

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021424\
 Data File : VD078413.D
 Acq On : 14 Feb 2024 14:44
 Operator : RP/MD
 Sample : P1454-01
 Misc : 5.02G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-241

Quant Time: Feb 14 15:38:46 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	7.887	168	2164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	4418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	4674	50.000	ug/l	#-0.01
72) 1,4-Dichlorobenzene-d4	13.522	152	1805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	1401	59.876	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.760%	
35) Dibromofluoromethane	7.810	113	2108	75.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 150.220%#	
50) Toluene-d8	10.269	98	5070	45.162	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.320%	
62) 4-Bromofluorobenzene	12.569	95	1702	52.098	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.200%	

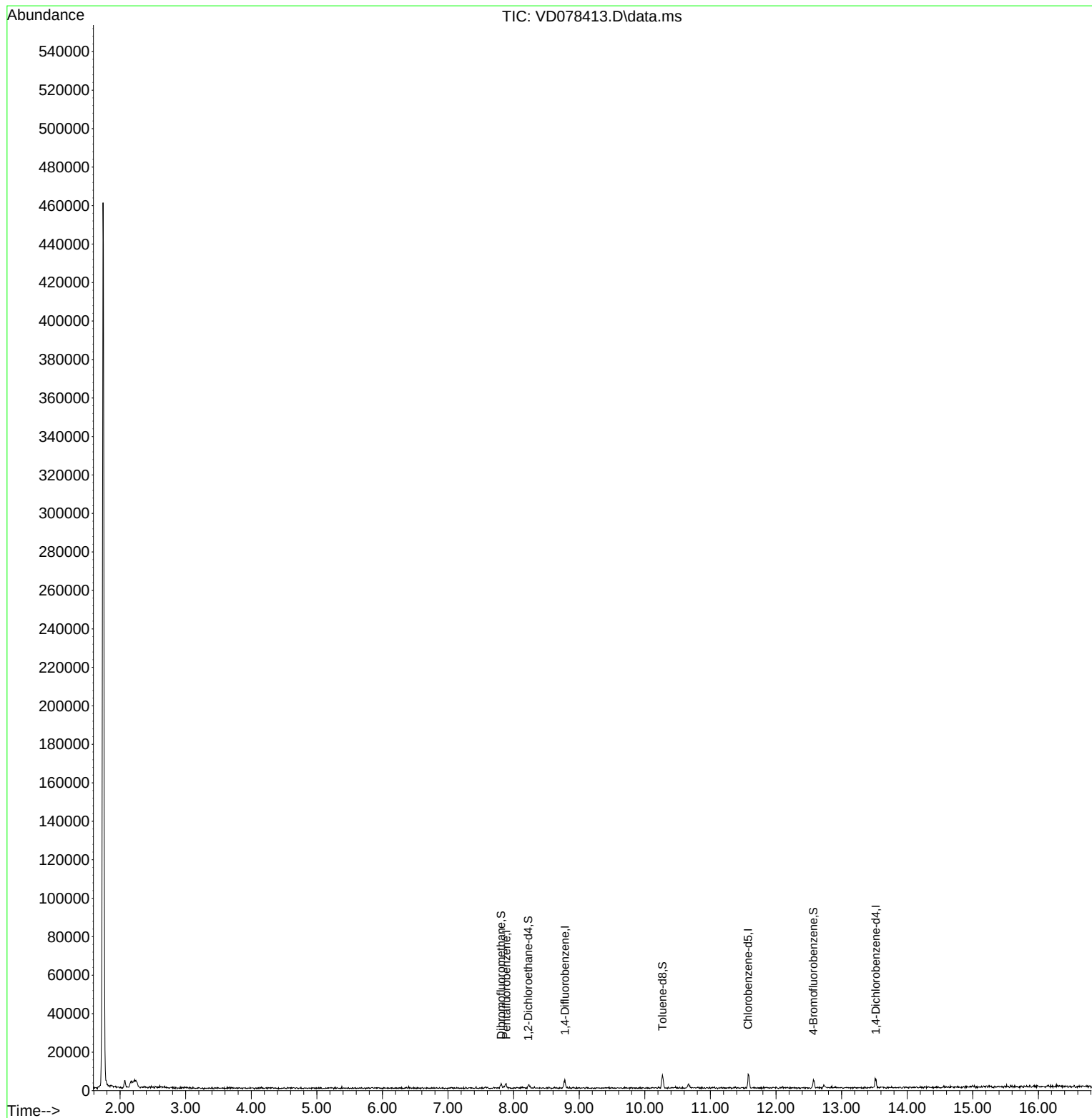
Target Compounds	Qvalue

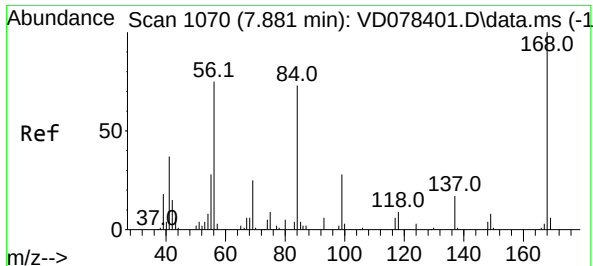
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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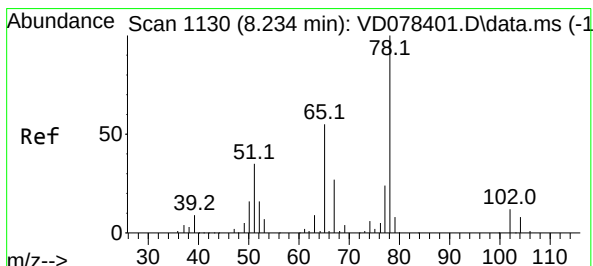
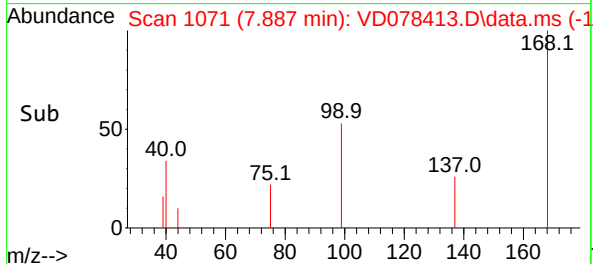
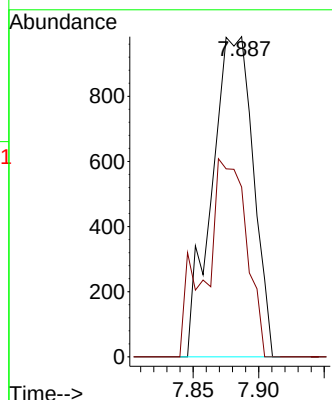
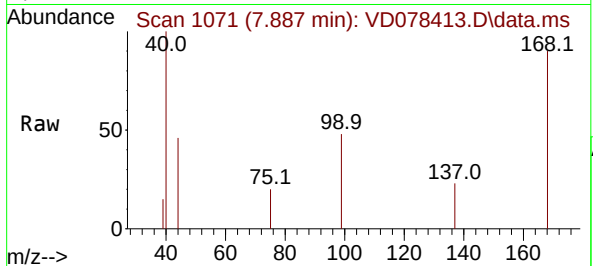




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.887 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD078413.D
Acq: 14 Feb 2024 14:44

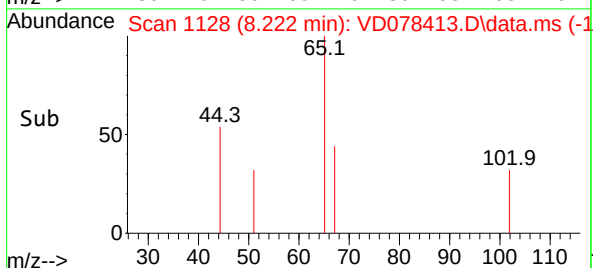
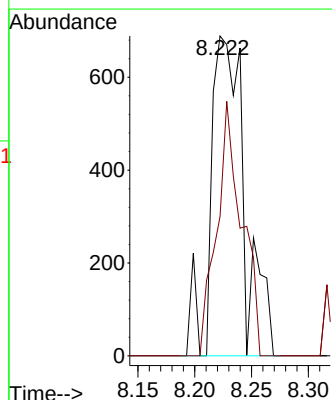
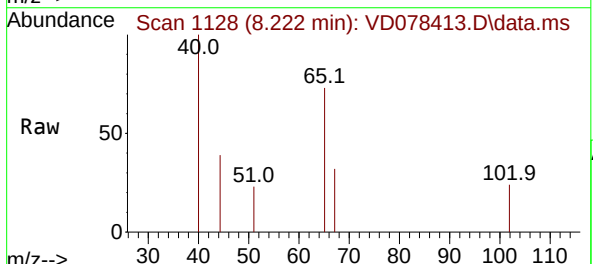
Instrument :
MSVOA_D
ClientSampleId :
VNJ-241

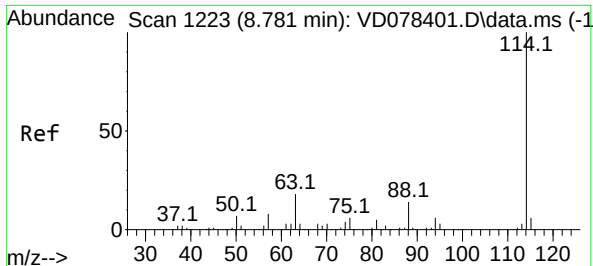
Tgt Ion:168 Resp: 2164
Ion Ratio Lower Upper
168 100
99 53.0 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 59.876 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.012 min
Lab File: VD078413.D
Acq: 14 Feb 2024 14:44

Tgt Ion: 65 Resp: 1401
Ion Ratio Lower Upper
65 100
67 60.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078413.D

Acq: 14 Feb 2024 14:44

Instrument :

MSVOA_D

ClientSampleId :

VNJ-241

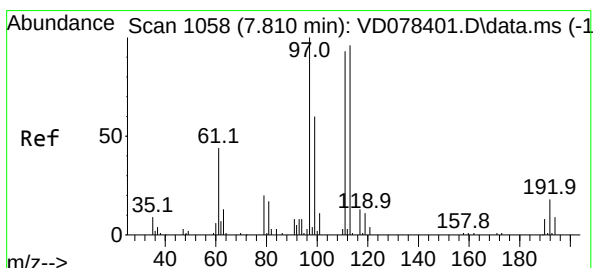
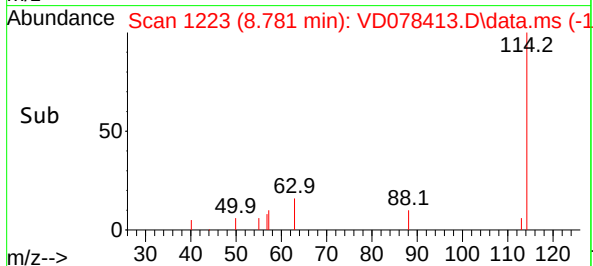
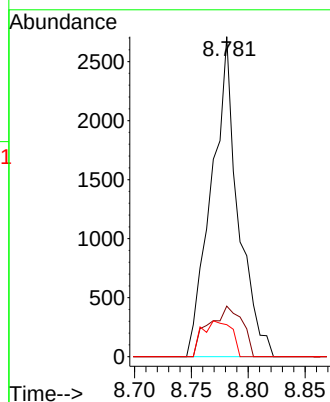
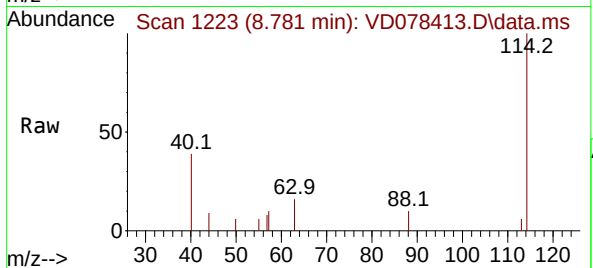
Tgt Ion:114 Resp: 4418

Ion Ratio Lower Upper

114 100

63 15.8 0.0 33.4

88 10.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 75.114 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078413.D

Acq: 14 Feb 2024 14:44

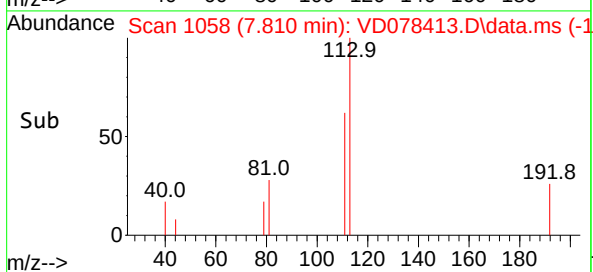
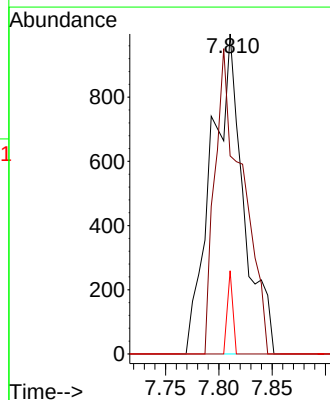
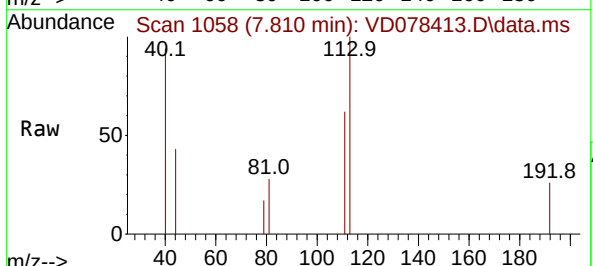
Tgt Ion:113 Resp: 2108

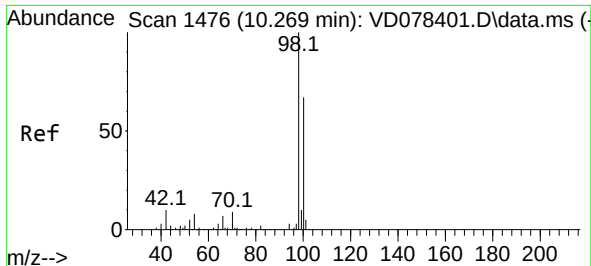
Ion Ratio Lower Upper

113 100

111 80.6 84.7 127.1#

192 4.3 16.8 25.2#

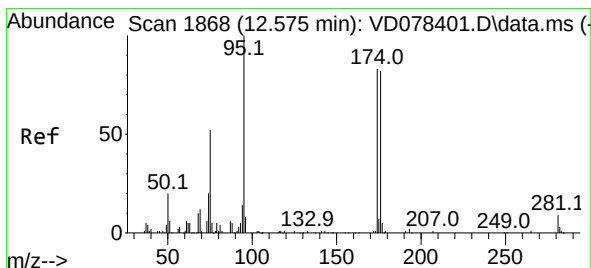
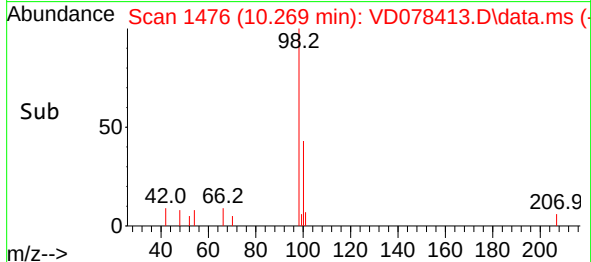
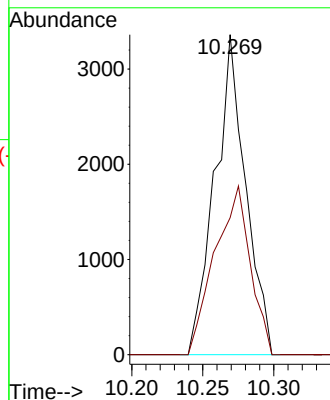
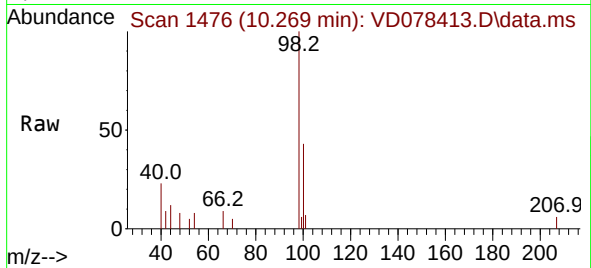




#50
Toluene-d8
Concen: 45.162 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078413.D
Acq: 14 Feb 2024 14:44

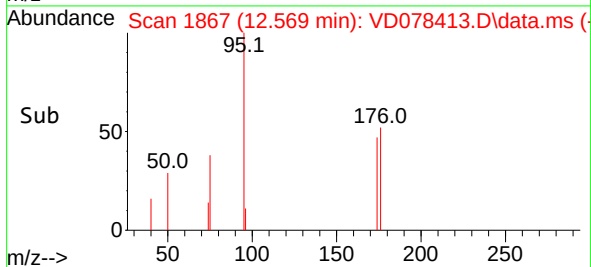
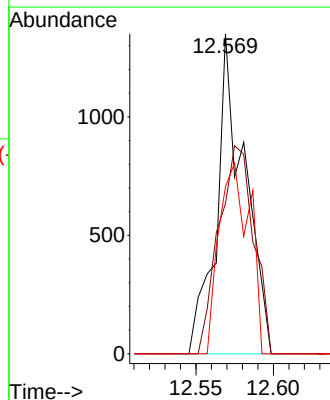
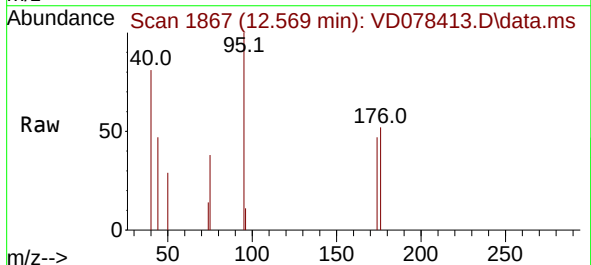
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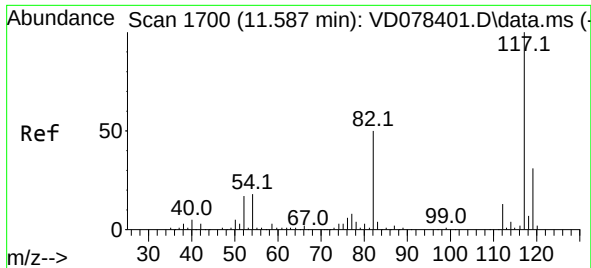
Tgt Ion: 98 Resp: 5070
Ion Ratio Lower Upper
98 100
100 60.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 52.098 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078413.D
Acq: 14 Feb 2024 14:44

Tgt Ion: 95 Resp: 1702
Ion Ratio Lower Upper
95 100
174 80.8 0.0 201.8
176 65.5 0.0 191.8

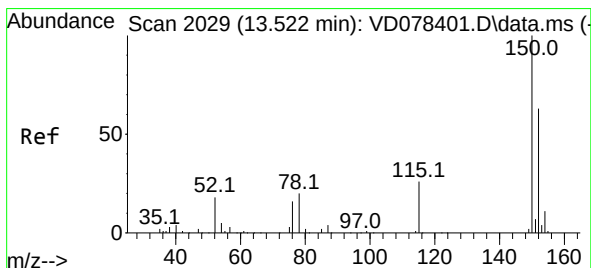
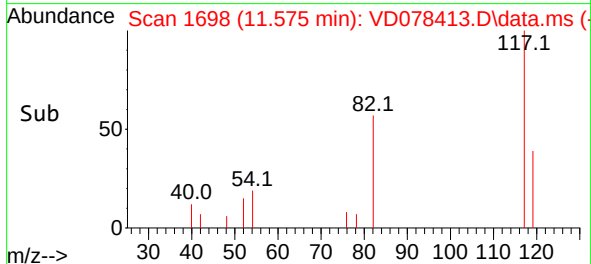
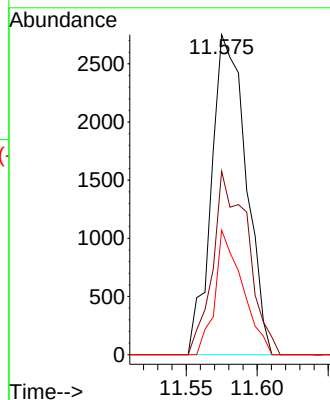
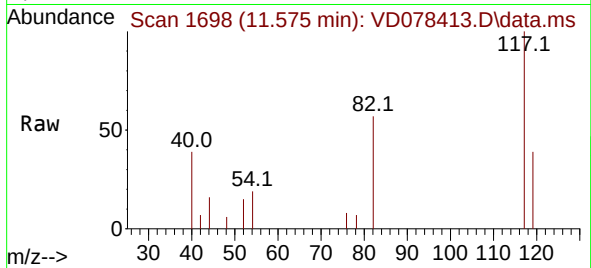




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. -0.012 min
Lab File: VD078413.D
Acq: 14 Feb 2024 14:44

Instrument :
MSVOA_D
ClientSampleId :
VNJ-241

Tgt Ion:117 Resp: 4674
Ion Ratio Lower Upper
117 100
82 57.4 38.3 57.5
119 38.9 25.0 37.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD078413.D
Acq: 14 Feb 2024 14:44

Tgt Ion:152 Resp: 1805
Ion Ratio Lower Upper
152 100
115 52.9 27.1 81.3
150 135.9 0.0 353.6

