

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023128.D
 Acq On : 15 Aug 2025 16:21
 Operator : SY/MD
 Sample : Q2844-02
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0224-0225

Quant Time: Aug 18 02:31:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

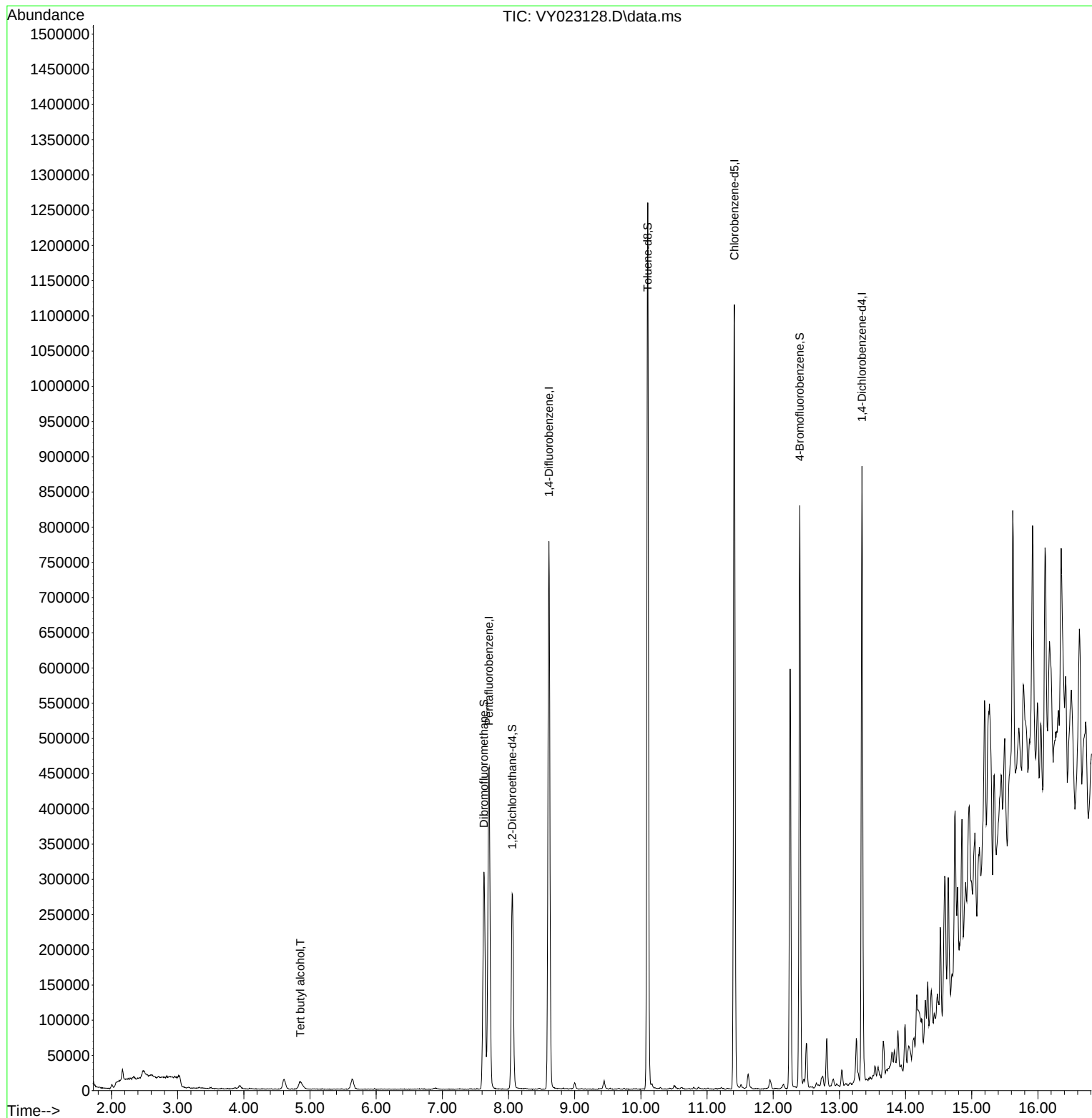
Internal Standards						
1) Pentafluorobenzene	7.701	168	359162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	674159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	586571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	217513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	220117	64.304	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.600%	
35) Dibromofluoromethane	7.628	113	219672	54.456	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.920%	
50) Toluene-d8	10.103	98	806003	51.146	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	12.402	95	241611	47.673	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.340%	
Target Compounds						
11) Tert butyl alcohol	4.854	59	18959	80.833	ug/l	Qvalue # 91

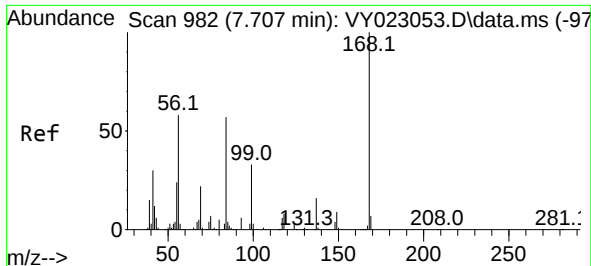
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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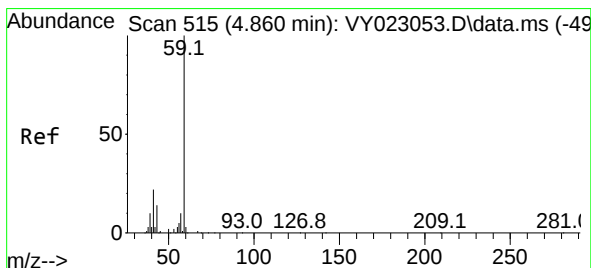
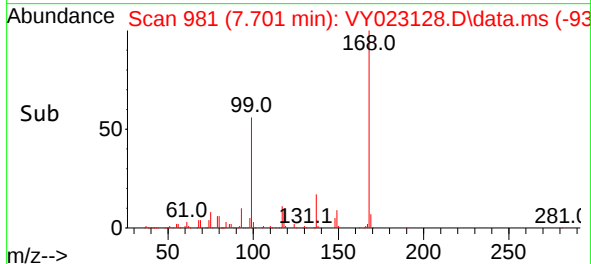
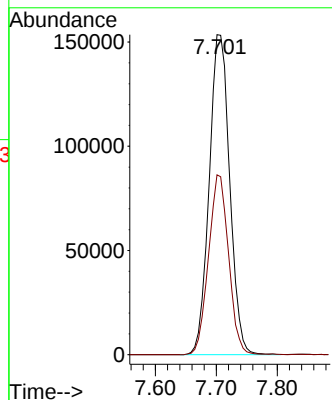
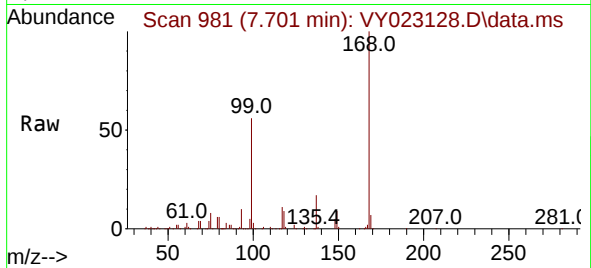




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

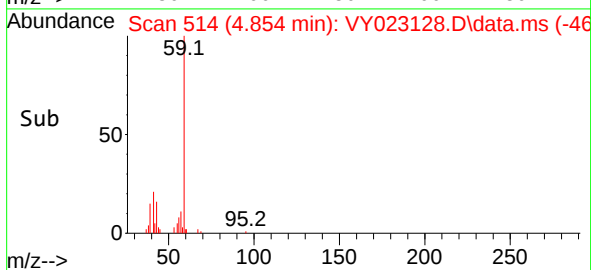
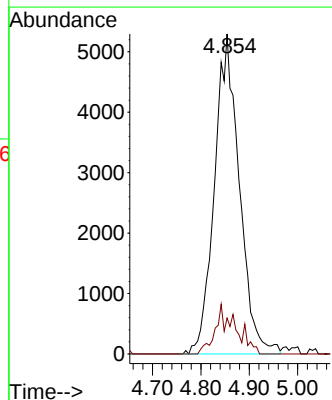
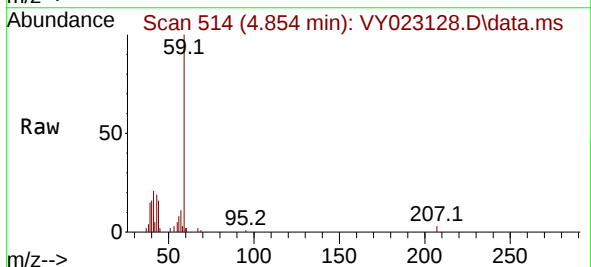
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0224-0225

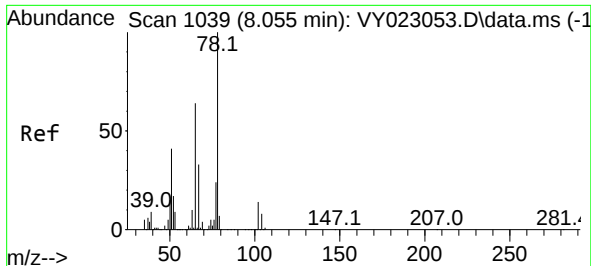
Tgt Ion:168 Resp: 359162
Ion Ratio Lower Upper
168 100
99 56.2 42.8 64.2



#11
Tert butyl alcohol
Concen: 80.833 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

Tgt Ion: 59 Resp: 18959
Ion Ratio Lower Upper
59 100
57 7.5 8.6 13.0#





#33

1,2-Dichloroethane-d4

Concen: 64.304 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY023128.D

Acq: 15 Aug 2025 16:21

Instrument :

MSVOA_Y

ClientSampleId :

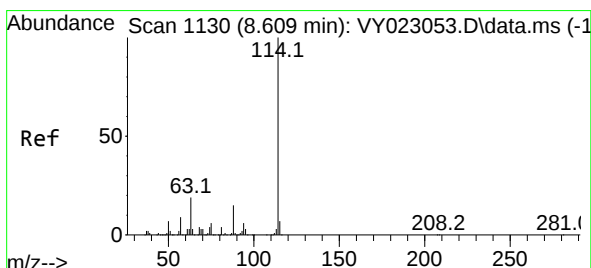
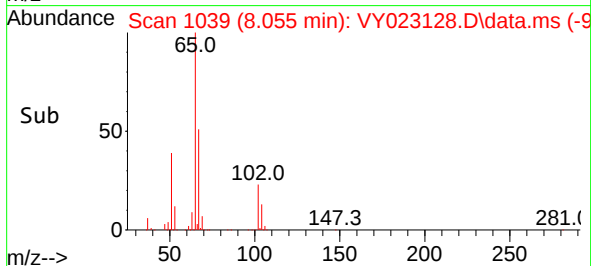
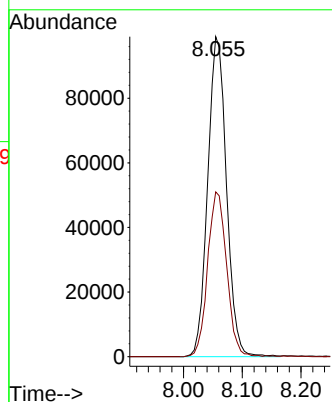
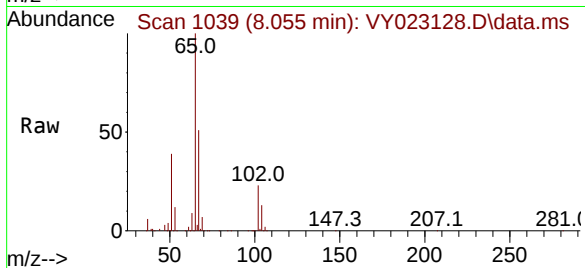
MOO-25-0224-0225

Tgt Ion: 65 Resp: 220117

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023128.D

Acq: 15 Aug 2025 16:21

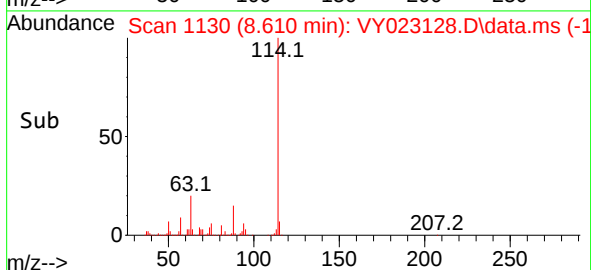
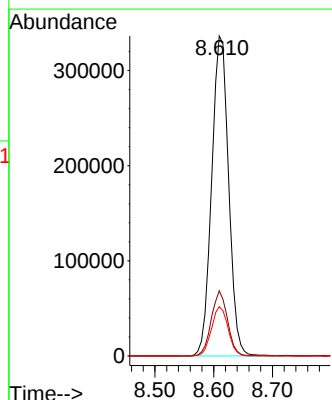
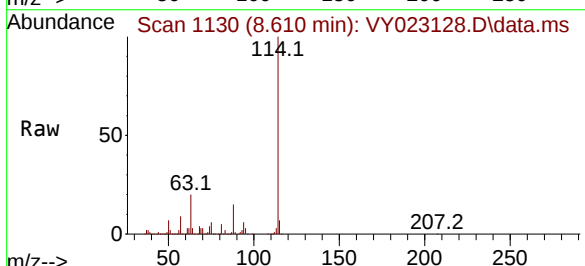
Tgt Ion: 114 Resp: 674159

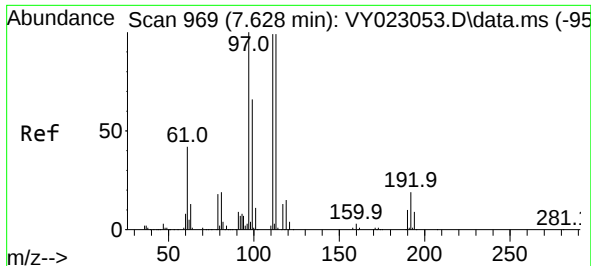
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

88 15.4 0.0 30.0

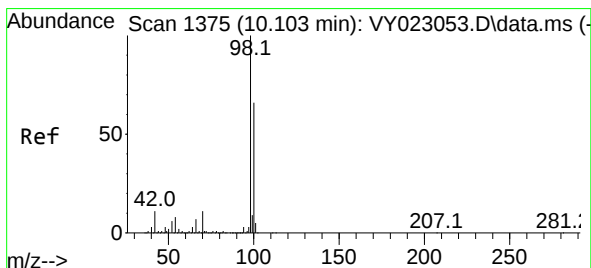
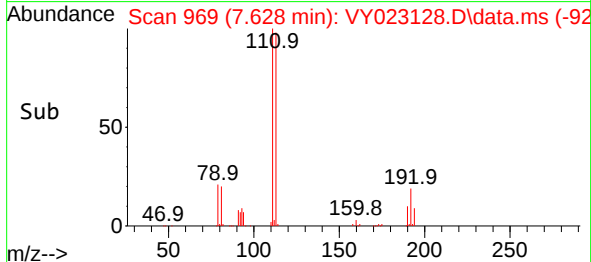
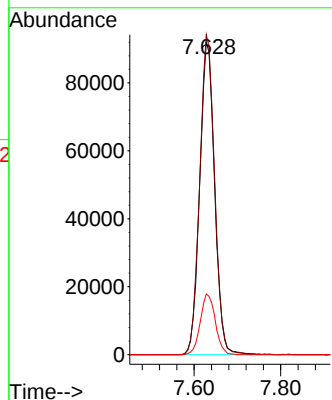
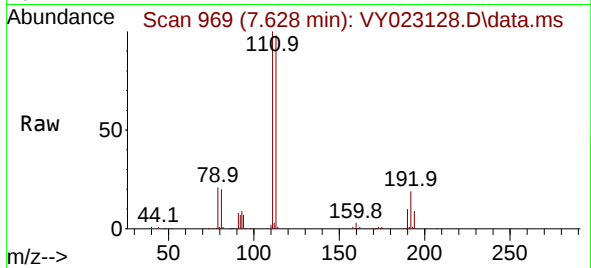




#35
Dibromofluoromethane
Concen: 54.456 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

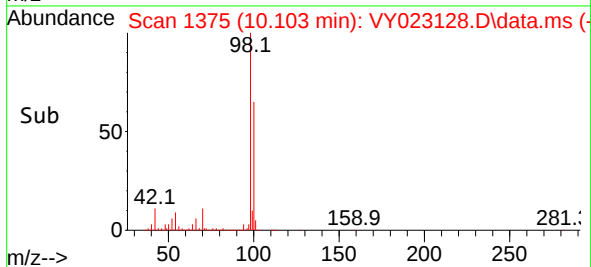
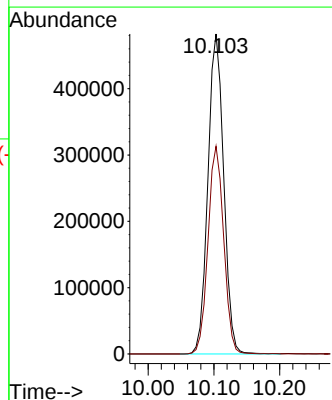
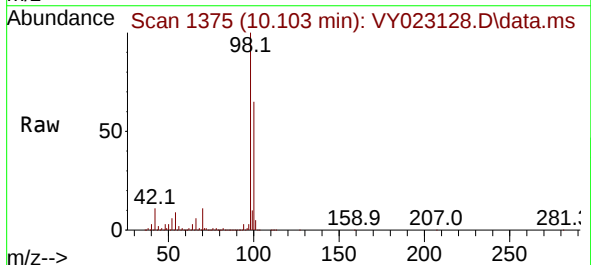
Instrument :
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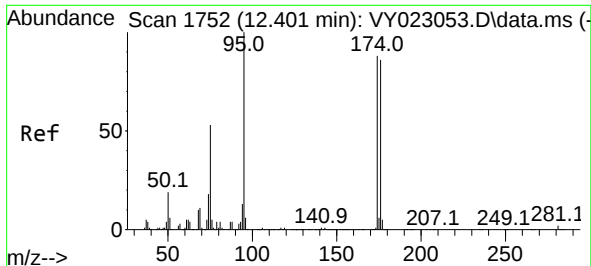
Tgt Ion:113 Resp: 219672
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 19.5 16.2 24.4



#50
Toluene-d8
Concen: 51.146 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

Tgt Ion: 98 Resp: 806003
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

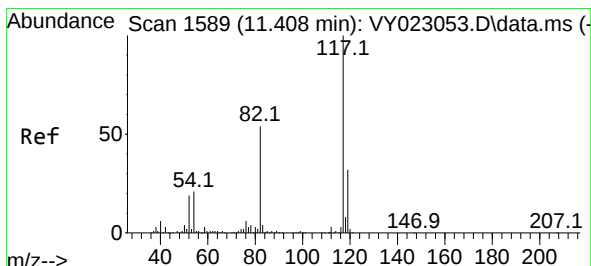
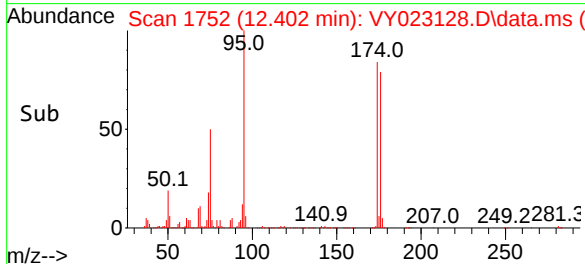
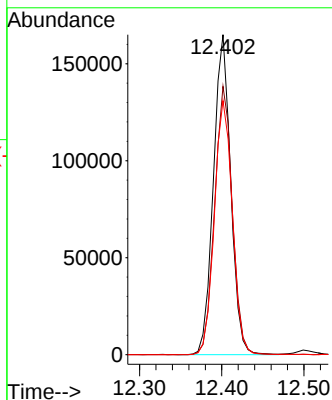
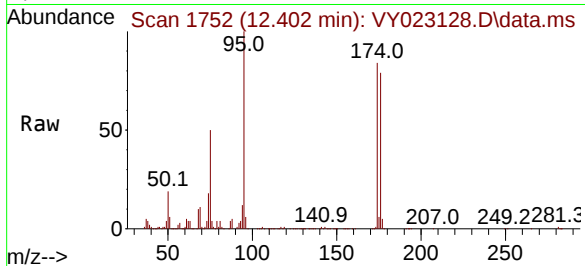




#62
4-Bromofluorobenzene
Concen: 47.673 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

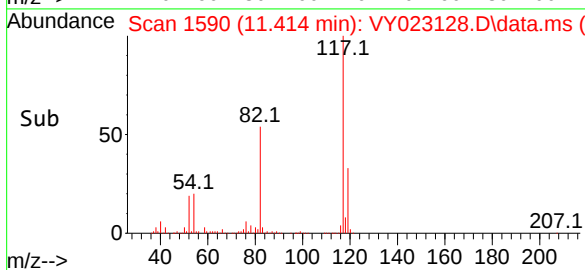
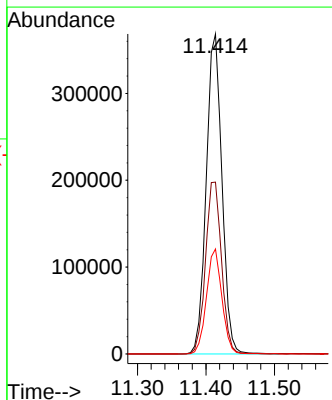
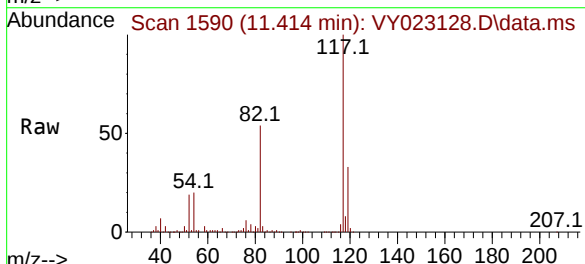
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MSVOA_Y
ClientSampleId :
MOO-25-0224-0225

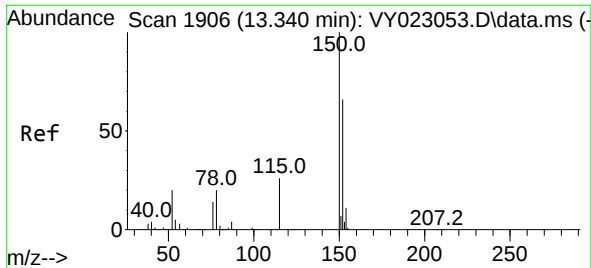
Tgt Ion: 95 Resp: 241611
Ion Ratio Lower Upper
95 100
174 86.0 0.0 171.6
176 82.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023128.D
Acq: 15 Aug 2025 16:21

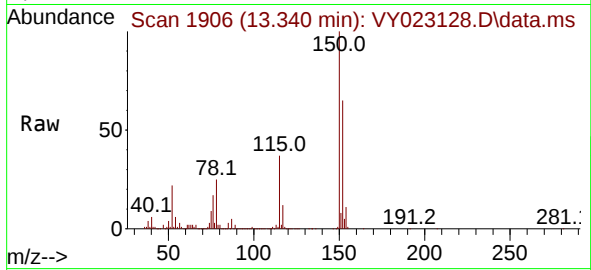
Tgt Ion: 117 Resp: 586571
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 32.8 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. 0.000 min
 Lab File: VY023128.D
 Acq: 15 Aug 2025 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0224-0225



Tgt Ion:152 Resp: 217513

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.2	84.6
150	155.3	0.0	348.0

