

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
 Data File : VY023554.D
 Acq On : 22 Oct 2025 16:22
 Operator : SY/MD
 Sample : Q3422-01
 Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-S15-000008-20251021

Quant Time: Oct 24 02:36:48 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)

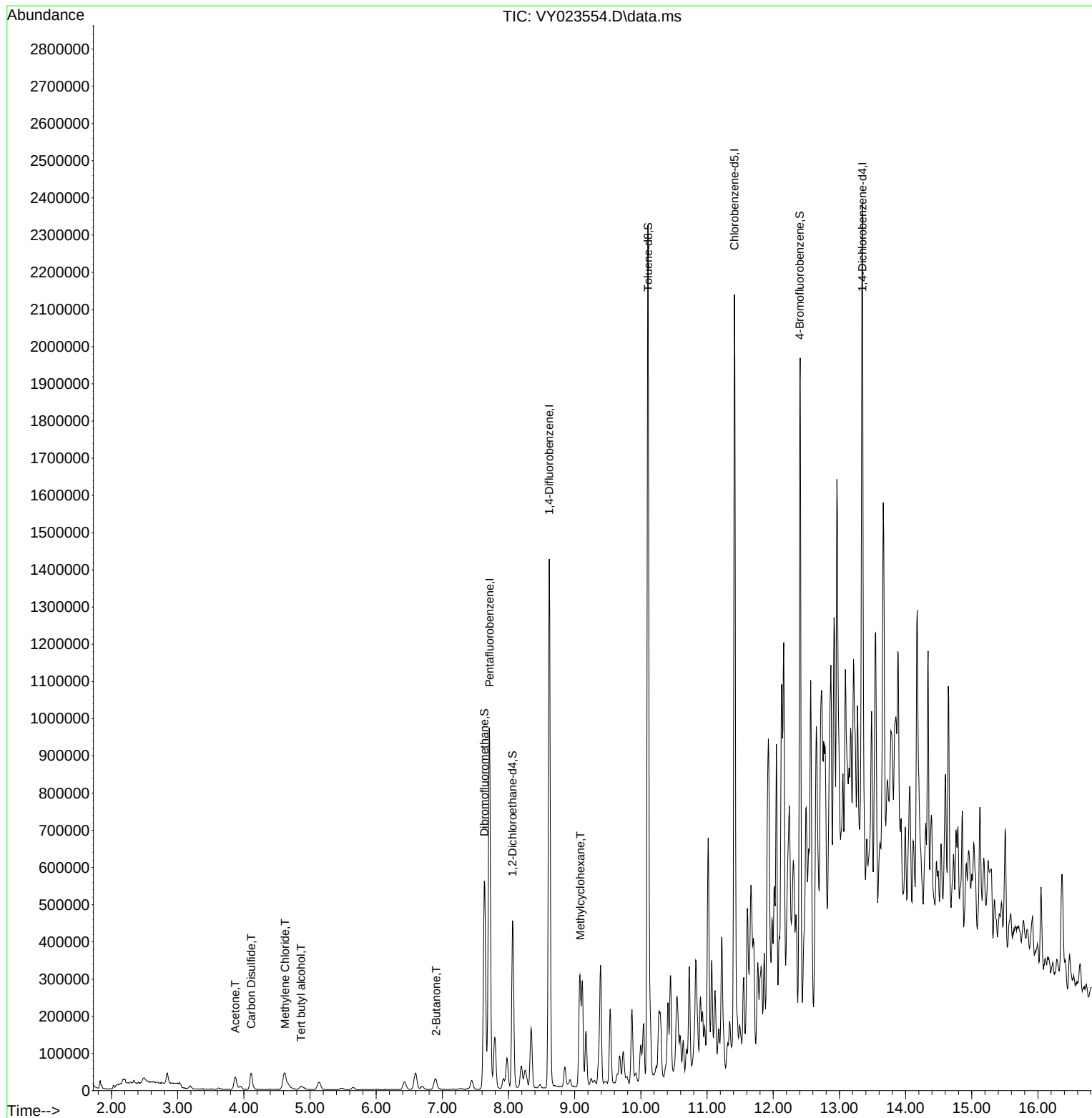
Internal Standards						
1) Pentafluorobenzene	7.713	168	828002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1318131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1124309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	514846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	347588	50.201	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.400%	
35) Dibromofluoromethane	7.634	113	403047	49.763	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.520%	
50) Toluene-d8	10.109	98	1501805	49.790	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.580%	
62) 4-Bromofluorobenzene	12.401	95	481218	48.324	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	16683	32.388	ug/l	97
16) Acetone	3.872	43	55038	33.390	ug/l	97
17) Carbon Disulfide	4.110	76	89341	4.226	ug/l	99
20) Methylene Chloride	4.622	84	25987	2.916	ug/l	98
25) 2-Butanone	6.908	43	17633	8.762	ug/l	88
39) Methylcyclohexane	9.085	83	103880	7.441	ug/l #	43

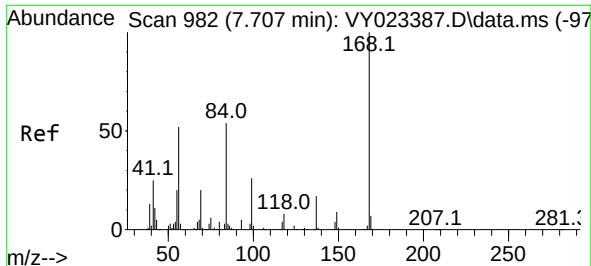
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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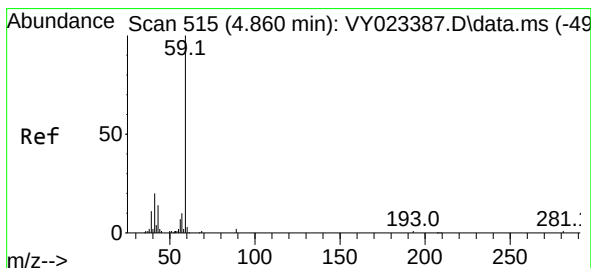
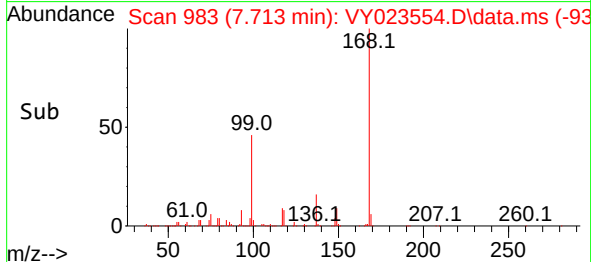
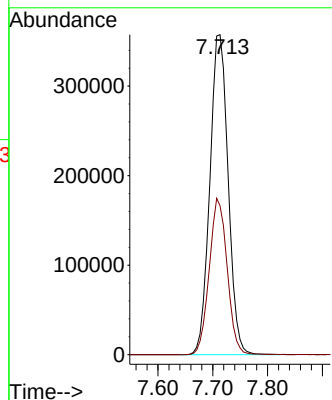
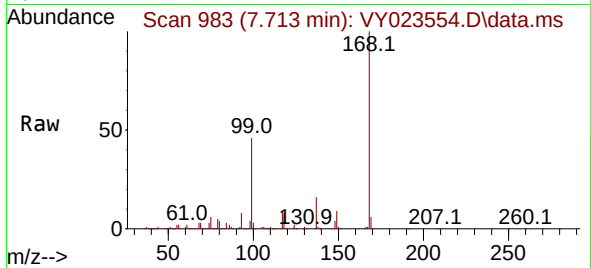




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

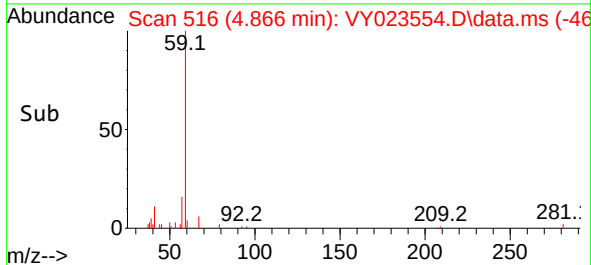
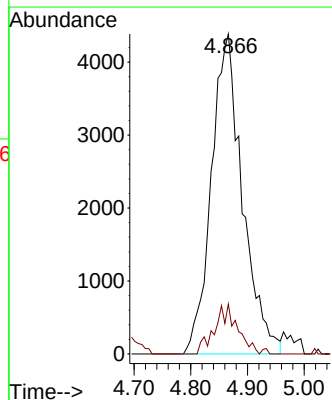
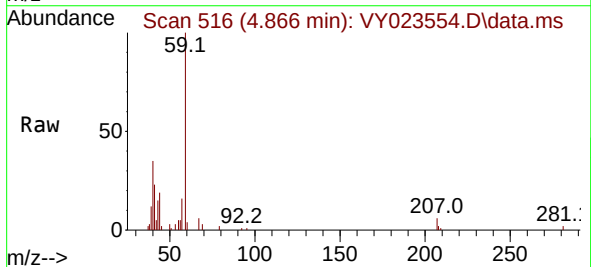
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

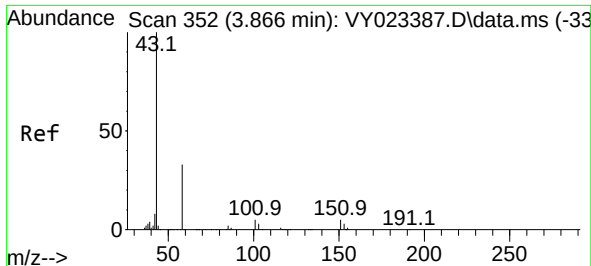
Tgt Ion:168 Resp: 828002
Ion Ratio Lower Upper
168 100
99 46.5 39.7 59.5



#11
Tert butyl alcohol
Concen: 32.388 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion: 59 Resp: 16683
Ion Ratio Lower Upper
59 100
57 11.4 8.3 12.5

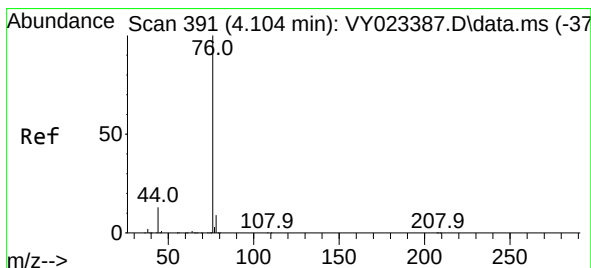
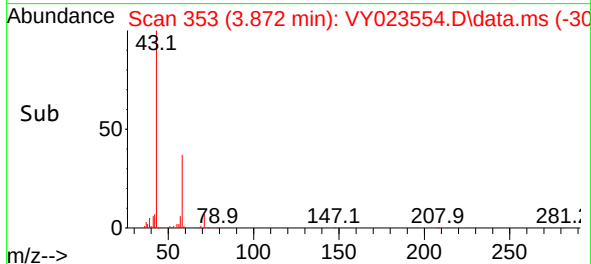
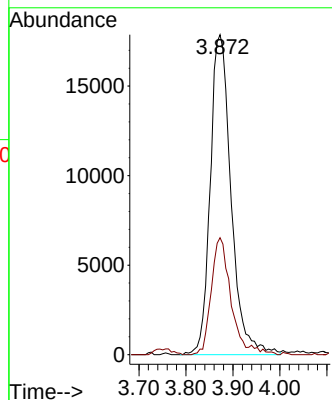
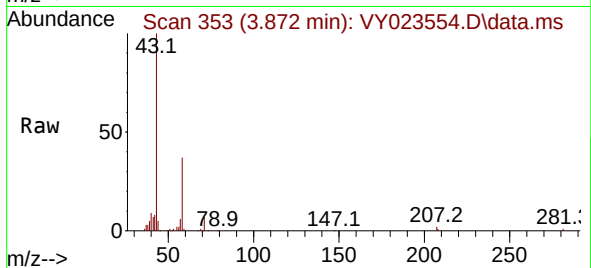




#16
Acetone
Concen: 33.390 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

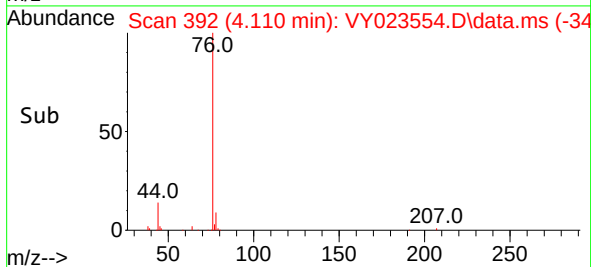
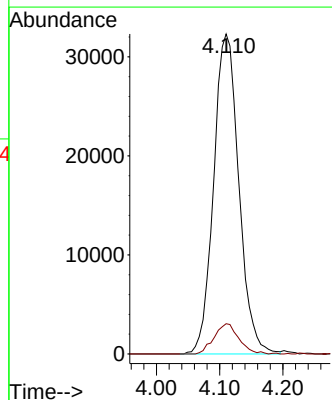
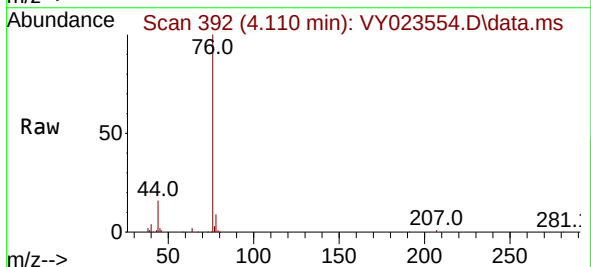
Instrument :
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ClientSampleId :
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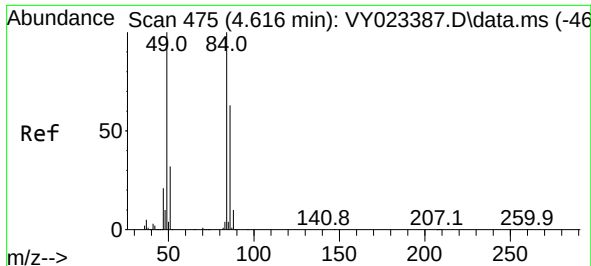
Tgt Ion: 43 Resp: 55038
Ion Ratio Lower Upper
43 100
58 36.6 27.7 41.5



#17
Carbon Disulfide
Concen: 4.226 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion: 76 Resp: 89341
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

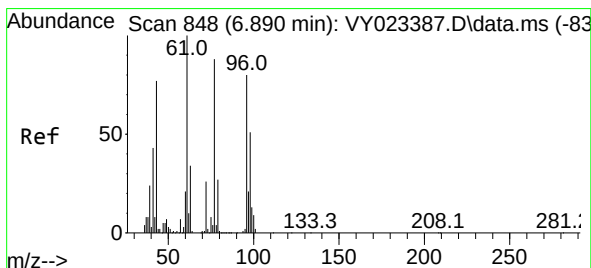
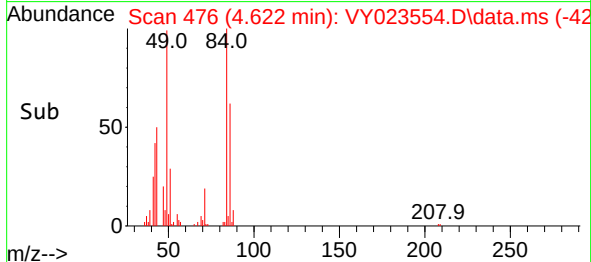
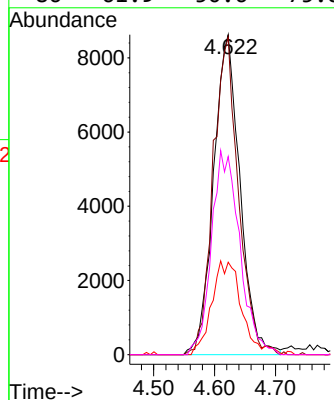
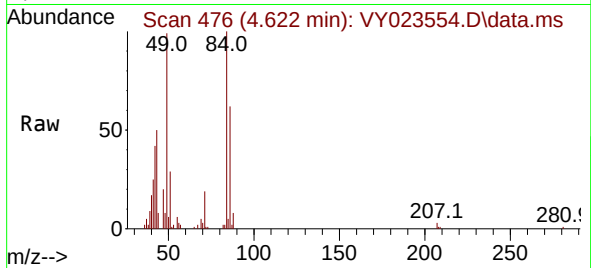




#20
Methylene Chloride
Concen: 2.916 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

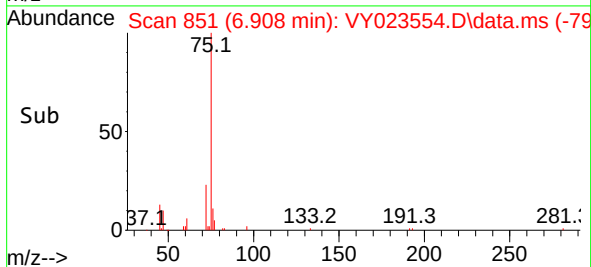
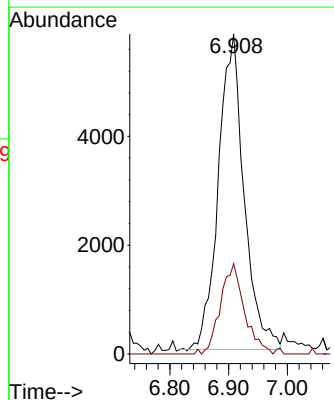
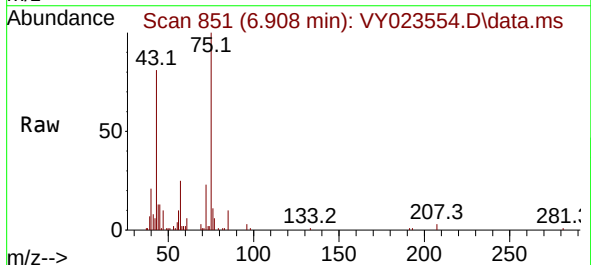
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S15-000008-20251021

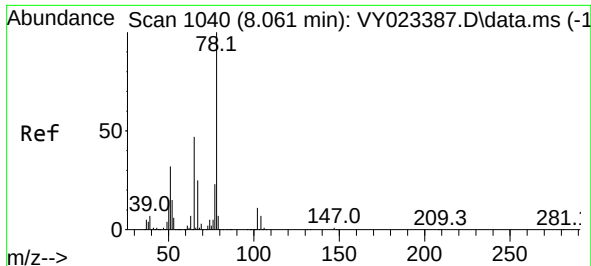
Tgt Ion:	84	Resp:	25987
Ion	Ratio	Lower	Upper
84	100		
49	99.2	80.2	120.4
51	28.9	25.9	38.9
86	61.9	50.6	75.8



#25
2-Butanone
Concen: 8.762 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion:	43	Resp:	17633
Ion	Ratio	Lower	Upper
43	100		
72	27.4	27.4	41.2





#33

1,2-Dichloroethane-d4

Concen: 50.201 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023554.D

Acq: 22 Oct 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

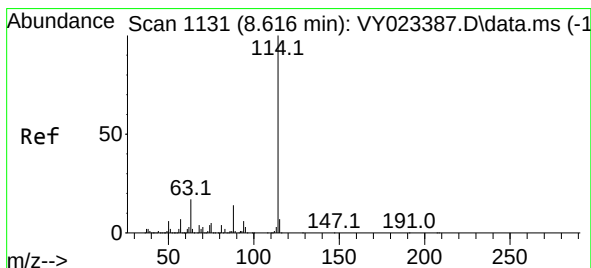
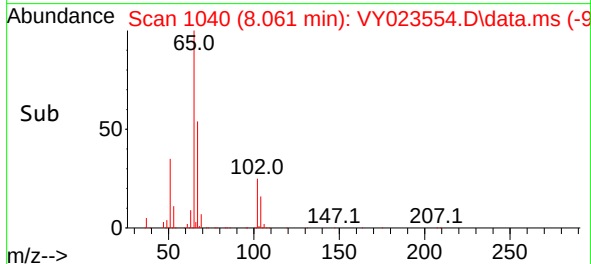
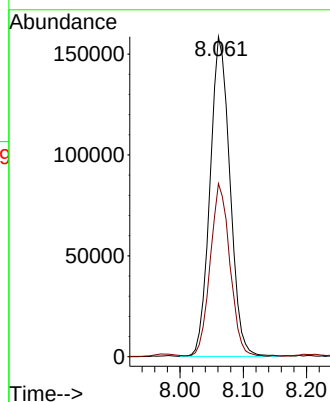
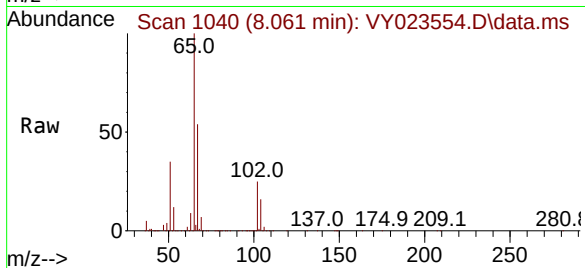
PR132-S15-000008-20251021

Tgt Ion: 65 Resp: 347588

Ion Ratio Lower Upper

65 100

67 53.1 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: VY023554.D

Acq: 22 Oct 2025 16:22

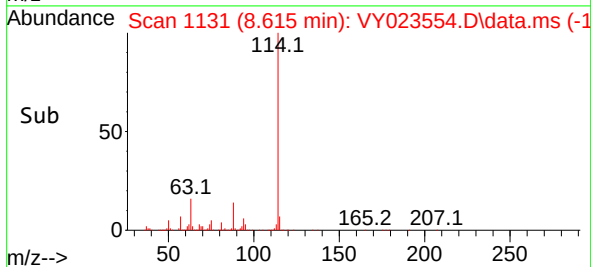
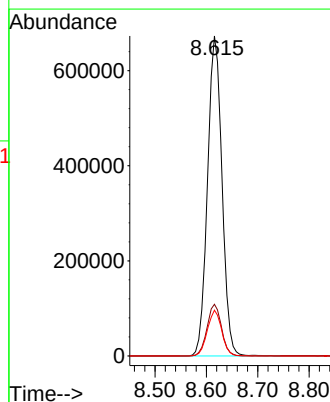
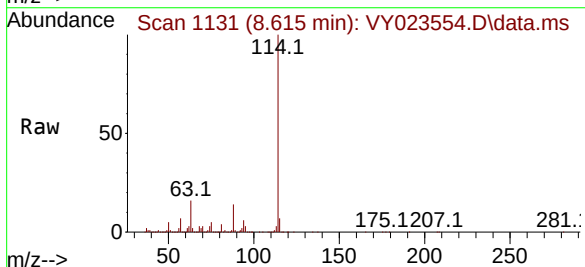
Tgt Ion: 114 Resp: 1318131

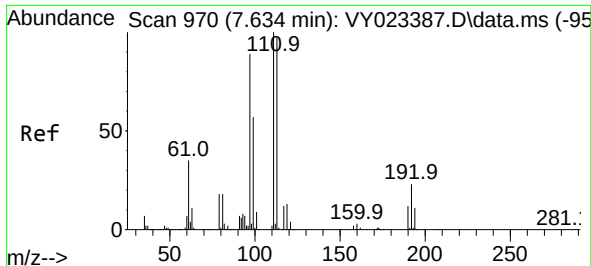
Ion Ratio Lower Upper

114 100

63 16.1 0.0 34.2

88 14.3 0.0 28.4

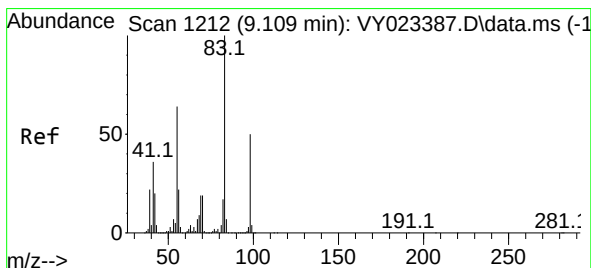
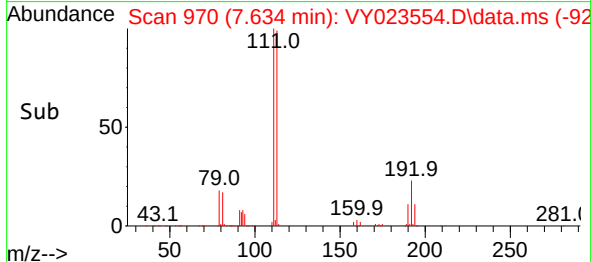
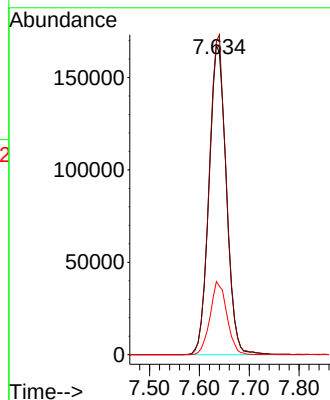
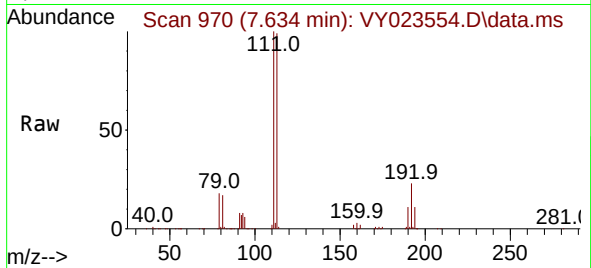




#35
Dibromofluoromethane
Concen: 49.763 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

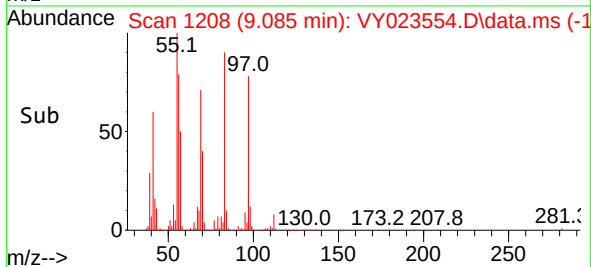
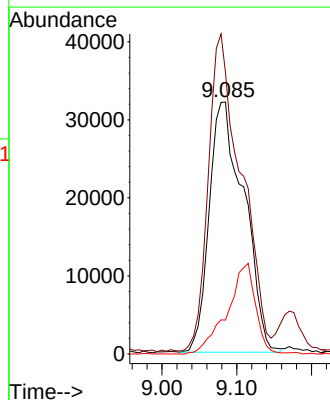
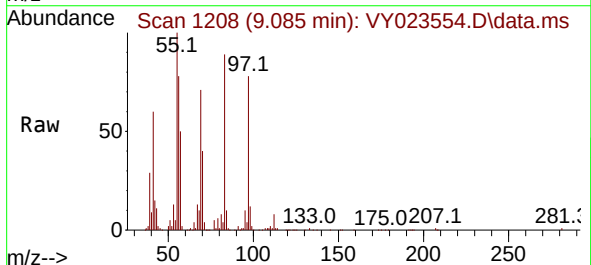
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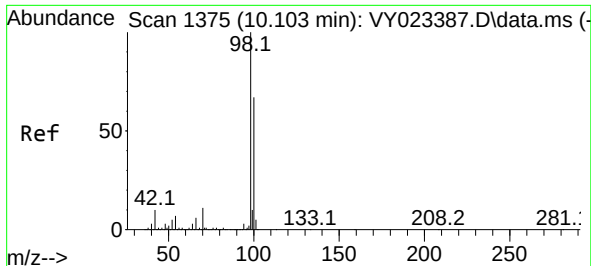
Tgt Ion:113 Resp: 403047
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 23.0 18.0 27.0



#39
Methylcyclohexane
Concen: 7.441 ug/l
RT: 9.085 min Scan# 1208
Delta R.T. -0.025 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion: 83 Resp: 103880
Ion Ratio Lower Upper
83 100
55 111.3 51.4 77.2#
98 13.6 40.4 60.6#

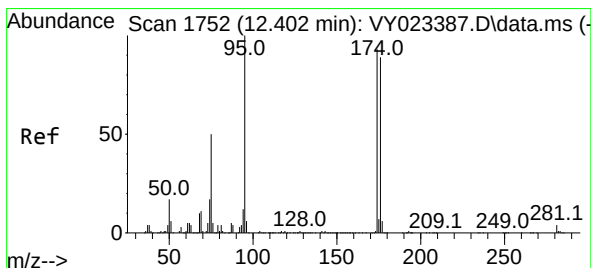
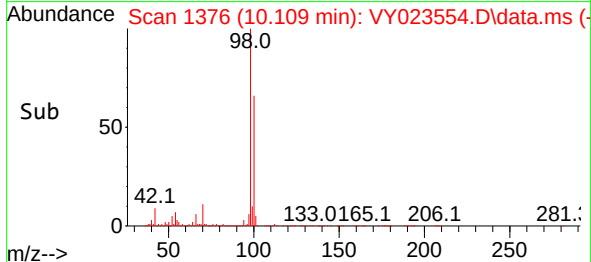
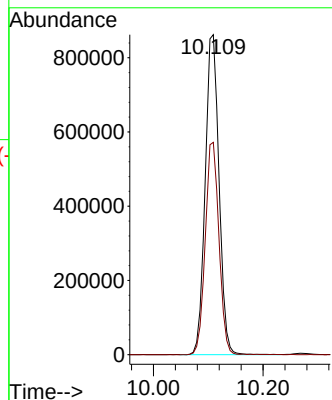
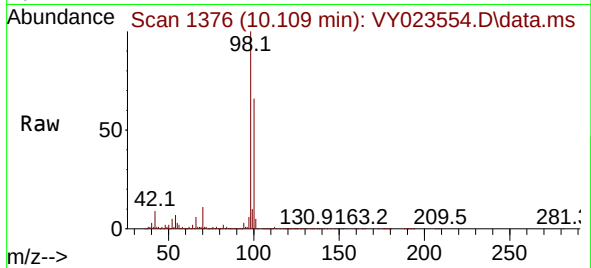




#50
Toluene-d8
Concen: 49.790 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

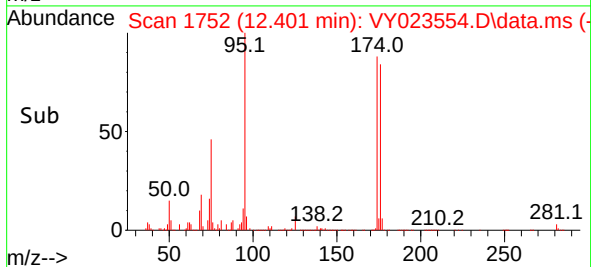
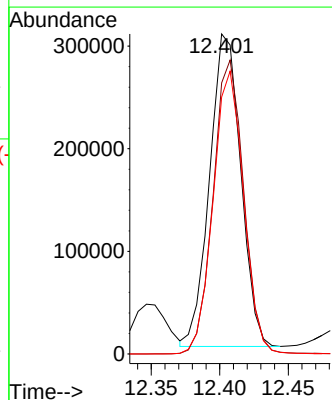
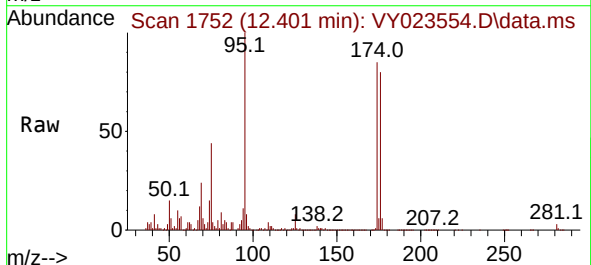
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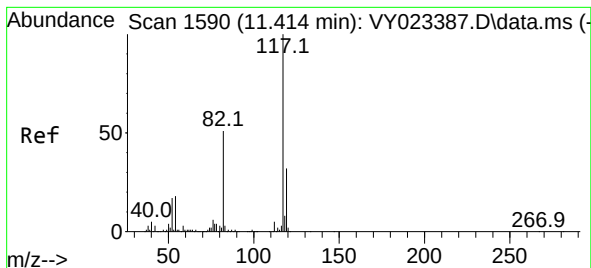
Tgt Ion: 98 Resp: 1501805
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 48.324 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023554.D
Acq: 22 Oct 2025 16:22

Tgt Ion: 95 Resp: 481218
Ion Ratio Lower Upper
95 100
174 92.4 0.0 192.8
176 88.9 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: VY023554.D

Acq: 22 Oct 2025 16:22

Instrument :

MSVOA_Y

ClientSampleId :

PR132-S15-000008-20251021

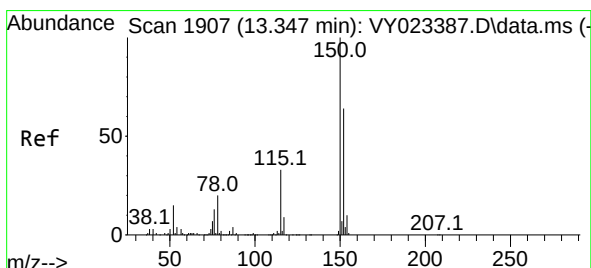
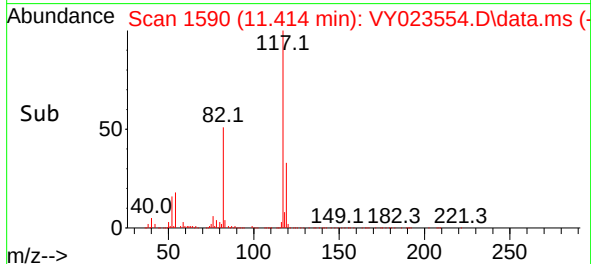
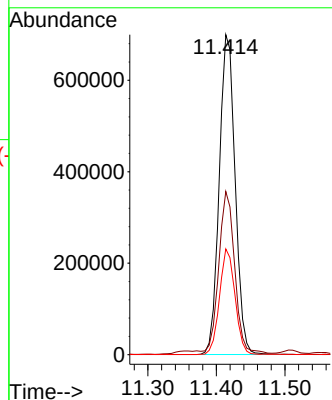
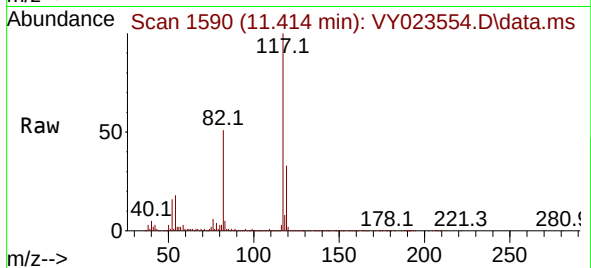
Tgt Ion:117 Resp: 1124309

Ion Ratio Lower Upper

117 100

82 50.3 41.0 61.4

119 33.0 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: VY023554.D

Acq: 22 Oct 2025 16:22

Tgt Ion:152 Resp: 514846

Ion Ratio Lower Upper

152 100

115 52.9 27.1 81.2

150 151.7 0.0 347.4

