

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
 Data File : VY023556.D
 Acq On : 22 Oct 2025 17:10
 Operator : SY/MD
 Sample : Q3424-02
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-S11-010080-20251021

Quant Time: Oct 24 02:37:33 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)

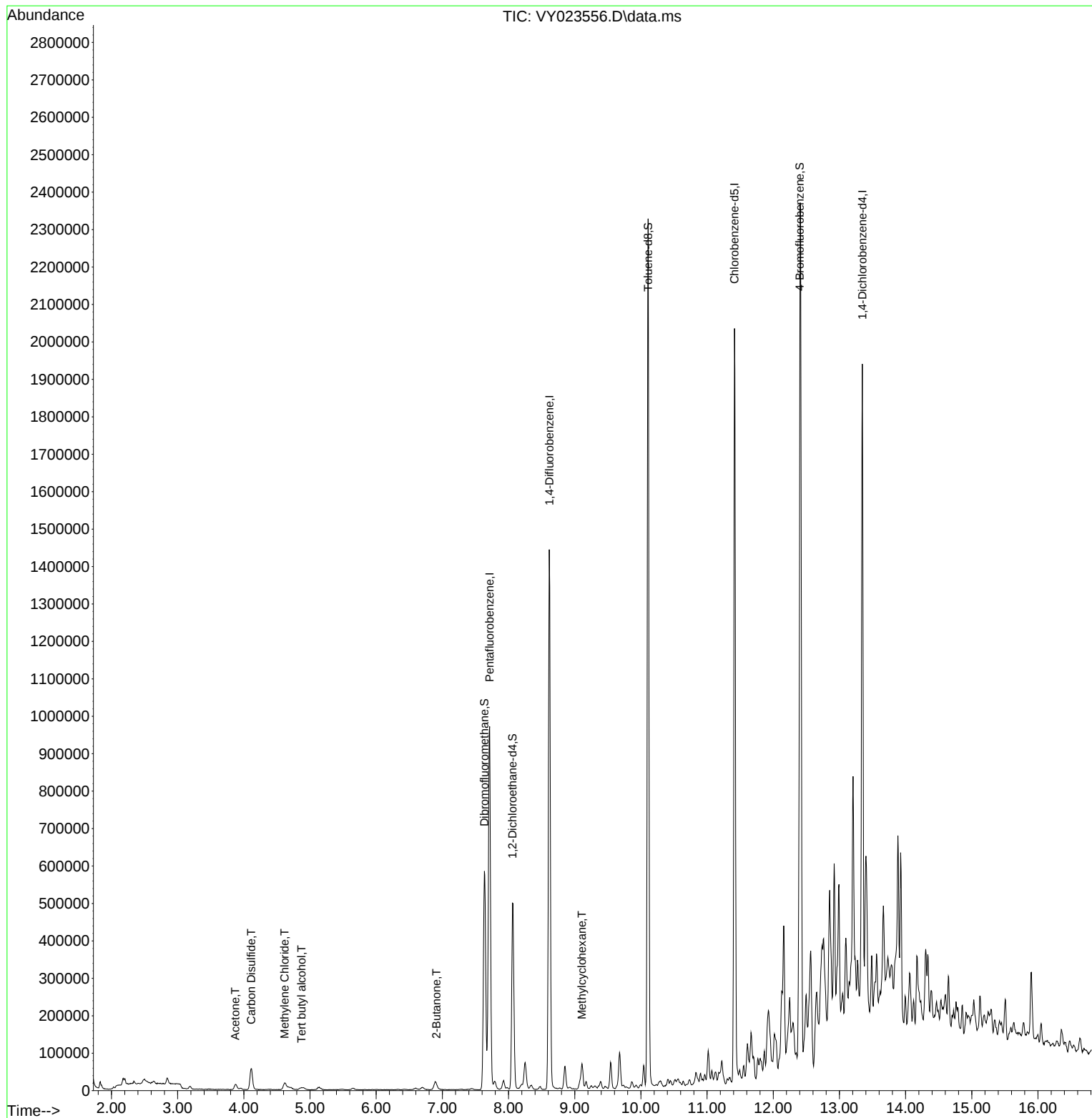
Internal Standards						
1) Pentafluorobenzene	7.713	168	807599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1343623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1154123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	478051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	391601	57.987	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.980%	
35) Dibromofluoromethane	7.634	113	423023	51.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.480%	
50) Toluene-d8	10.109	98	1528592	49.717	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.440%	
62) 4-Bromofluorobenzene	12.401	95	480302	47.317	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	9939	19.783	ug/l	96
16) Acetone	3.872	43	23931	14.885	ug/l #	88
17) Carbon Disulfide	4.110	76	119319	5.787	ug/l	99
20) Methylene Chloride	4.616	84	13216	1.520	ug/l	95
25) 2-Butanone	6.908	43	8536	4.349	ug/l	95
39) Methylcyclohexane	9.109	83	20603	1.448	ug/l #	67

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

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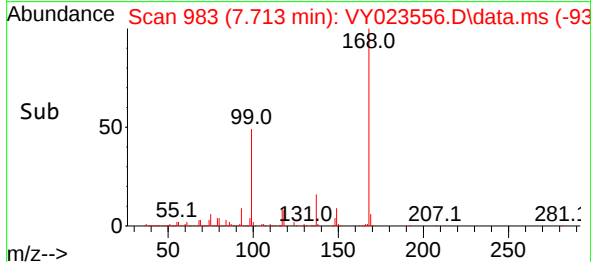
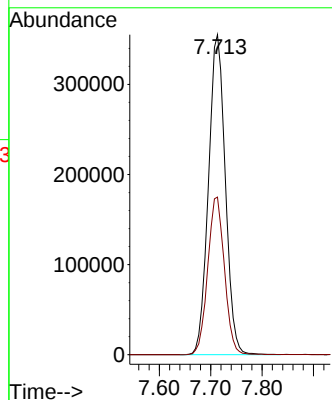
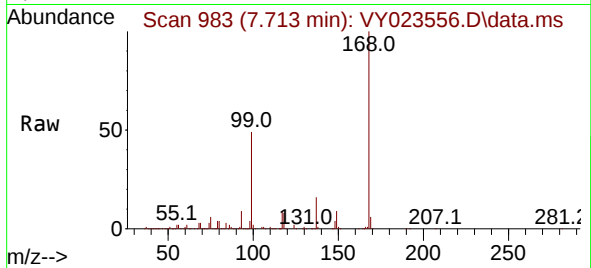




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

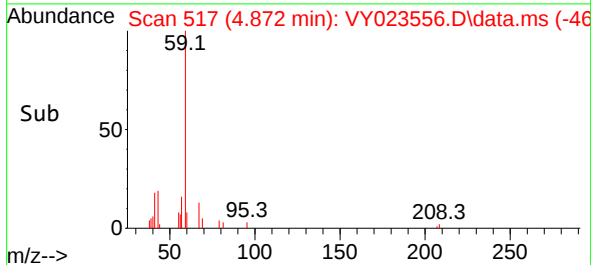
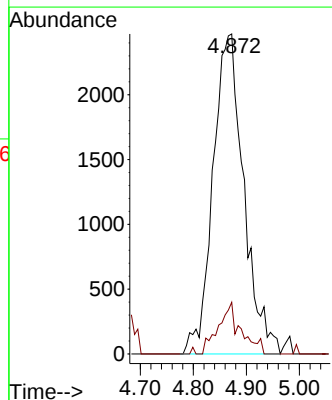
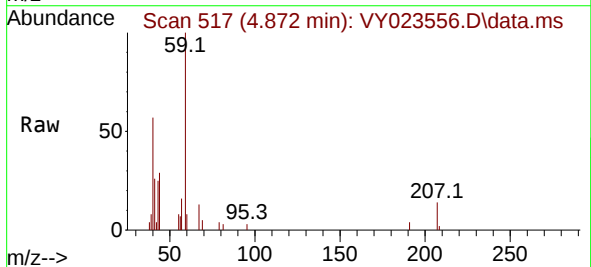
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

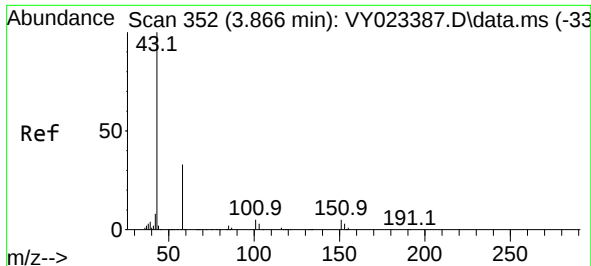
Tgt Ion:168 Resp: 807599
Ion Ratio Lower Upper
168 100
99 49.2 39.7 59.5



#11
Tert butyl alcohol
Concen: 19.783 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 59 Resp: 9939
Ion Ratio Lower Upper
59 100
57 11.8 8.3 12.5

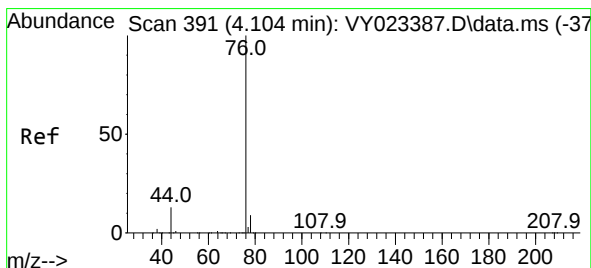
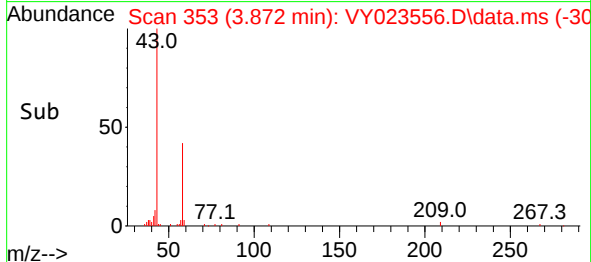
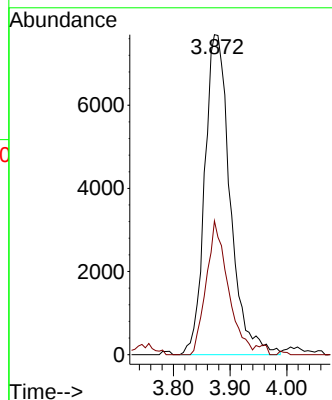
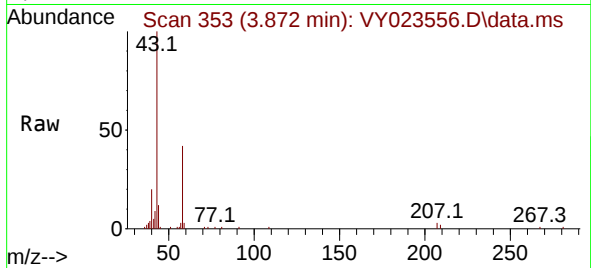




#16
Acetone
Concen: 14.885 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

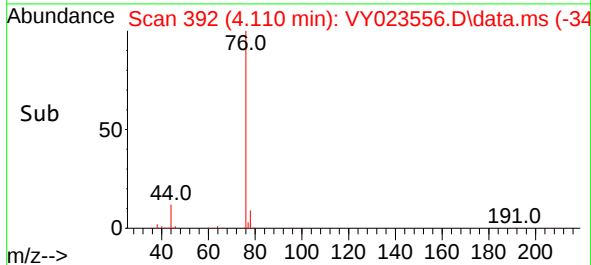
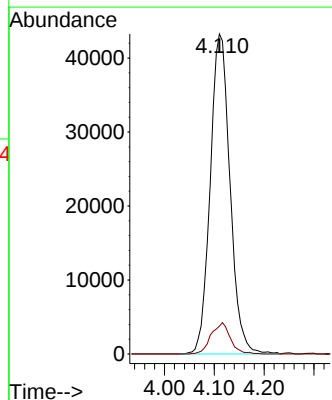
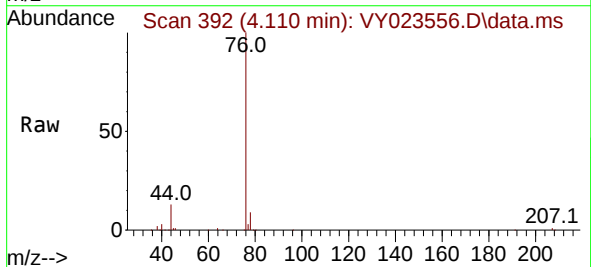
Instrument :
MSVOA_Y
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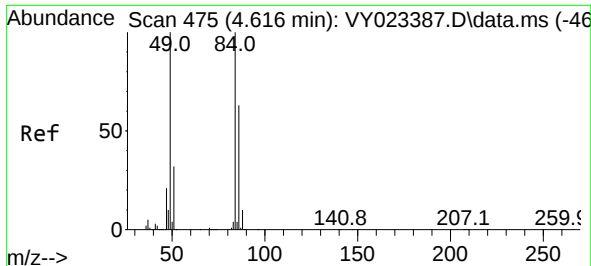
Tgt Ion: 43 Resp: 23931
Ion Ratio Lower Upper
43 100
58 41.8 27.7 41.5#



#17
Carbon Disulfide
Concen: 5.787 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 76 Resp: 119319
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9

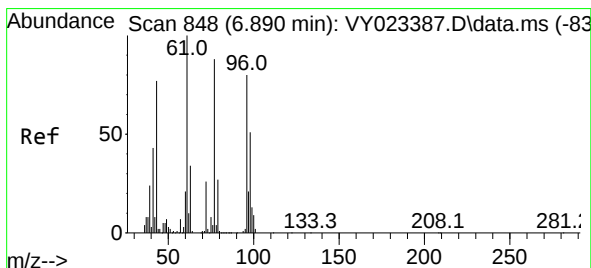
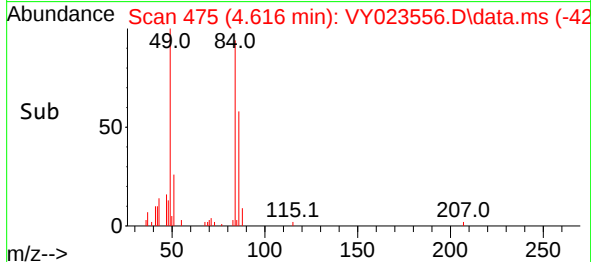
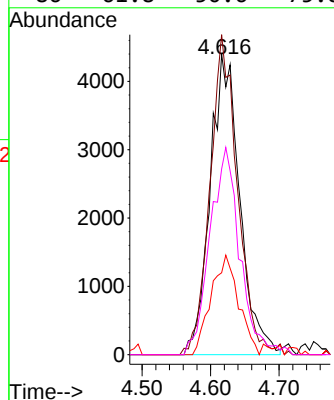
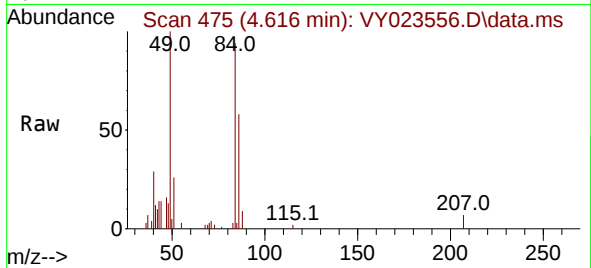




#20
Methylene Chloride
Concen: 1.520 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

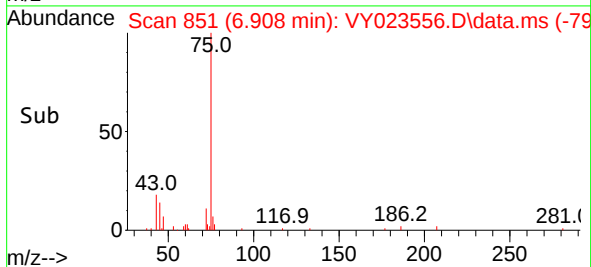
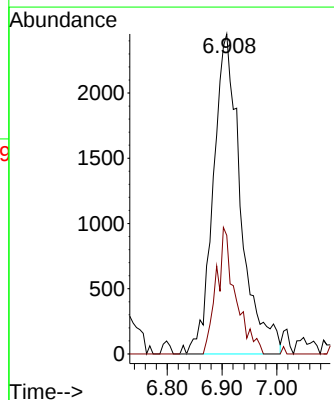
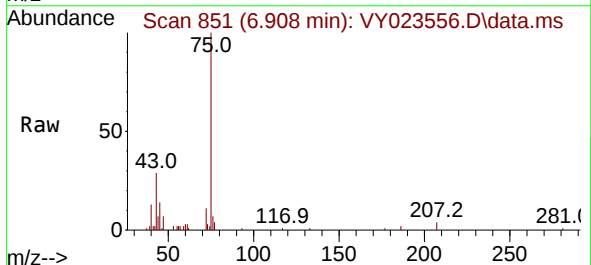
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

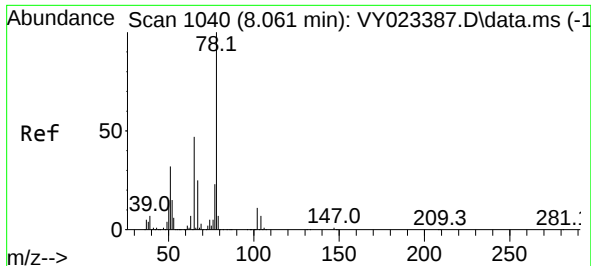
Tgt Ion:	84	Resp:	13216
Ion	Ratio	Lower	Upper
84	100		
49	106.5	80.2	120.4
51	27.2	25.9	38.9
86	61.8	50.6	75.8



#25
2-Butanone
Concen: 4.349 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion:	43	Resp:	8536
Ion	Ratio	Lower	Upper
43	100		
72	37.1	27.4	41.2





#33

1,2-Dichloroethane-d4

Concen: 57.987 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY023556.D

Acq: 22 Oct 2025 17:10

Instrument :

MSVOA_Y

ClientSampleId :

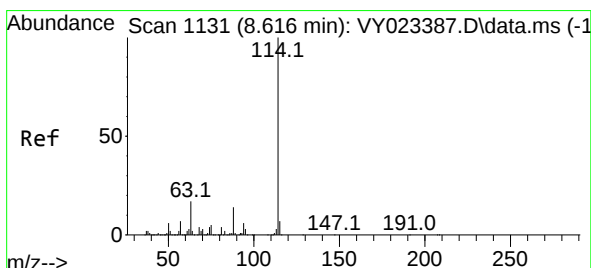
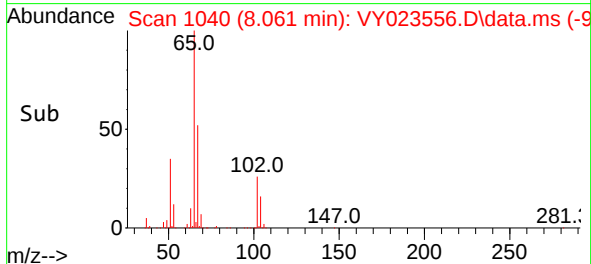
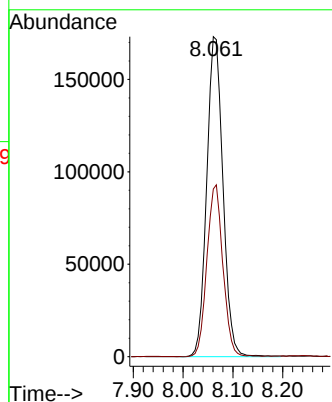
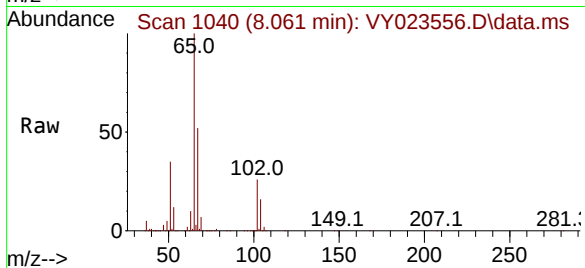
PR132-S11-010080-20251021

Tgt Ion: 65 Resp: 391601

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023556.D

Acq: 22 Oct 2025 17:10

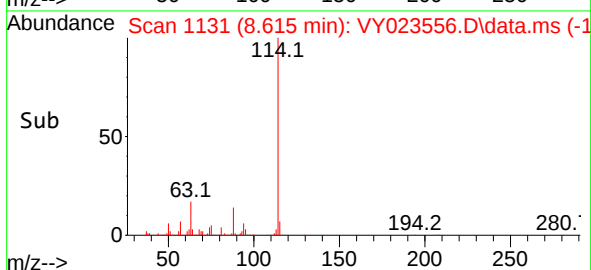
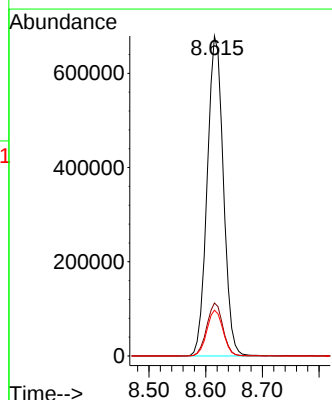
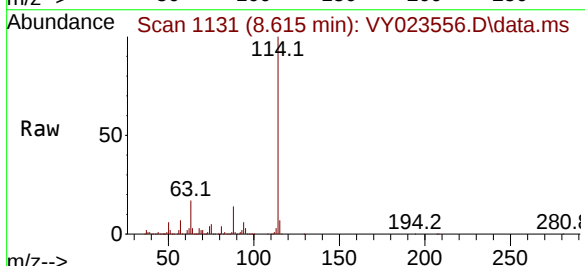
Tgt Ion:114 Resp: 1343623

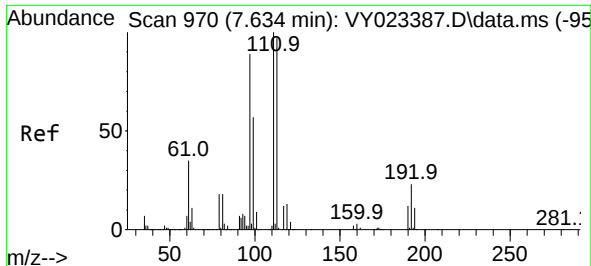
Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.2

88 14.3 0.0 28.4

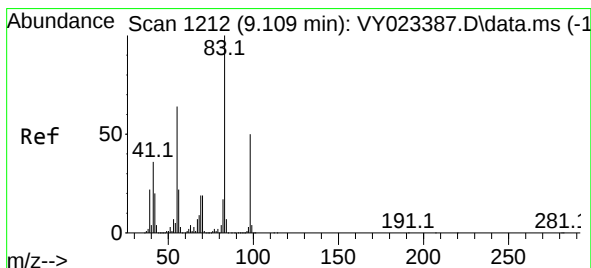
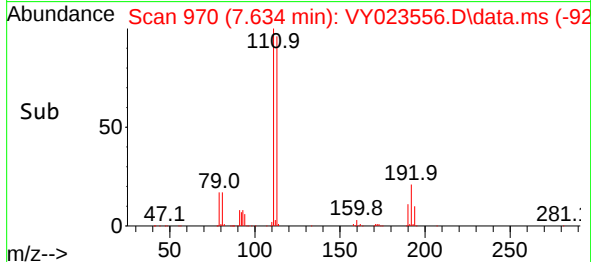
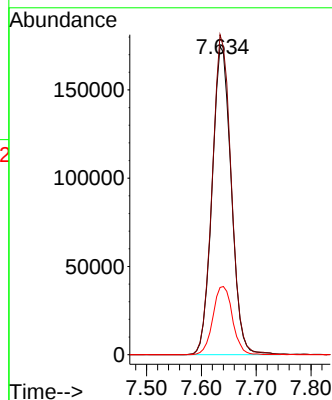
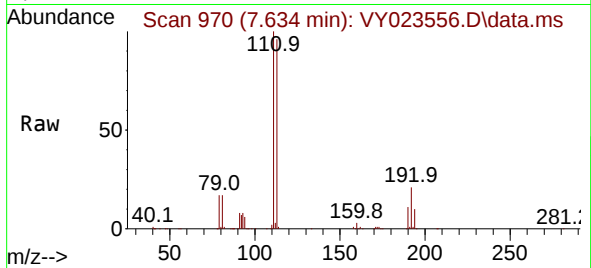




#35
Dibromofluoromethane
Concen: 51.239 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

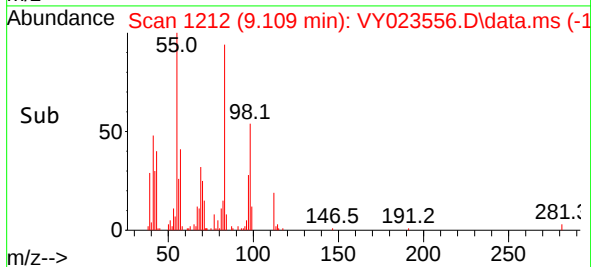
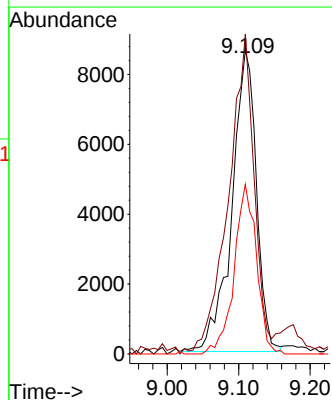
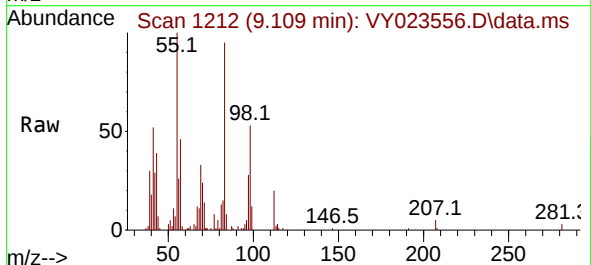
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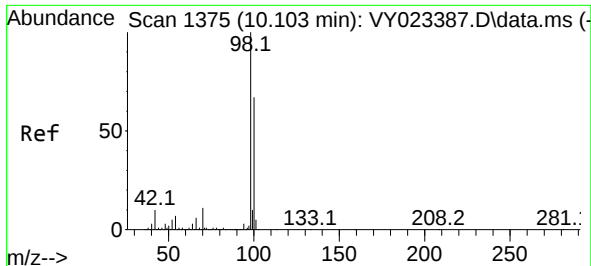
Tgt Ion:113 Resp: 423023
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 22.6 18.0 27.0



#39
Methylcyclohexane
Concen: 1.448 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 83 Resp: 20603
Ion Ratio Lower Upper
83 100
55 106.3 51.4 77.2#
98 55.6 40.4 60.6

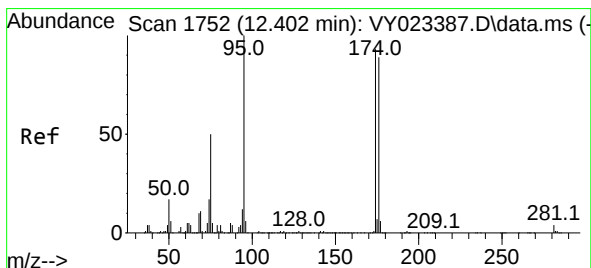
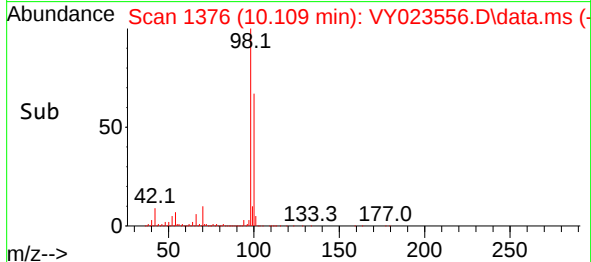
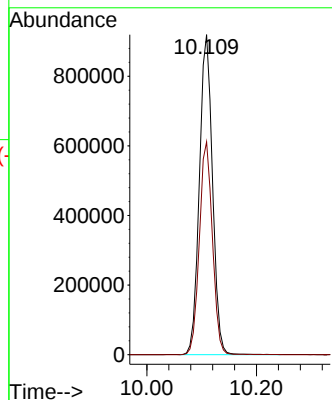
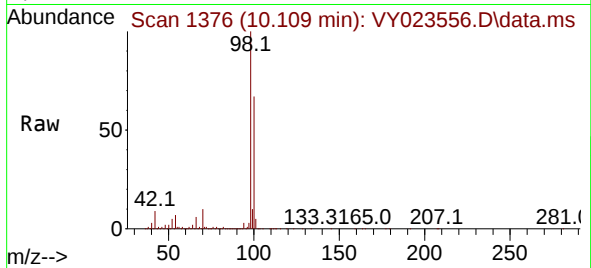




#50
Toluene-d8
Concen: 49.717 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

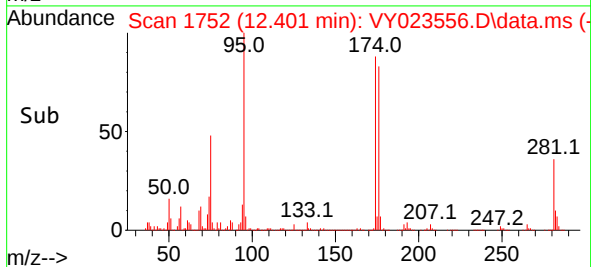
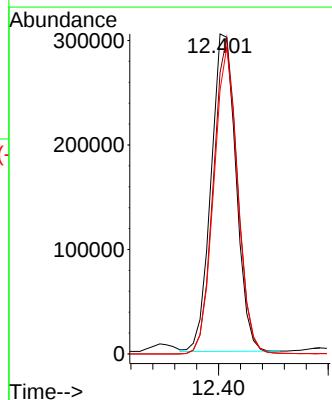
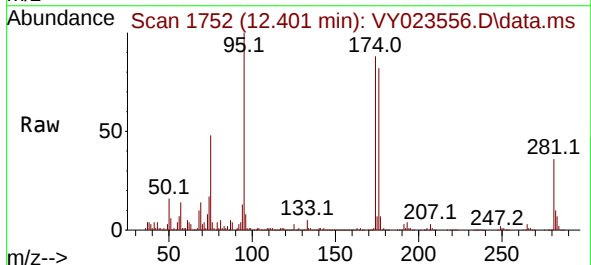
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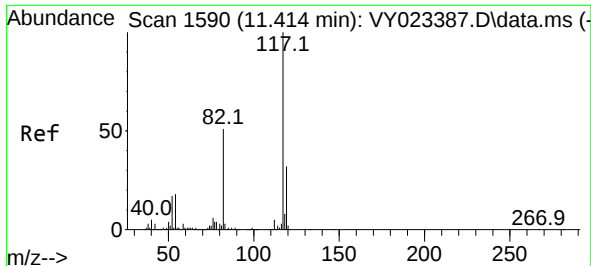
Tgt Ion: 98 Resp: 1528592
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 47.317 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion: 95 Resp: 480302
Ion Ratio Lower Upper
95 100
174 96.3 0.0 192.8
176 92.8 0.0 187.6

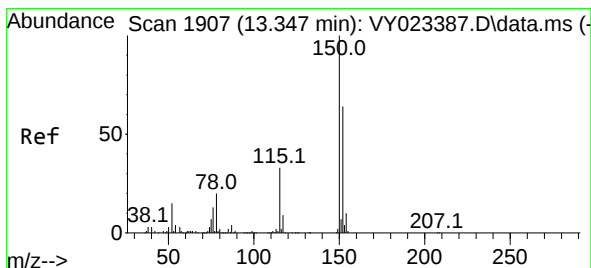
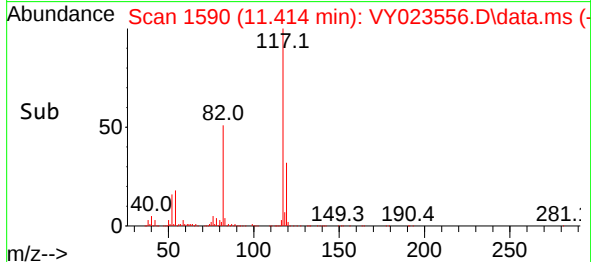
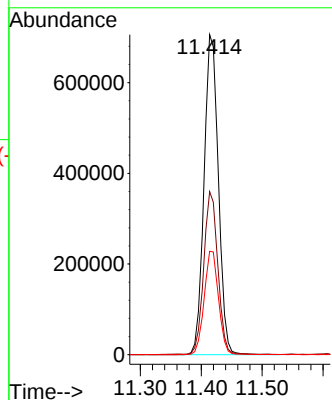
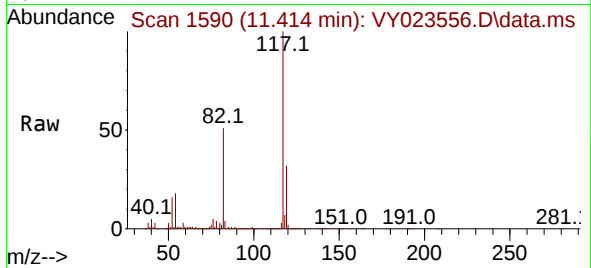




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S11-010080-20251021

Tgt Ion:117 Resp: 1154123
Ion Ratio Lower Upper
117 100
82 50.9 41.0 61.4
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023556.D
Acq: 22 Oct 2025 17:10

Tgt Ion:152 Resp: 478051
Ion Ratio Lower Upper
152 100
115 53.4 27.1 81.2
150 155.7 0.0 347.4

