

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
 Data File : VY023490.D
 Acq On : 16 Oct 2025 14:37
 Operator : SY/MD
 Sample : Q3363-05
 Misc : 4.77g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP01-20251015

Quant Time: Oct 17 01:57:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

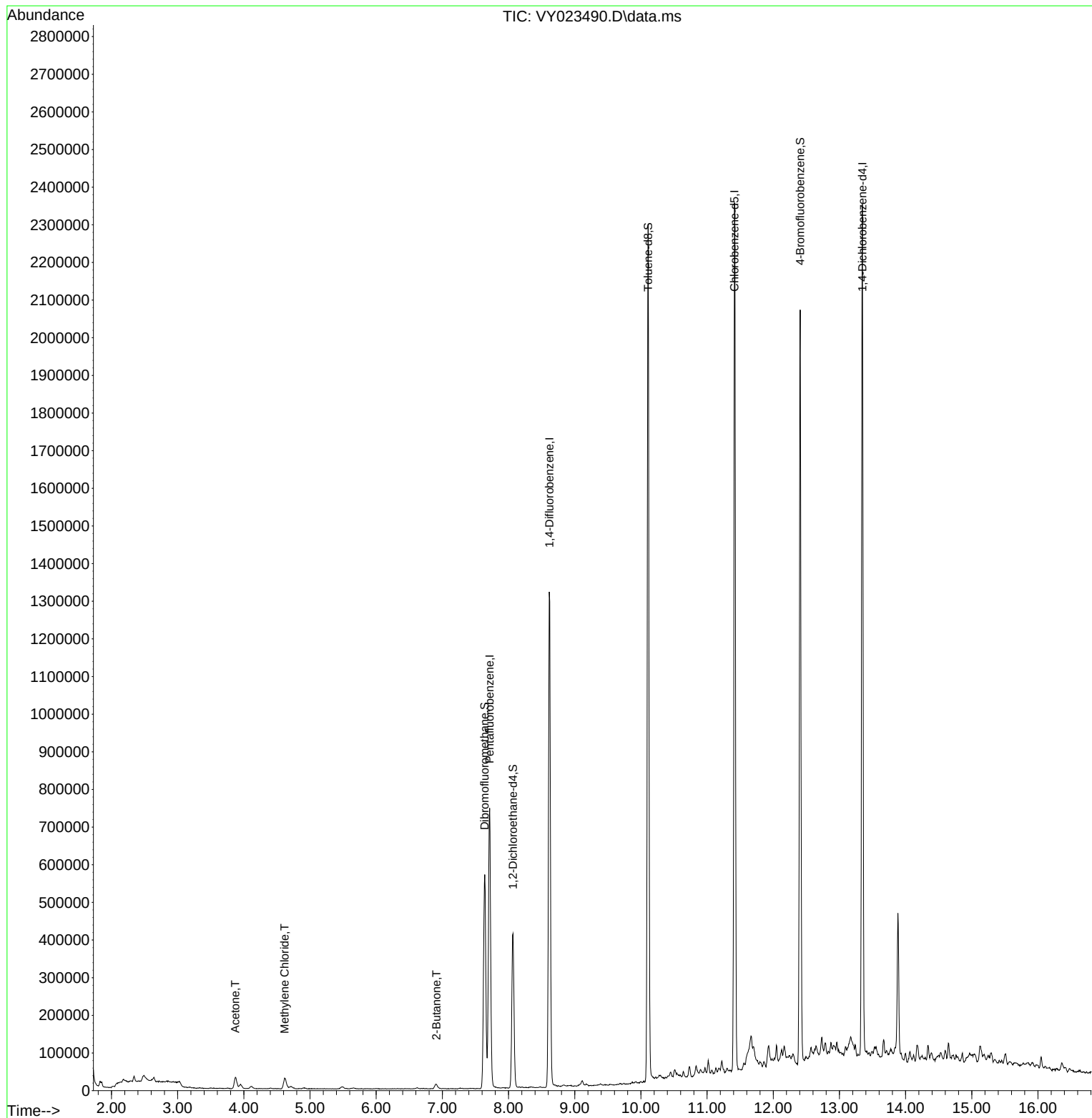
Internal Standards						
1) Pentafluorobenzene	7.713	168	637792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1237982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1350808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	619740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	326626	61.243	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.480%	
35) Dibromofluoromethane	7.640	113	412459	54.222	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.440%	
50) Toluene-d8	10.109	98	1527244	53.912	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.820%	
62) 4-Bromofluorobenzene	12.408	95	581108	62.133	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 124.260%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	53397	42.055	ug/l	90
20) Methylene Chloride	4.616	84	23000	3.350	ug/l	93
25) 2-Butanone	6.909	43	18923	12.208	ug/l	95

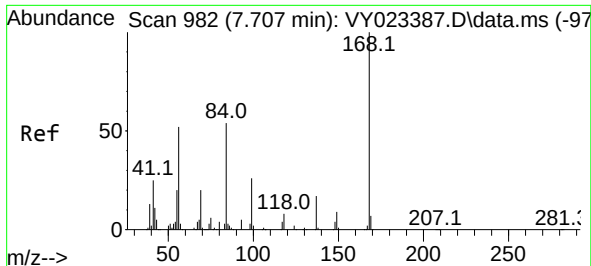
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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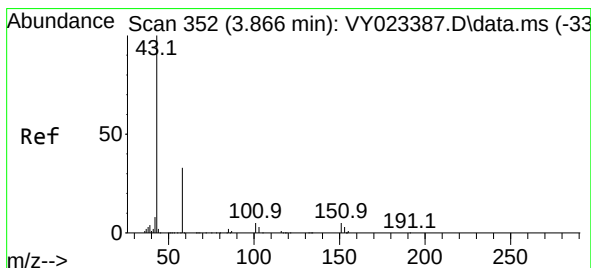
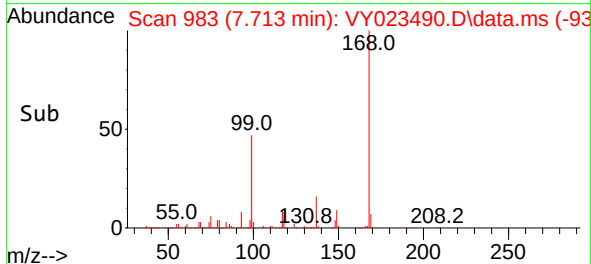
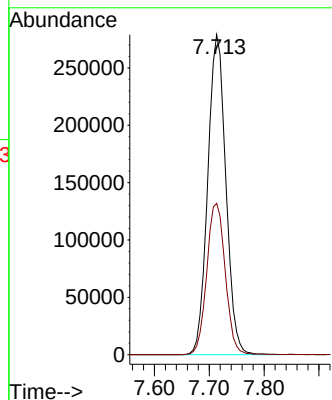
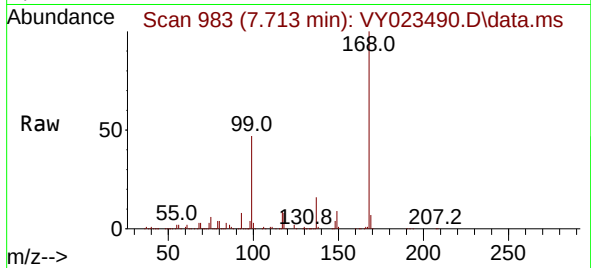




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023490.D
Acq: 16 Oct 2025 14:37

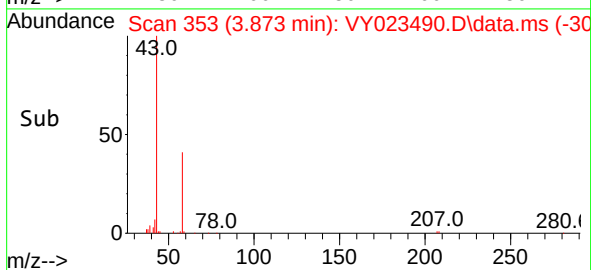
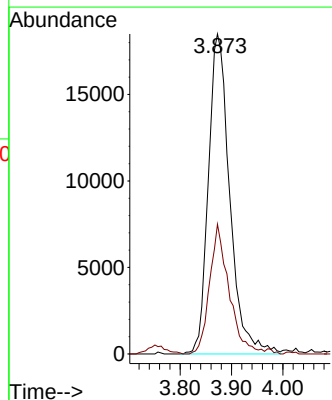
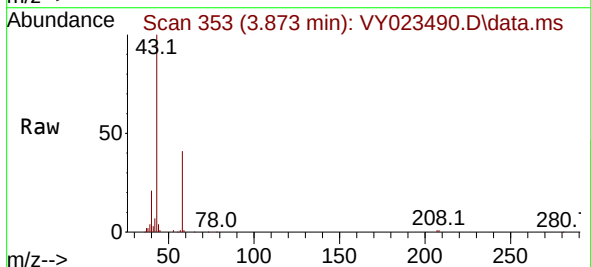
Instrument :
MSVOA_Y
ClientSampleId :
COMP01-20251015

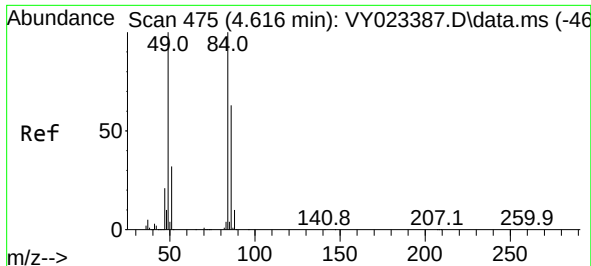
Tgt Ion:168 Resp: 637792
Ion Ratio Lower Upper
168 100
99 47.3 39.7 59.5



#16
Acetone
Concen: 42.055 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023490.D
Acq: 16 Oct 2025 14:37

Tgt Ion: 43 Resp: 53397
Ion Ratio Lower Upper
43 100
58 40.5 27.7 41.5

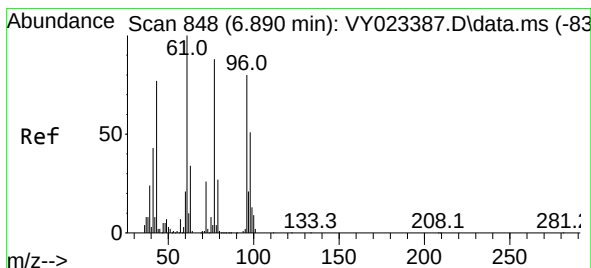
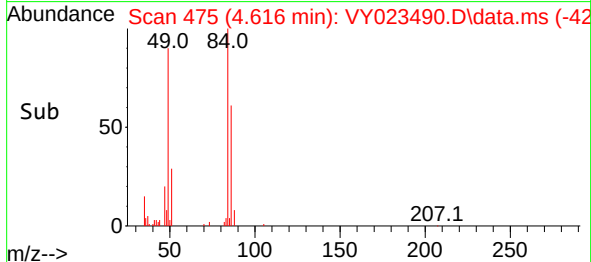
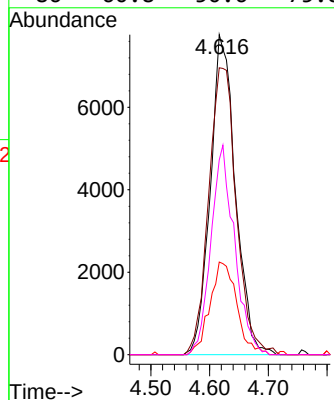
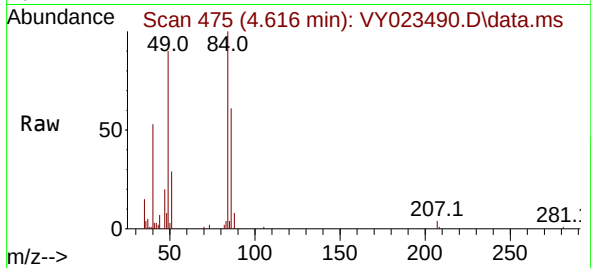




#20
Methylene Chloride
Concen: 3.350 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023490.D
Acq: 16 Oct 2025 14:37

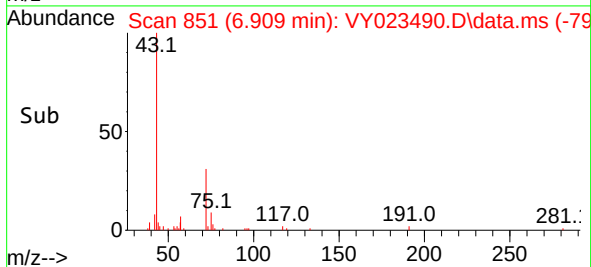
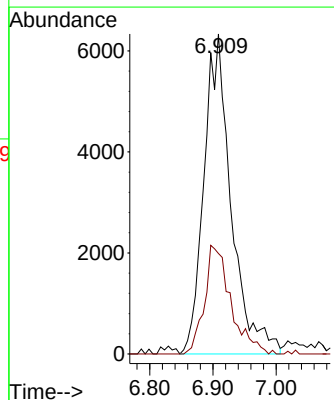
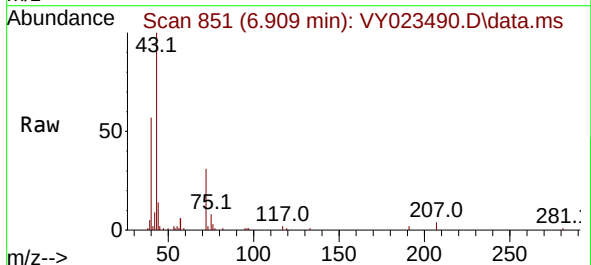
Instrument :
MSVOA_Y
ClientSampleId :
COMP01-20251015

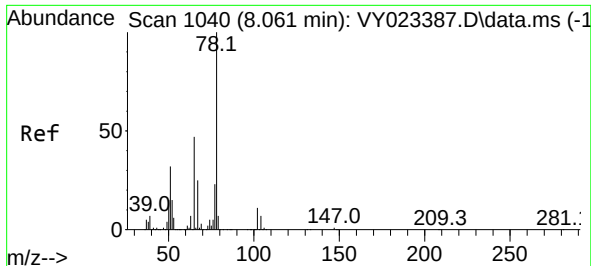
Tgt Ion:	84	Resp:	23000
Ion	Ratio	Lower	Upper
84	100		
49	89.6	80.2	120.4
51	29.0	25.9	38.9
86	60.8	50.6	75.8



#25
2-Butanone
Concen: 12.208 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023490.D
Acq: 16 Oct 2025 14:37

Tgt Ion:	43	Resp:	18923
Ion	Ratio	Lower	Upper
43	100		
72	31.4	27.4	41.2





#33

1,2-Dichloroethane-d4

Concen: 61.243 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023490.D

Acq: 16 Oct 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

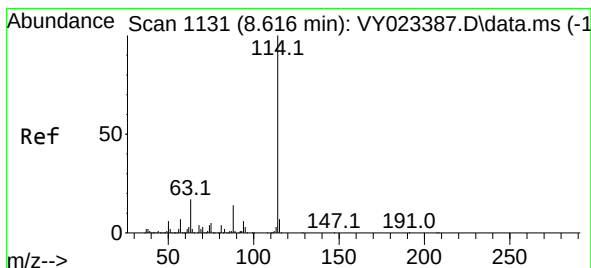
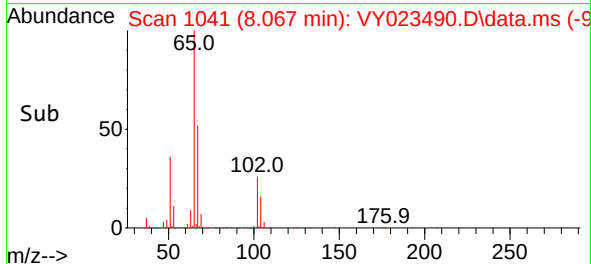
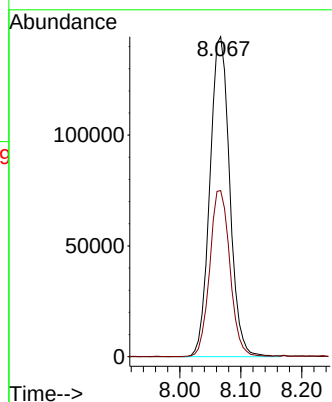
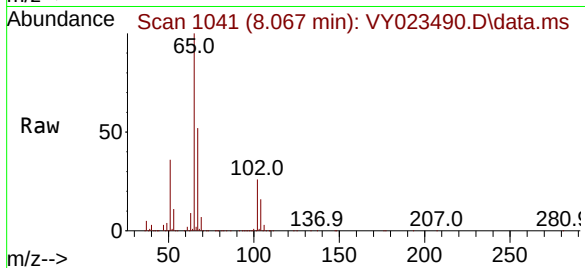
COMP01-20251015

Tgt Ion: 65 Resp: 326626

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023490.D

Acq: 16 Oct 2025 14:37

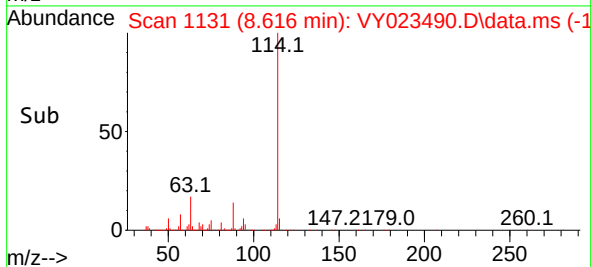
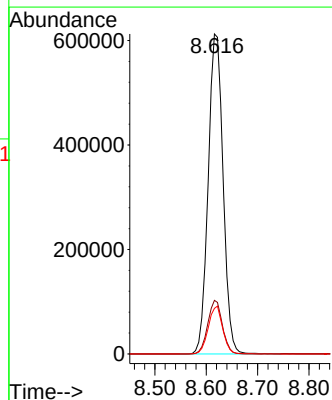
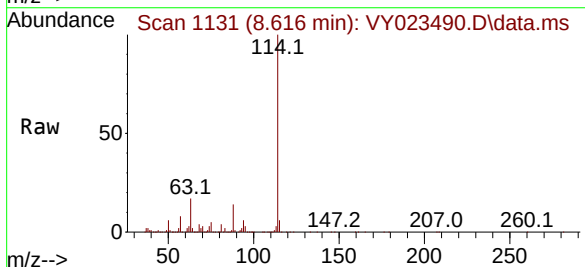
Tgt Ion: 114 Resp: 1237982

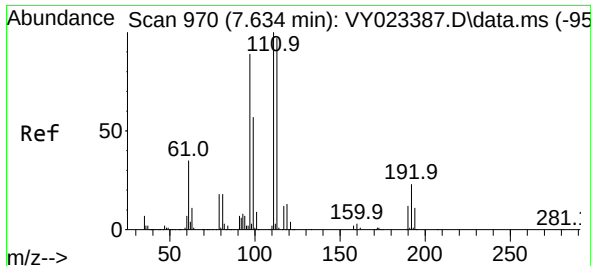
Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

88 14.3 0.0 28.4

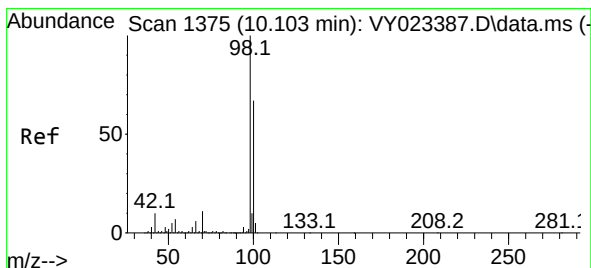
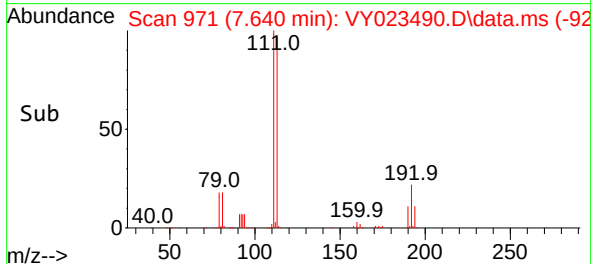
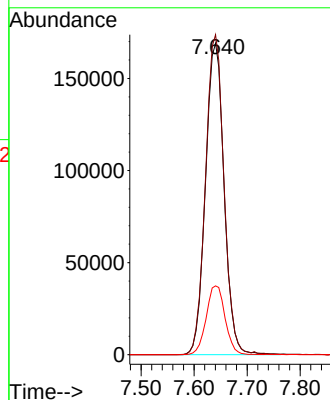
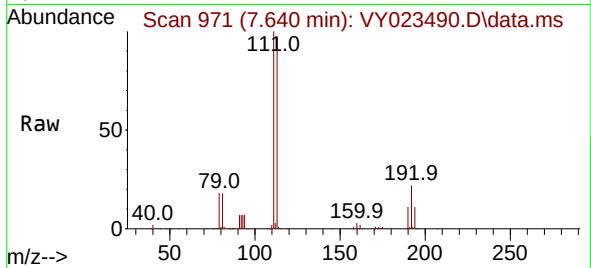




#35
Dibromofluoromethane
Concen: 54.222 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023490.D
Acq: 16 Oct 2025 14:37

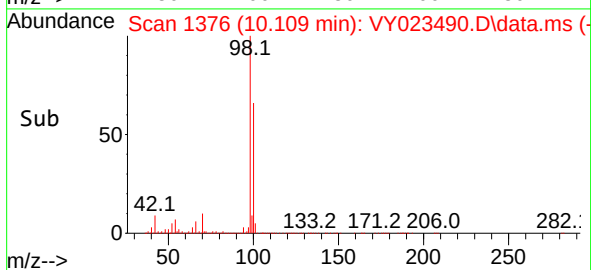
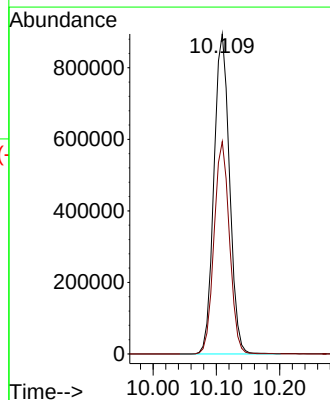
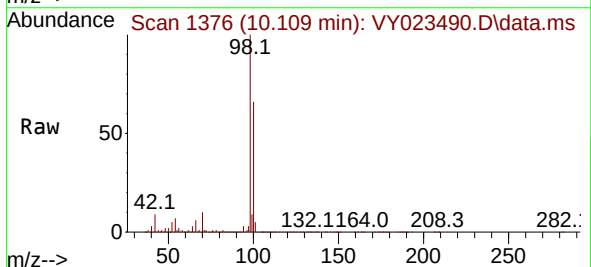
Instrument :
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ClientSampleId :
COMP01-20251015

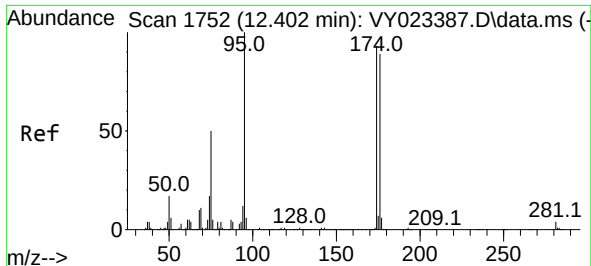
Tgt Ion:113 Resp: 412459
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 22.4 18.0 27.0



#50
Toluene-d8
Concen: 53.912 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023490.D
Acq: 16 Oct 2025 14:37

Tgt Ion: 98 Resp: 1527244
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4

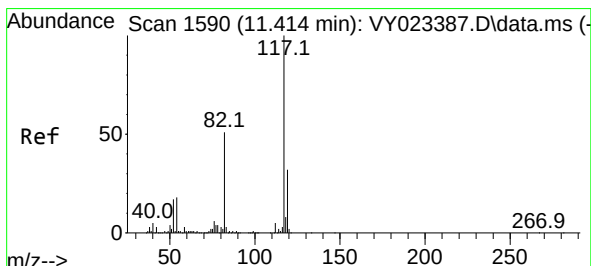
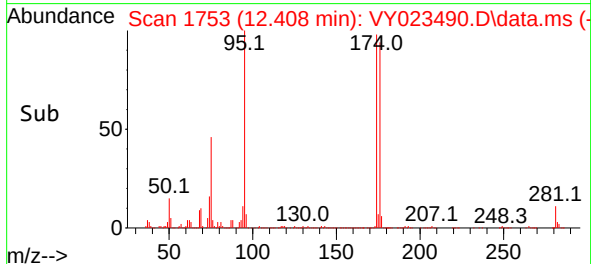
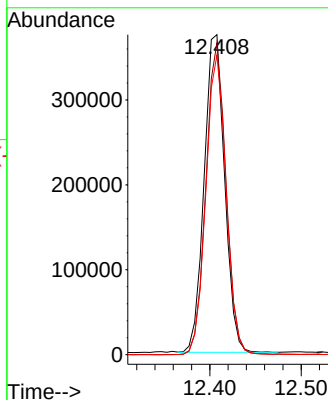
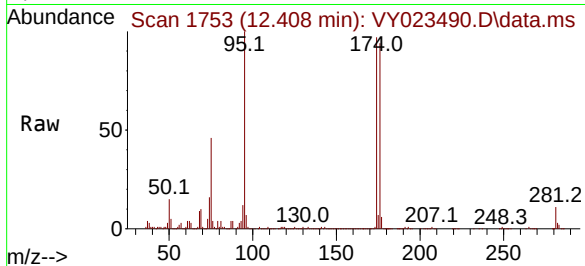




#62
4-Bromofluorobenzene
Concen: 62.133 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023490.D
Acq: 16 Oct 2025 14:37

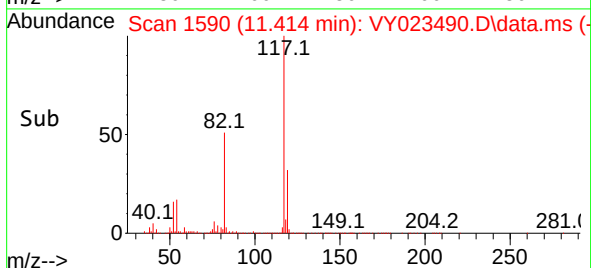
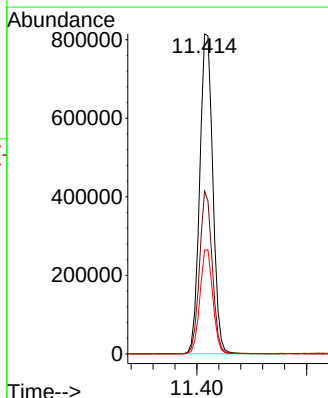
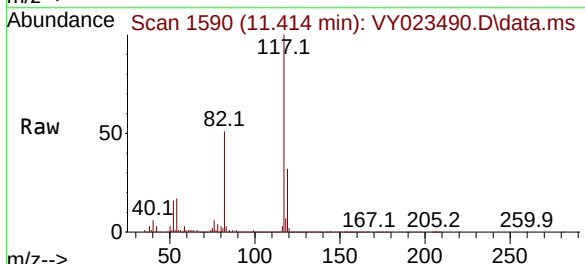
Instrument :
MSVOA_Y
ClientSampleId :
COMP01-20251015

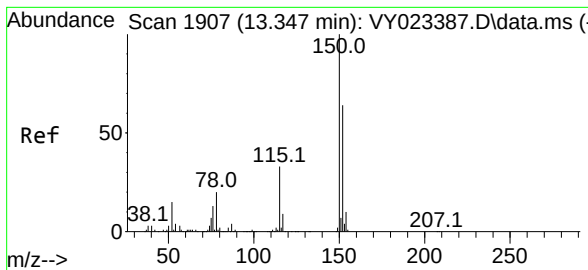
Tgt Ion: 95 Resp: 581108
Ion Ratio Lower Upper
95 100
174 96.5 0.0 192.8
176 93.2 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023490.D
Acq: 16 Oct 2025 14:37

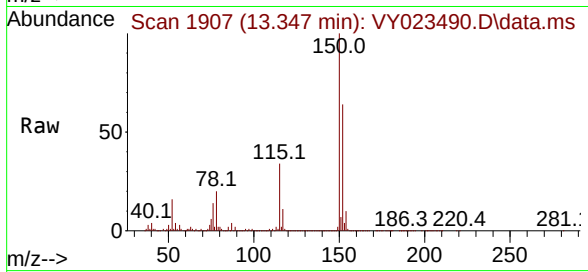
Tgt Ion: 117 Resp: 1350808
Ion Ratio Lower Upper
117 100
82 50.8 41.0 61.4
119 32.4 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023490.D
 Acq: 16 Oct 2025 14:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP01-20251015



Tgt Ion:152 Resp: 619740
 Ion Ratio Lower Upper
 152 100
 115 54.4 27.1 81.2
 150 156.6 0.0 347.4

