

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023529.D
 Acq On : 21 Oct 2025 12:38
 Operator : SY/MD
 Sample : Q3393-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-S08-013038-20251017

Quant Time: Oct 24 01:36:50 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)

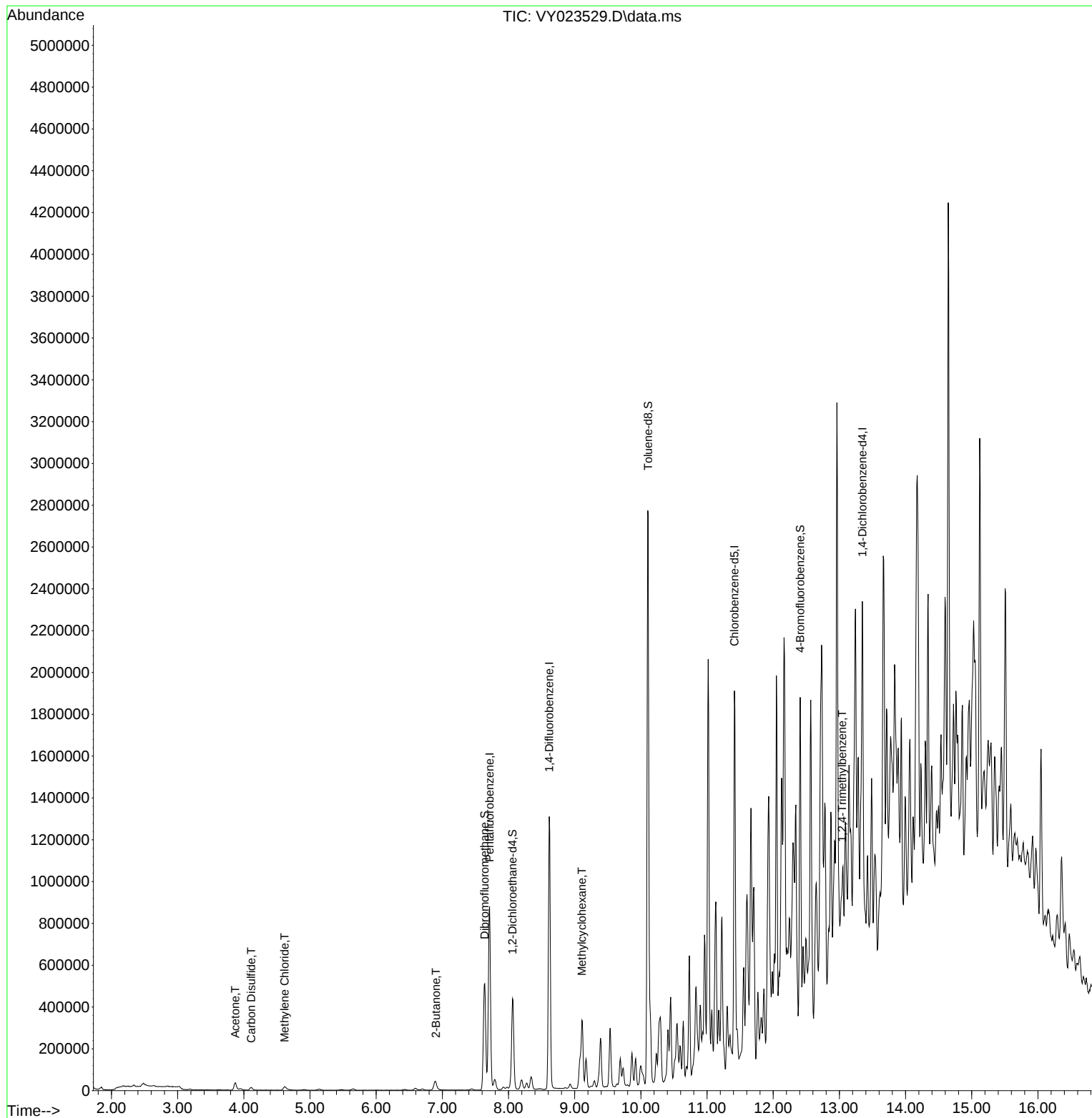
Internal Standards						
1) Pentafluorobenzene	7.713	168	730515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1210975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1010042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	384650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	328658	53.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.600%			
35) Dibromofluoromethane	7.640	113	377689	50.759	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.520%			
50) Toluene-d8	10.109	98	1429858	51.600	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.200%			
62) 4-Bromofluorobenzene	12.408	95	413105	45.155	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.300%			
Target Compounds						Qvalue
16) Acetone	3.873	43	60146	41.358	ug/l	96
17) Carbon Disulfide	4.110	76	26755	1.435	ug/l	99
20) Methylene Chloride	4.616	84	12412	1.578	ug/l #	81
25) 2-Butanone	6.902	43	21069	11.867	ug/l	90
39) Methylcyclohexane	9.109	83	125865	9.813	ug/l #	88
84) 1,2,4-Trimethylbenzene	13.042	105	45201	2.211	ug/l	98

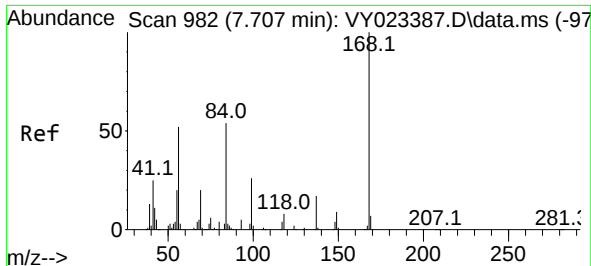
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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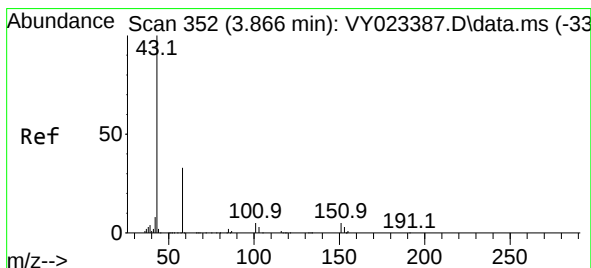
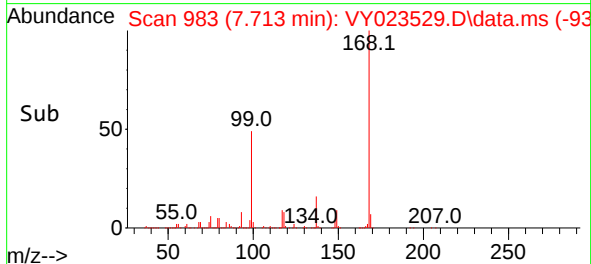
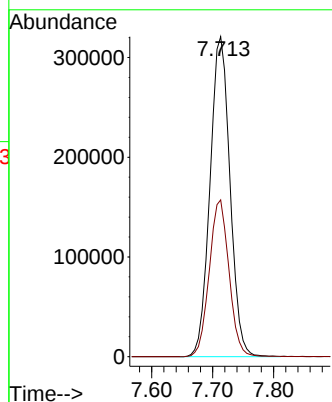
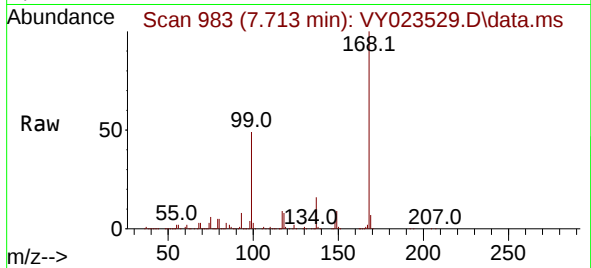




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023529.D
Acq: 21 Oct 2025 12:38

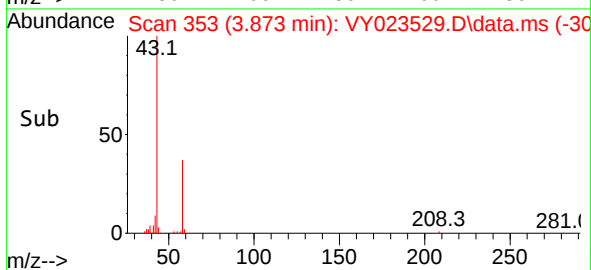
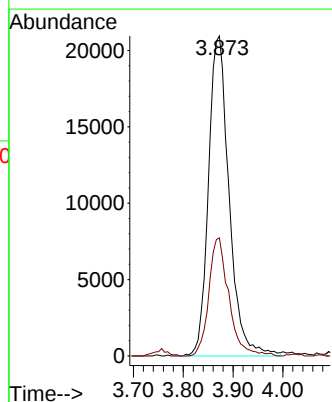
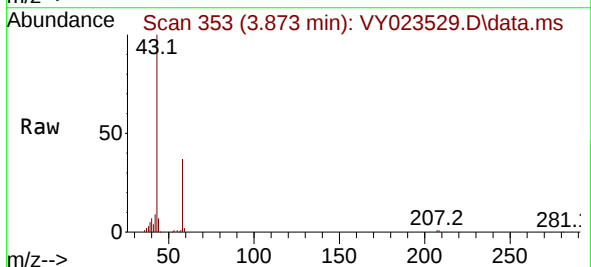
Instrument :
MSVOA_Y
ClientSampleId :
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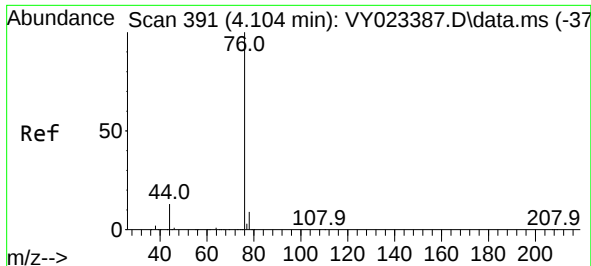
Tgt Ion:168 Resp: 730515
Ion Ratio Lower Upper
168 100
99 49.0 39.7 59.5



#16
Acetone
Concen: 41.358 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023529.D
Acq: 21 Oct 2025 12:38

Tgt Ion: 43 Resp: 60146
Ion Ratio Lower Upper
43 100
58 36.9 27.7 41.5

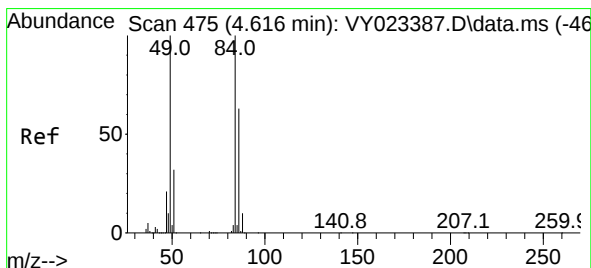
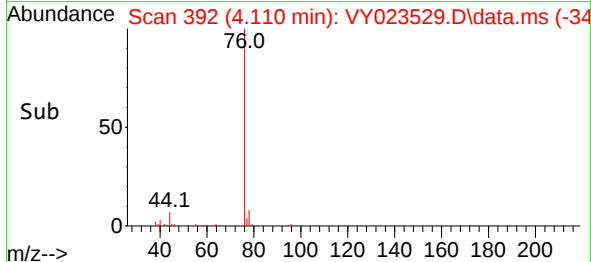
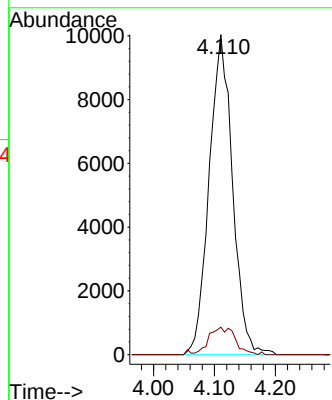
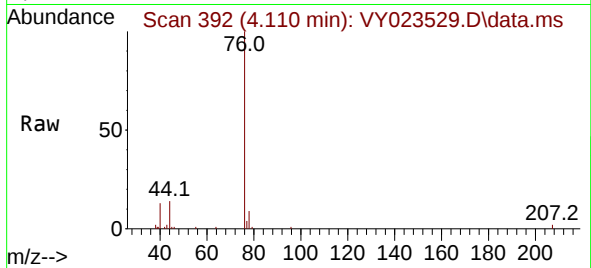




#17
Carbon Disulfide
Concen: 1.435 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023529.D
Acq: 21 Oct 2025 12:38

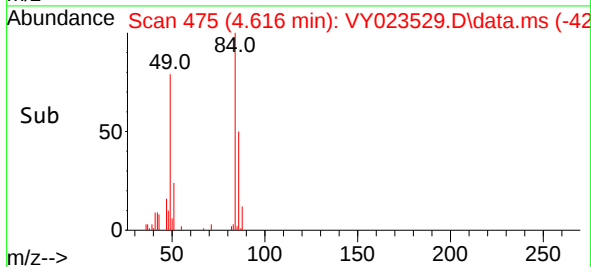
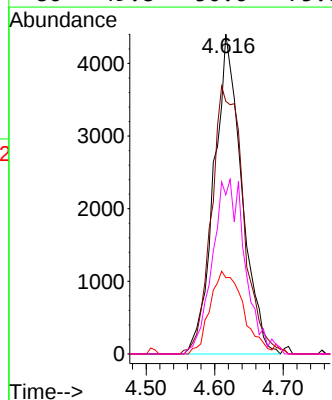
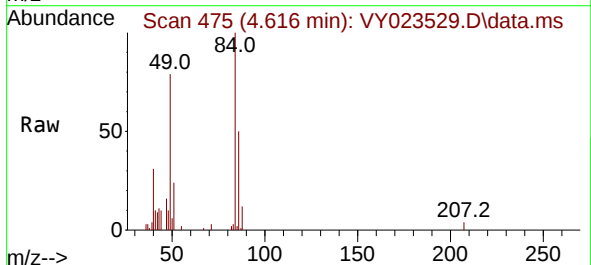
Instrument :
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ClientSampleId :
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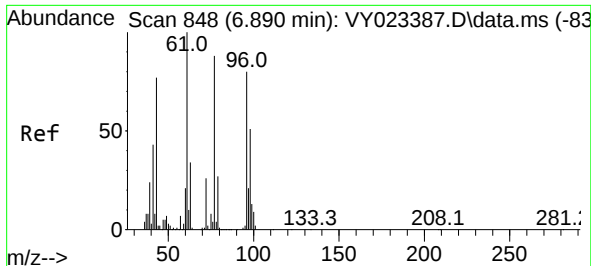
Tgt Ion: 76 Resp: 26755
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#20
Methylene Chloride
Concen: 1.578 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023529.D
Acq: 21 Oct 2025 12:38

Tgt Ion: 84 Resp: 12412
Ion Ratio Lower Upper
84 100
49 78.9 80.2 120.4#
51 23.9 25.9 38.9#
86 49.8 50.6 75.8#

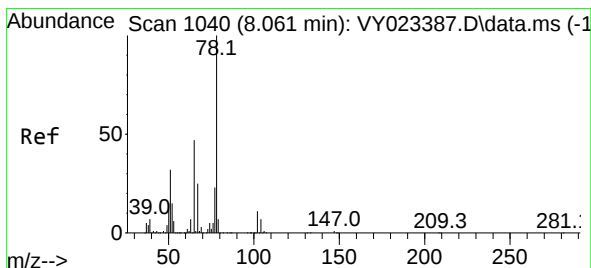
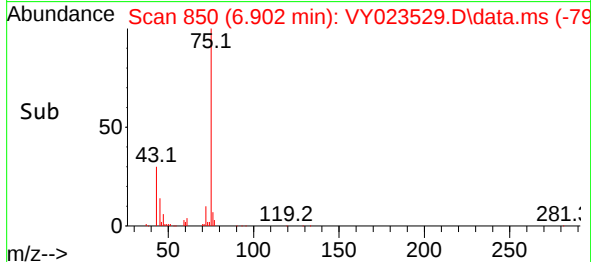
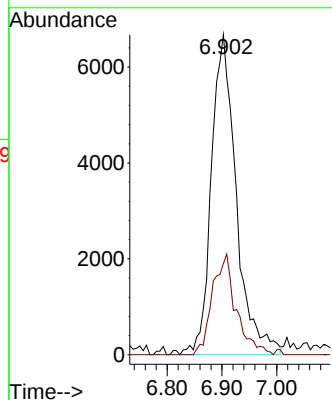
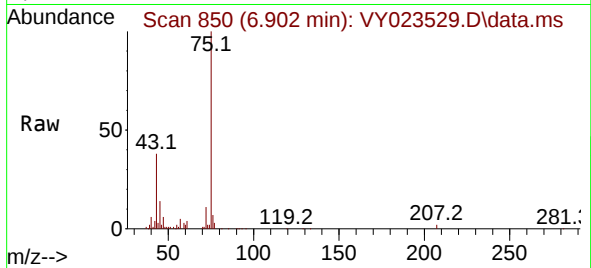




#25
2-Butanone
Concen: 11.867 ug/l
RT: 6.902 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY023529.D
Acq: 21 Oct 2025 12:38

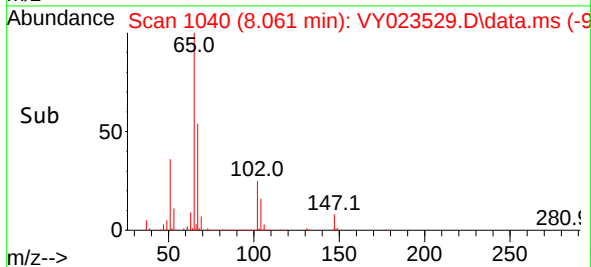
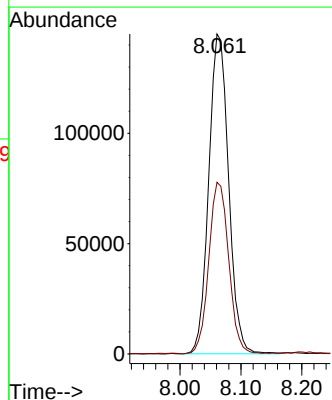
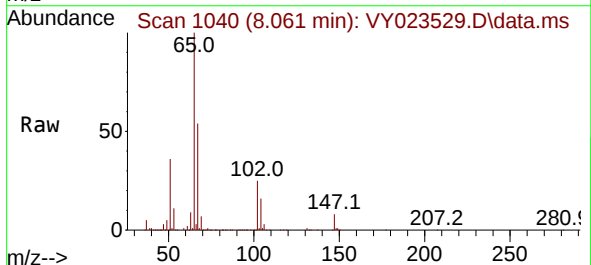
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S08-013038-20251017

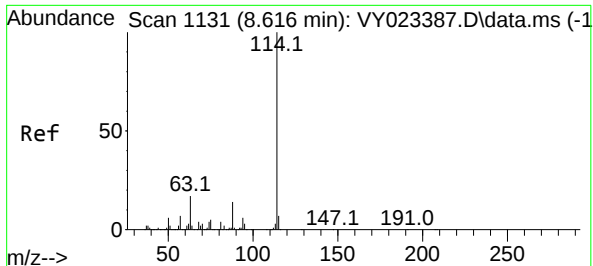
Tgt Ion: 43 Resp: 21069
Ion Ratio Lower Upper
43 100
72 28.5 27.4 41.2



#33
1,2-Dichloroethane-d4
Concen: 53.802 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023529.D
Acq: 21 Oct 2025 12:38

Tgt Ion: 65 Resp: 328658
Ion Ratio Lower Upper
65 100
67 53.8 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: VY023529.D

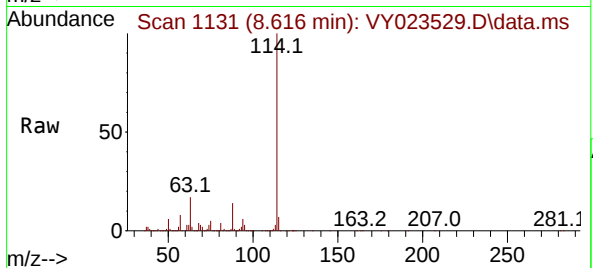
Acq: 21 Oct 2025 12:38

Instrument :

MSVOA_Y

ClientSampleId :

PR132-S08-013038-20251017



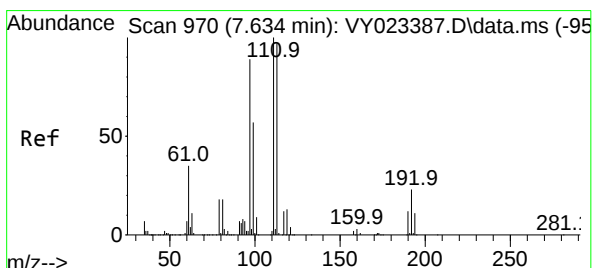
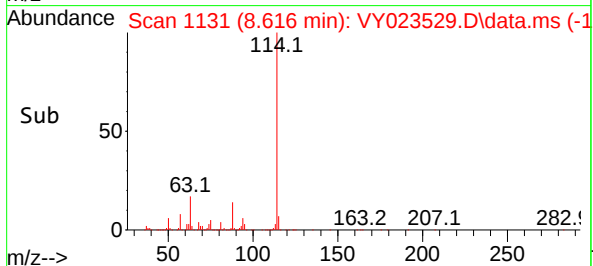
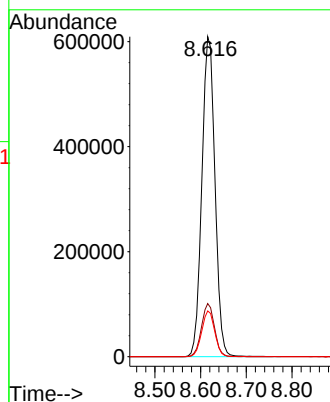
Tgt Ion:114 Resp: 1210975

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.2

88 14.3 0.0 28.4



#35

Dibromofluoromethane

Concen: 50.759 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023529.D

Acq: 21 Oct 2025 12:38

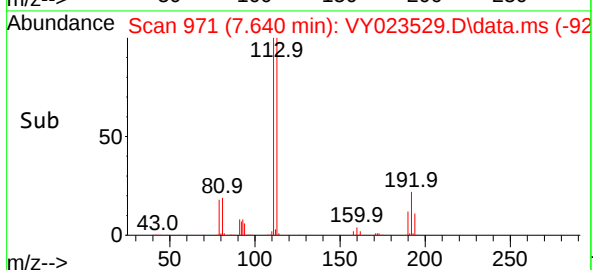
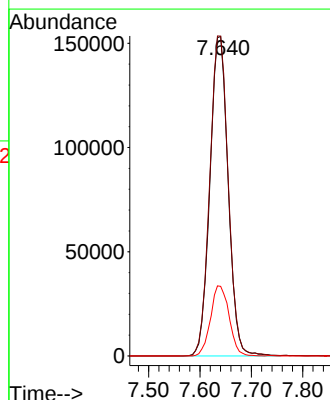
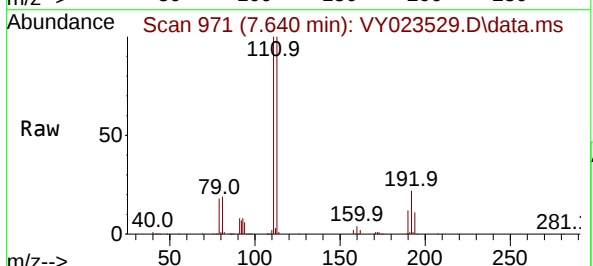
Tgt Ion:113 Resp: 377689

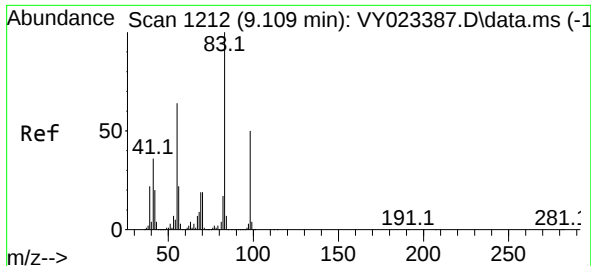
Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

192 22.4 18.0 27.0

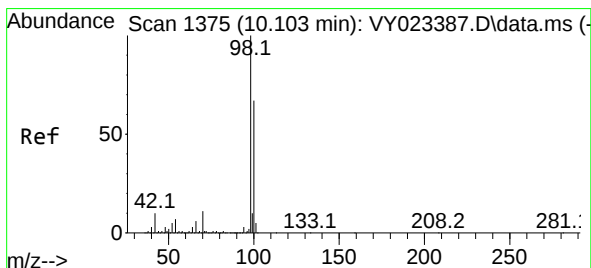
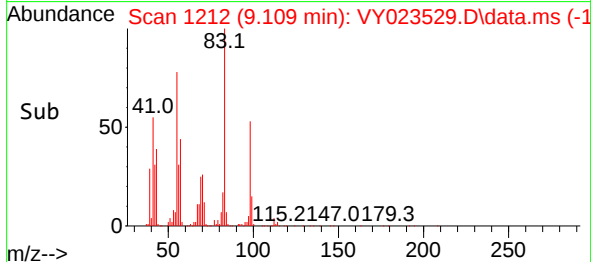
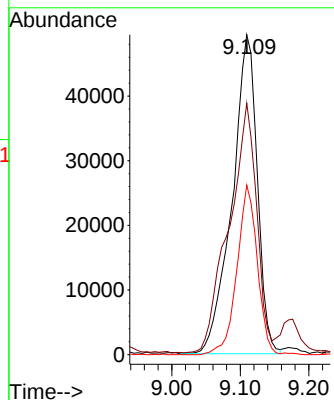
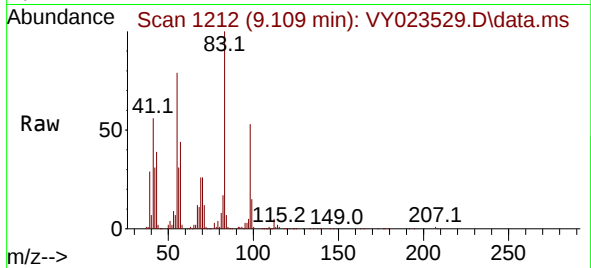




#39
Methylcyclohexane
Concen: 9.813 ug/l
RT: 9.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023529.D
Acq: 21 Oct 2025 12:38

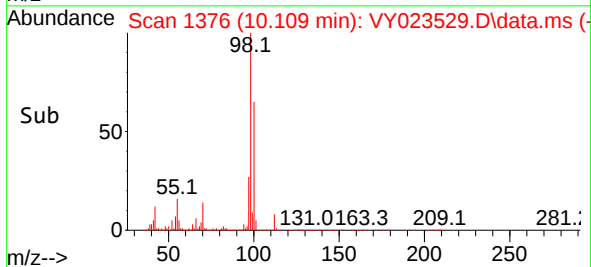
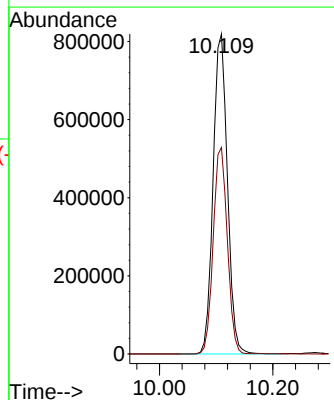
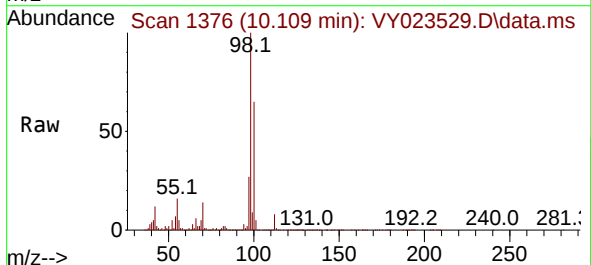
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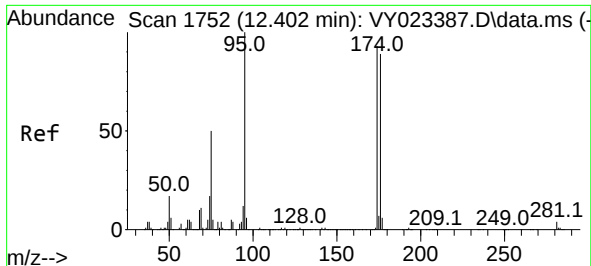
Tgt Ion: 83 Resp: 125865
Ion Ratio Lower Upper
83 100
55 78.2 51.4 77.2#
98 53.2 40.4 60.6



#50
Toluene-d8
Concen: 51.600 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023529.D
Acq: 21 Oct 2025 12:38

Tgt Ion: 98 Resp: 1429858
Ion Ratio Lower Upper
98 100
100 63.9 53.0 79.4

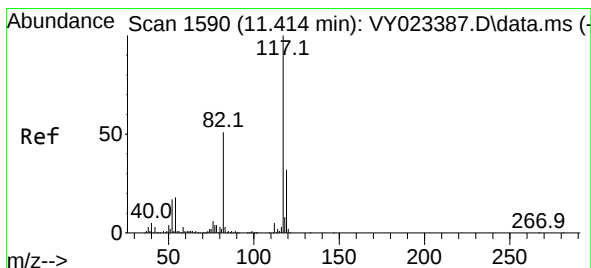
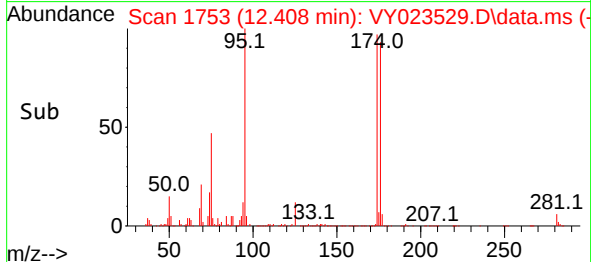
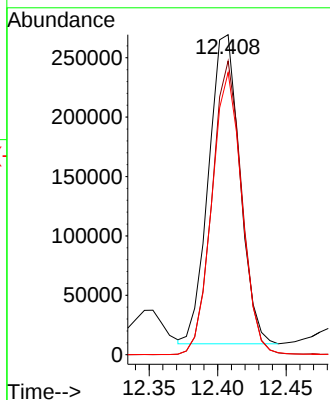
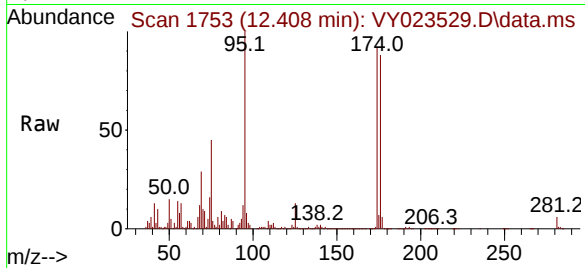




#62
4-Bromofluorobenzene
Concen: 45.155 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023529.D
Acq: 21 Oct 2025 12:38

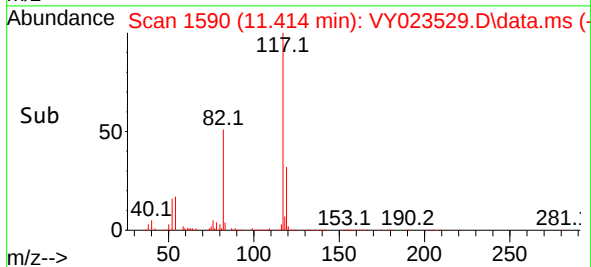
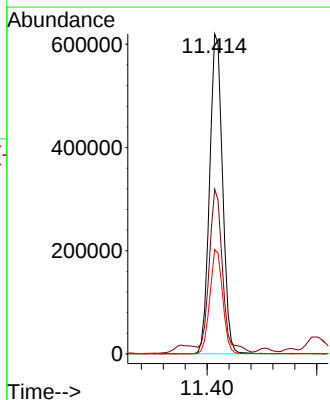
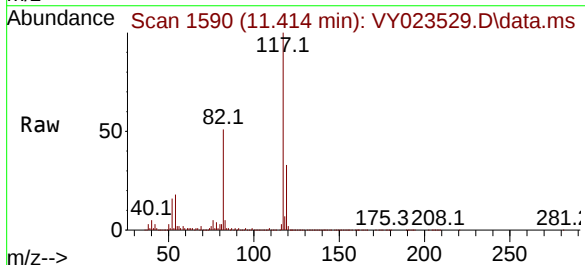
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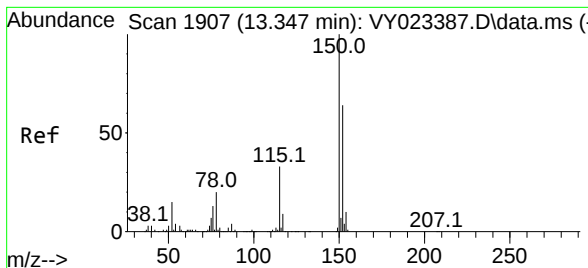
Tgt Ion: 95 Resp: 413105
Ion Ratio Lower Upper
95 100
174 90.6 0.0 192.8
176 87.9 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023529.D
Acq: 21 Oct 2025 12:38

Tgt Ion: 117 Resp: 1010042
Ion Ratio Lower Upper
117 100
82 50.8 41.0 61.4
119 32.6 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: VY023529.D

Acq: 21 Oct 2025 12:38

Instrument :

MSVOA_Y

ClientSampleId :

PR132-S08-013038-20251017

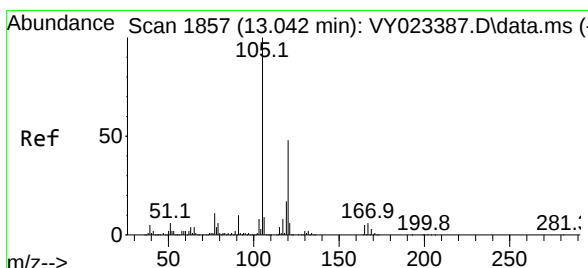
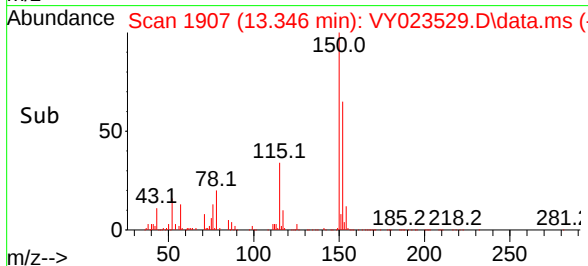
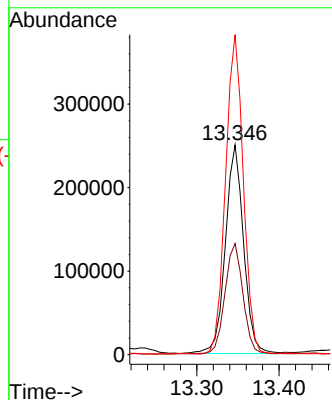
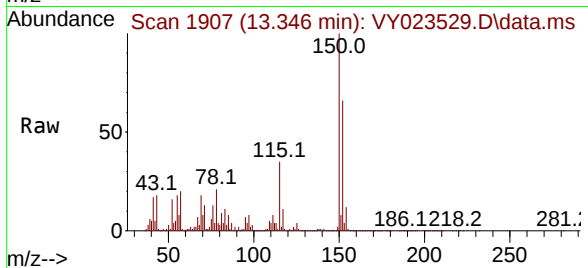
Tgt Ion:152 Resp: 384650

Ion Ratio Lower Upper

152 100

115 52.6 27.1 81.2

150 149.1 0.0 347.4



#84

1,2,4-Trimethylbenzene

Concen: 2.211 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY023529.D

Acq: 21 Oct 2025 12:38

Tgt Ion:105 Resp: 45201

Ion Ratio Lower Upper

105 100

120 48.8 23.8 71.2

