

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022294.D
 Acq On : 16 May 2025 16:25
 Operator : SY/MD
 Sample : Q2032-03
 Misc : 7.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-29-99

Quant Time: May 17 01:35:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

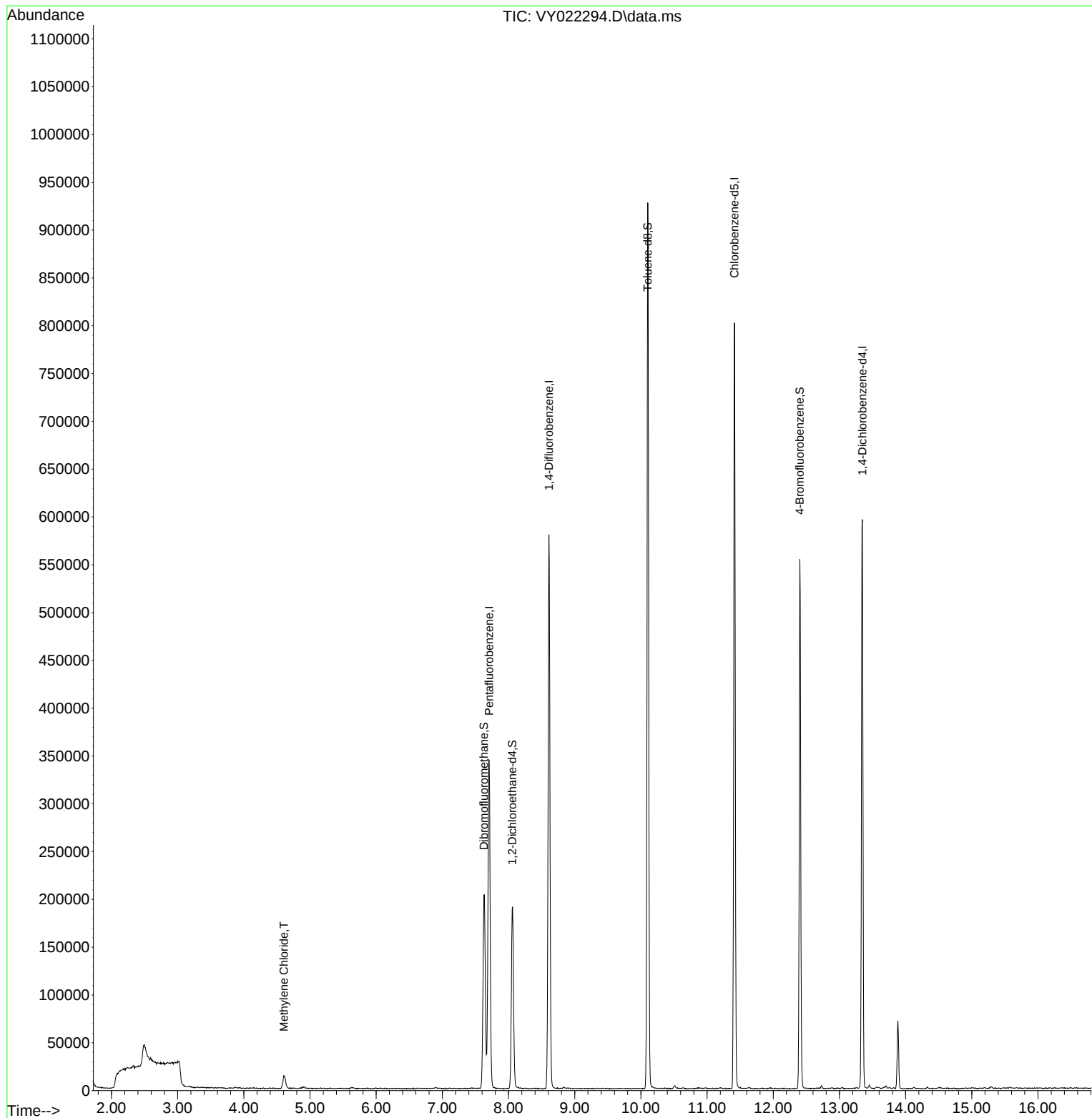
Internal Standards						
1) Pentafluorobenzene	7.707	168	265101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	475372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	384945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	145390	50.181	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.360%	
35) Dibromofluoromethane	7.628	113	143715	50.652	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.300%	
50) Toluene-d8	10.103	98	573451	49.349	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.700%	
62) 4-Bromofluorobenzene	12.402	95	150514	40.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.720%	
Target Compounds						Qvalue
20) Methylene Chloride	4.604	84	8682	2.473	ug/l	92

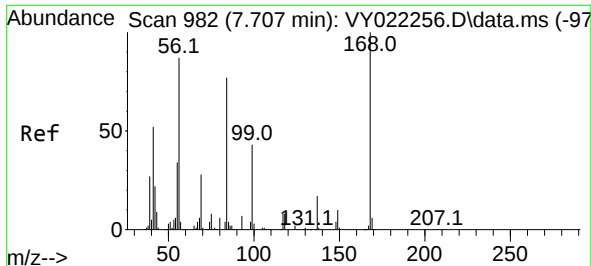
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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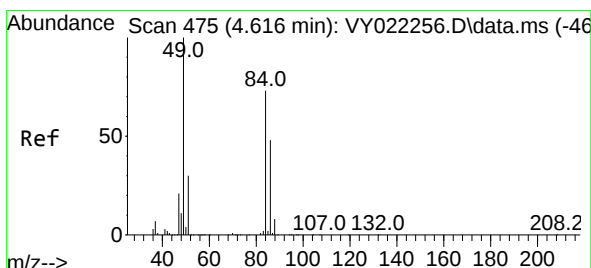
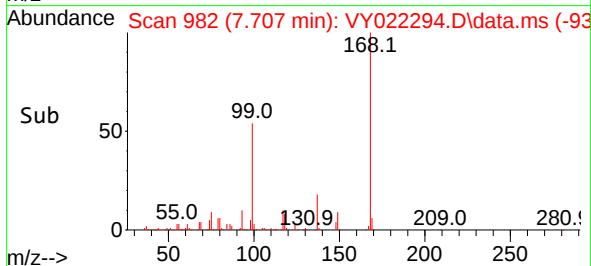
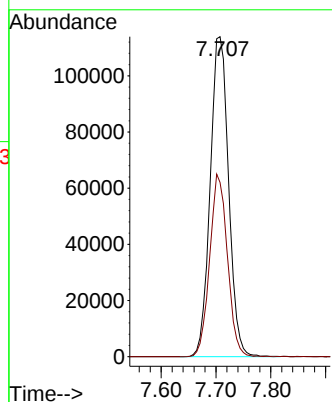
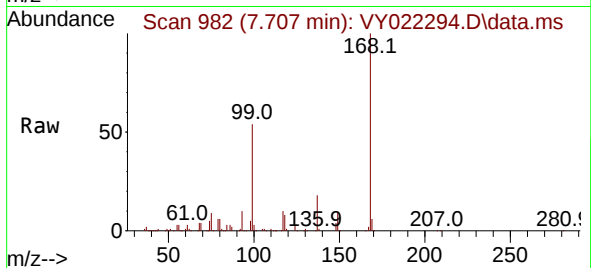




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

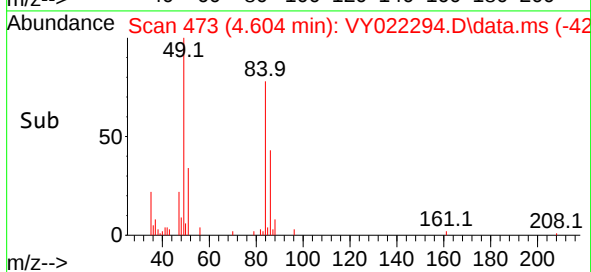
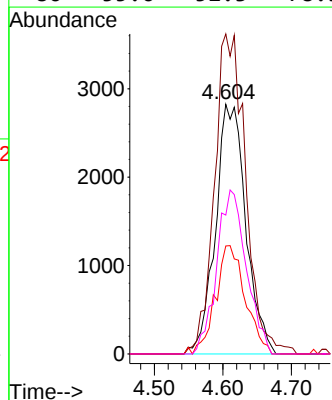
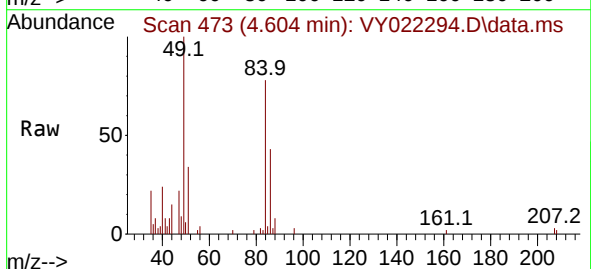
Instrument :
MSVOA_Y
ClientSampleId :
TP-29-99

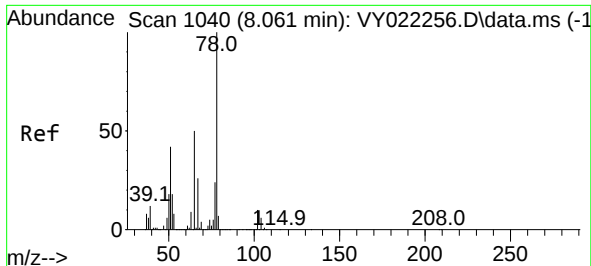
Tgt Ion:168 Resp: 265101
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#20
Methylene Chloride
Concen: 2.473 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

Tgt Ion: 84 Resp: 8682
Ion Ratio Lower Upper
84 100
49 128.2 109.6 164.4
51 43.3 32.4 48.6
86 55.6 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 50.181 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022294.D

Acq: 16 May 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

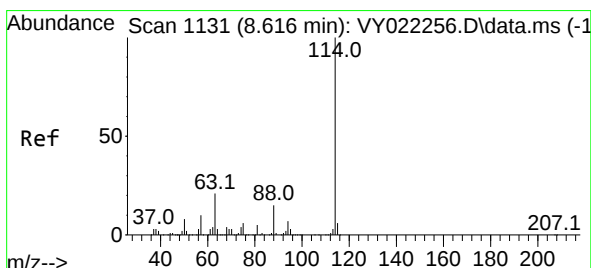
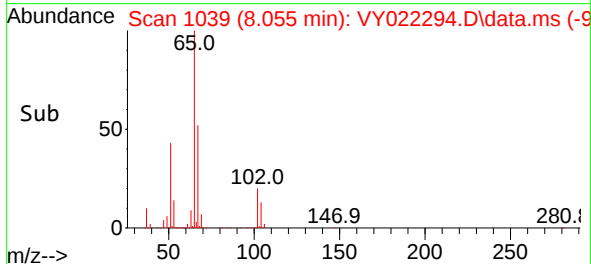
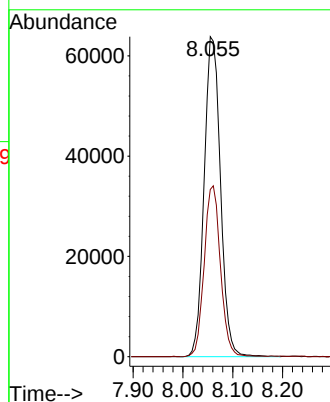
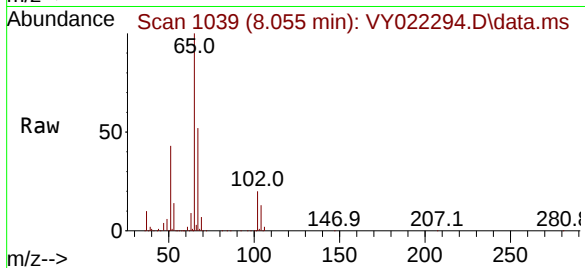
TP-29-99

Tgt Ion: 65 Resp: 145390

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022294.D

Acq: 16 May 2025 16:25

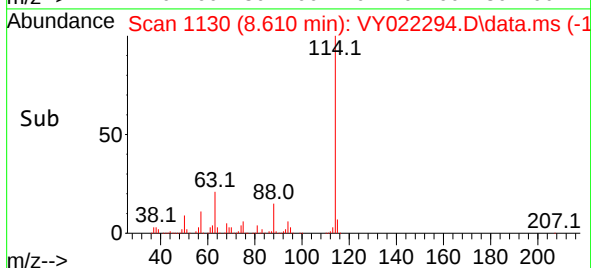
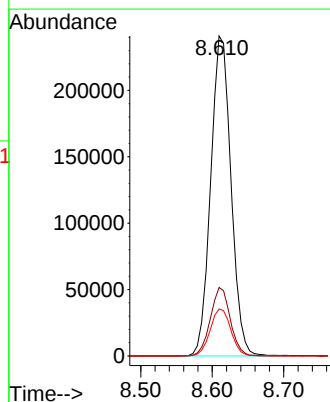
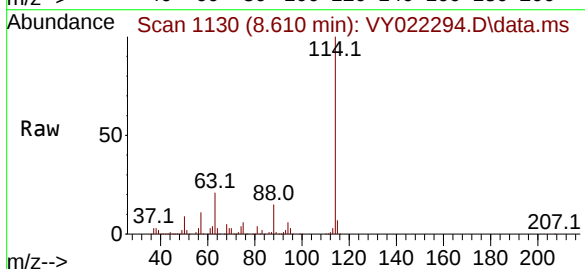
Tgt Ion: 114 Resp: 475372

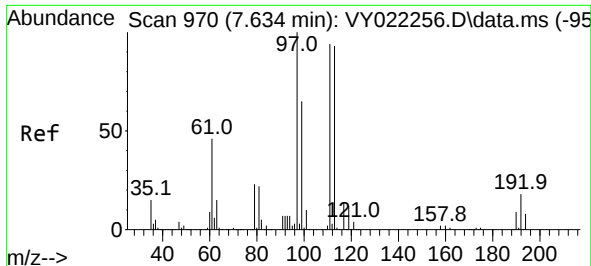
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.0

88 14.7 0.0 29.4

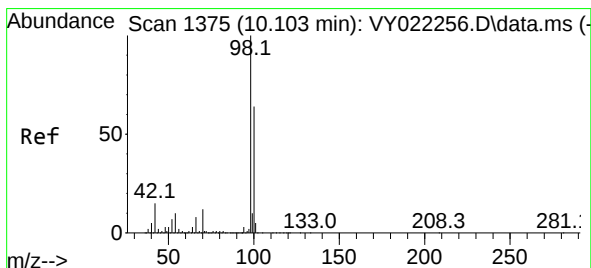
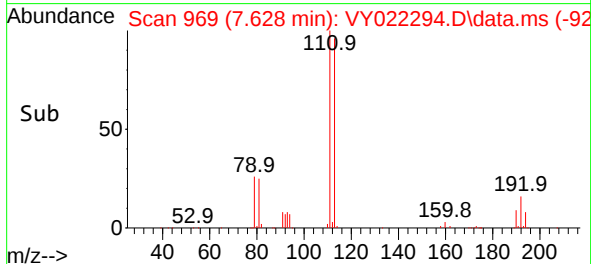
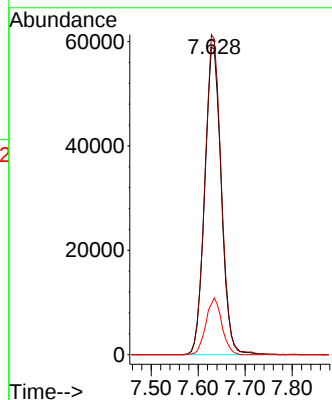
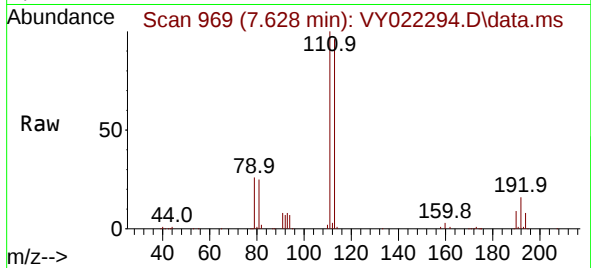




#35
Dibromofluoromethane
Concen: 50.652 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

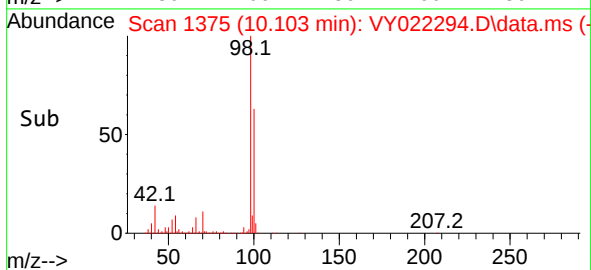
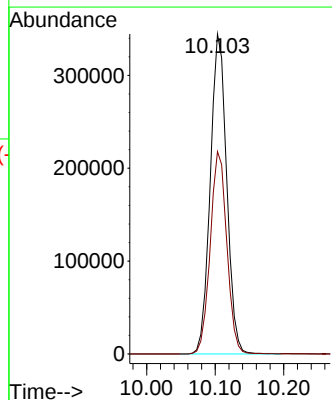
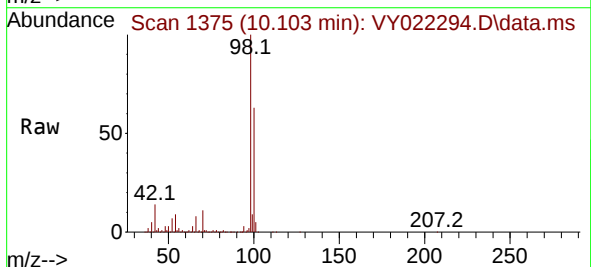
Instrument :
MSVOA_Y
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TP-29-99

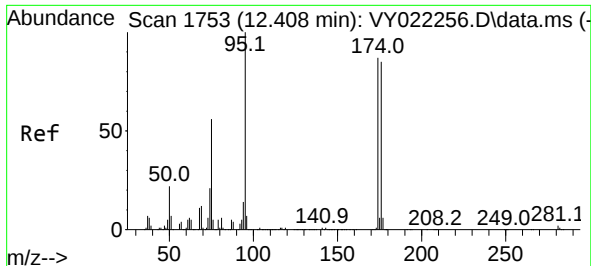
Tgt Ion:113 Resp: 143715
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 17.8 15.2 22.8



#50
Toluene-d8
Concen: 49.349 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

Tgt Ion: 98 Resp: 573451
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8

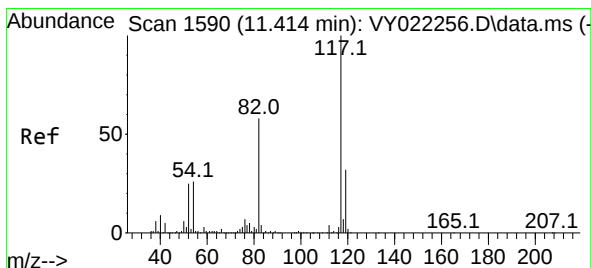
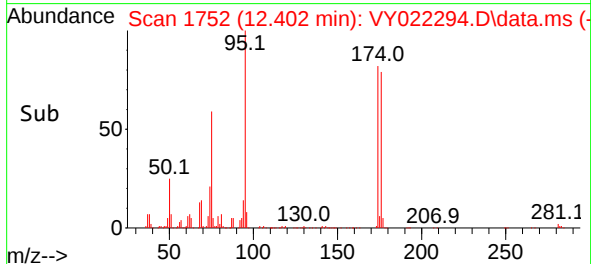
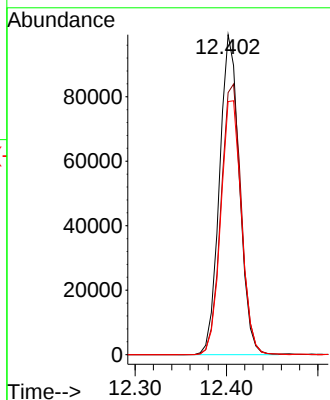
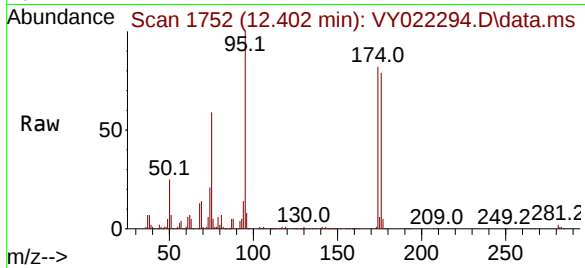




#62
4-Bromofluorobenzene
Concen: 40.864 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

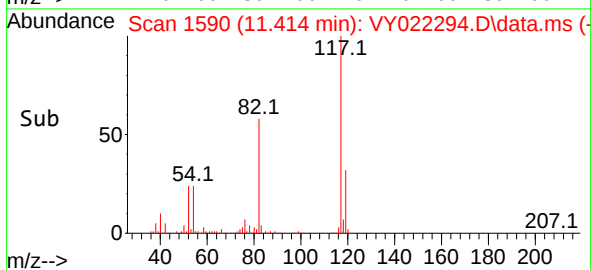
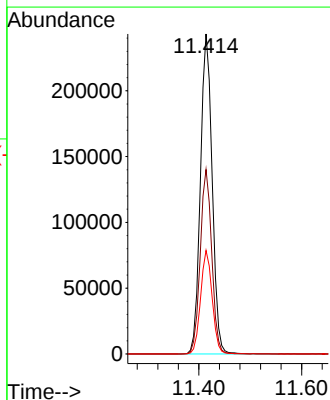
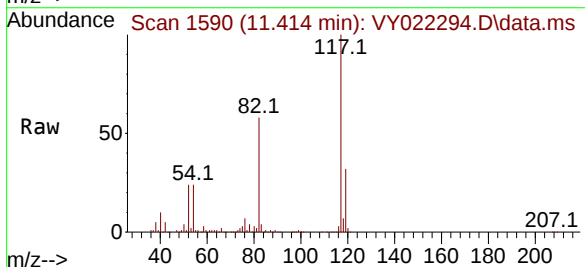
Instrument :
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ClientSampleId :
TP-29-99

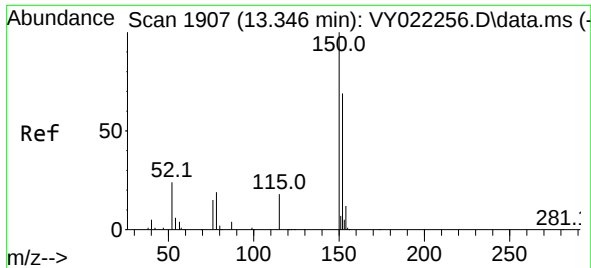
Tgt Ion: 95 Resp: 150514
Ion Ratio Lower Upper
95 100
174 86.9 0.0 166.8
176 82.5 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022294.D
Acq: 16 May 2025 16:25

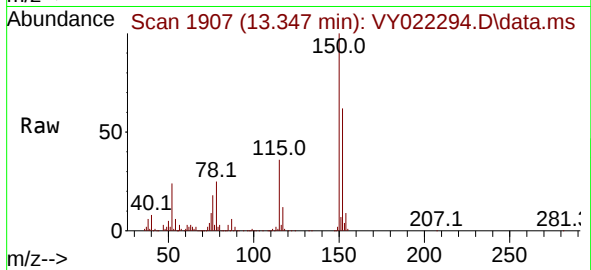
Tgt Ion: 117 Resp: 384945
Ion Ratio Lower Upper
117 100
82 57.7 46.6 70.0
119 32.4 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022294.D
 Acq: 16 May 2025 16:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-29-99



Tgt Ion:	152	Resp:	141625
Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.4	88.2
150	158.3	0.0	353.8

