

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103125\
 Data File : VY023642.D
 Acq On : 31 Oct 2025 12:01
 Operator : SY/MD
 Sample : Q3504-01
 Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11986

Quant Time: Nov 01 03:23:17 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)

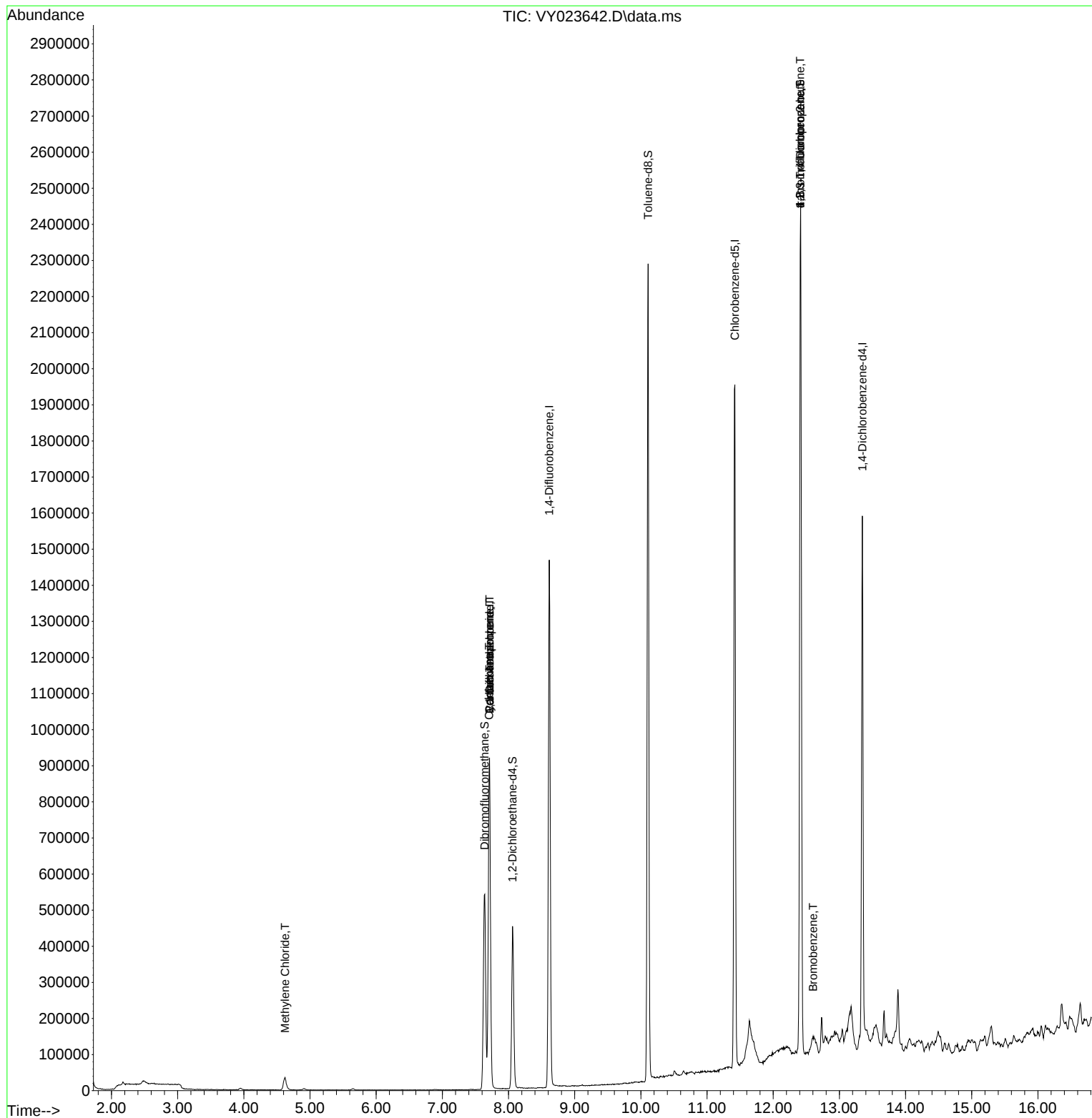
Internal Standards						
1) Pentafluorobenzene	7.713	168	763429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1305458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1084859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	395229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	343910	53.871	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.740%	
35) Dibromofluoromethane	7.640	113	392715	48.958	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.920%	
50) Toluene-d8	10.109	98	1514392	50.695	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.400%	
62) 4-Bromofluorobenzene	12.407	95	423382	42.929	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.860%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.622	84	27747	3.376	ug/l	96
31) Cyclohexane	7.707	56	13209	1.244	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	51423	4.842	ug/l #	48
38) Carbon Tetrachloride	7.713	117	70581	5.481	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	214652	61.558	ug/l #	100
77) Bromobenzene	12.603	156	47052	6.795	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.407	75	214652	150.953	ug/l #	15

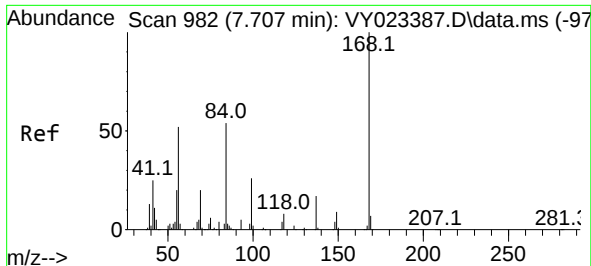
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103125\
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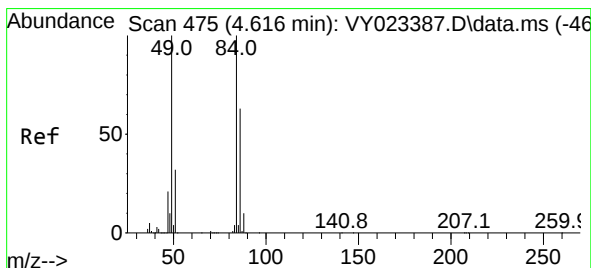
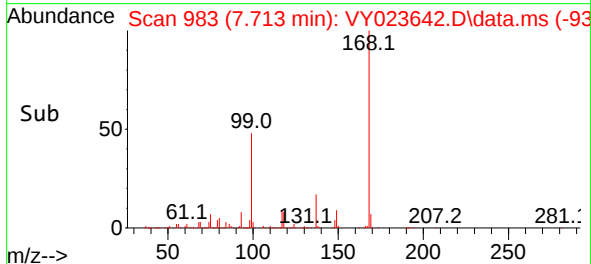
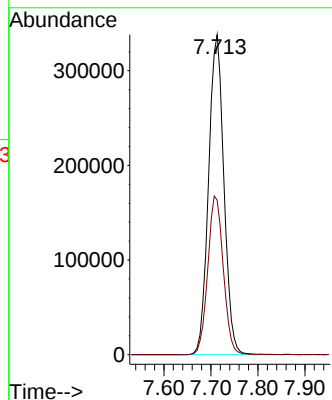
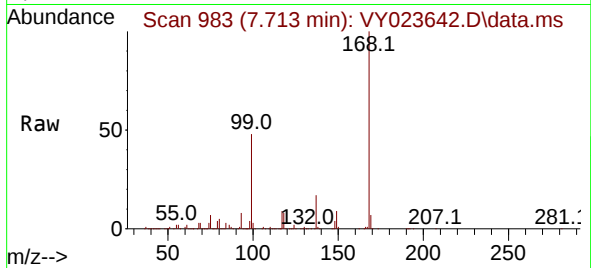




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023642.D
Acq: 31 Oct 2025 12:01

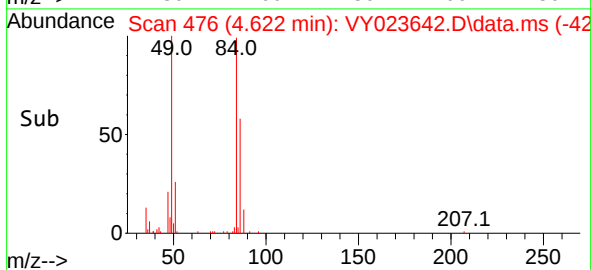
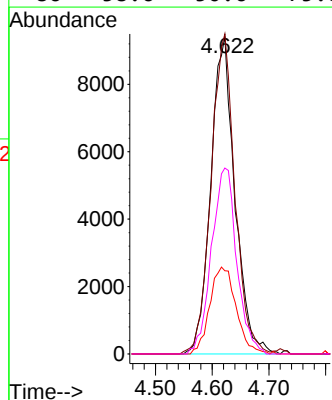
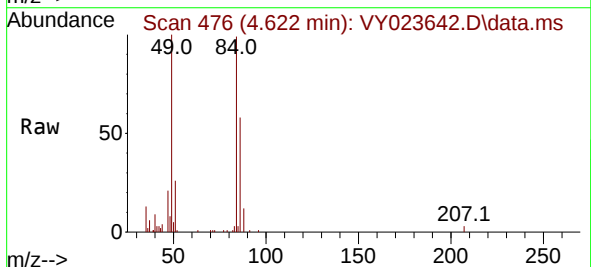
Instrument :
MSVOA_Y
ClientSampleId :
72-11986

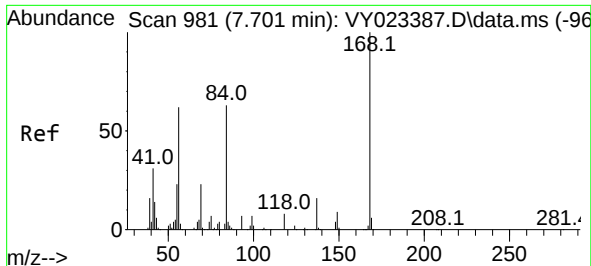
Tgt Ion:168 Resp: 763429
Ion Ratio Lower Upper
168 100
99 48.2 39.7 59.5



#20
Methylene Chloride
Concen: 3.376 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023642.D
Acq: 31 Oct 2025 12:01

Tgt Ion: 84 Resp: 27747
Ion Ratio Lower Upper
84 100
49 100.8 80.2 120.4
51 26.2 25.9 38.9
86 58.6 50.6 75.8

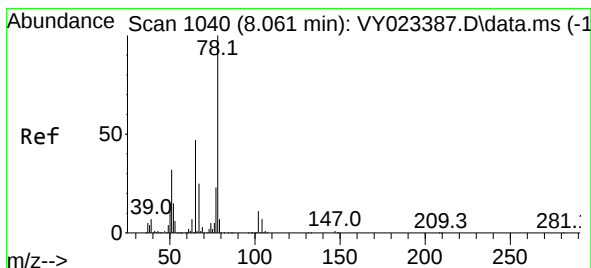
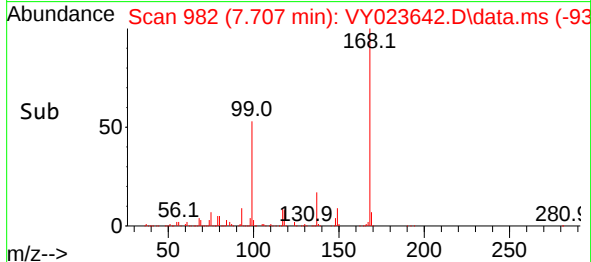
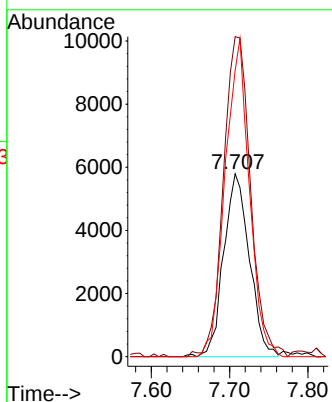
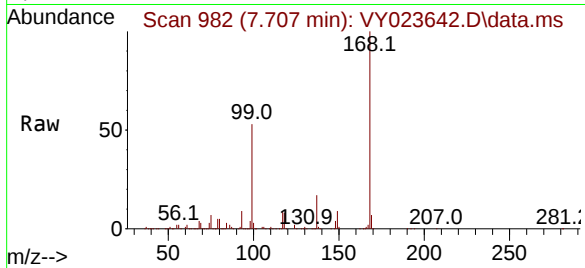




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023642.D
Acq: 31 Oct 2025 12:01

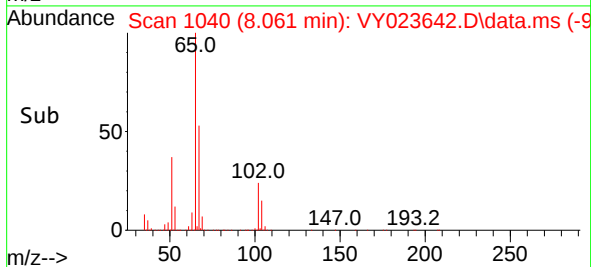
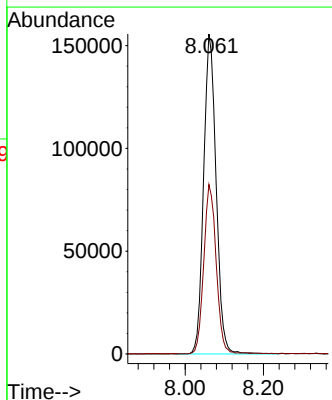
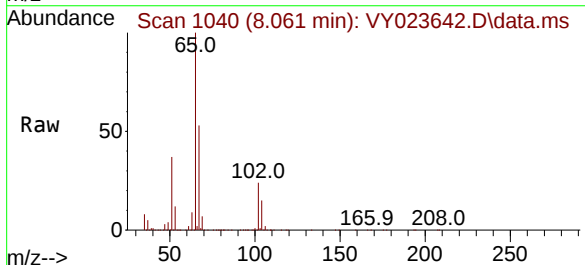
Instrument :
MSVOA_Y
ClientSampleId :
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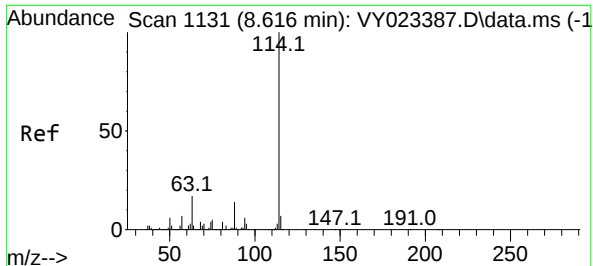
Tgt Ion: 56 Resp: 13209
Ion Ratio Lower Upper
56 100
69 175.0 30.0 45.0#
84 156.5 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 53.871 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023642.D
Acq: 31 Oct 2025 12:01

Tgt Ion: 65 Resp: 343910
Ion Ratio Lower Upper
65 100
67 52.3 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: VY023642.D

Acq: 31 Oct 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

72-11986

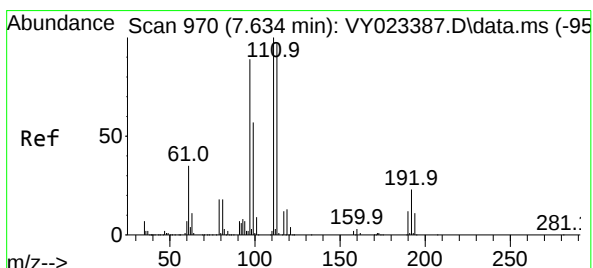
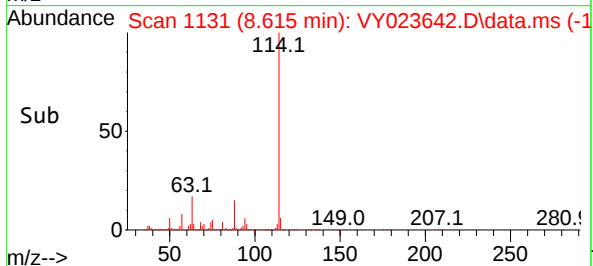
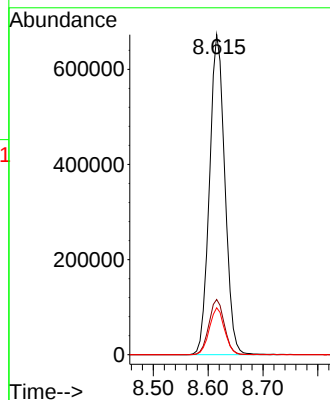
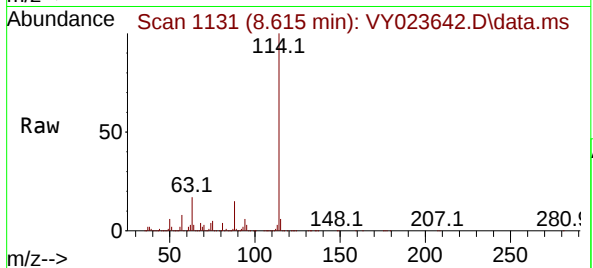
Tgt Ion:114 Resp: 1305458

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.2

88 14.6 0.0 28.4



#35

Dibromofluoromethane

Concen: 48.958 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023642.D

Acq: 31 Oct 2025 12:01

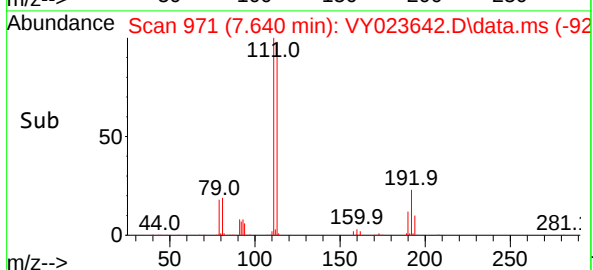
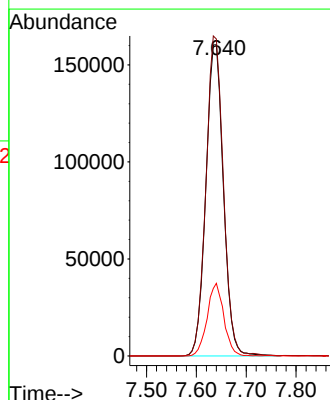
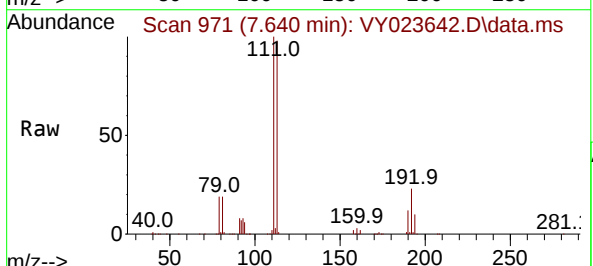
Tgt Ion:113 Resp: 392715

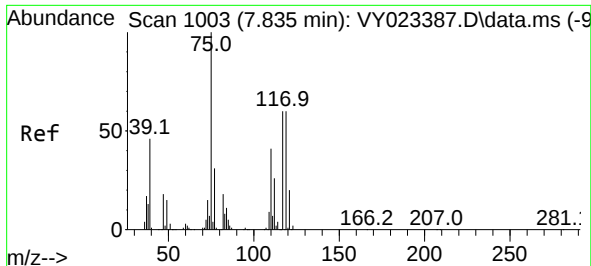
Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

192 22.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.842 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023642.D

Acq: 31 Oct 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

72-11986

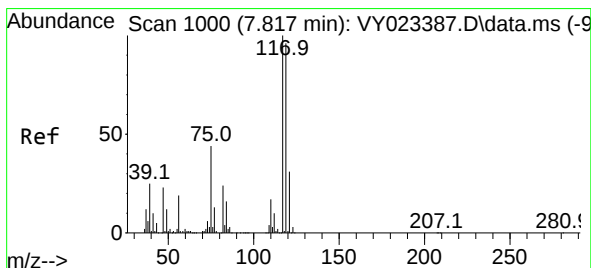
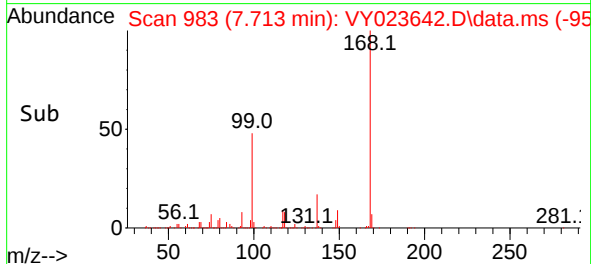
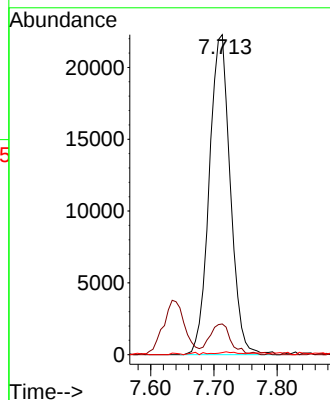
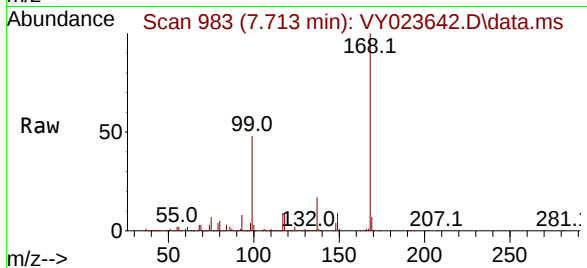
Tgt Ion: 75 Resp: 51423

Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.7#

77 0.4 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.481 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023642.D

Acq: 31 Oct 2025 12:01

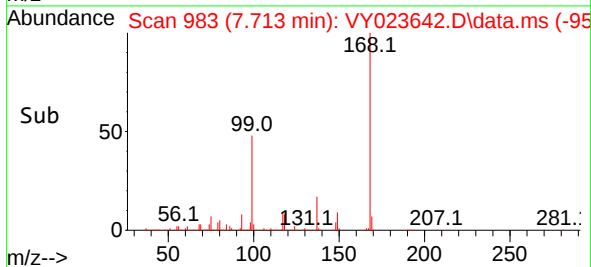
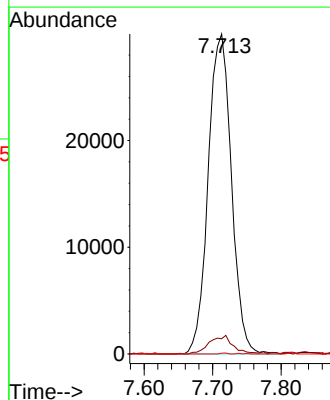
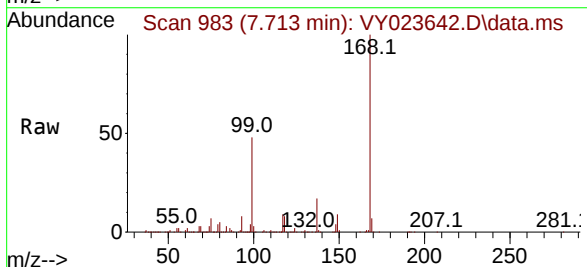
Tgt Ion: 117 Resp: 70581

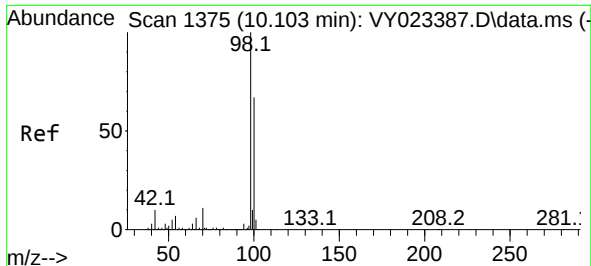
Ion Ratio Lower Upper

117 100

119 4.6 76.8 115.2#

121 0.2 24.5 36.7#

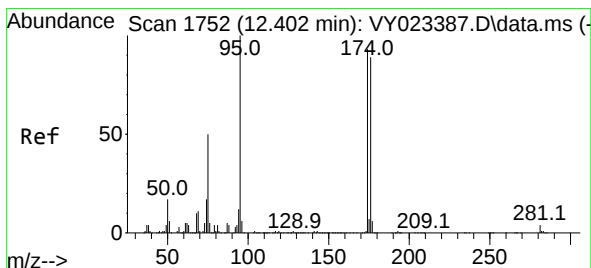
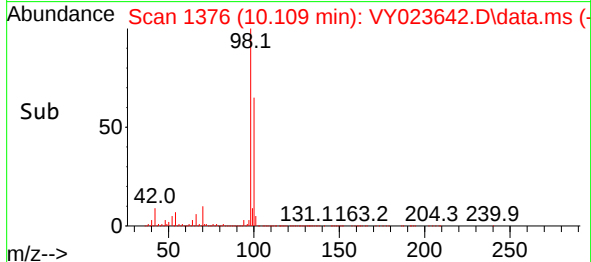
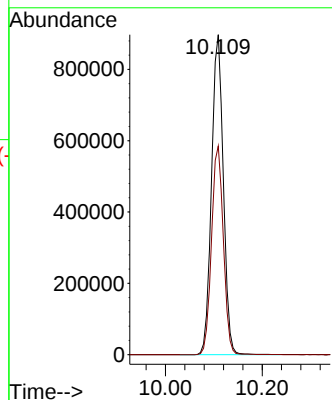
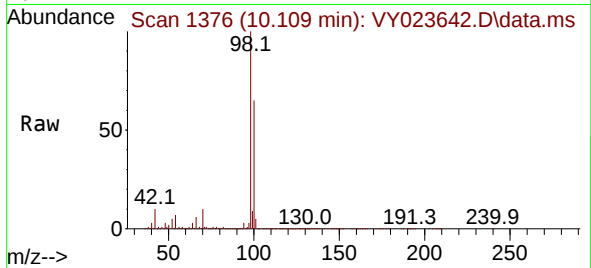




#50
Toluene-d8
Concen: 50.695 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023642.D
Acq: 31 Oct 2025 12:01

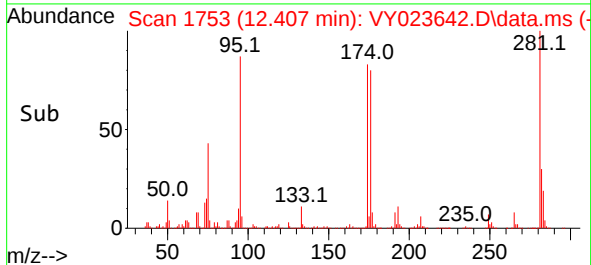
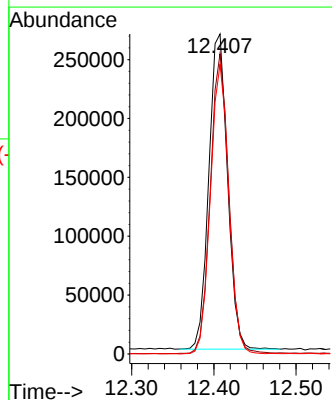
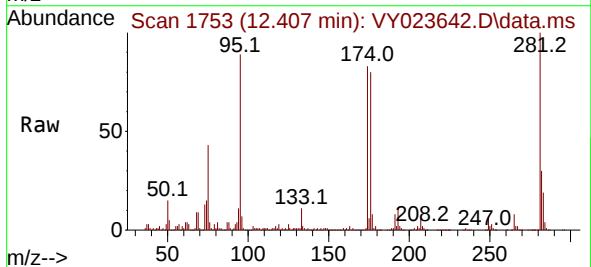
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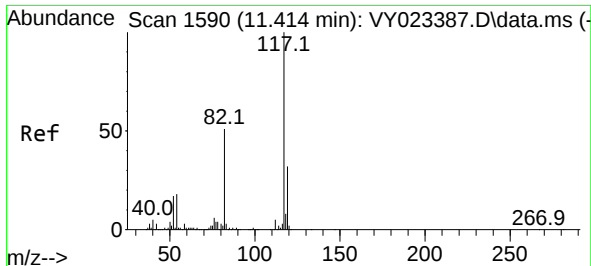
Tgt Ion: 98 Resp: 1514392
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.929 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023642.D
Acq: 31 Oct 2025 12:01

Tgt Ion: 95 Resp: 423382
Ion Ratio Lower Upper
95 100
174 94.1 0.0 192.8
176 90.2 0.0 187.6

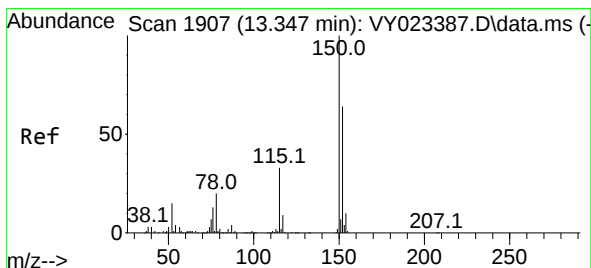
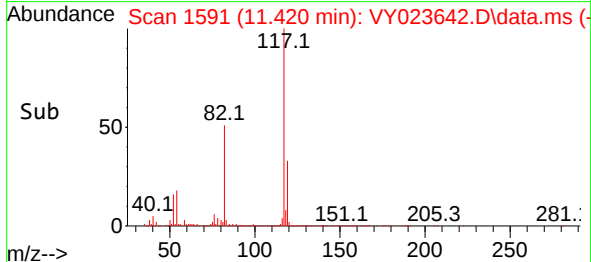
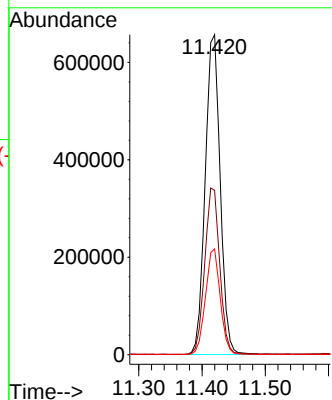
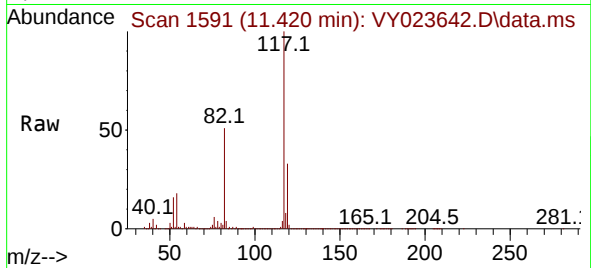




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023642.D
Acq: 31 Oct 2025 12:01

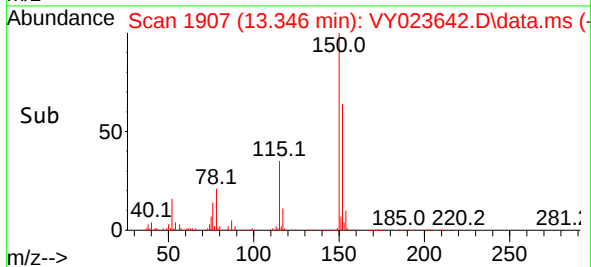
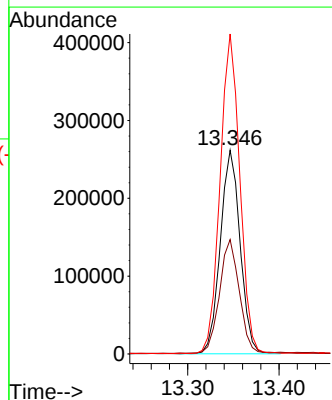
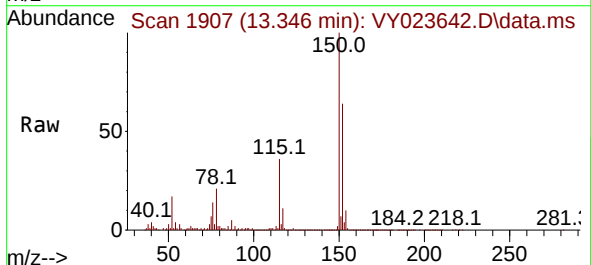
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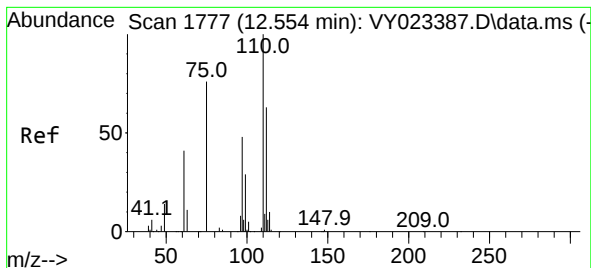
Tgt Ion:117 Resp: 1084859
Ion Ratio Lower Upper
117 100
82 51.2 41.0 61.4
119 33.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023642.D
Acq: 31 Oct 2025 12:01

Tgt Ion:152 Resp: 395229
Ion Ratio Lower Upper
152 100
115 56.1 27.1 81.2
150 155.5 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 61.558 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023642.D

Acq: 31 Oct 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

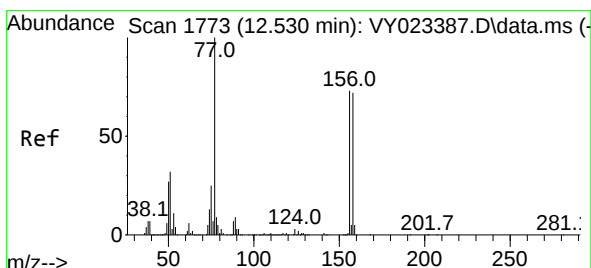
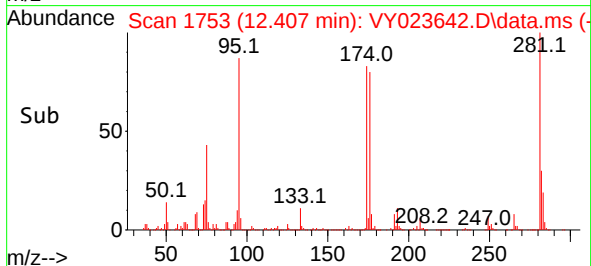
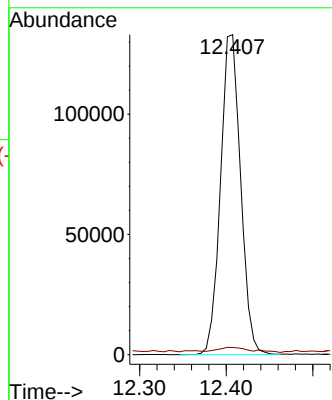
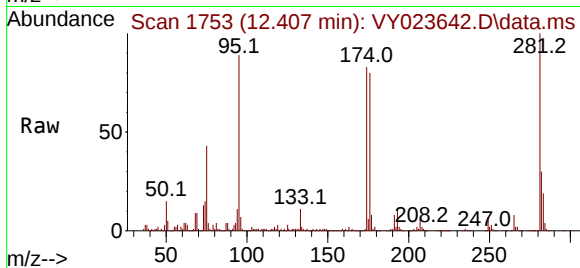
72-11986

Tgt Ion: 75 Resp: 214652

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#77

Bromobenzene

Concen: 6.795 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. 0.073 min

Lab File: VY023642.D

Acq: 31 Oct 2025 12:01

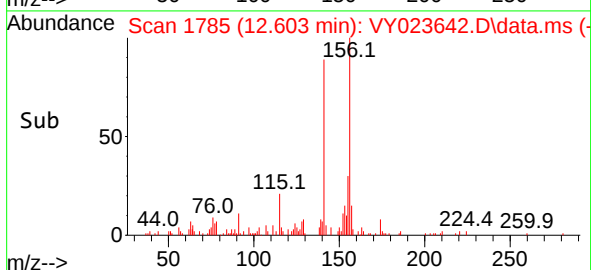
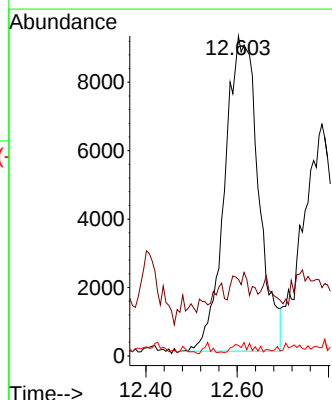
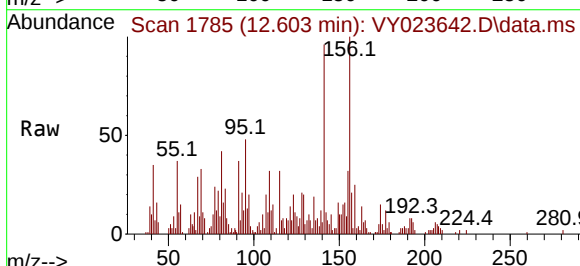
Tgt Ion: 156 Resp: 47052

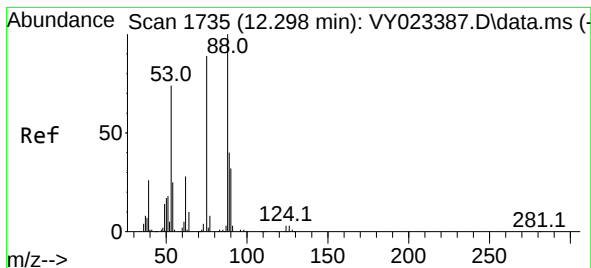
Ion Ratio Lower Upper

156 100

77 2.2 76.8 230.5#

158 0.7 49.0 147.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.953 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023642.D
 Acq: 31 Oct 2025 12:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11986

Tgt Ion: 75 Resp: 214652
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 102.8#
 89 1.7 39.0 58.4#

