

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021524\
 Data File : VD078435.D
 Acq On : 15 Feb 2024 14:55
 Operator : RP/MD
 Sample : P1483-01
 Misc : 5.05G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-2327

Quant Time: Feb 16 02:36:08 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)

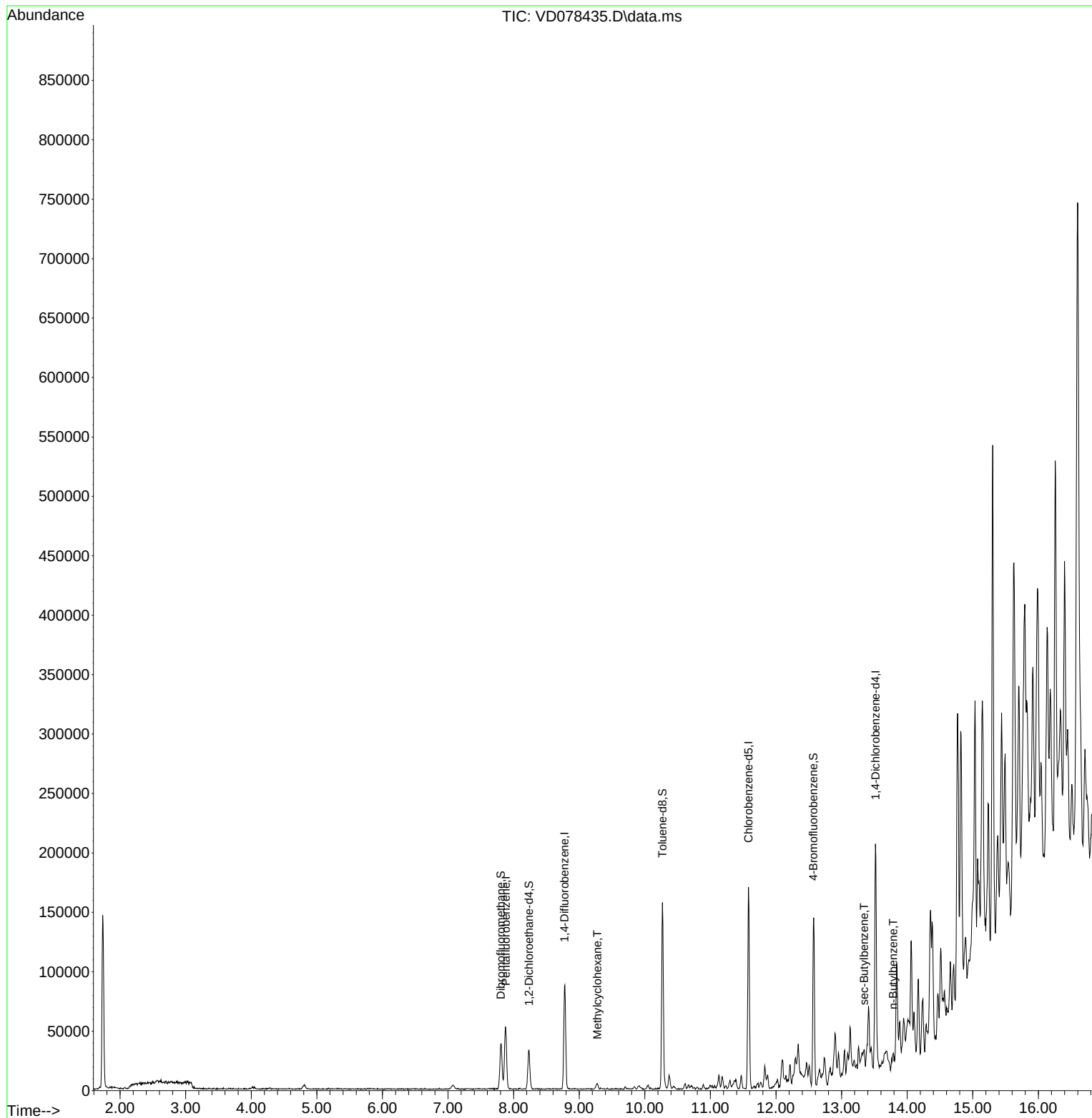
Internal Standards						
1) Pentafluorobenzene	7.881	168	41983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	81579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	97900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	54069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	25207	55.529	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.060%	
35) Dibromofluoromethane	7.805	113	27973	53.981	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.960%	
50) Toluene-d8	10.269	98	106512	51.382	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.760%	
62) 4-Bromofluorobenzene	12.569	95	42915	71.141	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 142.280%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.275	83	1962	2.053	ug/l	89
85) sec-Butylbenzene	13.345	105	5445	1.381	ug/l #	62
89) n-Butylbenzene	13.787	91	5689	1.757	ug/l	90

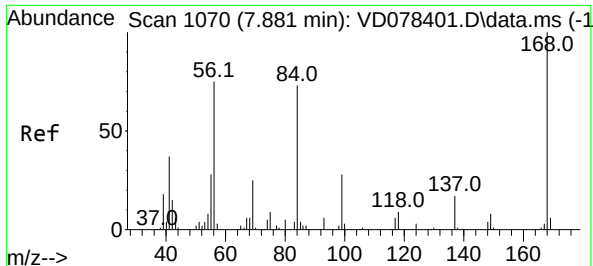
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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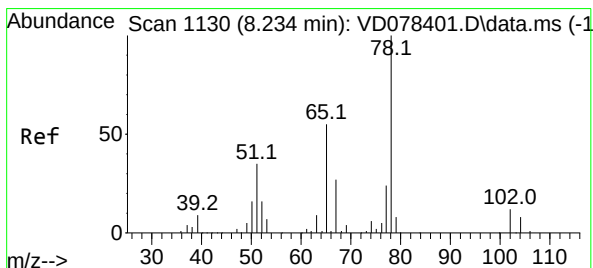
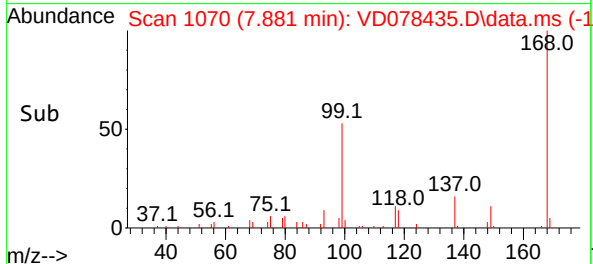
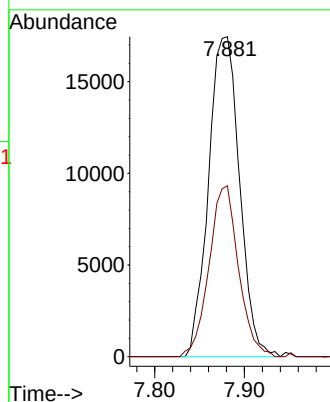
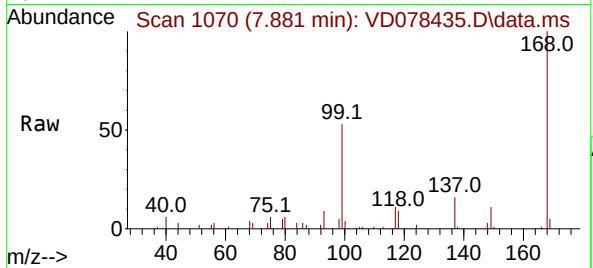




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078435.D
Acq: 15 Feb 2024 14:55

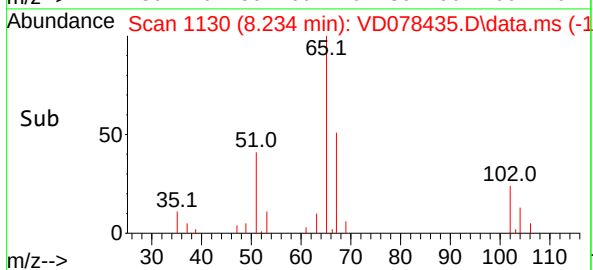
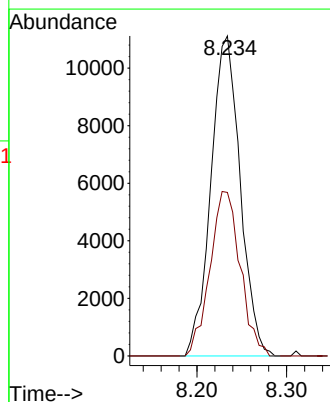
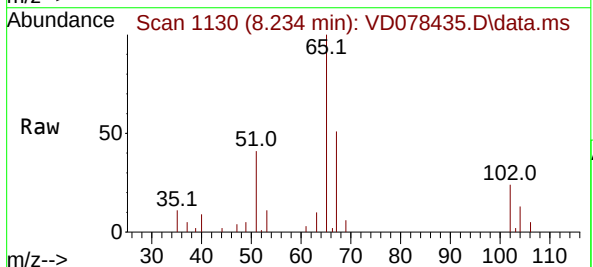
Instrument :
MSVOA_D
ClientSampleId :
RT-2327

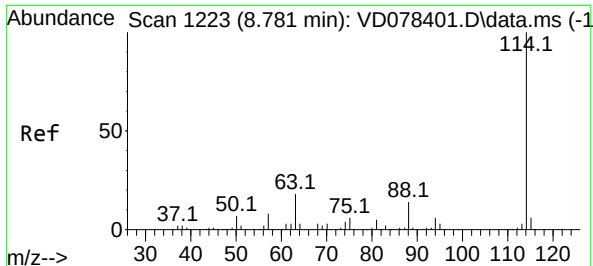
Tgt Ion:168 Resp: 41983
Ion Ratio Lower Upper
168 100
99 53.4 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 55.529 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078435.D
Acq: 15 Feb 2024 14:55

Tgt Ion: 65 Resp: 25207
Ion Ratio Lower Upper
65 100
67 53.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078435.D

Acq: 15 Feb 2024 14:55

Instrument :

MSVOA_D

ClientSampleId :

RT-2327

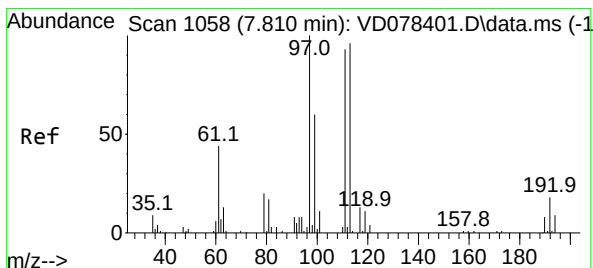
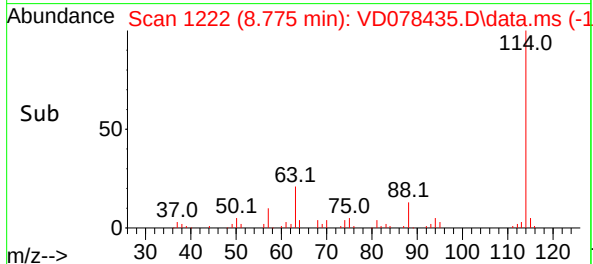
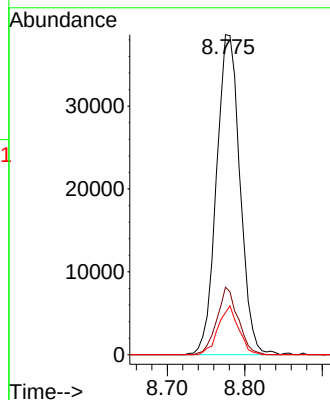
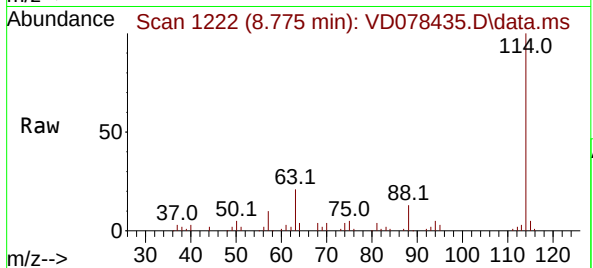
Tgt Ion:114 Resp: 81579

Ion Ratio Lower Upper

114 100

63 21.1 0.0 33.4

88 13.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 53.981 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078435.D

Acq: 15 Feb 2024 14:55

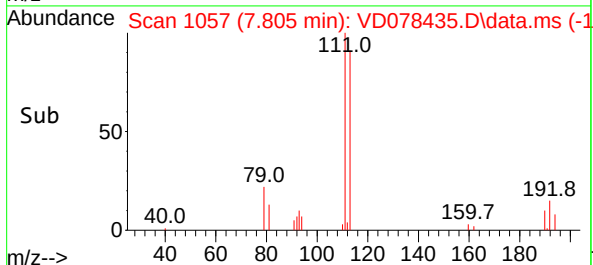
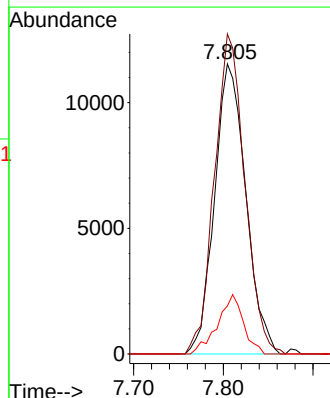
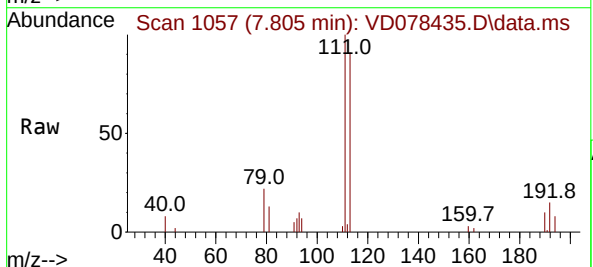
Tgt Ion:113 Resp: 27973

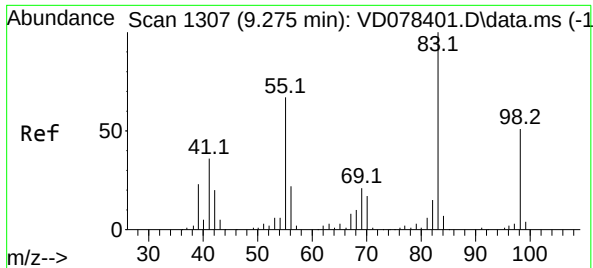
Ion Ratio Lower Upper

113 100

111 106.7 84.7 127.1

192 16.9 16.8 25.2





#39

Methylcyclohexane

Concen: 2.053 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078435.D

Acq: 15 Feb 2024 14:55

Instrument :

MSVOA_D

ClientSampleId :

RT-2327

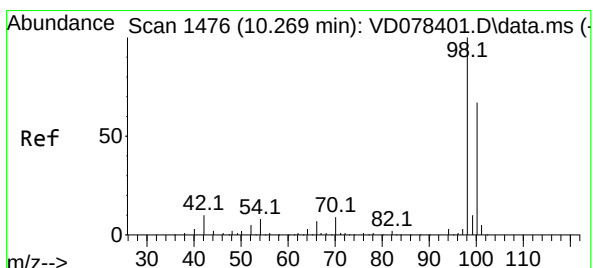
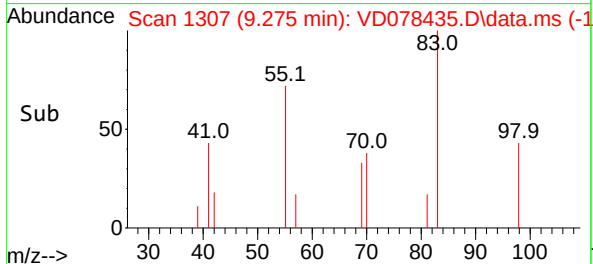
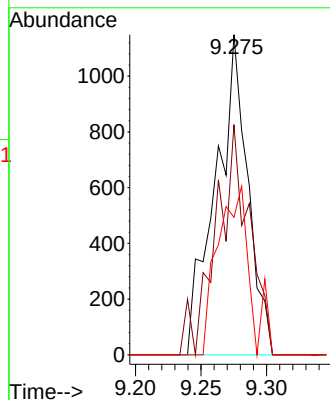
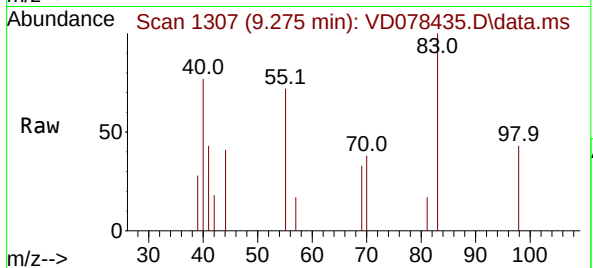
Tgt Ion: 83 Resp: 1962

Ion Ratio Lower Upper

83 100

55 71.9 49.4 74.0

98 42.9 38.4 57.6



#50

Toluene-d8

Concen: 51.382 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078435.D

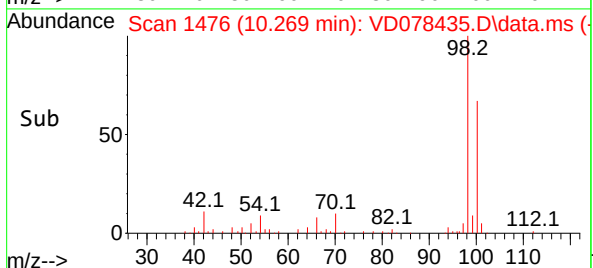
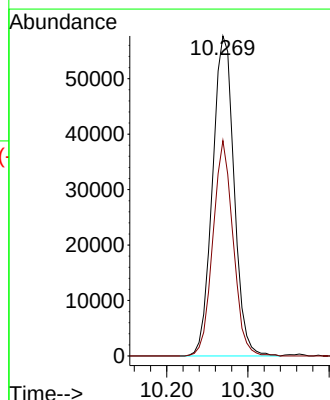
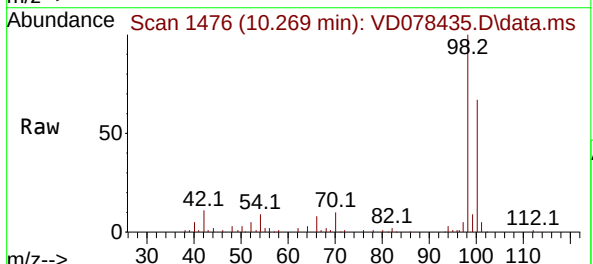
Acq: 15 Feb 2024 14:55

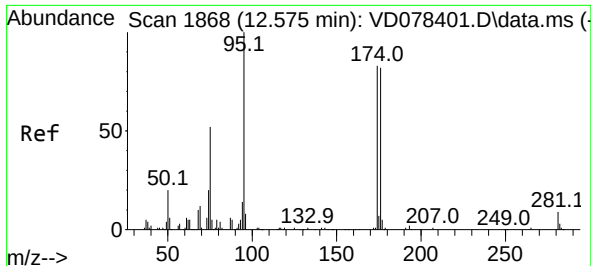
Tgt Ion: 98 Resp: 106512

Ion Ratio Lower Upper

98 100

100 63.0 50.3 75.5

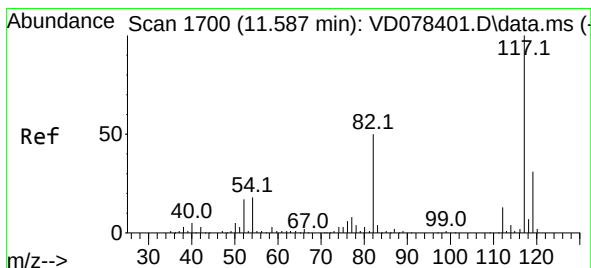
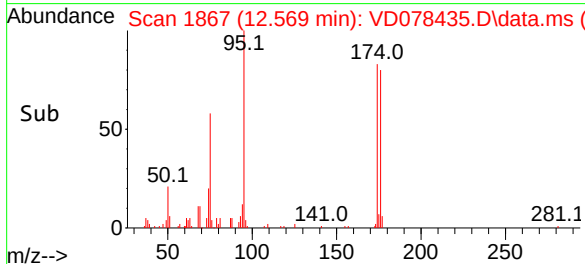
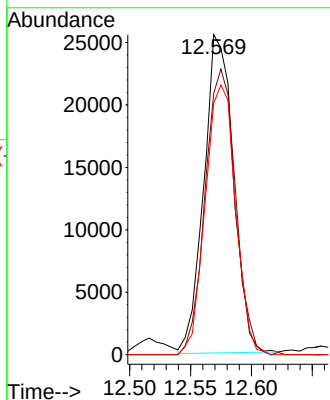
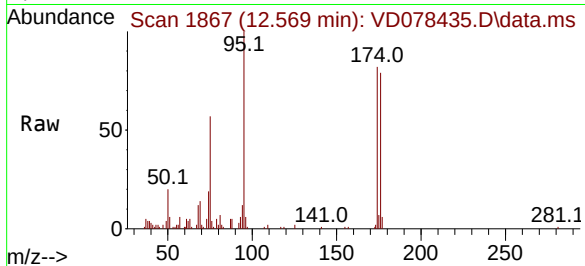




#62
4-Bromofluorobenzene
Concen: 71.141 ug/l
RT: 12.569 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078435.D
Acq: 15 Feb 2024 14:55

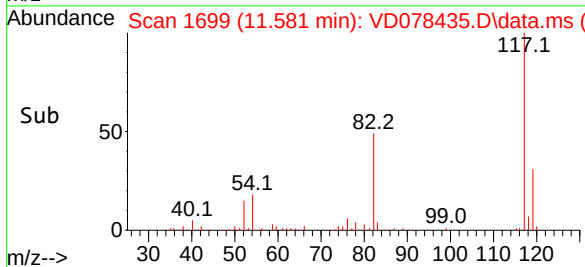
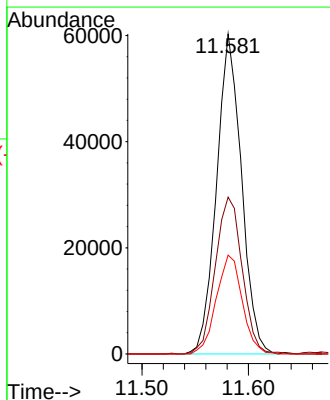
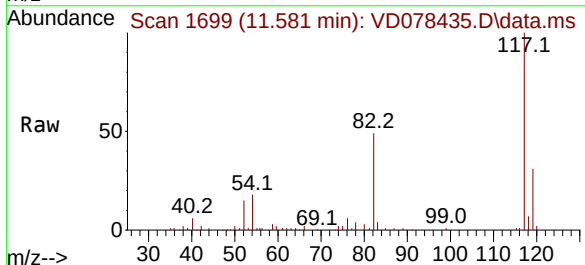
Instrument :
MSVOA_D
ClientSampleId :
RT-2327

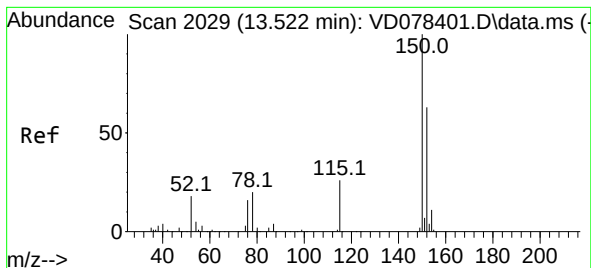
Tgt Ion:	95	Resp:	42915
Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	201.8
176	87.0	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078435.D
Acq: 15 Feb 2024 14:55

Tgt Ion:	117	Resp:	97900
Ion	Ratio	Lower	Upper
117	100		
82	49.0	38.3	57.5
119	30.9	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2029

Delta R.T. -0.006 min

Lab File: VD078435.D

Acq: 15 Feb 2024 14:55

Instrument :

MSVOA_D

ClientSampleId :

RT-2327

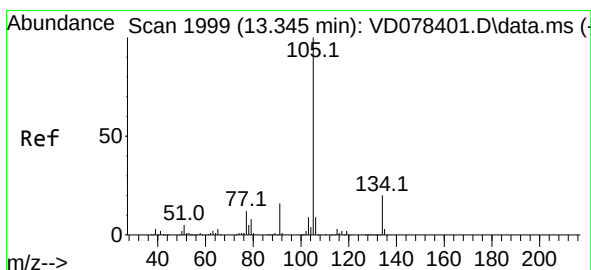
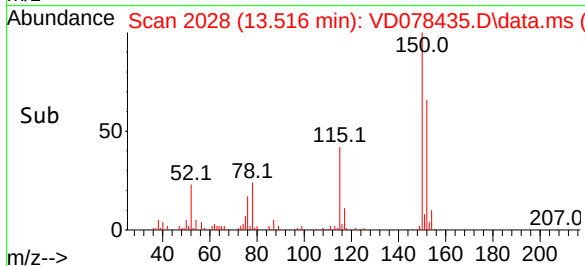
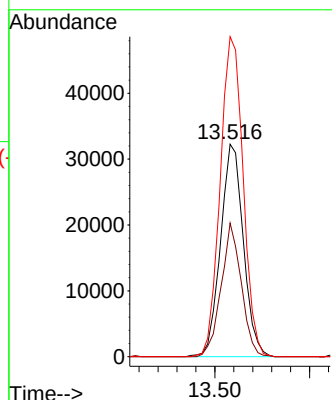
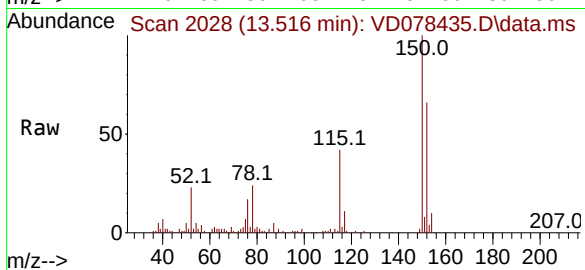
Tgt Ion:152 Resp: 54069

Ion Ratio Lower Upper

152 100

115 55.5 27.1 81.3

150 151.3 0.0 353.6



#85

sec-Butylbenzene

Concen: 1.381 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078435.D

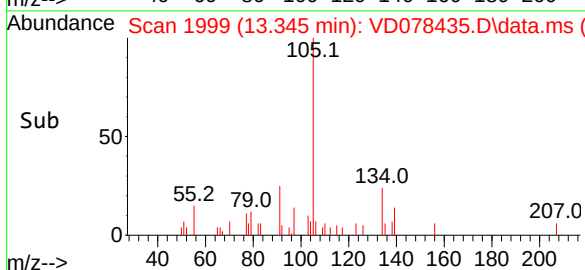
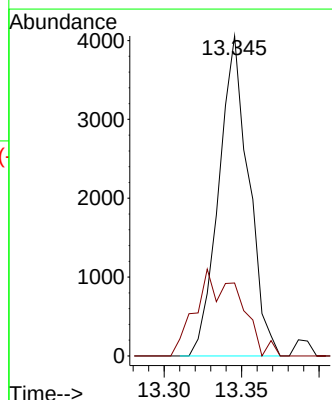
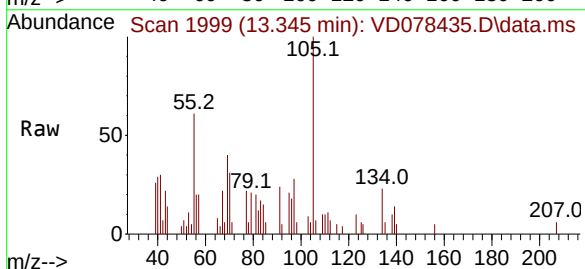
Acq: 15 Feb 2024 14:55

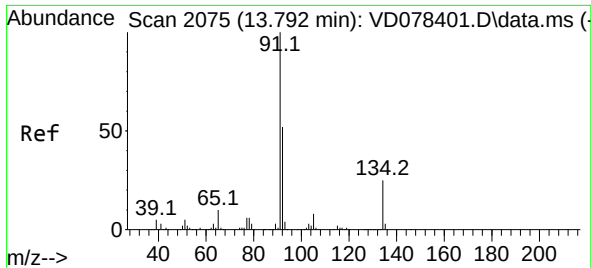
Tgt Ion:105 Resp: 5445

Ion Ratio Lower Upper

105 100

134 39.9 10.9 32.9#





#89

n-Butylbenzene

Concen: 1.757 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. -0.006 min

Lab File: VD078435.D

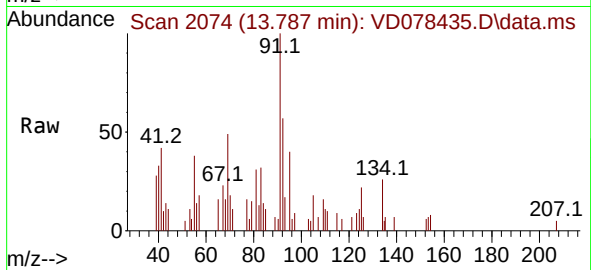
Acq: 15 Feb 2024 14:55

Instrument :

MSVOA_D

ClientSampleId :

RT-2327



Tgt Ion: 91 Resp: 5689

Ion Ratio Lower Upper

91 100

92 51.6 26.5 79.5

134 40.8 13.8 41.3

