

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
 Data File : VY021422.D
 Acq On : 05 Mar 2025 18:52
 Operator : SY/MD
 Sample : Q1489-13
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Mar 06 02:58:54 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)

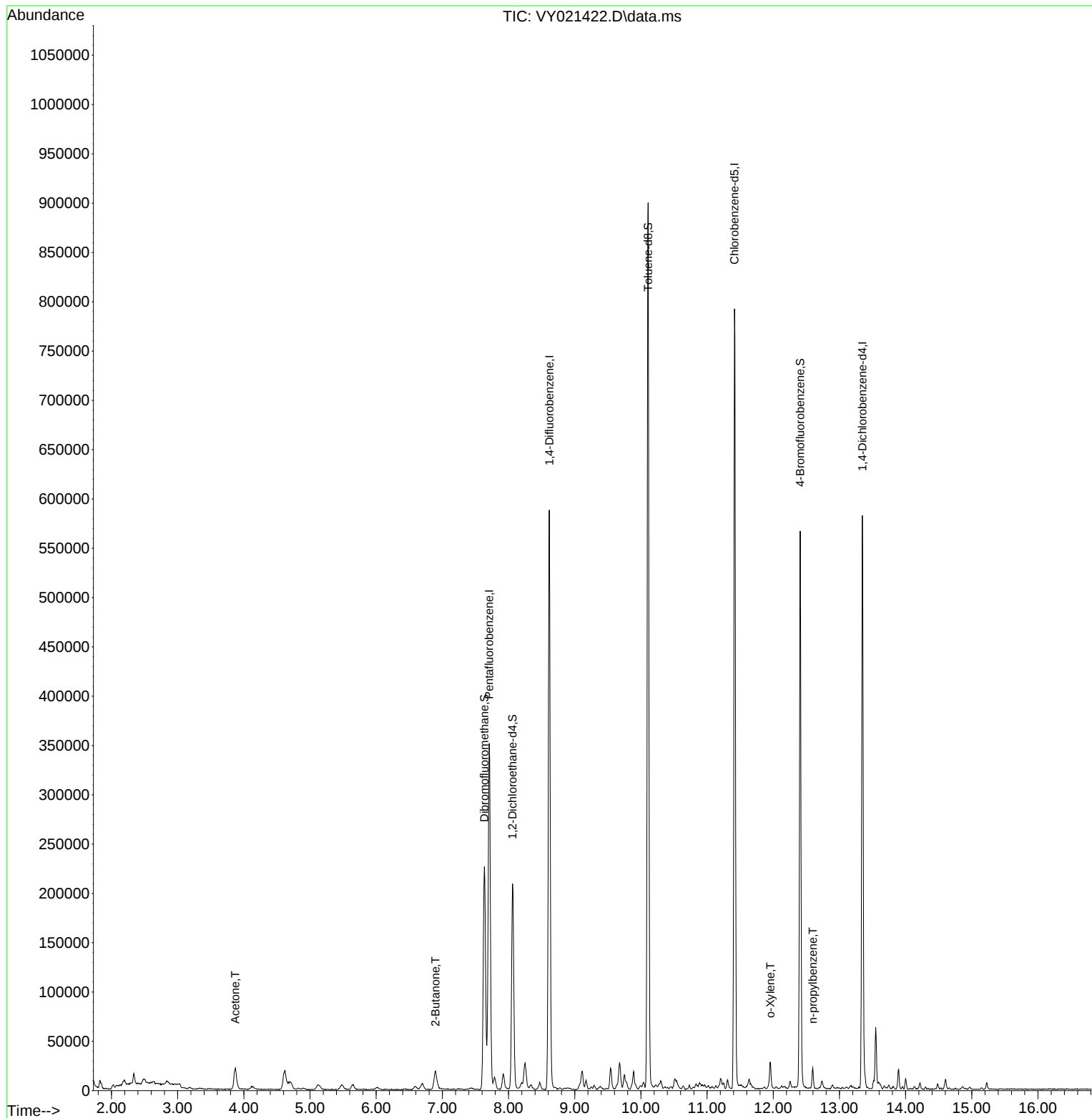
Internal Standards						
1) Pentafluorobenzene	7.707	168	255796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	469966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	404174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167852	62.084	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.160%	
35) Dibromofluoromethane	7.634	113	160028	51.803	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.600%	
50) Toluene-d8	10.109	98	571540	48.864	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.720%	
62) 4-Bromofluorobenzene	12.408	95	164853	41.434	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.860%	
Target Compounds						Qvalue
16) Acetone	3.873	43	37853	64.192	ug/l	93
25) 2-Butanone	6.896	43	16262	19.936	ug/l #	89
69) o-Xylene	11.957	106	6829	1.165	ug/l	99
78) n-propylbenzene	12.597	91	14528	1.074	ug/l	100

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

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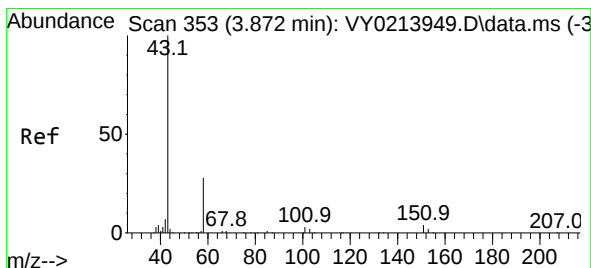
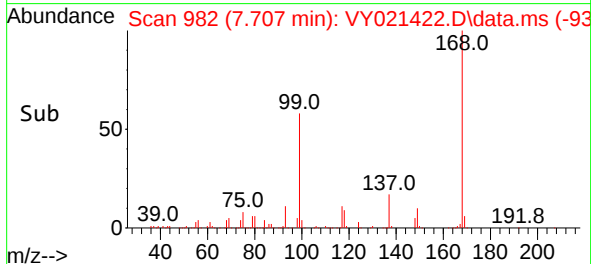
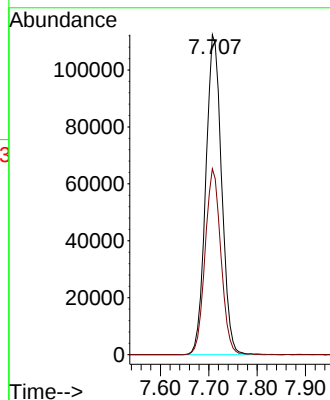
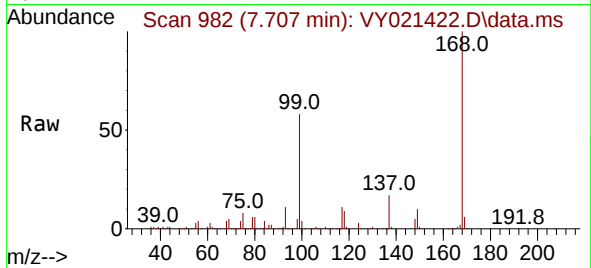




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021422.D
Acq: 05 Mar 2025 18:52

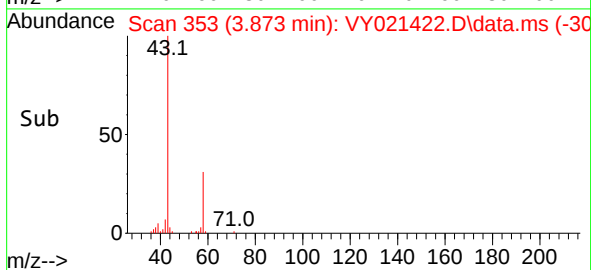
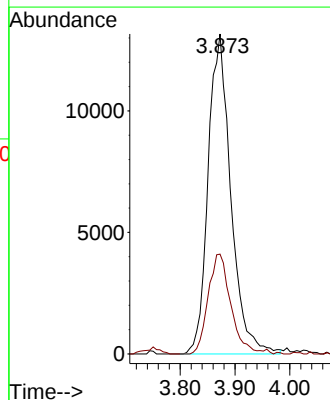
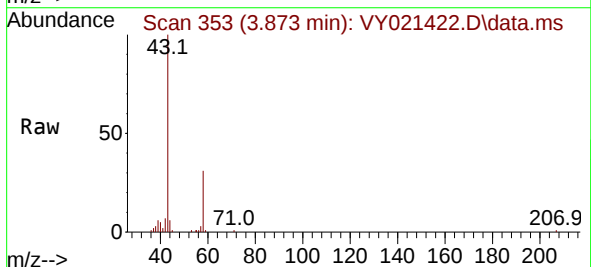
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

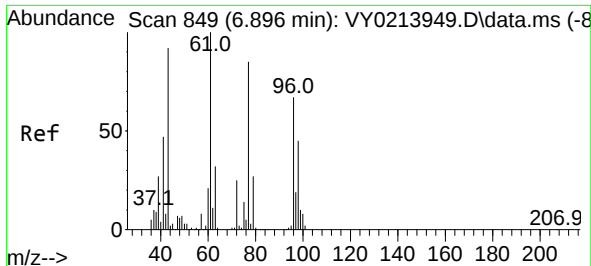
Tgt Ion:168 Resp: 255796
Ion Ratio Lower Upper
168 100
99 58.1 46.0 69.0



#16
Acetone
Concen: 64.192 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021422.D
Acq: 05 Mar 2025 18:52

Tgt Ion: 43 Resp: 37853
Ion Ratio Lower Upper
43 100
58 31.2 22.1 33.1





#25

2-Butanone

Concen: 19.936 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY021422.D

Acq: 05 Mar 2025 18:52

Instrument :

MSVOA_Y

ClientSampleId :

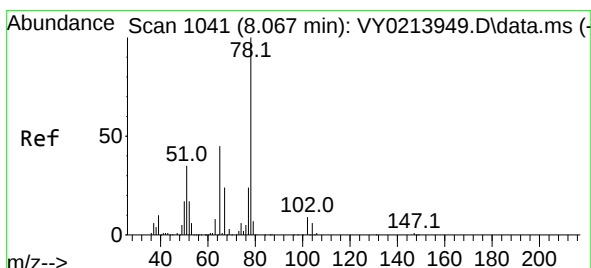
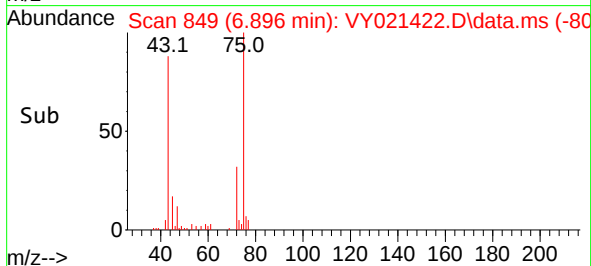
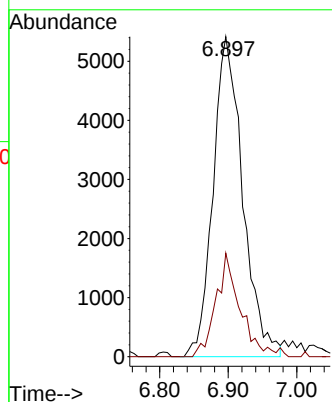
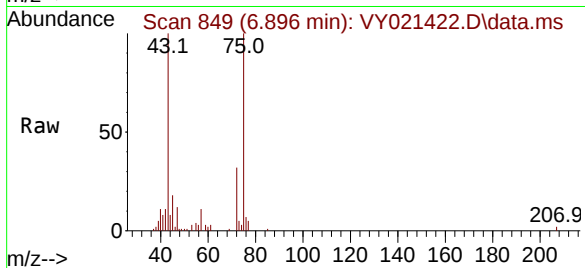
TP-4

Tgt Ion: 43 Resp: 16262

Ion Ratio Lower Upper

43 100

72 32.3 21.4 32.0#



#33

1,2-Dichloroethane-d4

Concen: 62.084 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021422.D

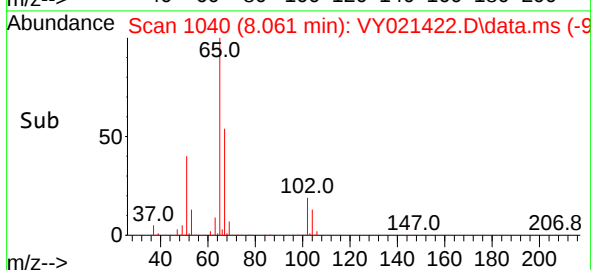
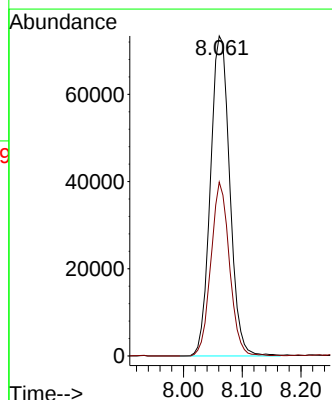
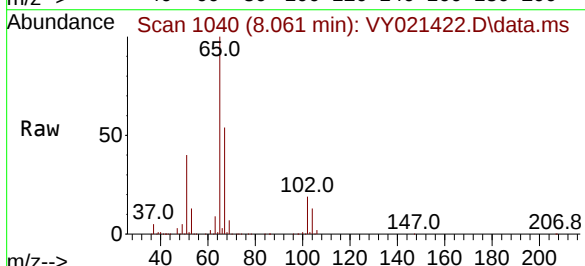
Acq: 05 Mar 2025 18:52

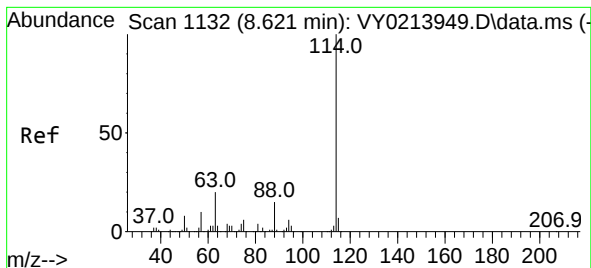
Tgt Ion: 65 Resp: 167852

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021422.D

Acq: 05 Mar 2025 18:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

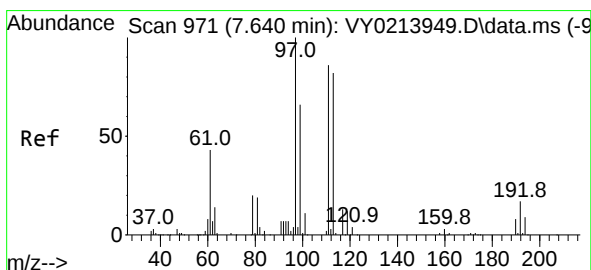
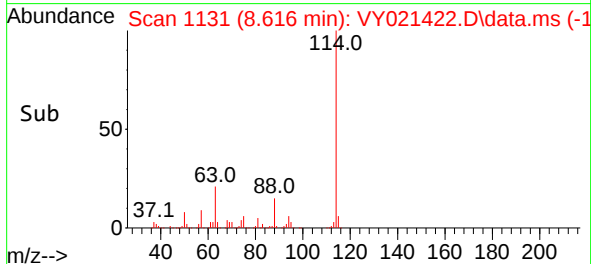
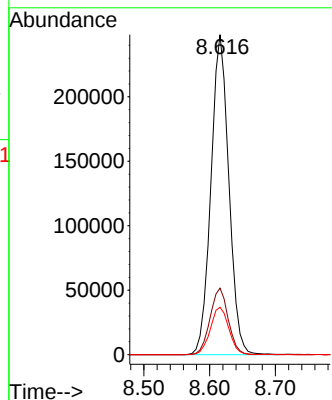
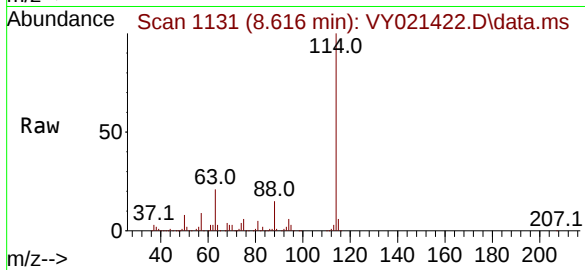
Tgt Ion:114 Resp: 469966

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 14.8 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.803 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021422.D

Acq: 05 Mar 2025 18:52

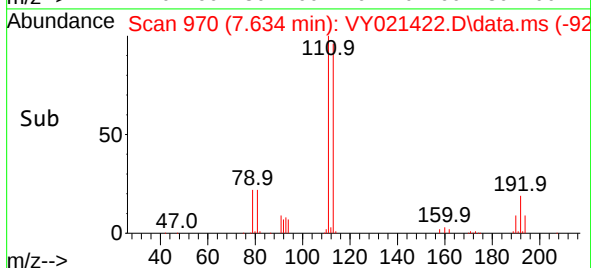
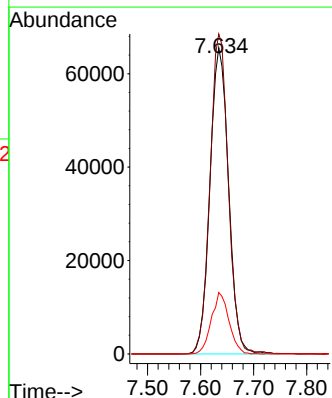
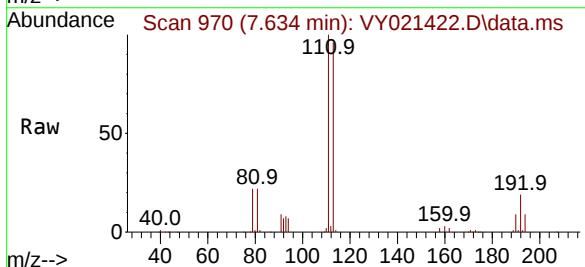
Tgt Ion:113 Resp: 160028

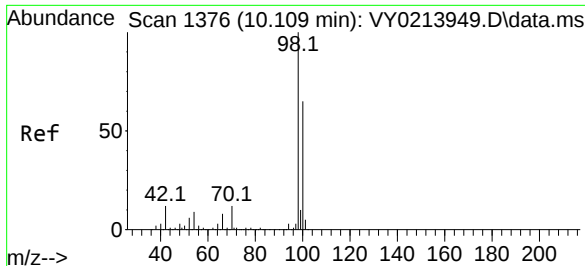
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 19.0 15.9 23.9

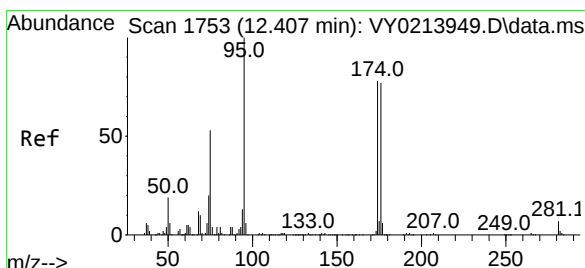
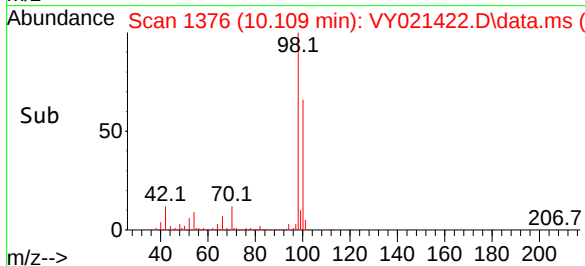
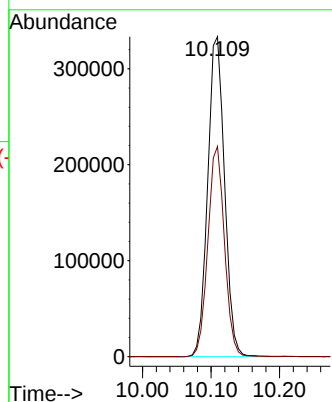
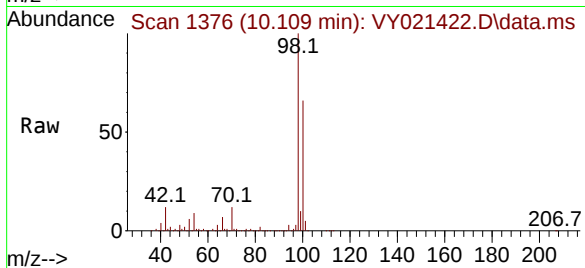




#50
Toluene-d8
Concen: 48.864 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021422.D
Acq: 05 Mar 2025 18:52

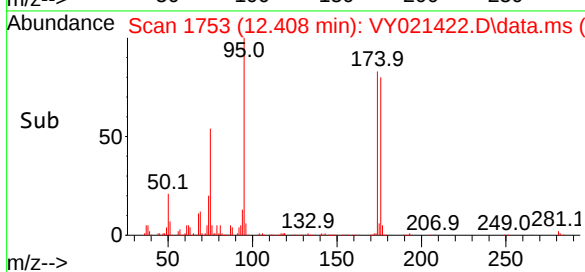
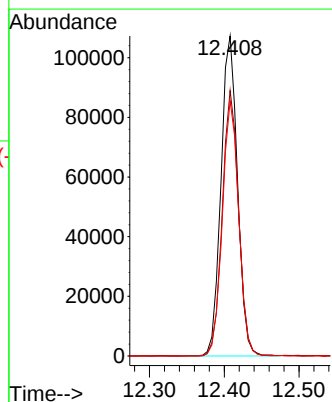
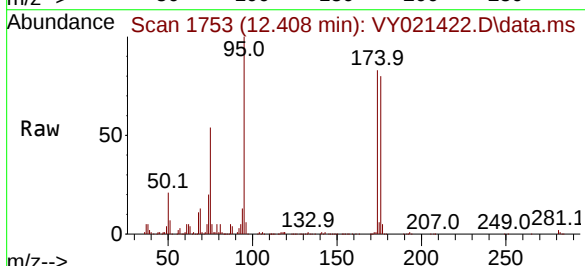
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

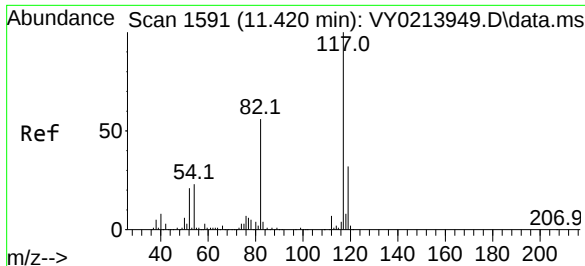
Tgt Ion: 98 Resp: 571540
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.434 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021422.D
Acq: 05 Mar 2025 18:52

Tgt Ion: 95 Resp: 164853
Ion Ratio Lower Upper
95 100
174 81.9 0.0 165.0
176 78.8 0.0 160.0

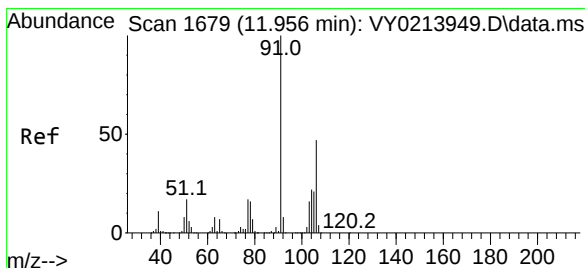
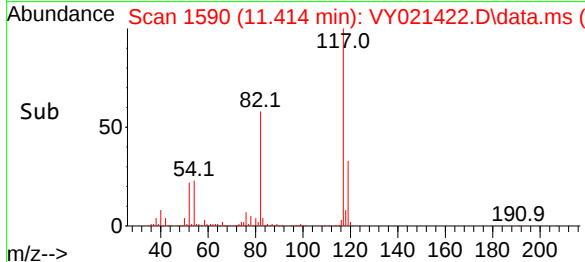
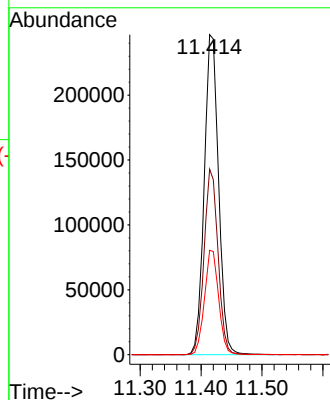
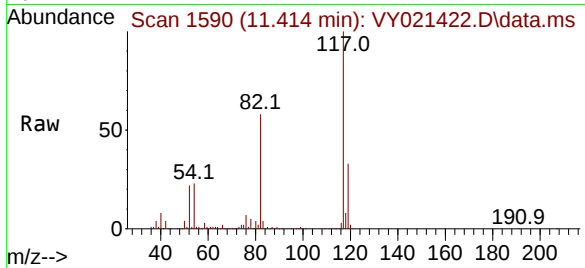




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021422.D
Acq: 05 Mar 2025 18:52

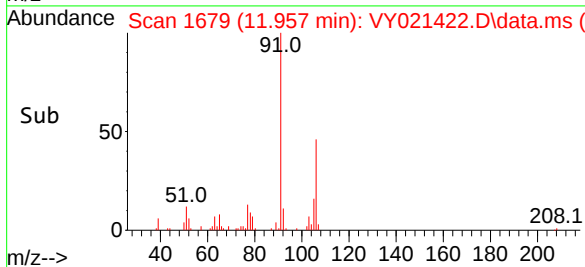
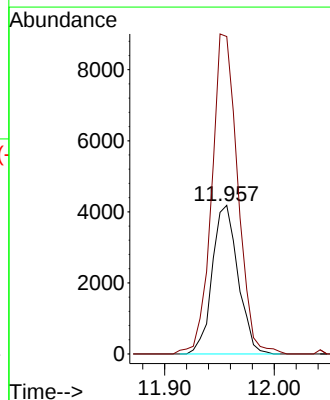
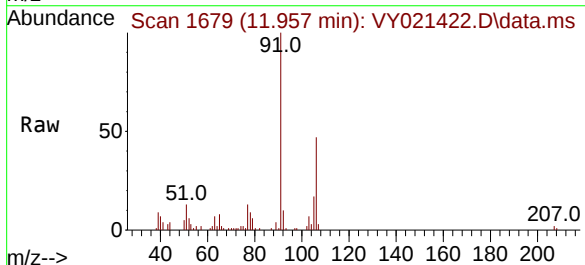
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

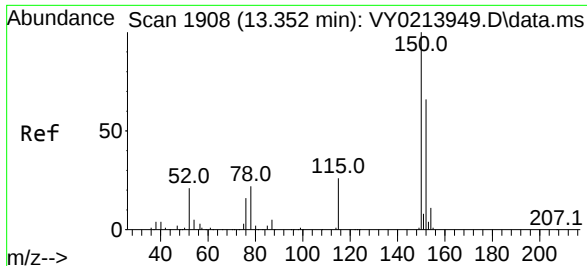
Tgt Ion:117 Resp: 404174
Ion Ratio Lower Upper
117 100
82 58.0 44.6 67.0
119 32.6 25.4 38.0



#69
o-Xylene
Concen: 1.165 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021422.D
Acq: 05 Mar 2025 18:52

Tgt Ion:106 Resp: 6829
Ion Ratio Lower Upper
106 100
91 217.3 107.6 322.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY021422.D

Acq: 05 Mar 2025 18:52

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

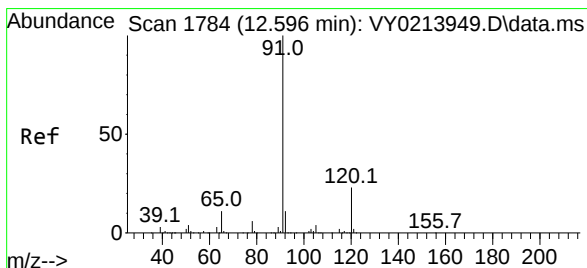
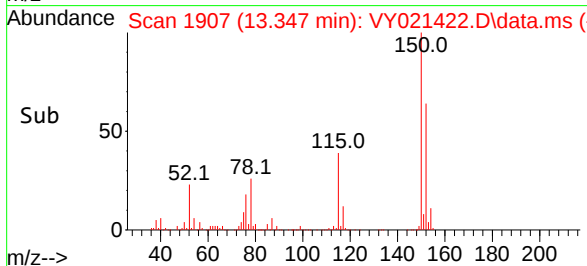
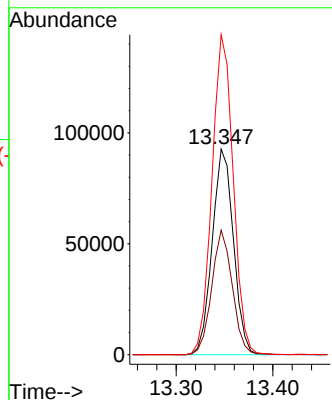
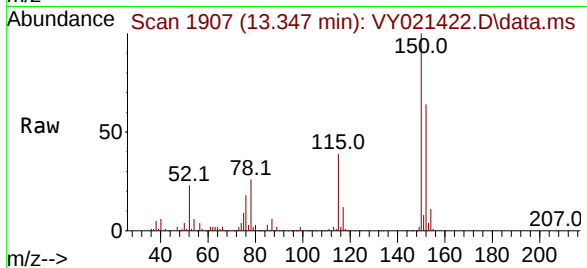
Tgt Ion:152 Resp: 141371

Ion Ratio Lower Upper

152 100

115 58.7 29.0 87.0

150 155.5 0.0 347.2



#78

n-propylbenzene

Concen: 1.074 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021422.D

Acq: 05 Mar 2025 18:52

Tgt Ion: 91 Resp: 14528

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.8

