

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022089.D
 Acq On : 30 Apr 2025 17:52
 Operator : SY/MD
 Sample : Q1901-04
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-167-SB02

Quant Time: May 01 01:39:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

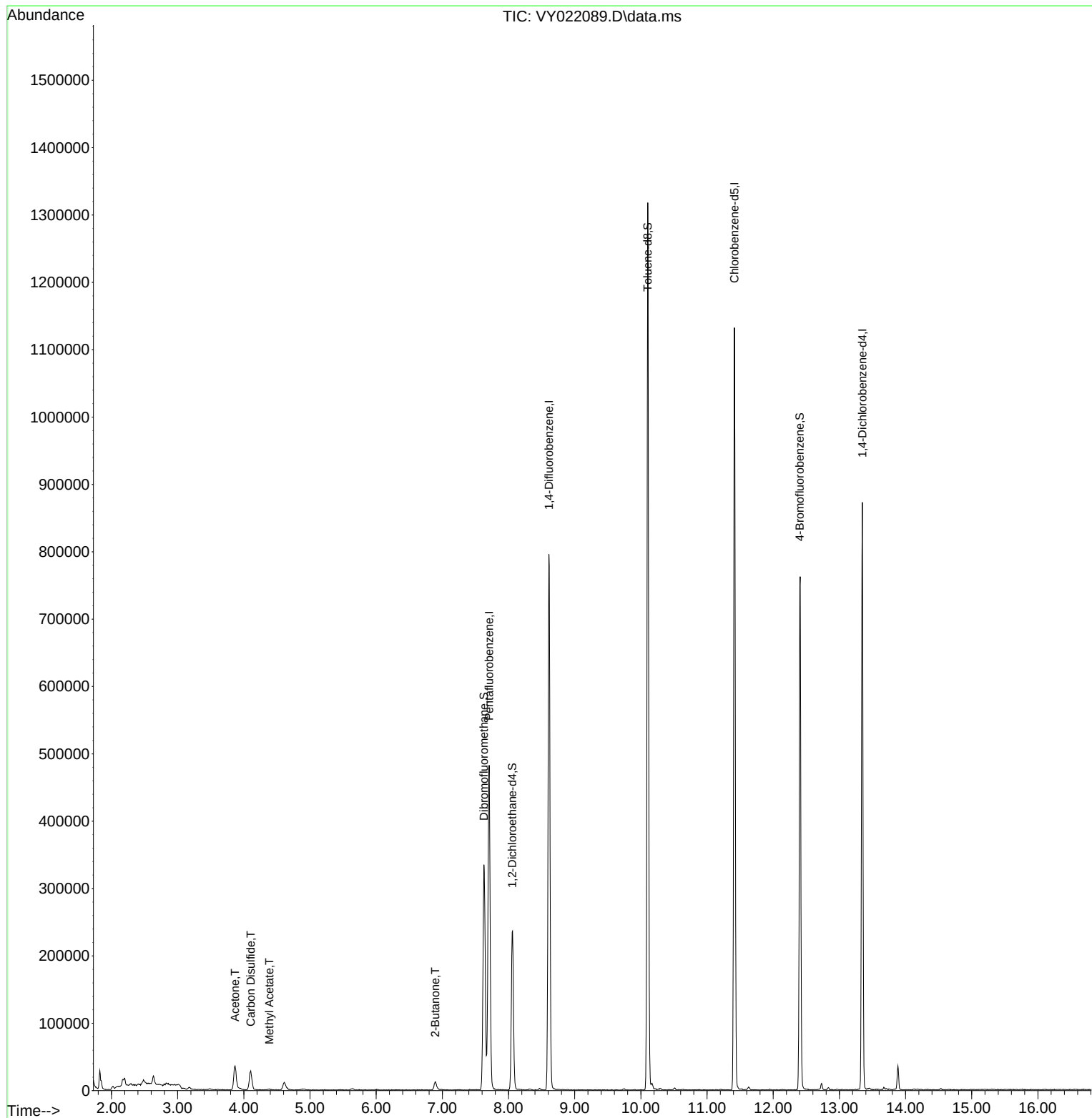
Internal Standards						
1) Pentafluorobenzene	7.707	168	381091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	712829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	629182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	233488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	188495	53.549	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.100%	
35) Dibromofluoromethane	7.628	113	240173	50.999	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.000%	
50) Toluene-d8	10.103	98	847633	47.743	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.480%	
62) 4-Bromofluorobenzene	12.401	95	235165	39.347	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.700%	
Target Compounds						Qvalue
16) Acetone	3.866	43	62048	123.893	ug/l	98
17) Carbon Disulfide	4.104	76	59112	4.894	ug/l	99
18) Methyl Acetate	4.385	43	2398	1.458	ug/l #	72
25) 2-Butanone	6.890	43	18807	23.439	ug/l	94

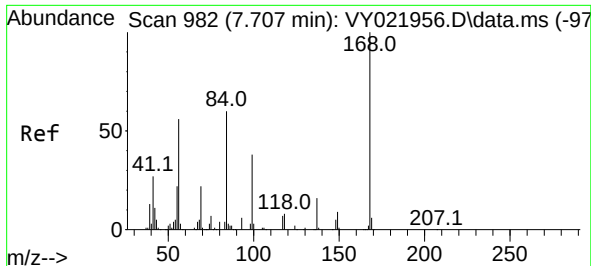
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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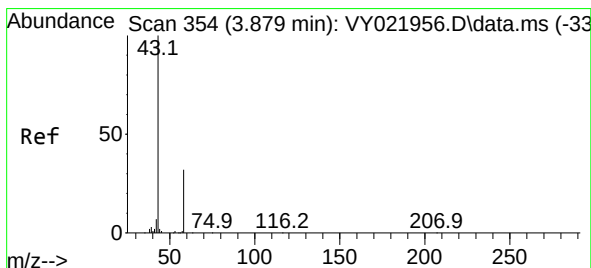
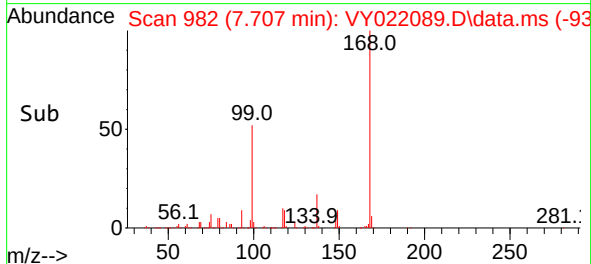
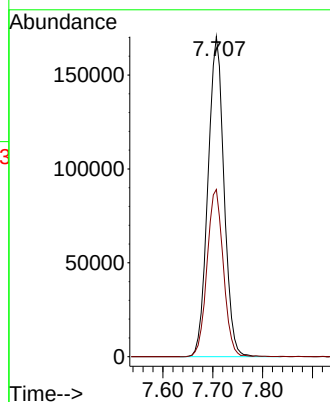
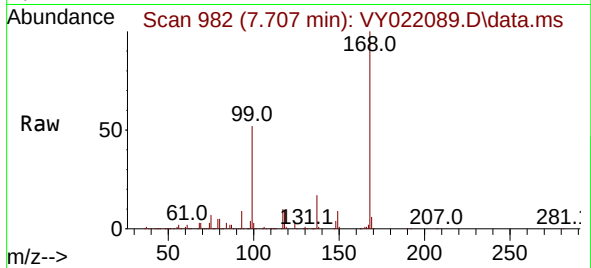




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

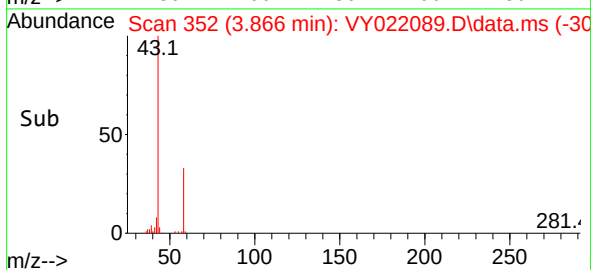
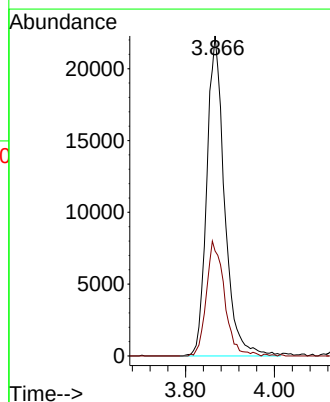
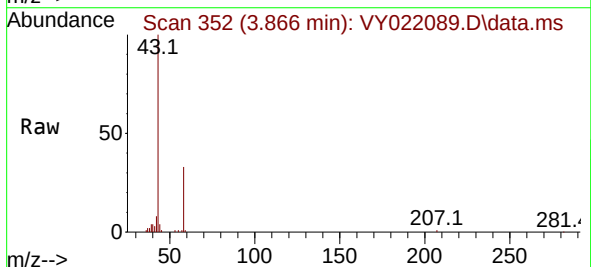
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

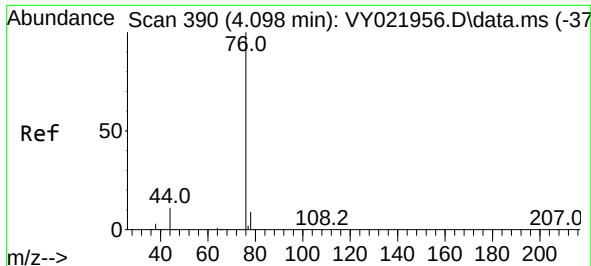
Tgt Ion:168 Resp: 381091
Ion Ratio Lower Upper
168 100
99 52.3 43.1 64.7



#16
Acetone
Concen: 123.893 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 43 Resp: 62048
Ion Ratio Lower Upper
43 100
58 32.8 27.0 40.4

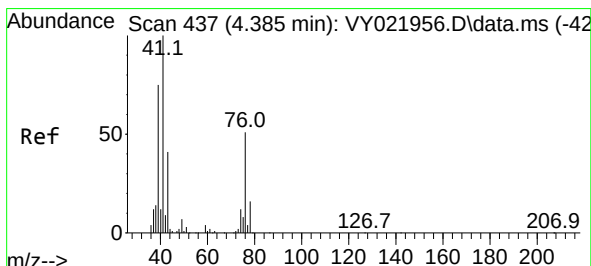
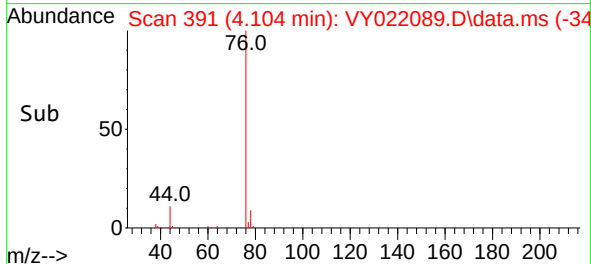
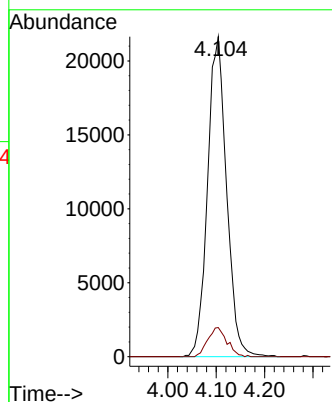
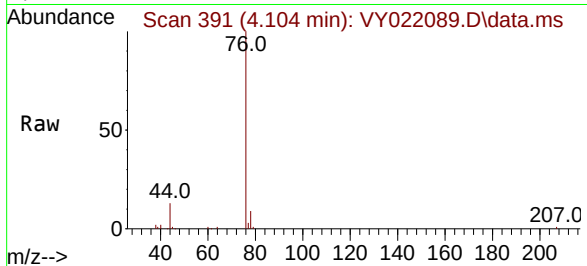




#17
Carbon Disulfide
Concen: 4.894 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

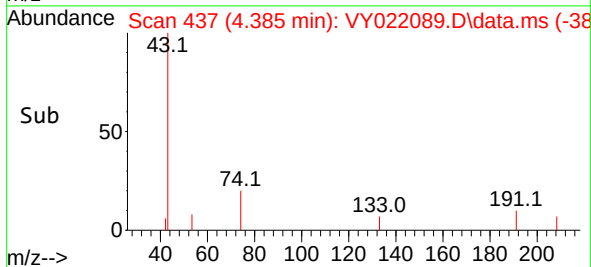
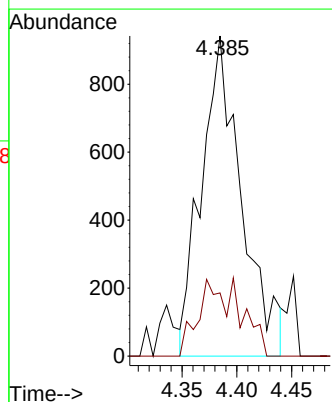
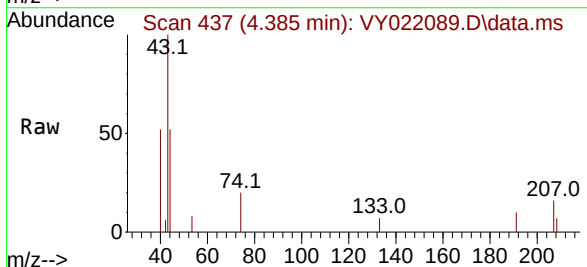
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

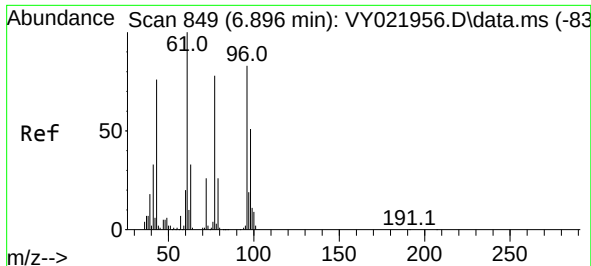
Tgt Ion: 76 Resp: 59112
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4



#18
Methyl Acetate
Concen: 1.458 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 43 Resp: 2398
Ion Ratio Lower Upper
43 100
74 15.2 24.2 36.4#

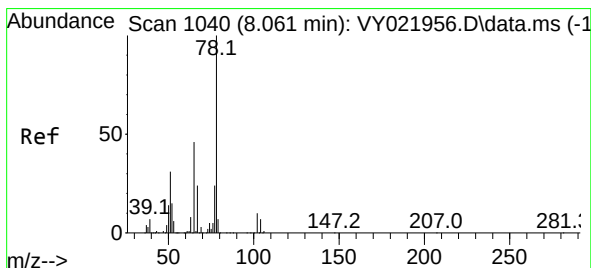
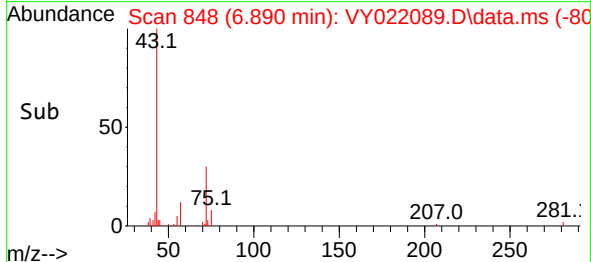
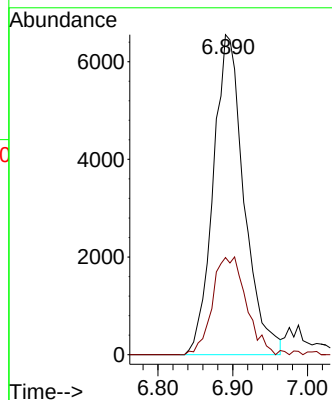
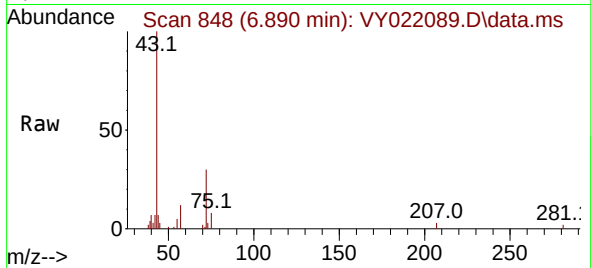




#25
2-Butanone
Concen: 23.439 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

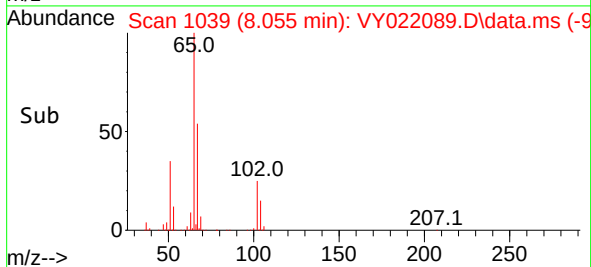
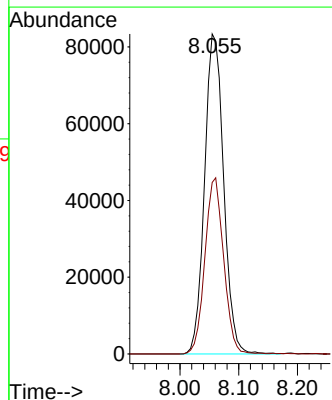
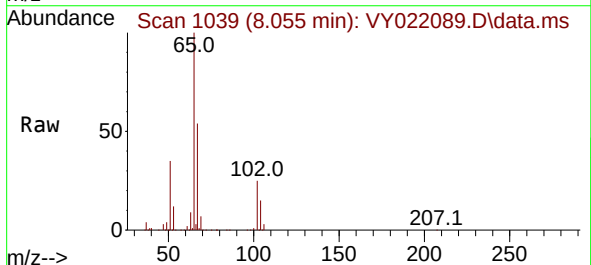
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB02

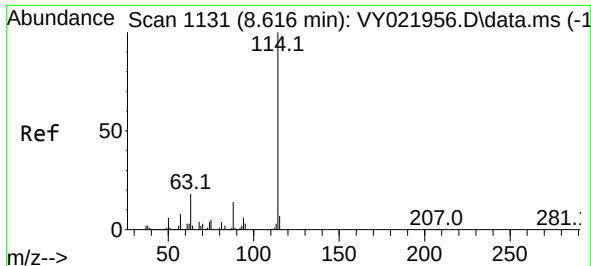
Tgt Ion: 43 Resp: 18807
Ion Ratio Lower Upper
43 100
72 30.3 27.0 40.4



#33
1,2-Dichloroethane-d4
Concen: 53.549 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 65 Resp: 188495
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022089.D

Acq: 30 Apr 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :

B-167-SB02

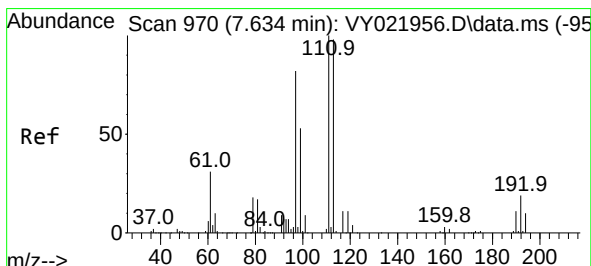
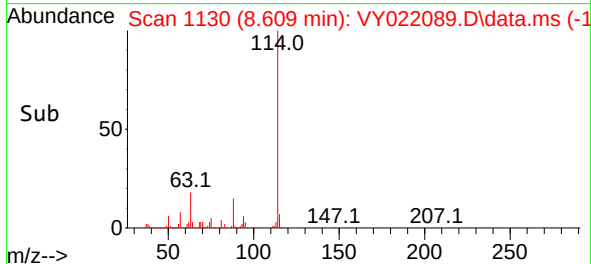
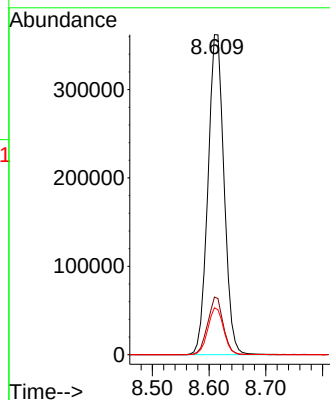
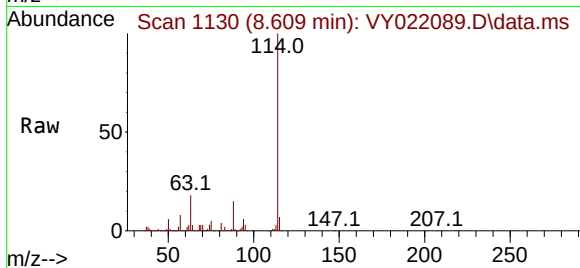
Tgt Ion:114 Resp: 712829

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.4

88 14.7 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.999 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022089.D

Acq: 30 Apr 2025 17:52

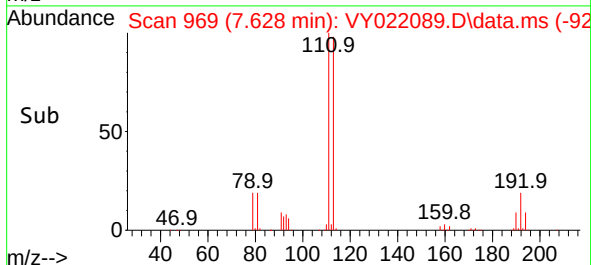
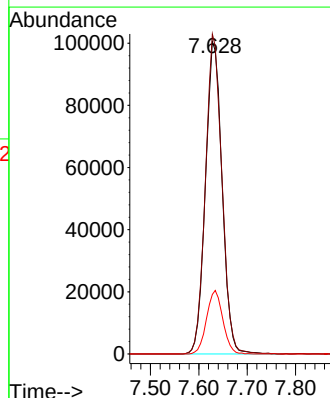
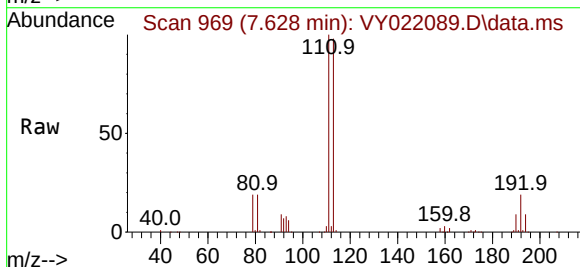
Tgt Ion:113 Resp: 240173

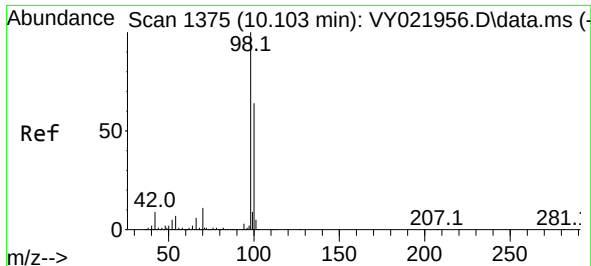
Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

192 19.9 15.6 23.4

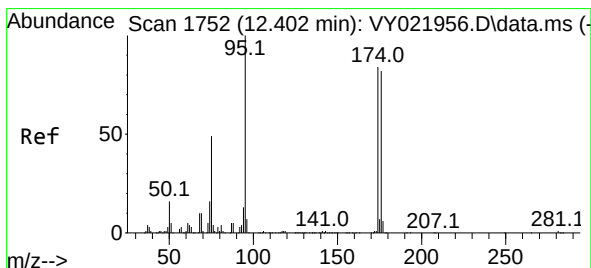
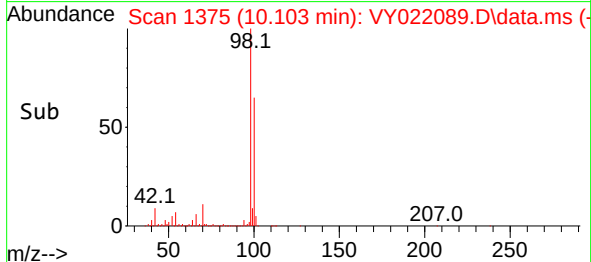
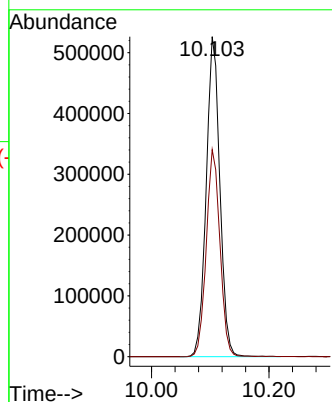
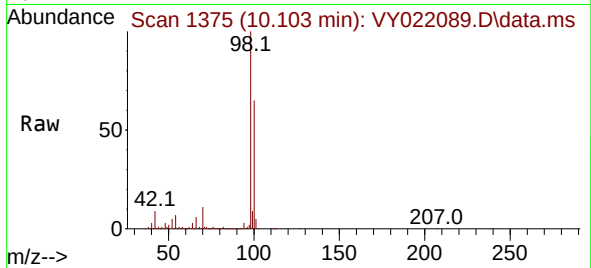




#50
Toluene-d8
Concen: 47.743 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

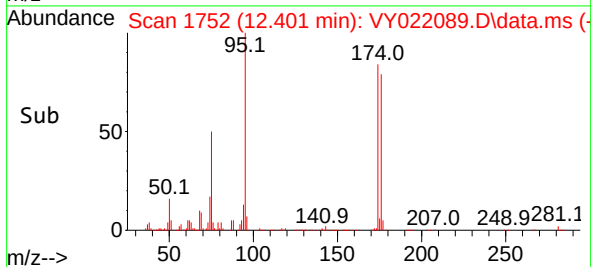
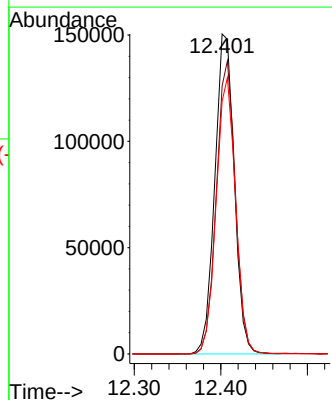
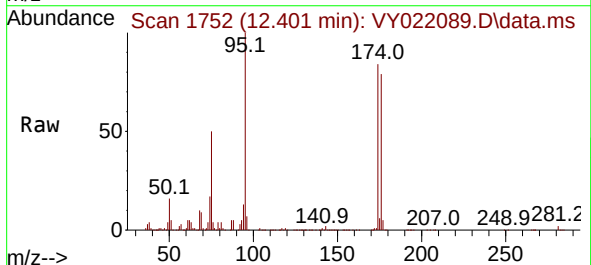
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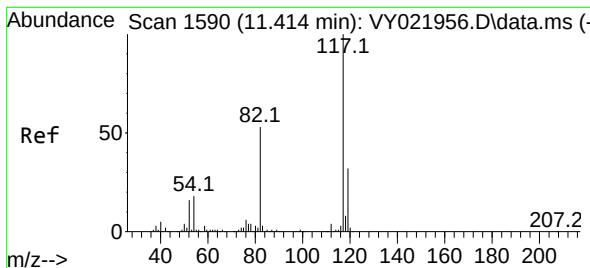
Tgt Ion: 98 Resp: 847633
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 39.347 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022089.D
Acq: 30 Apr 2025 17:52

Tgt Ion: 95 Resp: 235165
Ion Ratio Lower Upper
95 100
174 89.7 0.0 179.0
176 85.7 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.000 min

Lab File: VY022089.D

Acq: 30 Apr 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :

B-167-SB02

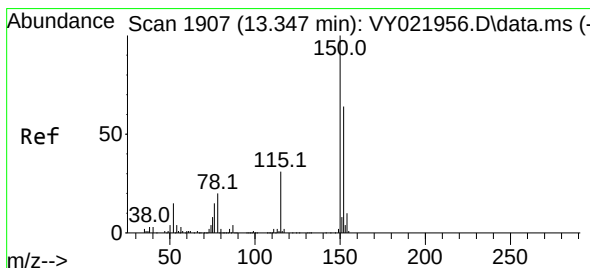
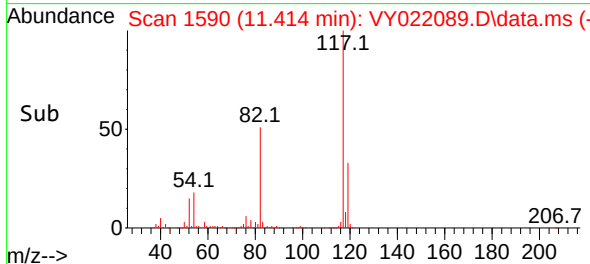
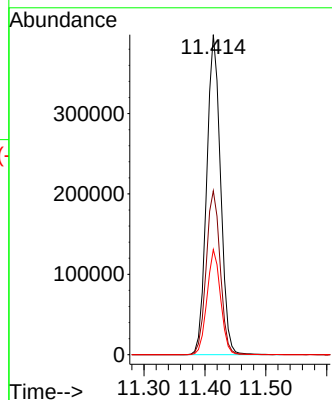
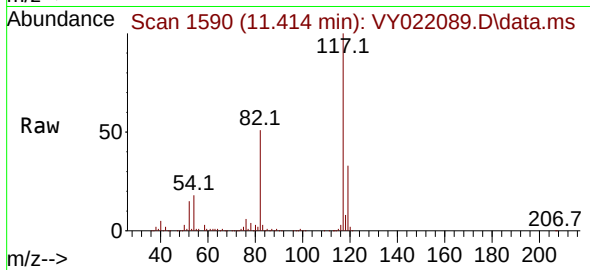
Tgt Ion:117 Resp: 629182

Ion Ratio Lower Upper

117 100

82 51.2 42.1 63.1

119 32.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022089.D

Acq: 30 Apr 2025 17:52

Tgt Ion:152 Resp: 233488

Ion Ratio Lower Upper

152 100

115 55.7 28.0 84.0

150 154.3 0.0 345.6

