

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023528.D
 Acq On : 21 Oct 2025 12:14
 Operator : SY/MD
 Sample : Q3376-02
 Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-DP01-20251016

Quant Time: Oct 24 01:36:21 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)

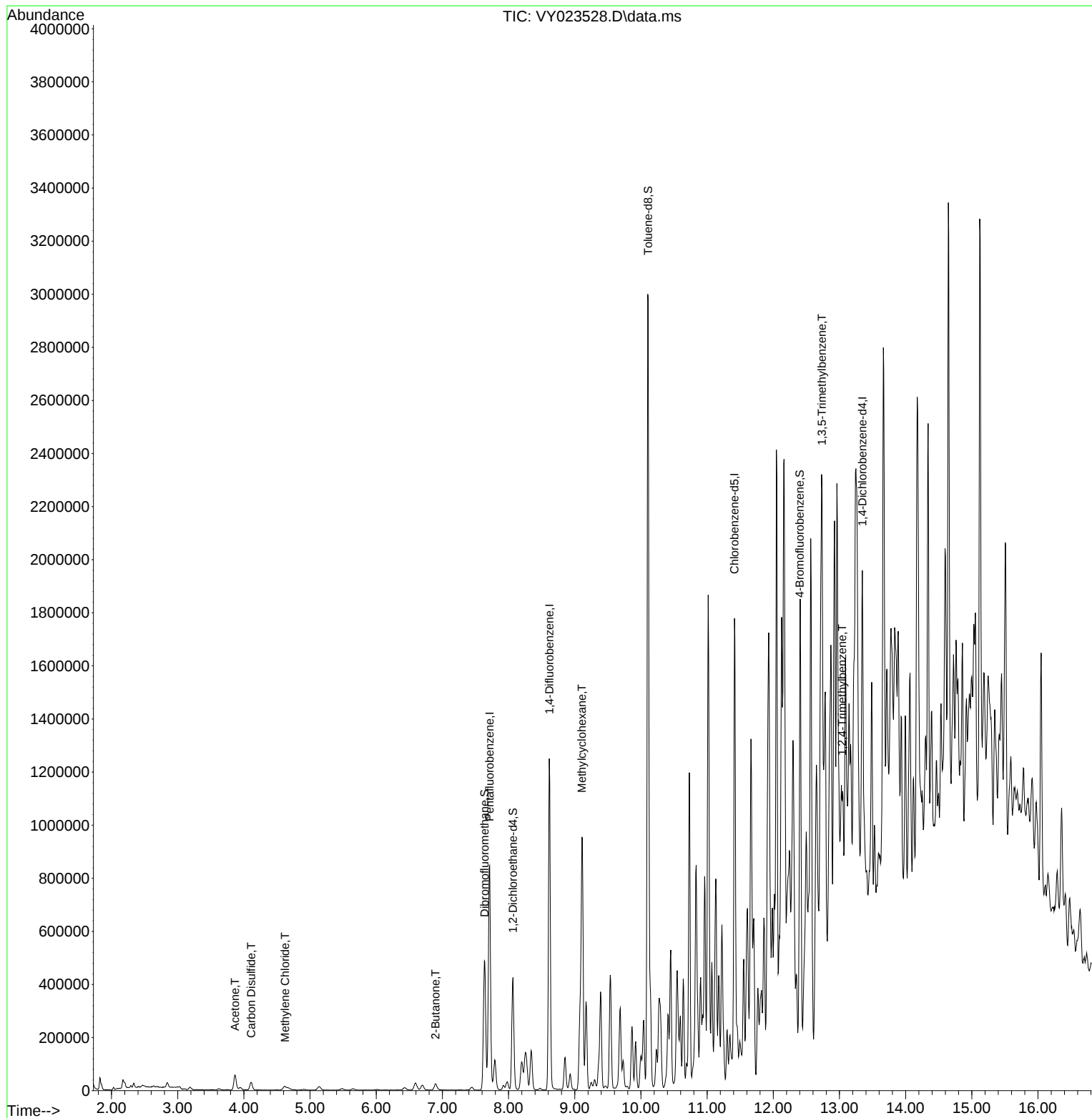
Internal Standards						
1) Pentafluorobenzene	7.713	168	663057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1122781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	941880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	360030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	317175	57.204	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.400%
35) Dibromofluoromethane	7.640	113	356259	51.640	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.280%
50) Toluene-d8	10.109	98	1357609	52.841	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.680%
62) 4-Bromofluorobenzene	12.401	95	399162	47.058	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.120%
Target Compounds						
						Qvalue
16) Acetone	3.866	43	94876	71.876	ug/l	98
17) Carbon Disulfide	4.110	76	60486	3.573	ug/l	98
20) Methylene Chloride	4.622	84	8719	1.222	ug/l	92
25) 2-Butanone	6.896	43	32532	20.187	ug/l	92
39) Methylcyclohexane	9.109	83	358027	30.107	ug/l	93
80) 1,3,5-Trimethylbenzene	12.736	105	88896	4.637	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	60889	3.182	ug/l	99

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

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QLast Update : Wed Oct 08 05:12:50 2025
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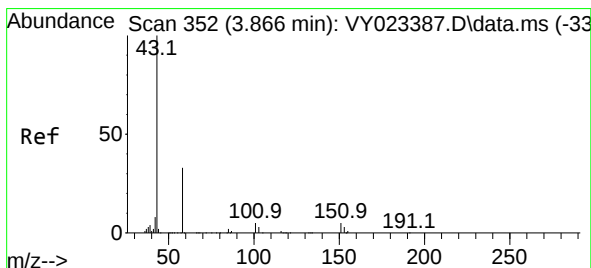
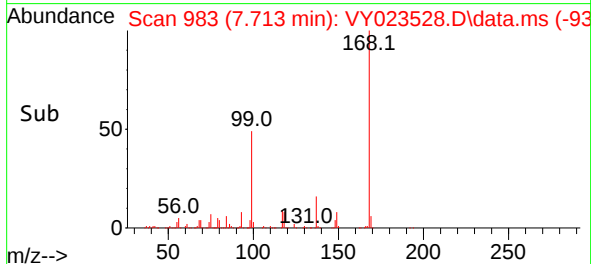
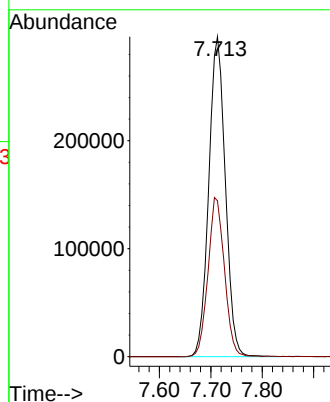
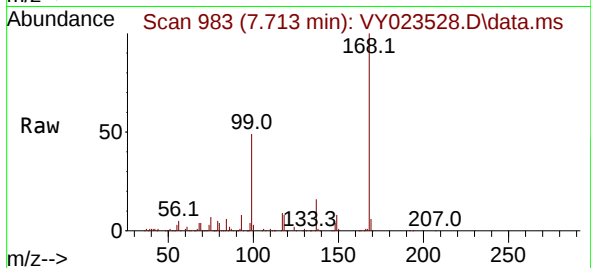




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

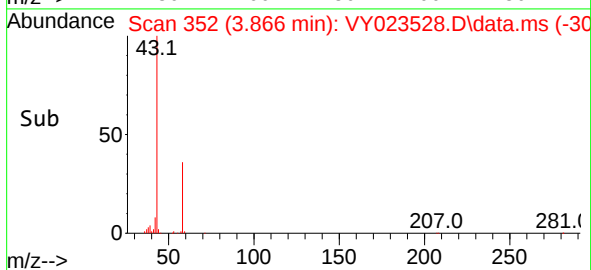
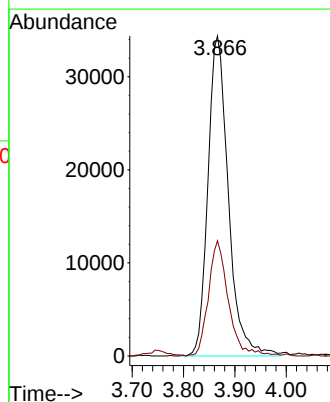
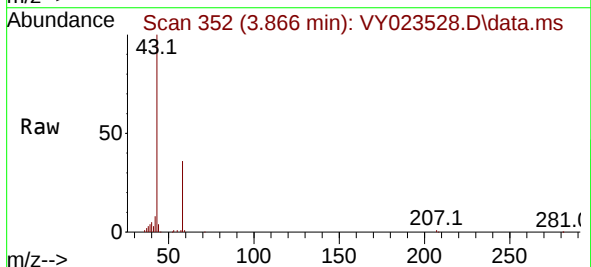
Instrument :
MSVOA_Y
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PR132-DP01-20251016

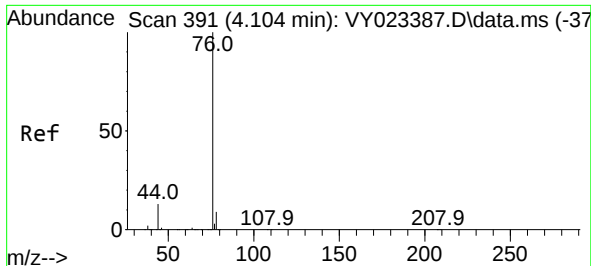
Tgt Ion:168 Resp: 663057
Ion Ratio Lower Upper
168 100
99 48.7 39.7 59.5



#16
Acetone
Concen: 71.876 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion: 43 Resp: 94876
Ion Ratio Lower Upper
43 100
58 35.7 27.7 41.5

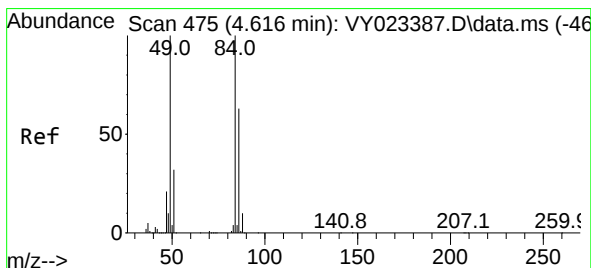
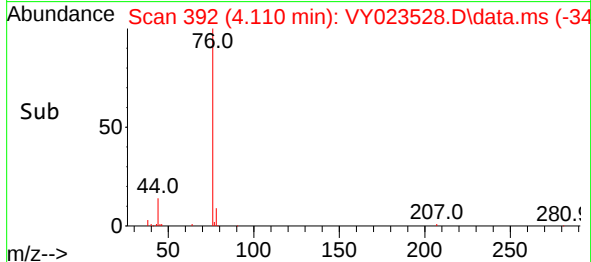
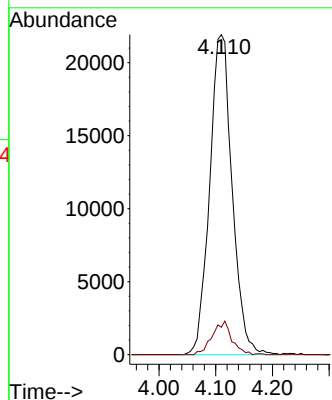
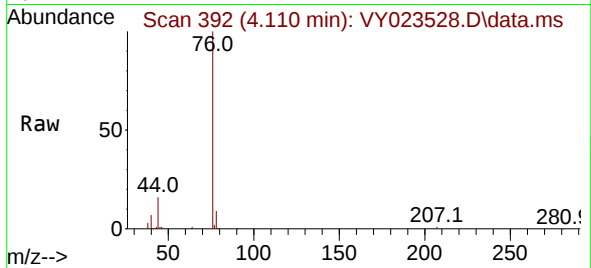




#17
Carbon Disulfide
Concen: 3.573 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

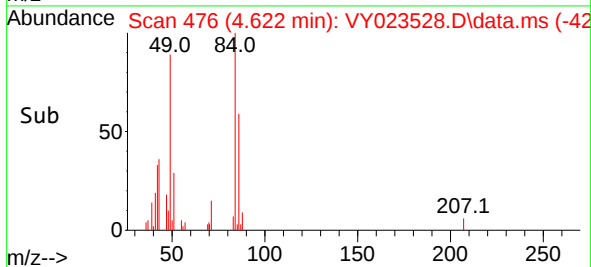
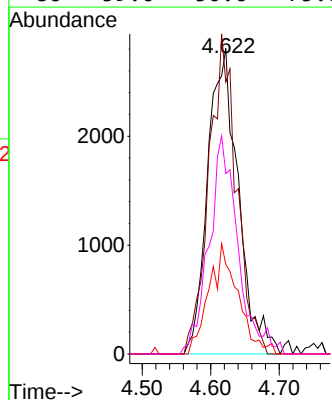
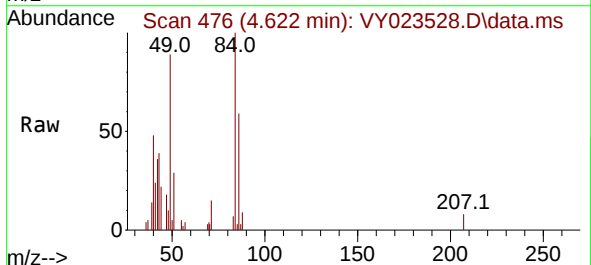
Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

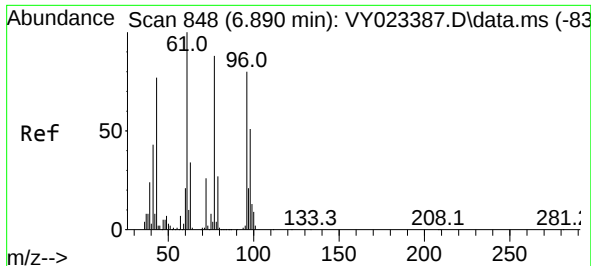
Tgt Ion: 76 Resp: 60486
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9



#20
Methylene Chloride
Concen: 1.222 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion: 84 Resp: 8719
Ion Ratio Lower Upper
84 100
49 89.0 80.2 120.4
51 29.3 25.9 38.9
86 59.0 50.6 75.8

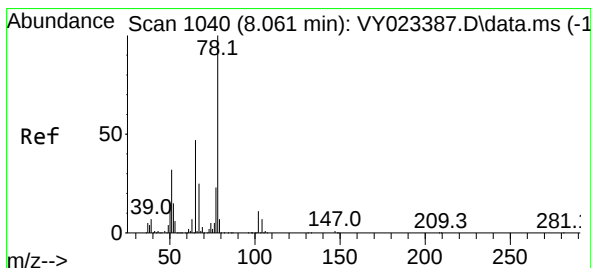
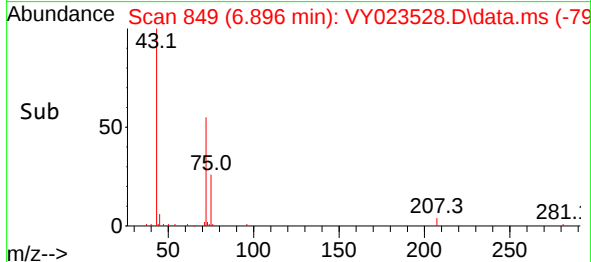
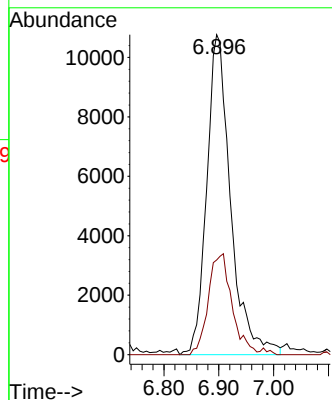
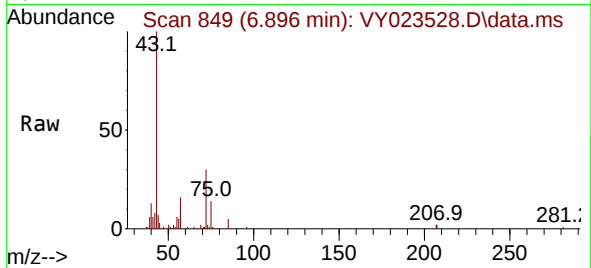




#25
2-Butanone
Concen: 20.187 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

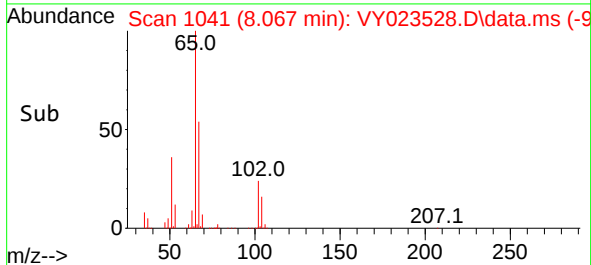
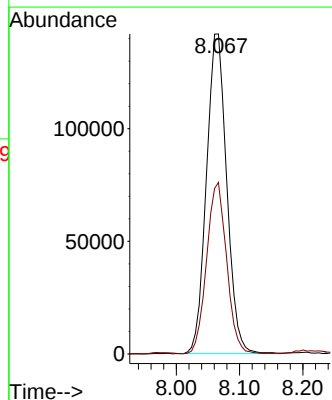
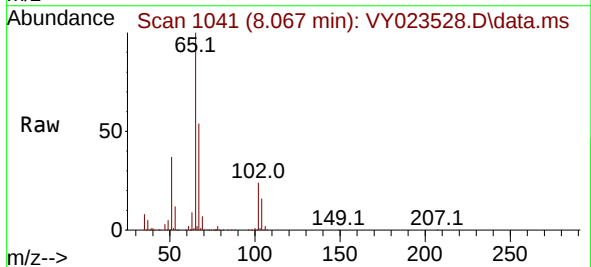
Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

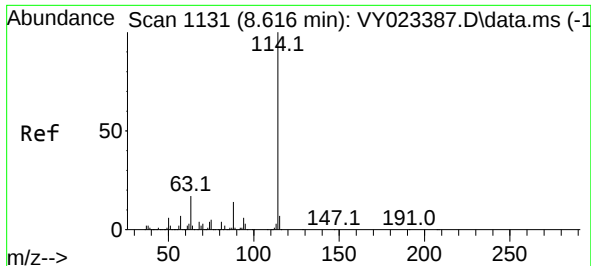
Tgt Ion: 43 Resp: 32532
Ion Ratio Lower Upper
43 100
72 29.6 27.4 41.2



#33
1,2-Dichloroethane-d4
Concen: 57.204 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion: 65 Resp: 317175
Ion Ratio Lower Upper
65 100
67 52.6 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: VY023528.D

Acq: 21 Oct 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

PR132-DP01-20251016

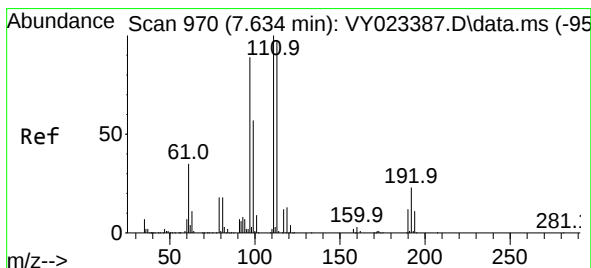
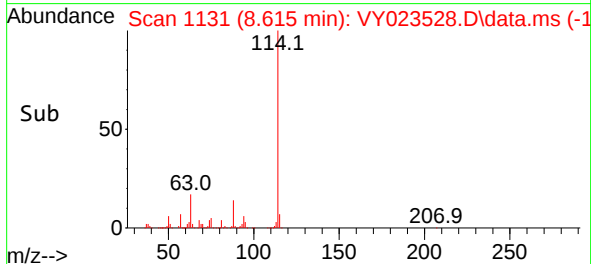
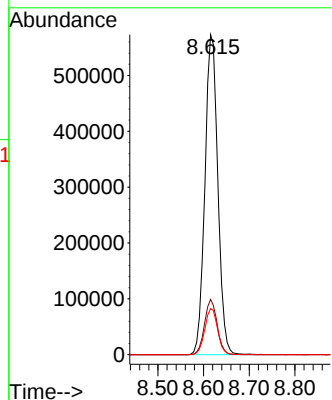
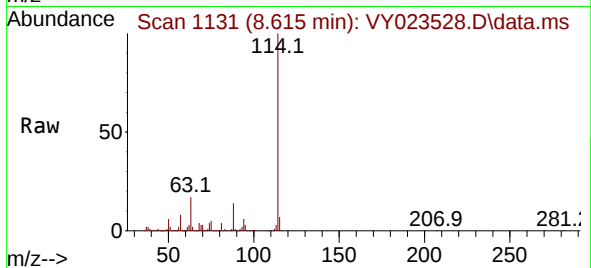
Tgt Ion:114 Resp: 1122781

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 51.640 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023528.D

Acq: 21 Oct 2025 12:14

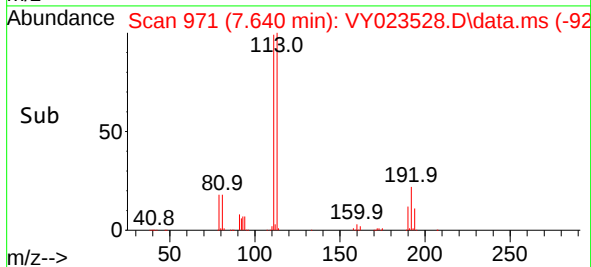
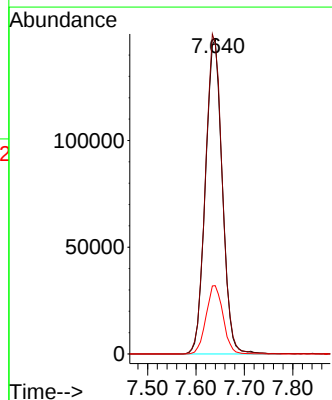
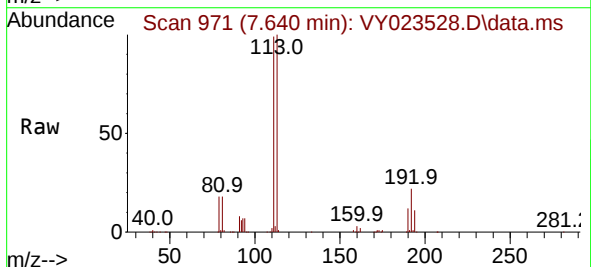
Tgt Ion:113 Resp: 356259

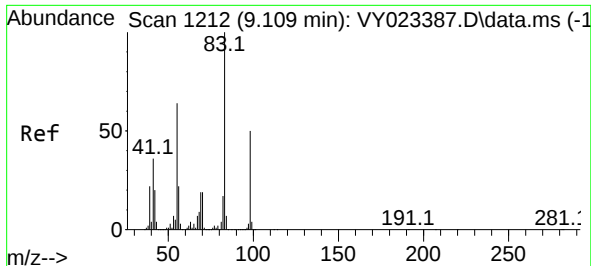
Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

192 21.9 18.0 27.0





#39

Methylcyclohexane

Concen: 30.107 ug/l

RT: 9.109 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY023528.D

Acq: 21 Oct 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

PR132-DP01-20251016

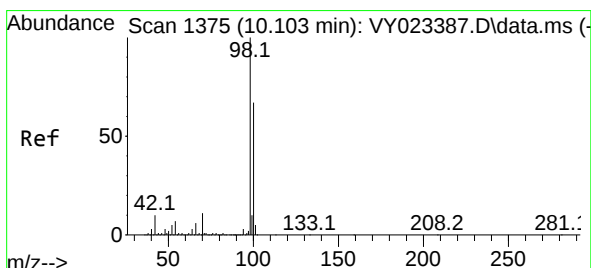
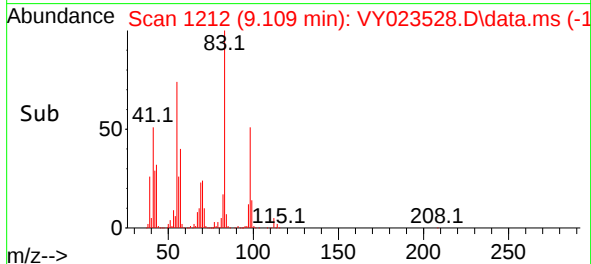
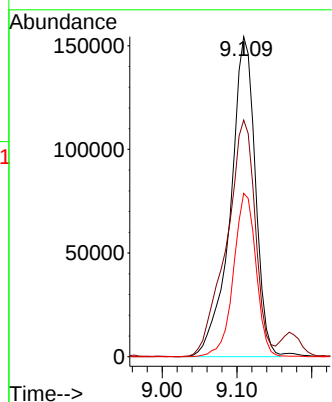
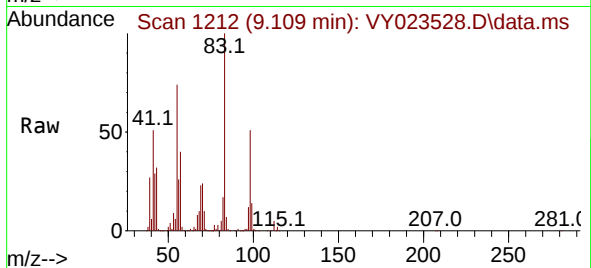
Tgt Ion: 83 Resp: 358027

Ion Ratio Lower Upper

83 100

55 73.9 51.4 77.2

98 51.1 40.4 60.6



#50

Toluene-d8

Concen: 52.841 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023528.D

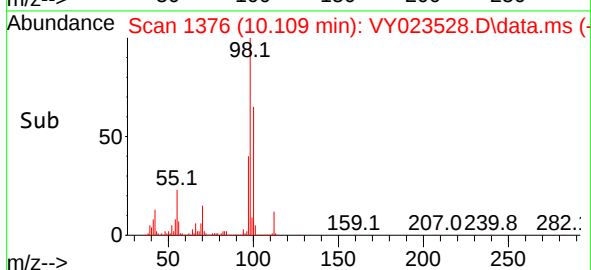
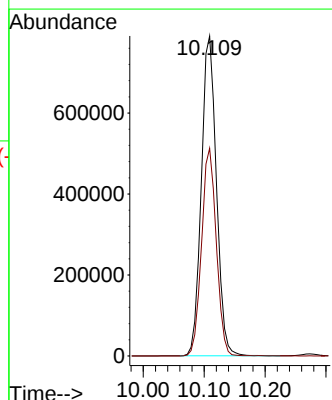
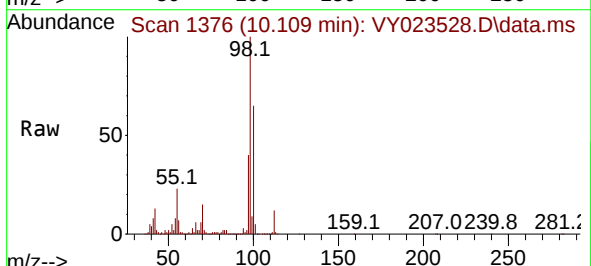
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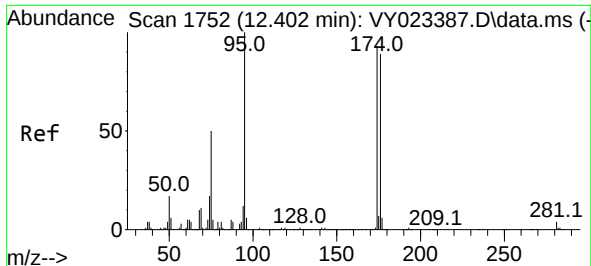
Tgt Ion: 98 Resp: 1357609

Ion Ratio Lower Upper

98 100

100 63.5 53.0 79.4

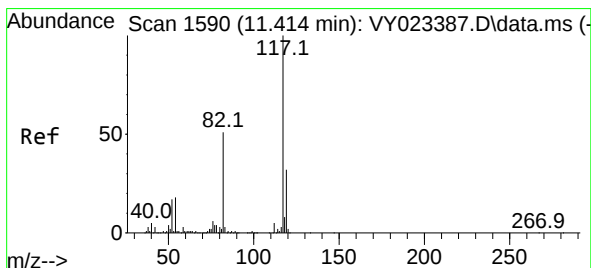
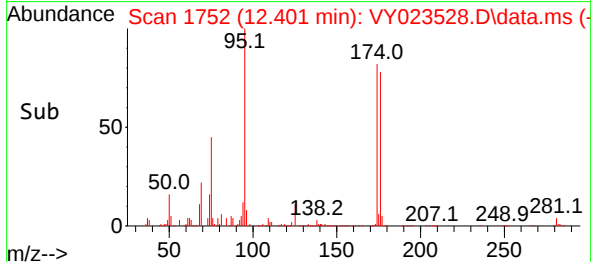
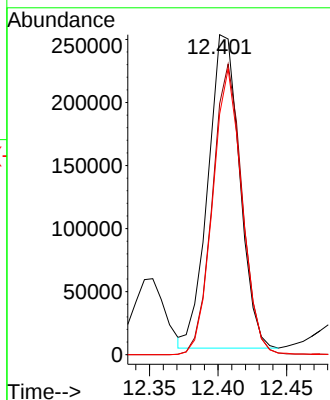
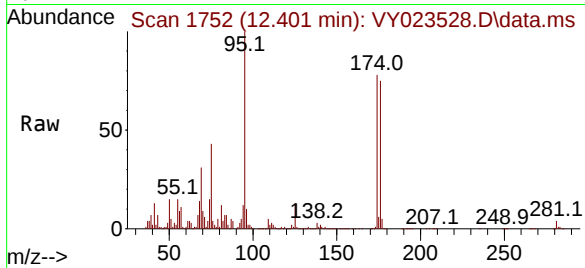




#62
4-Bromofluorobenzene
Concen: 47.058 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

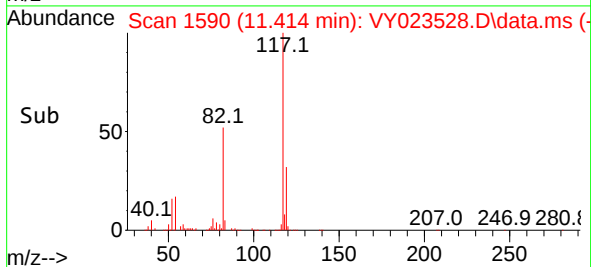
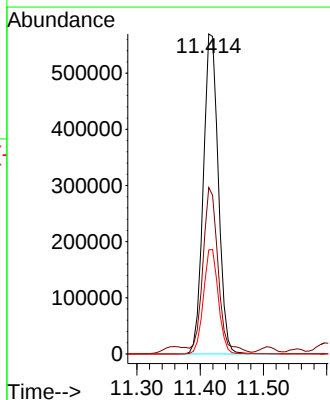
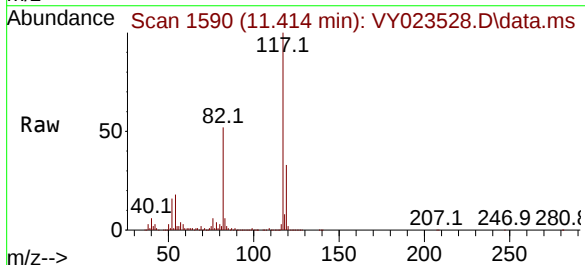
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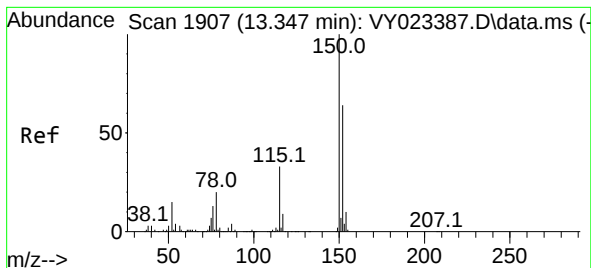
Tgt Ion: 95 Resp: 399162
Ion Ratio Lower Upper
95 100
174 87.5 0.0 192.8
176 84.8 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023528.D
Acq: 21 Oct 2025 12:14

Tgt Ion: 117 Resp: 941880
Ion Ratio Lower Upper
117 100
82 51.1 41.0 61.4
119 32.5 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: VY023528.D

Acq: 21 Oct 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :

PR132-DP01-20251016

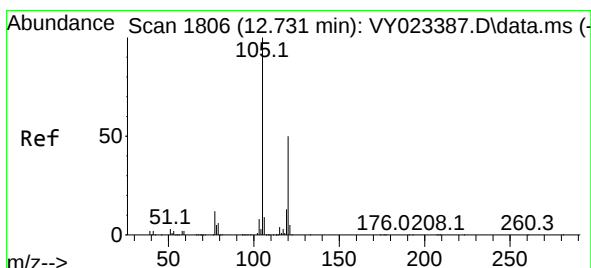
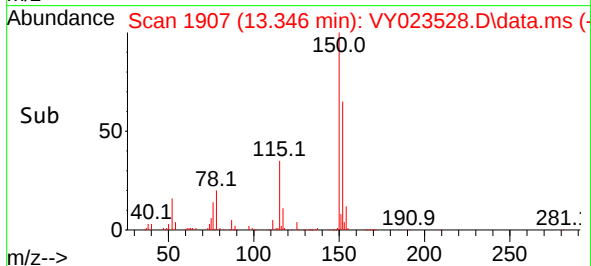
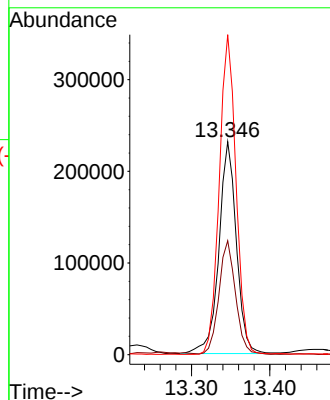
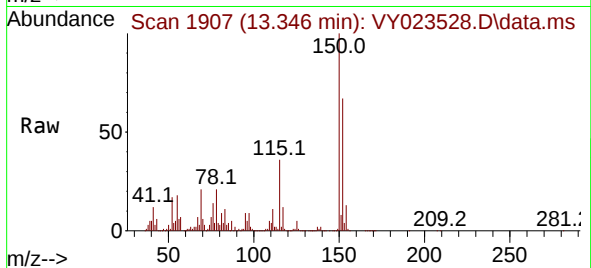
Tgt Ion:152 Resp: 360030

Ion Ratio Lower Upper

152 100

115 50.7 27.1 81.2

150 143.8 0.0 347.4



#80

1,3,5-Trimethylbenzene

Concen: 4.637 ug/l

RT: 12.736 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VY023528.D

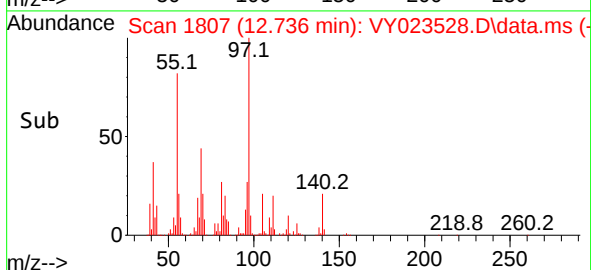
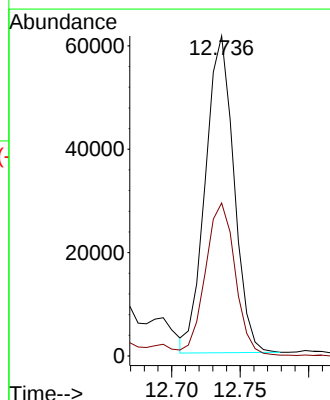
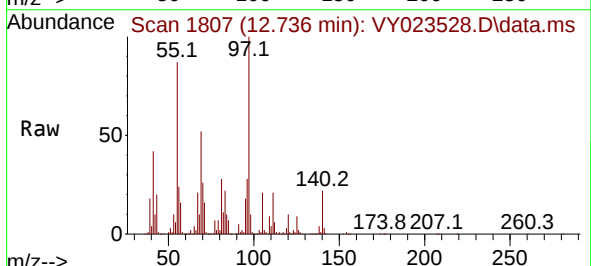
Acq: 21 Oct 2025 12:14

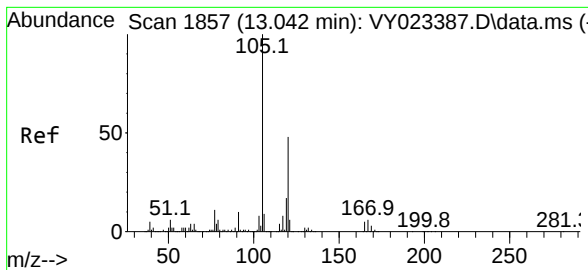
Tgt Ion:105 Resp: 88896

Ion Ratio Lower Upper

105 100

120 50.3 25.4 76.4





#84
 1,2,4-Trimethylbenzene
 Concen: 3.182 ug/l
 RT: 13.041 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY023528.D
 Acq: 21 Oct 2025 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-DP01-20251016

Tgt Ion:105 Resp: 60889
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.8 71.2

