

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021584.D
 Acq On : 20 Mar 2025 15:58
 Operator : SY/MD
 Sample : Q1603-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-070-031925

Quant Time: Mar 21 01:34:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

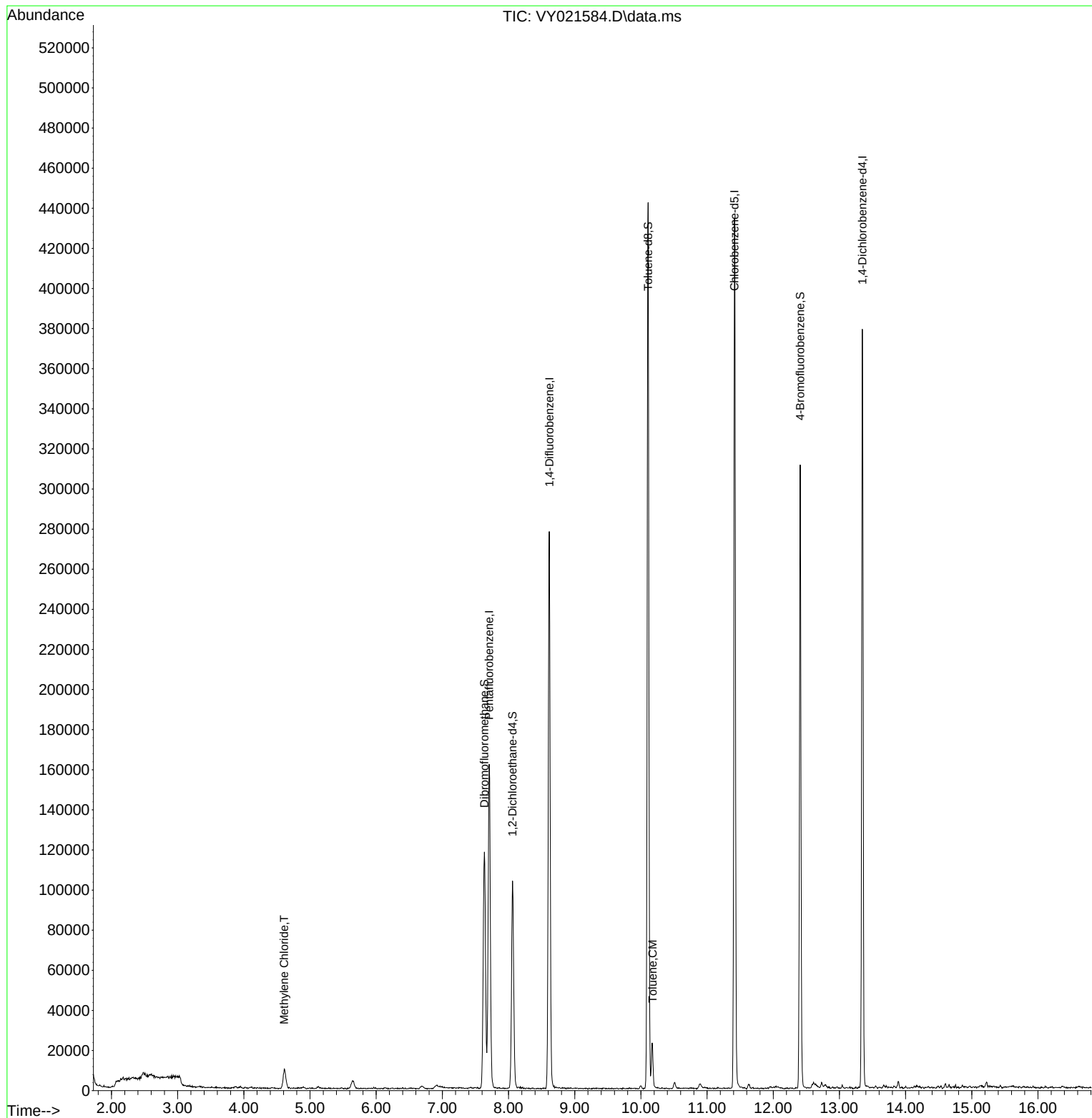
Internal Standards						
1) Pentafluorobenzene	7.707	168	120594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	228379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	223083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	91321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	82602	64.806	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.620%	
35) Dibromofluoromethane	7.634	113	84104	56.026	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.060%	
50) Toluene-d8	10.109	98	287260	50.539	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.080%	
62) 4-Bromofluorobenzene	12.408	95	91782	47.471	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.940%	
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	6619	4.536	ug/l	94
52) Toluene	10.176	92	8489	1.945	ug/l	95

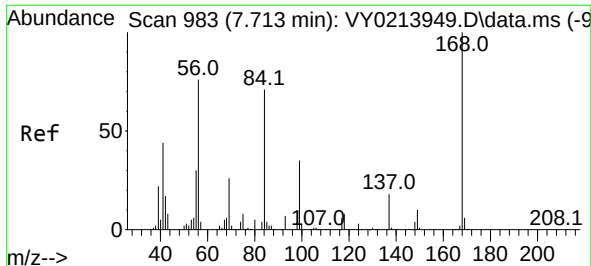
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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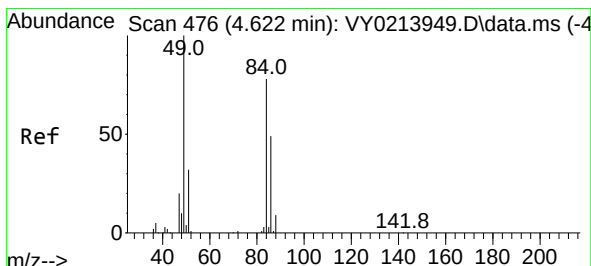
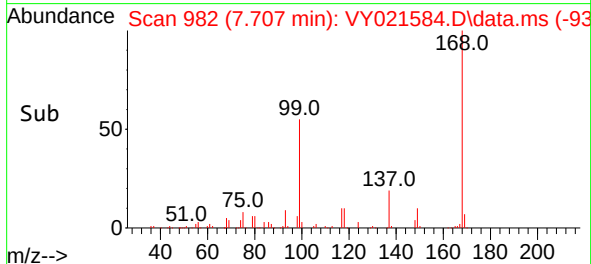
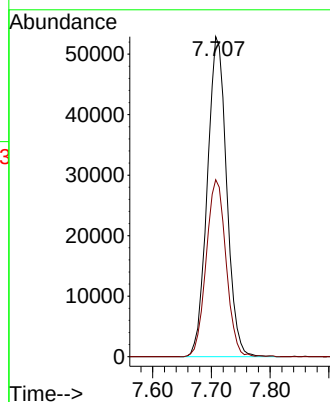
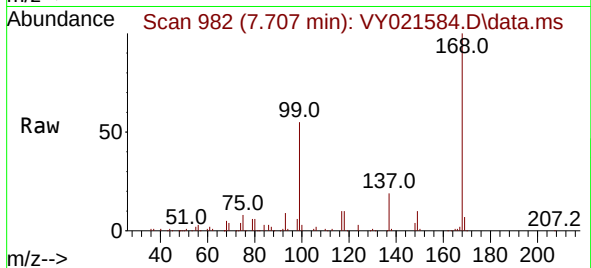




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

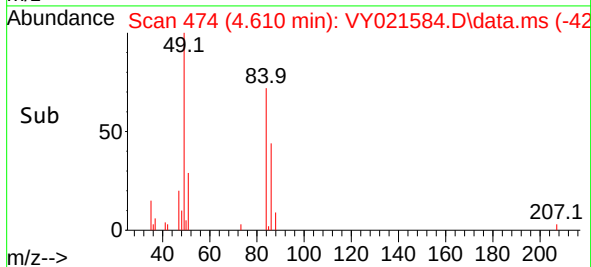
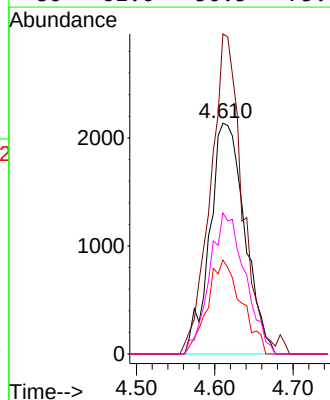
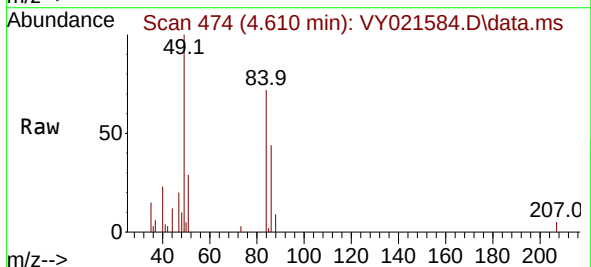
Instrument :
MSVOA_Y
ClientSampleId :
NB-070-031925

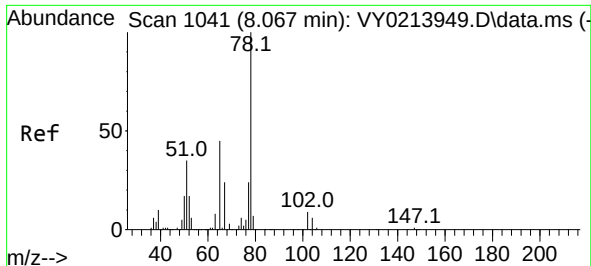
Tgt Ion:168 Resp: 120594
Ion Ratio Lower Upper
168 100
99 55.3 46.0 69.0



#20
Methylene Chloride
Concen: 4.536 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Tgt Ion: 84 Resp: 6619
Ion Ratio Lower Upper
84 100
49 138.7 102.0 153.0
51 40.7 33.0 49.6
86 61.0 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 64.806 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021584.D

Acq: 20 Mar 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

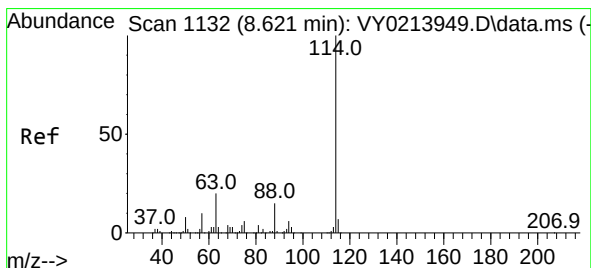
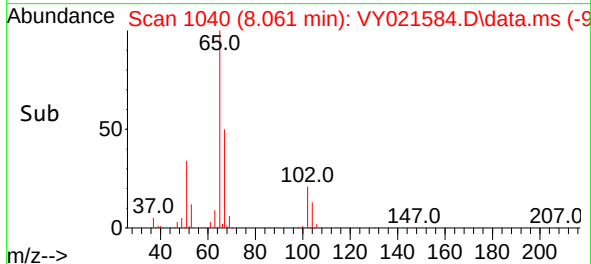
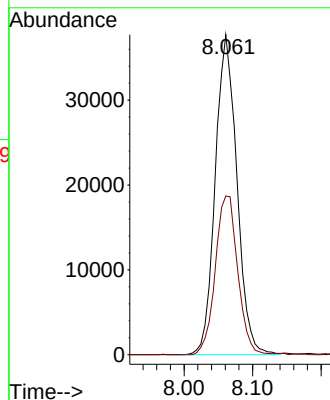
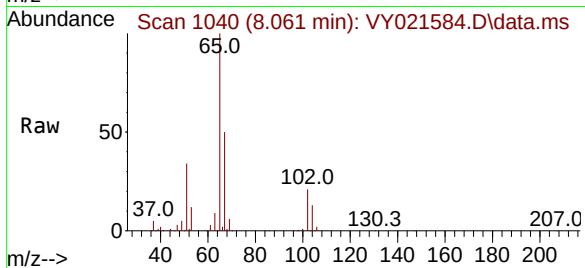
NB-070-031925

Tgt Ion: 65 Resp: 82602

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021584.D

Acq: 20 Mar 2025 15:58

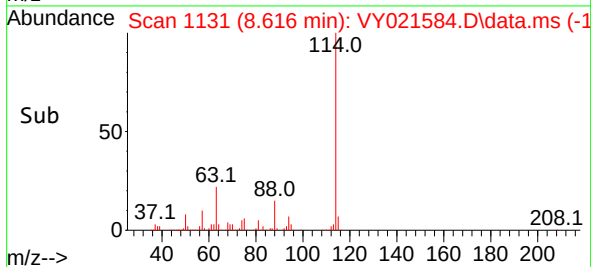
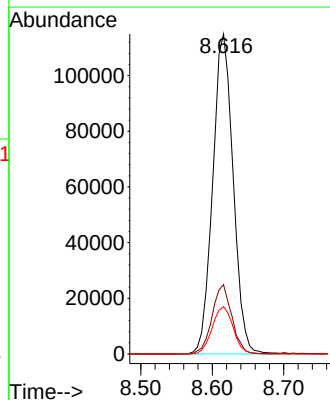
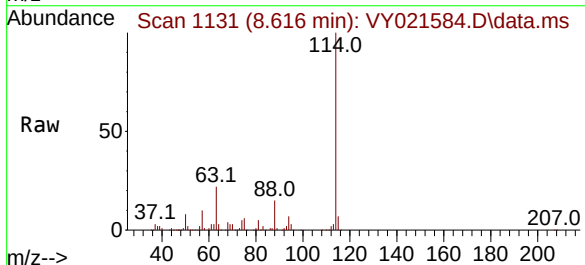
Tgt Ion: 114 Resp: 228379

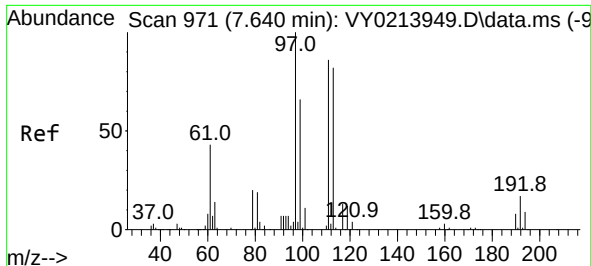
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.8

88 14.7 0.0 30.8

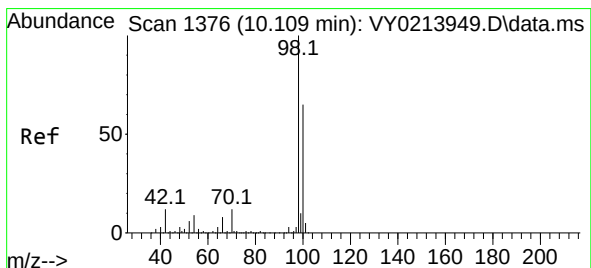
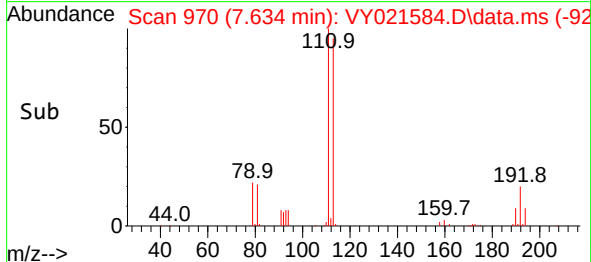
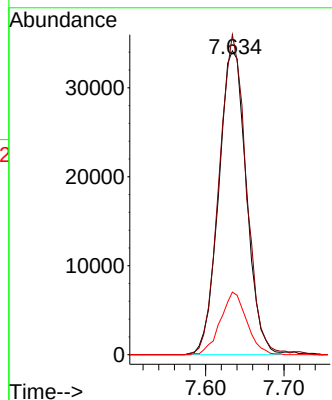
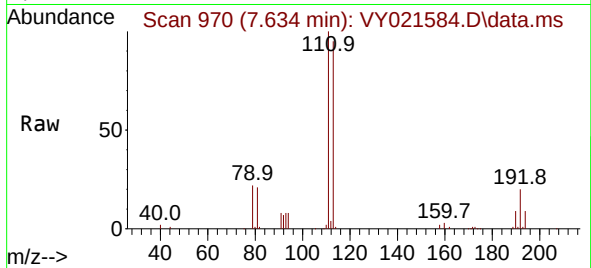




#35
Dibromofluoromethane
Concen: 56.026 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

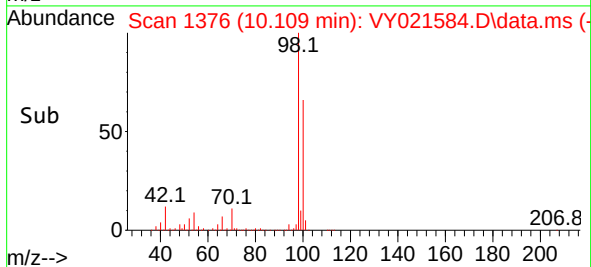
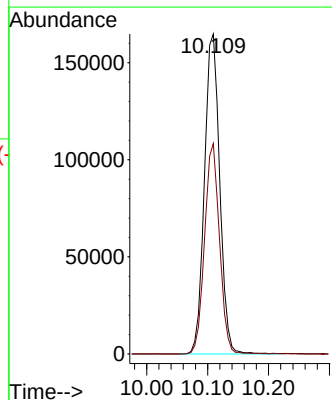
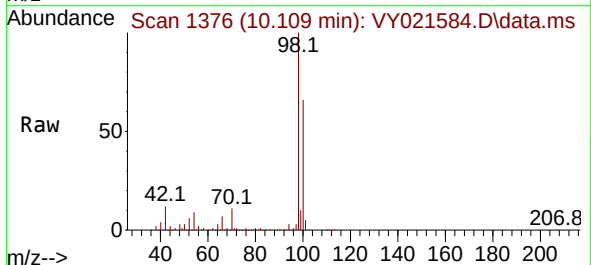
Instrument :
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ClientSampleId :
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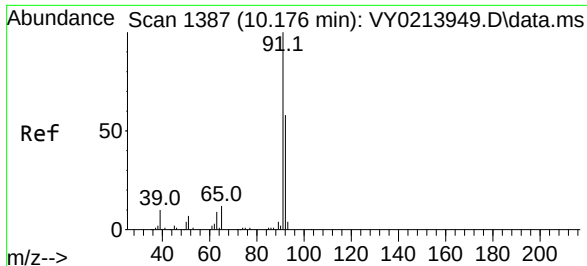
Tgt Ion:113 Resp: 84104
Ion Ratio Lower Upper
113 100
111 102.9 82.0 123.0
192 19.6 15.9 23.9



#50
Toluene-d8
Concen: 50.539 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Tgt Ion: 98 Resp: 287260
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

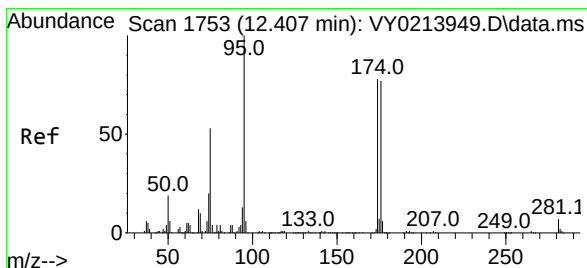
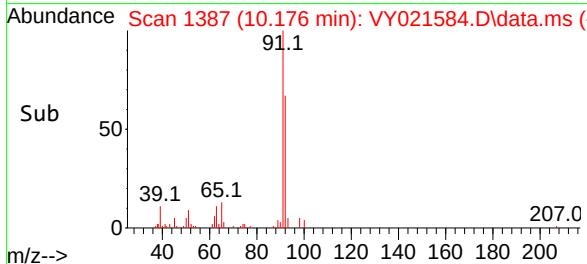
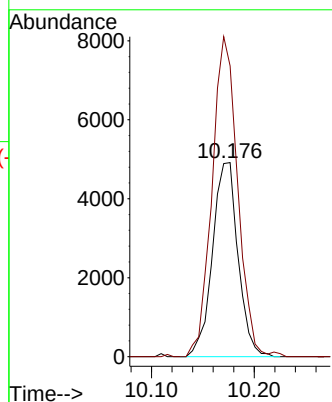
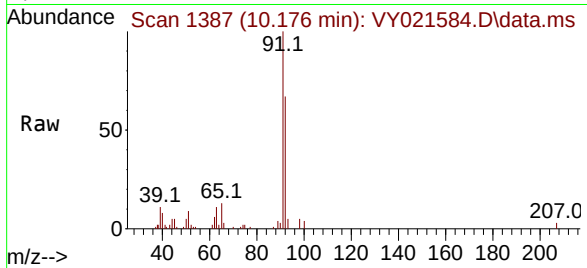




#52
Toluene
Concen: 1.945 ug/l
RT: 10.176 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

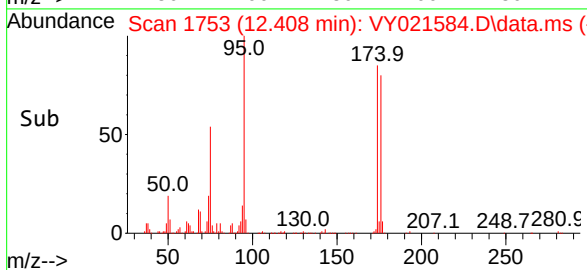
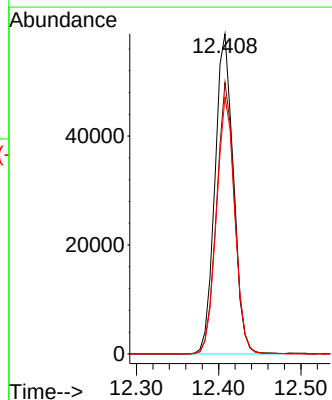
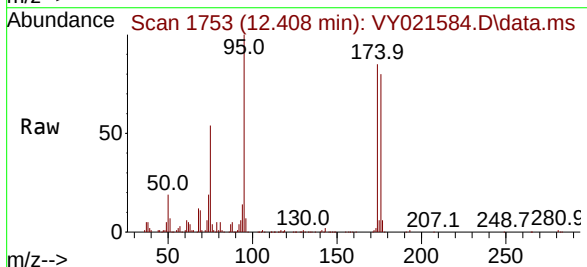
Instrument :
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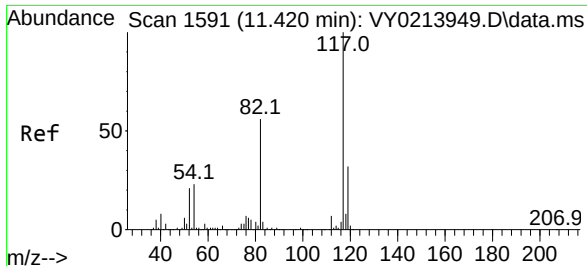
Tgt Ion: 92 Resp: 8489
Ion Ratio Lower Upper
92 100
91 165.3 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 47.471 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Tgt Ion: 95 Resp: 91782
Ion Ratio Lower Upper
95 100
174 82.6 0.0 165.0
176 79.6 0.0 160.0

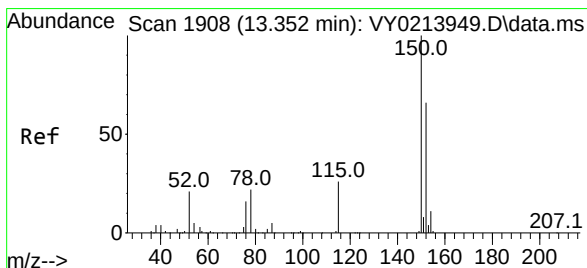
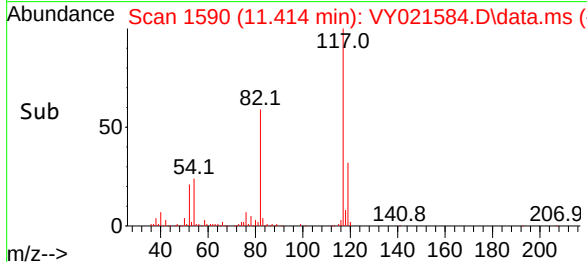
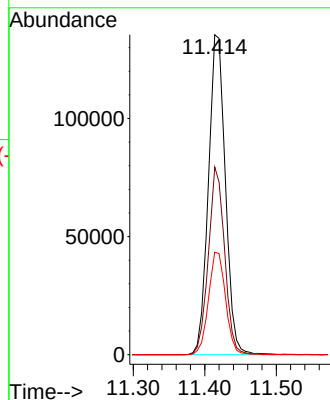
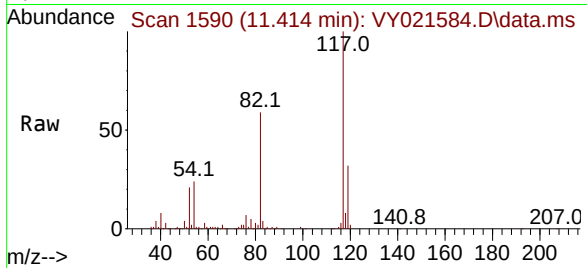




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Instrument :
MSVOA_Y
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Tgt Ion:117 Resp: 223083
Ion Ratio Lower Upper
117 100
82 58.6 44.6 67.0
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021584.D
Acq: 20 Mar 2025 15:58

Tgt Ion:152 Resp: 91321
Ion Ratio Lower Upper
152 100
115 58.5 29.0 87.0
150 158.1 0.0 347.2

