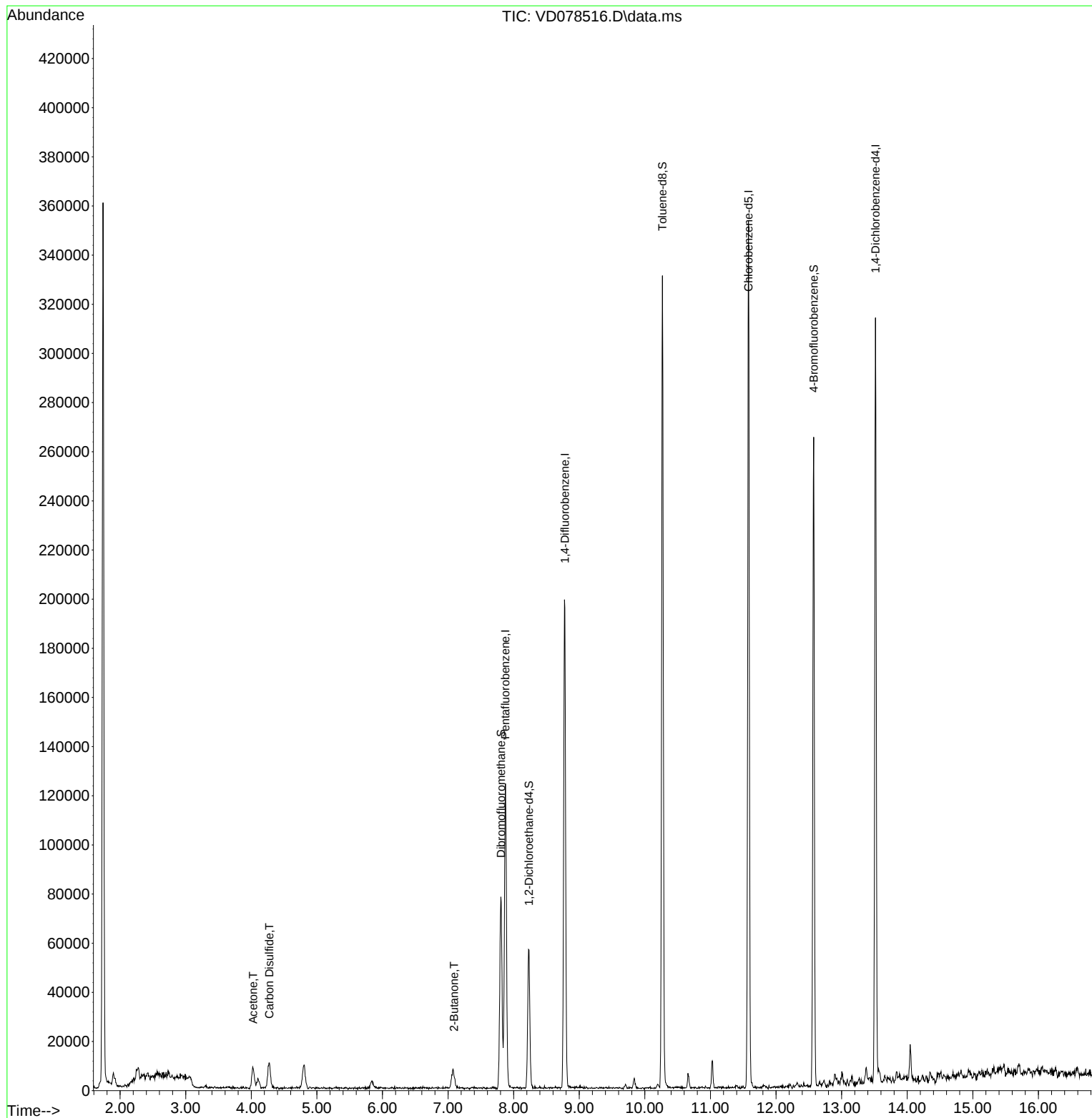
Internal Standards						
1) Pentafluorobenzene	7.875	168	94568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	186004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	206199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	82293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	43253	42.301	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.600%
35) Dibromofluoromethane	7.810	113	58898	49.849	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.700%
50) Toluene-d8	10.269	98	235509	49.828	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.660%
62) 4-Bromofluorobenzene	12.575	95	79267	57.631	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	115.260%
Target Compounds						
16) Acetone	4.028	43	14040	51.349	ug/l	90
17) Carbon Disulfide	4.275	76	21984	6.337	ug/l	100
25) 2-Butanone	7.093	43	4937	3.582	ug/l #	61

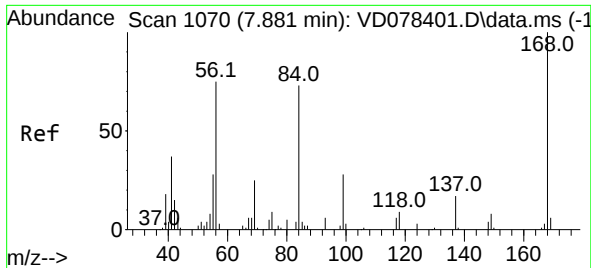
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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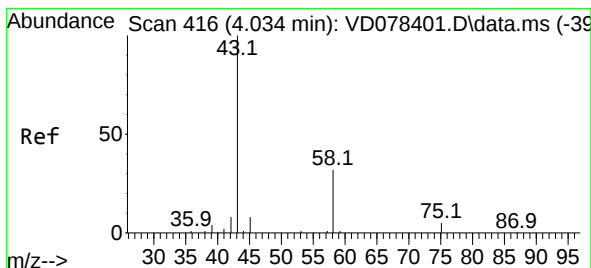
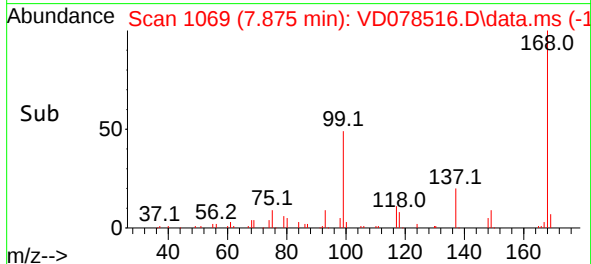
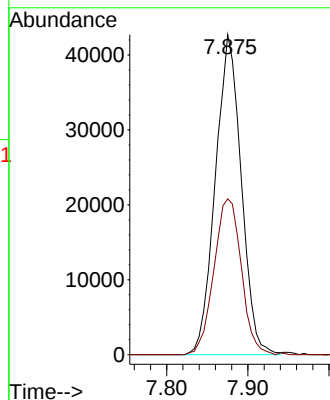
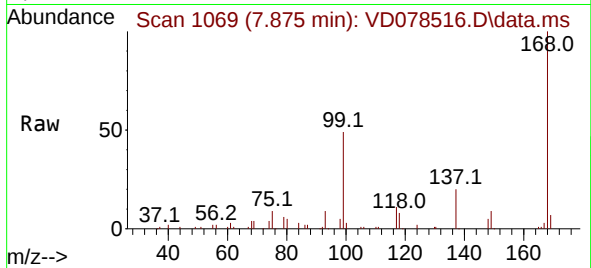




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078516.D
Acq: 22 Feb 2024 14:38

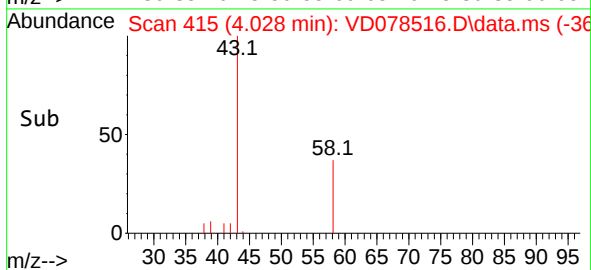
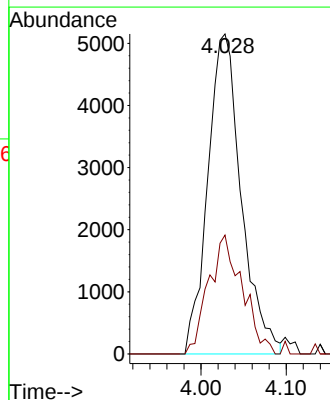
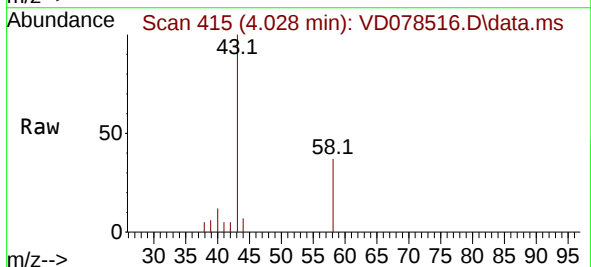
Instrument :
MSVOA_D
ClientSampleId :
20241098-COMPOSITE-35N-N-4-03

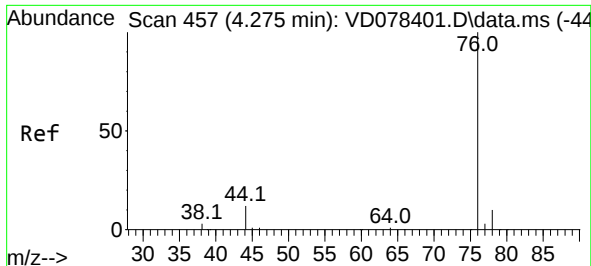
Tgt Ion:168 Resp: 94568
Ion Ratio Lower Upper
168 100
99 48.7 36.7 55.1



#16
Acetone
Concen: 51.349 ug/l
RT: 4.028 min Scan# 415
Delta R.T. -0.006 min
Lab File: VD078516.D
Acq: 22 Feb 2024 14:38

Tgt Ion: 43 Resp: 14040
Ion Ratio Lower Upper
43 100
58 37.1 34.7 52.1

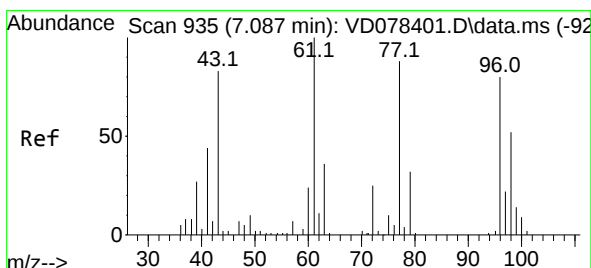
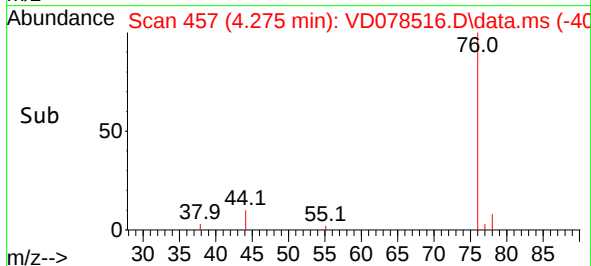
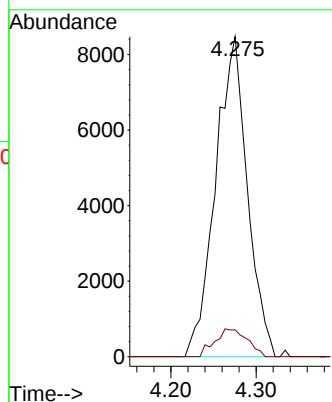
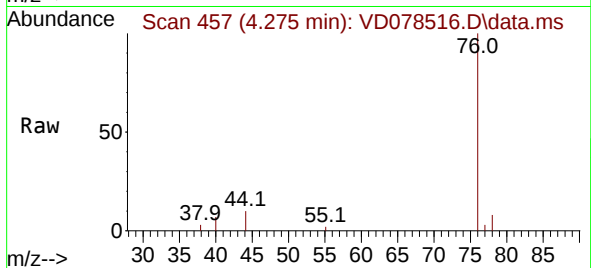




#17
Carbon Disulfide
Concen: 6.337 ug/l
RT: 4.275 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD078516.D
Acq: 22 Feb 2024 14:38

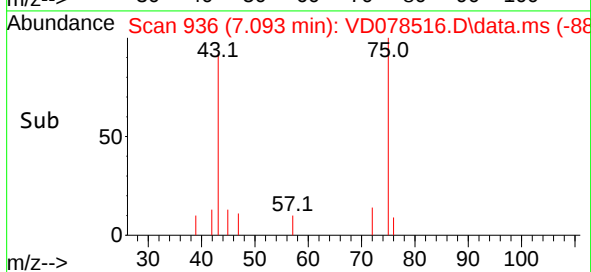
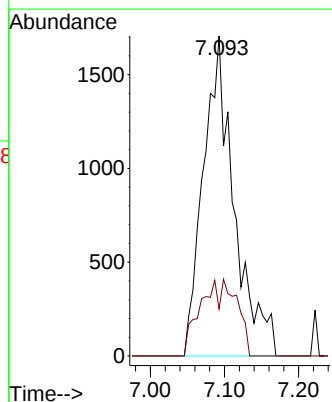
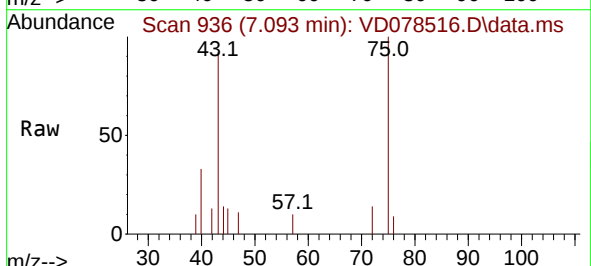
Instrument :
MSVOA_D
ClientSampleId :
20241098-COMPOSITE-35N-N-4-03

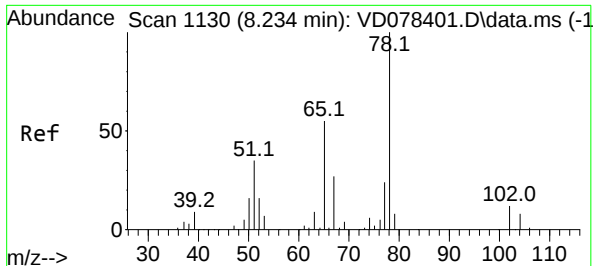
Tgt Ion: 76 Resp: 21984
Ion Ratio Lower Upper
76 100
78 8.4 6.8 10.2



#25
2-Butanone
Concen: 3.582 ug/l
RT: 7.093 min Scan# 936
Delta R.T. 0.006 min
Lab File: VD078516.D
Acq: 22 Feb 2024 14:38

Tgt Ion: 43 Resp: 4937
Ion Ratio Lower Upper
43 100
72 14.7 30.7 46.1#





#33

1,2-Dichloroethane-d4

Concen: 42.301 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078516.D

Acq: 22 Feb 2024 14:38

Instrument :

MSVOA_D

ClientSampleId :

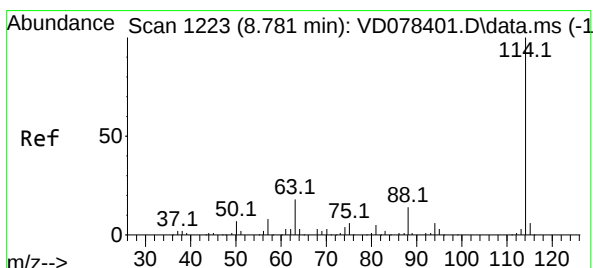
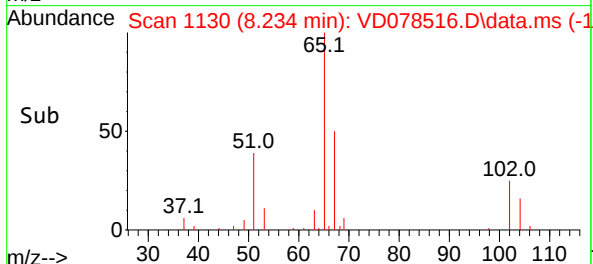
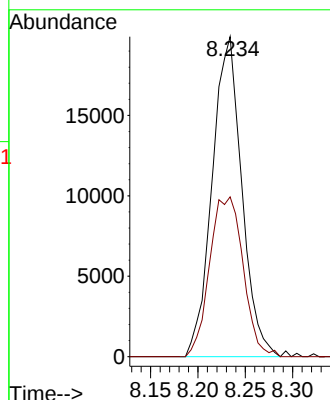
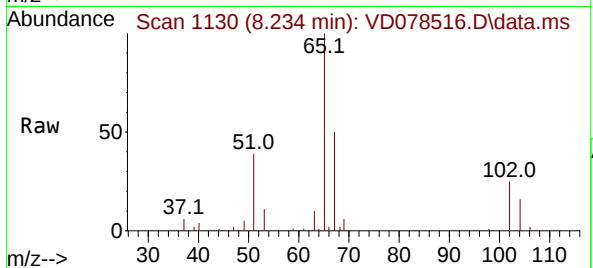
20241098-COMPOSITE-35N-N-4-03

Tgt Ion: 65 Resp: 43253

Ion Ratio Lower Upper

65 100

67 56.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078516.D

Acq: 22 Feb 2024 14:38

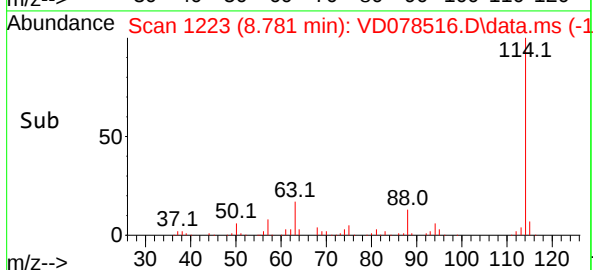
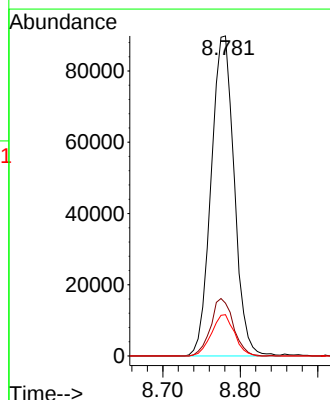
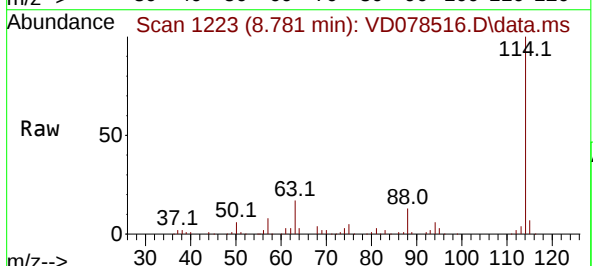
Tgt Ion: 114 Resp: 186004

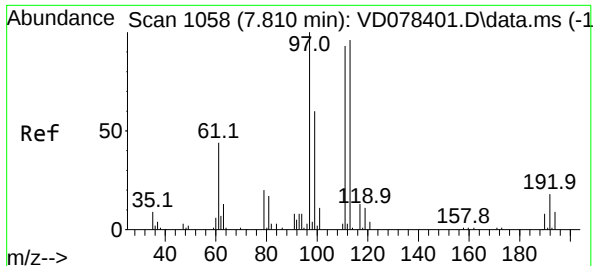
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.4

88 12.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 49.849 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078516.D

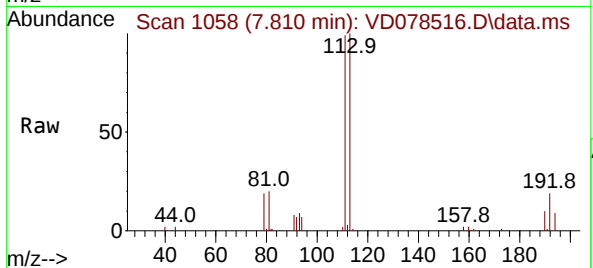
Acq: 22 Feb 2024 14:38

Instrument :

MSVOA_D

ClientSampleId :

20241098-COMPOSITE-35N-N-4-03



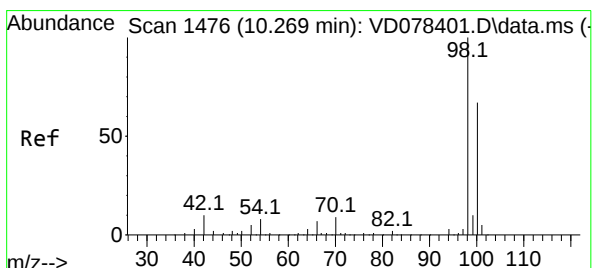
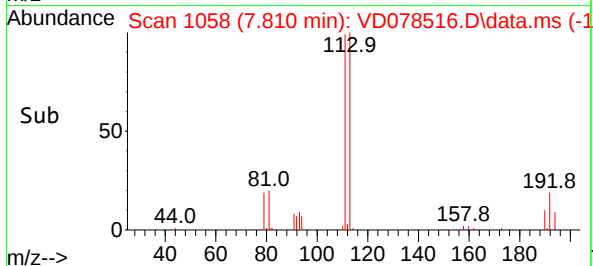
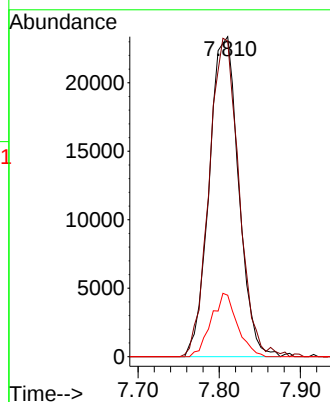
Tgt Ion:113 Resp: 58898

Ion Ratio Lower Upper

113 100

111 100.8 84.7 127.1

192 17.6 16.8 25.2



#50

Toluene-d8

Concen: 49.828 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078516.D

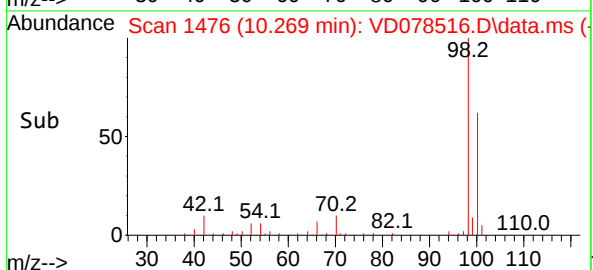
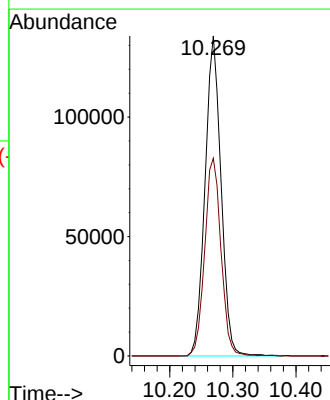
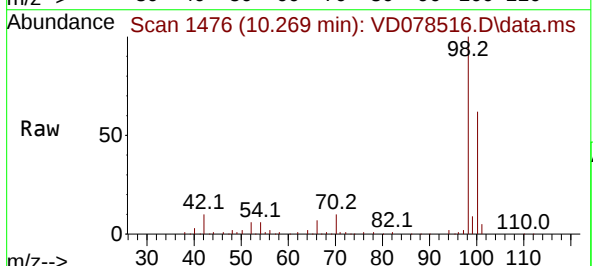
Acq: 22 Feb 2024 14:38

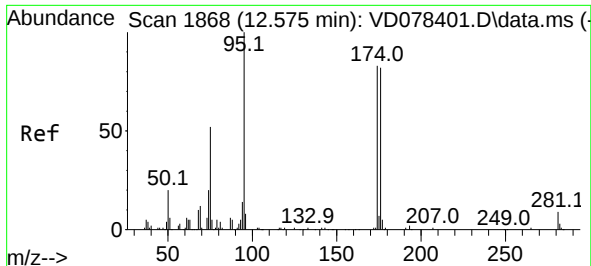
Tgt Ion: 98 Resp: 235509

Ion Ratio Lower Upper

98 100

100 62.8 50.3 75.5

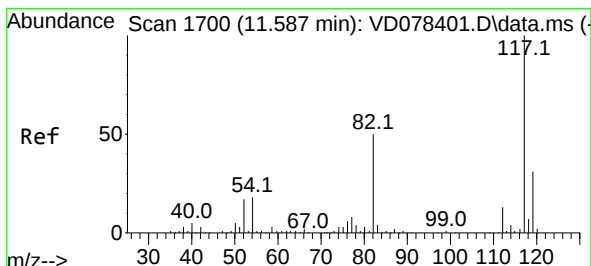
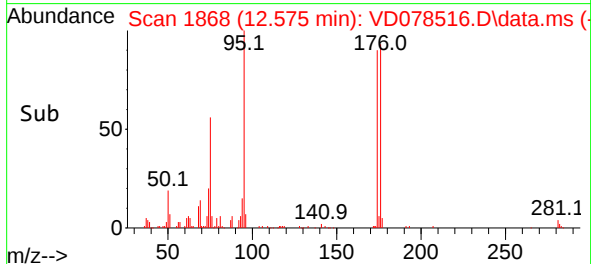
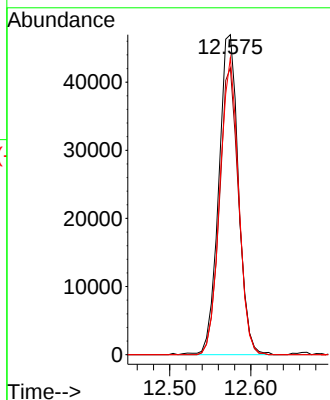
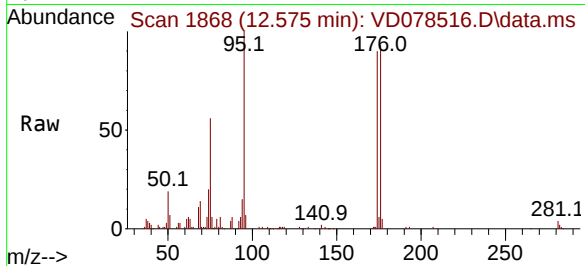




#62
4-Bromofluorobenzene
Concen: 57.631 ug/l
RT: 12.575 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078516.D
Acq: 22 Feb 2024 14:38

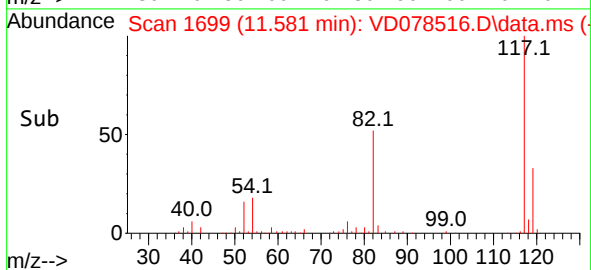
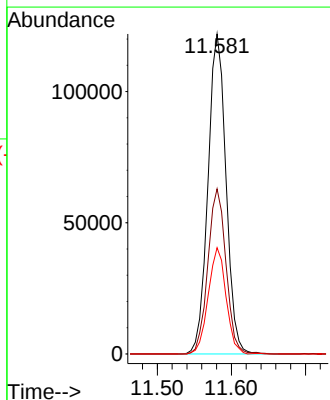
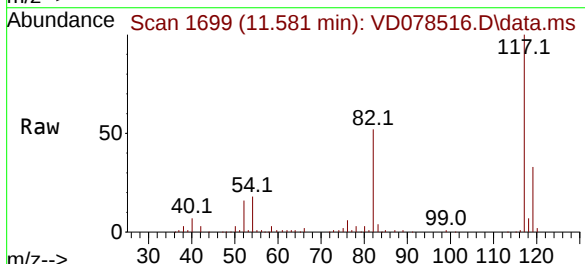
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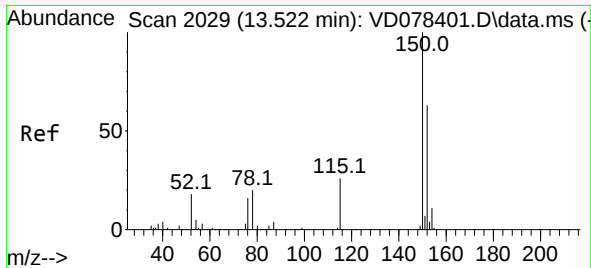
Tgt Ion:	95	Resp:	79267
Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	201.8
176	88.1	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078516.D
Acq: 22 Feb 2024 14:38

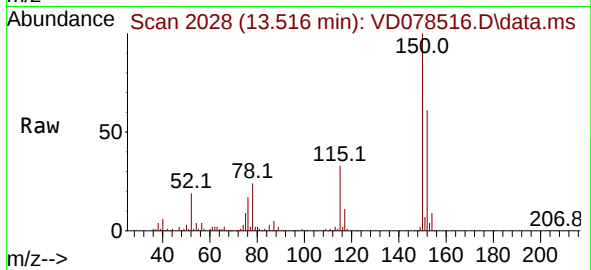
Tgt Ion:	117	Resp:	206199
Ion	Ratio	Lower	Upper
117	100		
82	51.6	38.3	57.5
119	33.2	25.0	37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD078516.D
 Acq: 22 Feb 2024 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
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Tgt Ion:152 Resp: 82293
 Ion Ratio Lower Upper
 152 100
 115 57.5 27.1 81.3
 150 159.2 0.0 353.6

