

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023518.D
 Acq On : 20 Oct 2025 18:56
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 21 04:03:27 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)

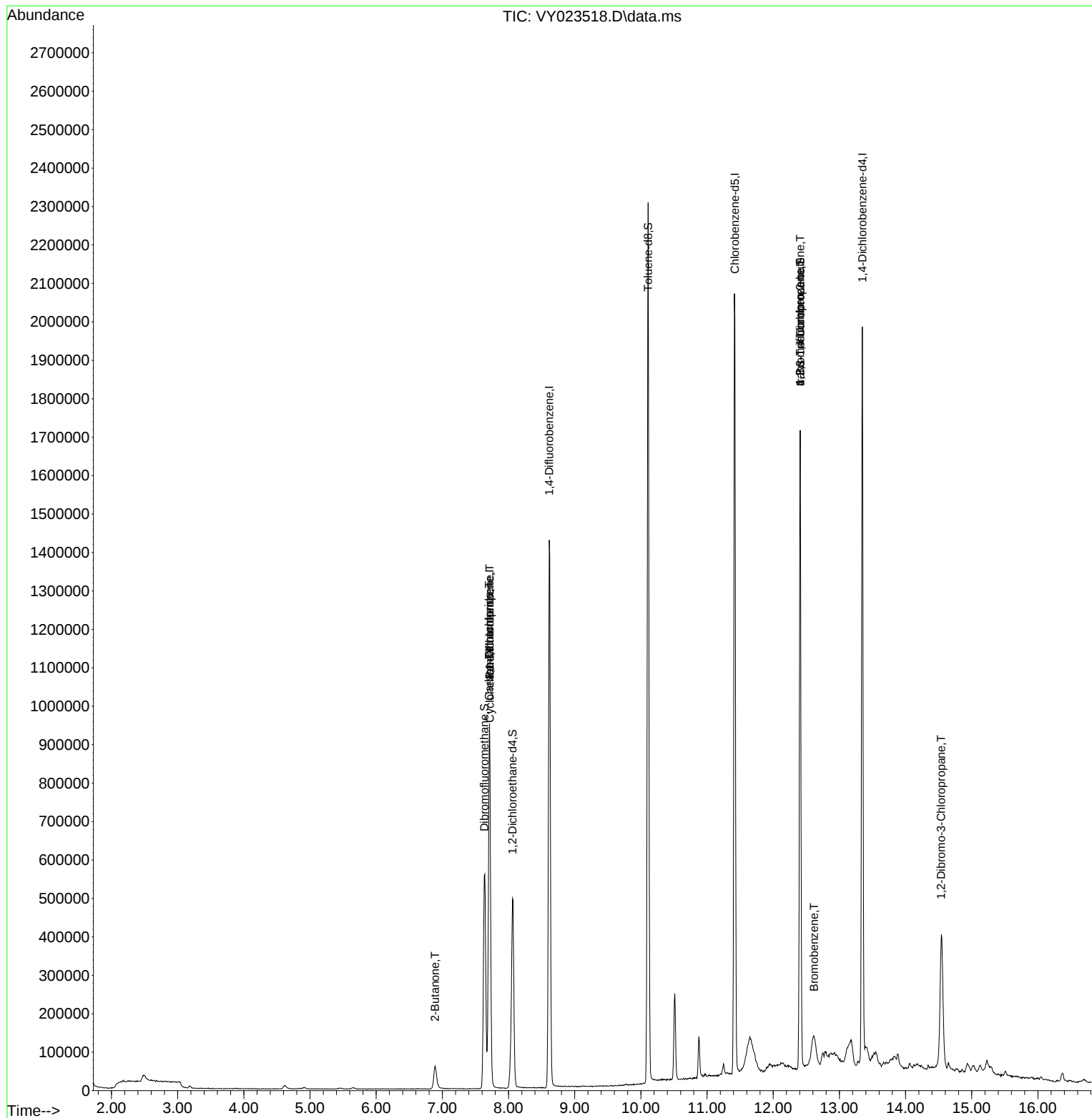
Internal Standards						
1) Pentafluorobenzene	7.713	168	794614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1315895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1178868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	525023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	344405	51.832	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.660%	
35) Dibromofluoromethane	7.634	113	412866	51.062	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.120%	
50) Toluene-d8	10.109	98	1522986	50.578	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.160%	
62) 4-Bromofluorobenzene	12.408	95	474970	47.778	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.560%	
Target Compounds						
					Qvalue	
25) 2-Butanone	6.890	43	3293	1.705	ug/l #	72
31) Cyclohexane	7.719	56	13787	1.247	ug/l #	32
36) 1,1-Dichloropropene	7.713	75	51157	4.779	ug/l #	48
38) Carbon Tetrachloride	7.707	117	71399	5.501	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	228810	49.397	ug/l #	100
77) Bromobenzene	12.615	156	87780	9.543	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.408	75	228810	121.130	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.535	75	10055	10.829	ug/l #	1

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

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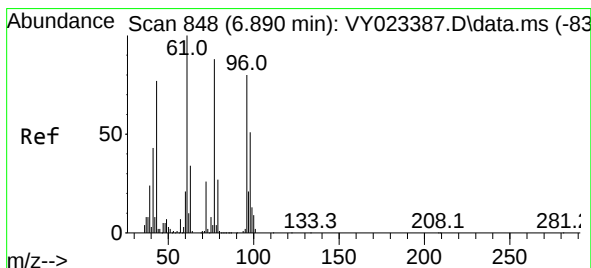
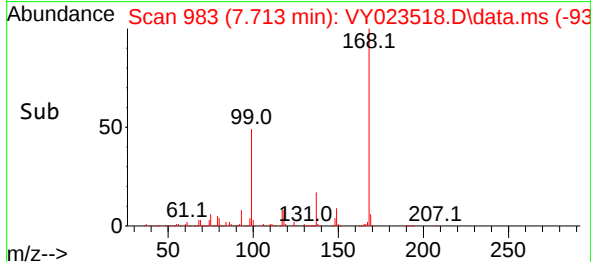
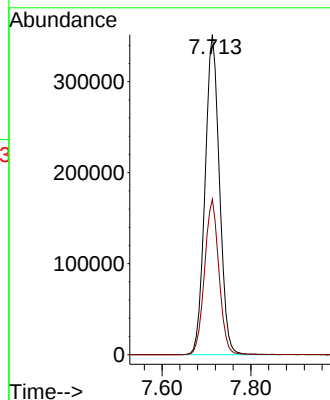
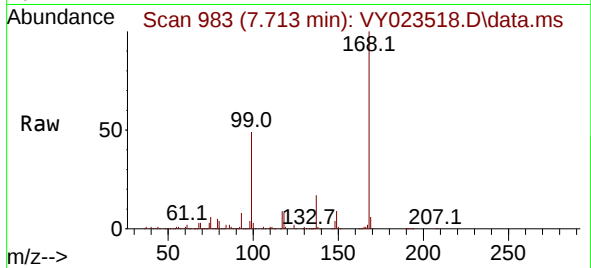




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023518.D
Acq: 20 Oct 2025 18:56

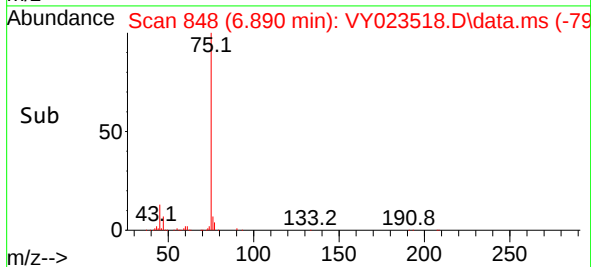
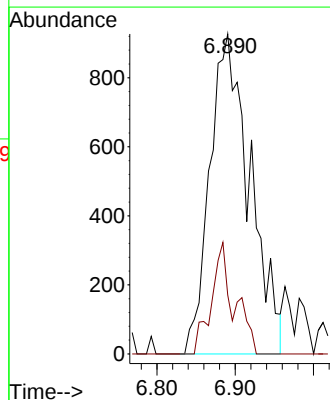
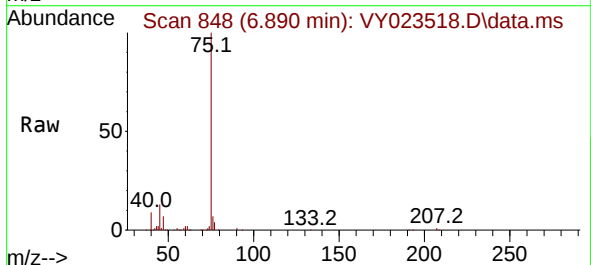
Instrument :
MSVOA_Y
ClientSampleId :

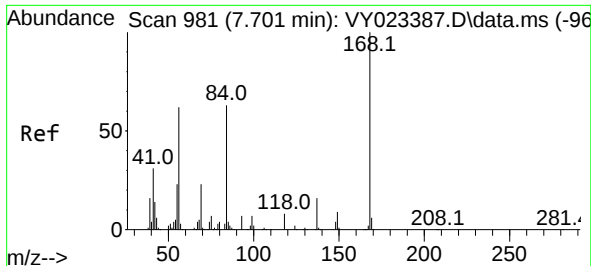
Tgt Ion:168 Resp: 794614
Ion Ratio Lower Upper
168 100
99 48.6 39.7 59.5



#25
2-Butanone
Concen: 1.705 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY023518.D
Acq: 20 Oct 2025 18:56

Tgt Ion: 43 Resp: 3293
Ion Ratio Lower Upper
43 100
72 18.4 27.4 41.2#

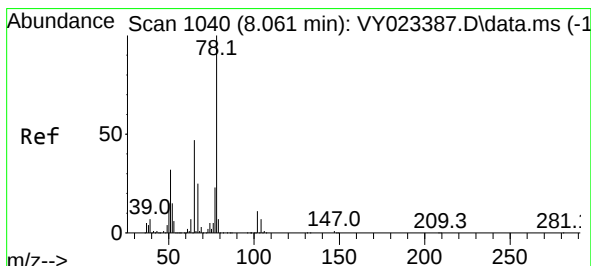
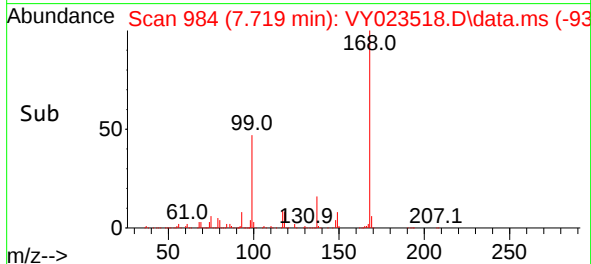
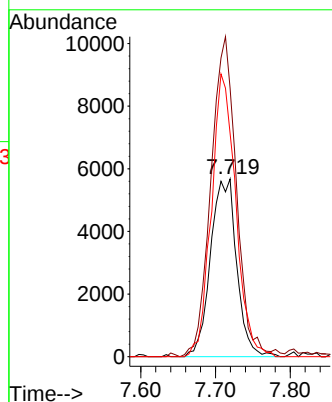
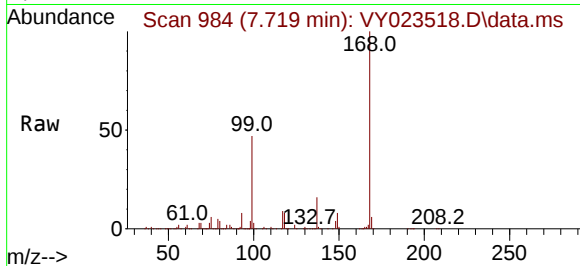




#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.719 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY023518.D
Acq: 20 Oct 2025 18:56

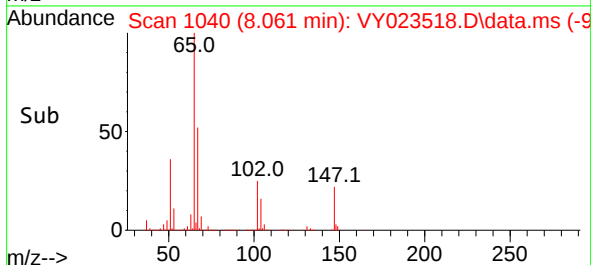
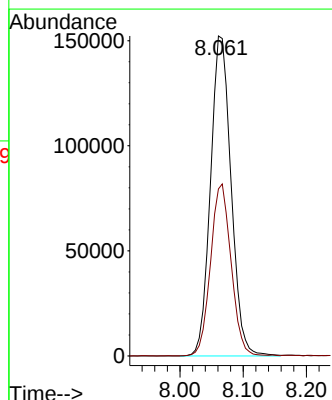
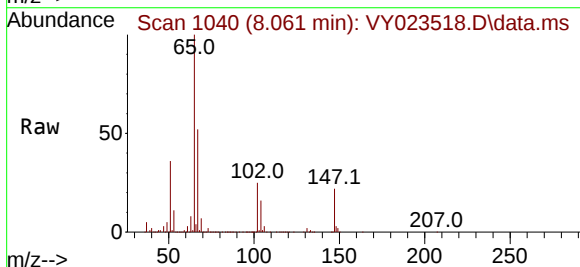
Instrument :
MSVOA_Y
ClientSampleId :

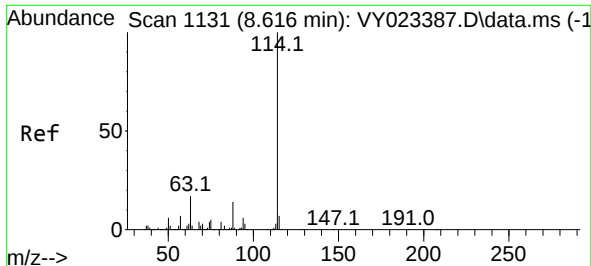
Tgt Ion: 56 Resp: 13787
Ion Ratio Lower Upper
56 100
69 150.9 30.0 45.0#
84 125.4 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 51.832 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023518.D
Acq: 20 Oct 2025 18:56

Tgt Ion: 65 Resp: 344405
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

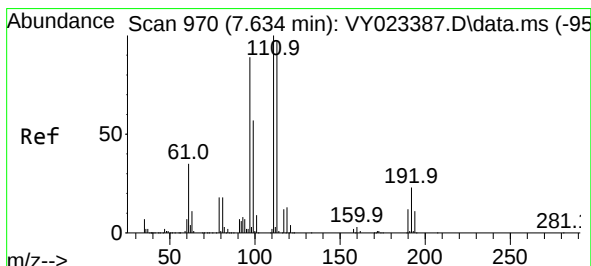
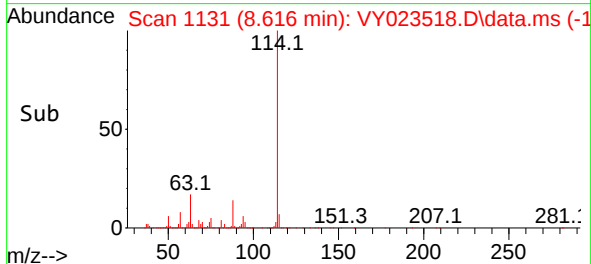
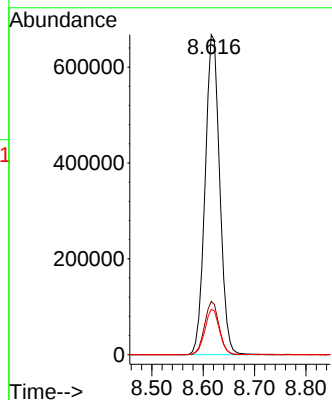
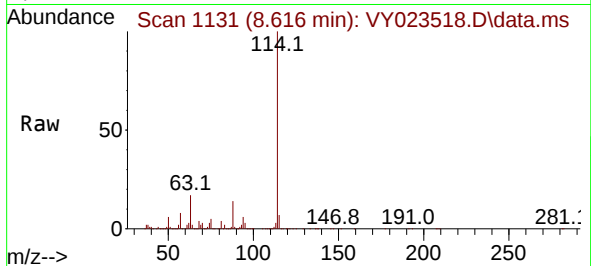




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023518.D
Acq: 20 Oct 2025 18:56

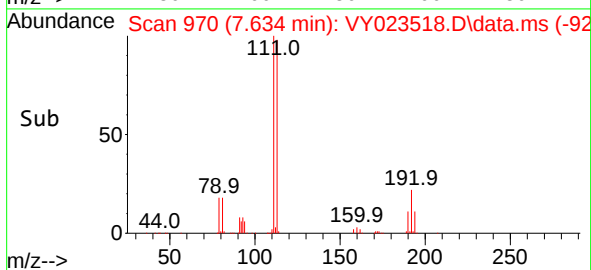
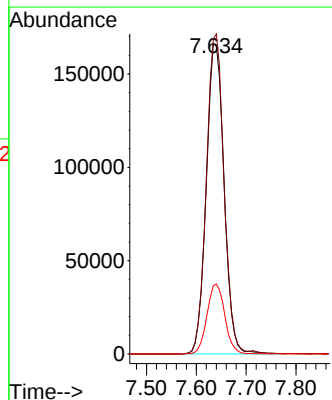
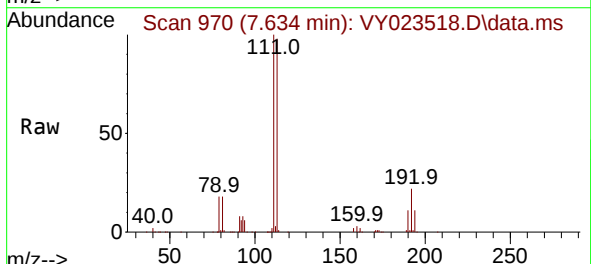
Instrument :
MSVOA_Y
ClientSampleId :

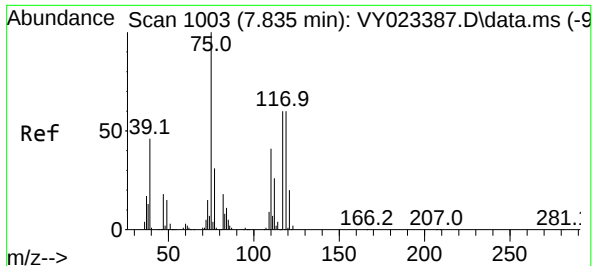
Tgt Ion:114 Resp: 1315895
Ion Ratio Lower Upper
114 100
63 16.6 0.0 34.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.062 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023518.D
Acq: 20 Oct 2025 18:56

Tgt Ion:113 Resp: 412866
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 22.6 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.779 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023518.D

Acq: 20 Oct 2025 18:56

Instrument :

MSVOA_Y

ClientSampleId :

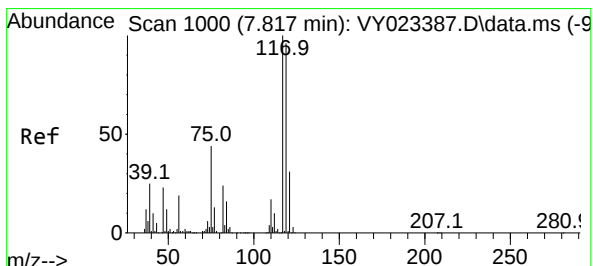
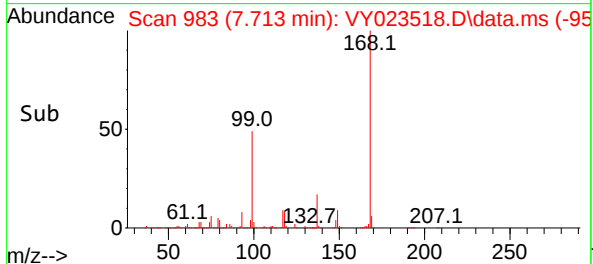
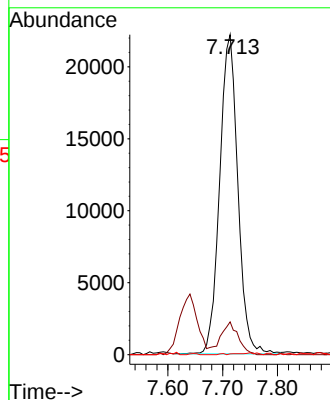
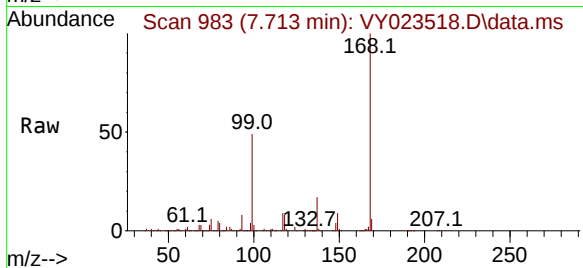
Tgt Ion: 75 Resp: 51157

Ion Ratio Lower Upper

75 100

110 9.8 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.501 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023518.D

Acq: 20 Oct 2025 18:56

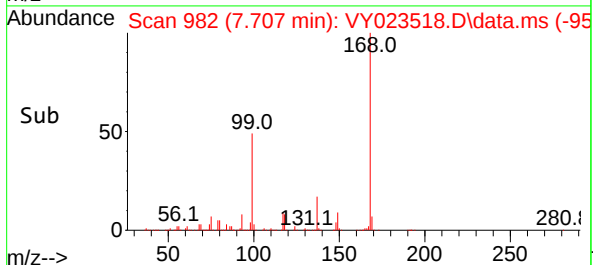
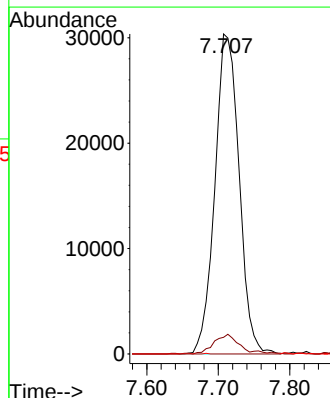
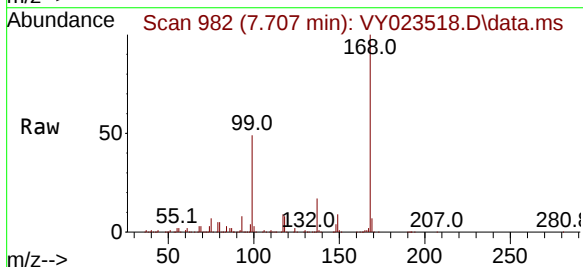
Tgt Ion: 117 Resp: 71399

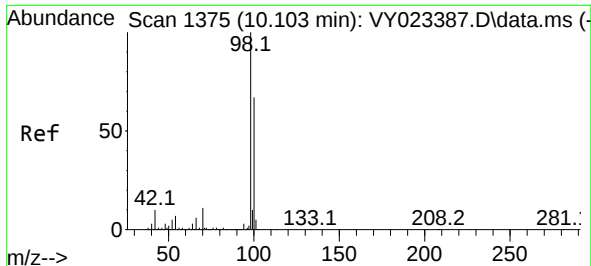
Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

121 0.0 24.5 36.7#

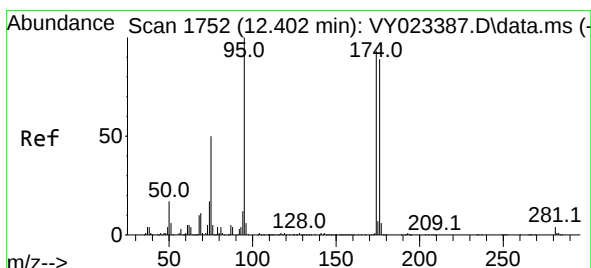
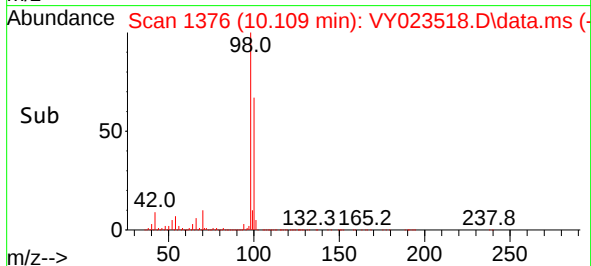
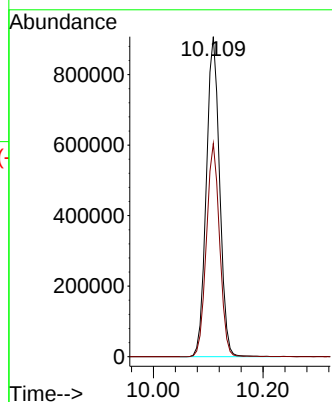
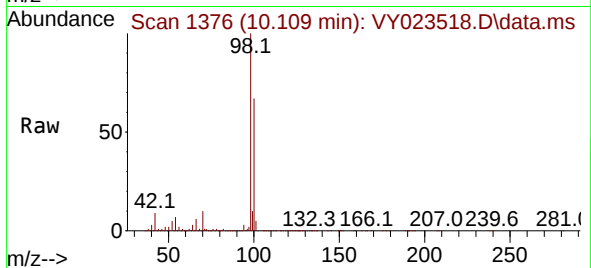




#50
Toluene-d8
Concen: 50.578 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023518.D
Acq: 20 Oct 2025 18:56

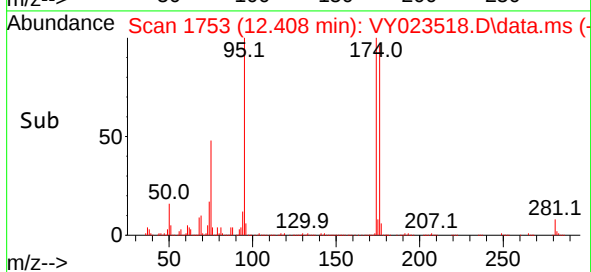
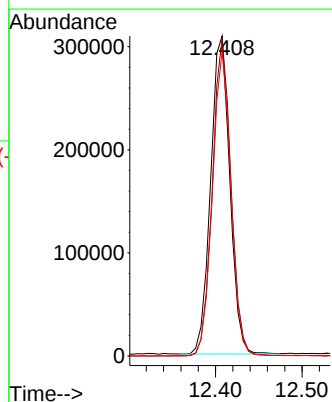
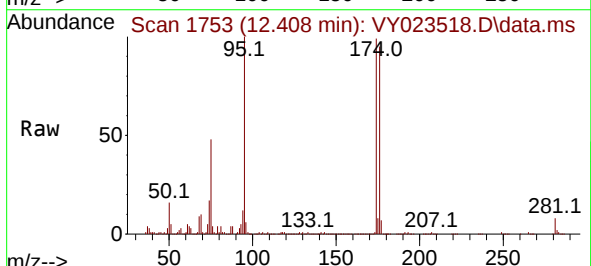
Instrument :
MSVOA_Y
ClientSampleId :

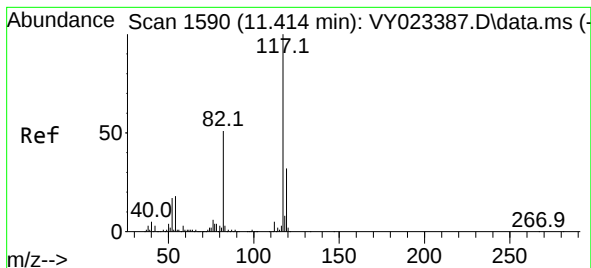
Tgt Ion: 98 Resp: 1522986
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 47.778 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023518.D
Acq: 20 Oct 2025 18:56

Tgt Ion: 95 Resp: 474970
Ion Ratio Lower Upper
95 100
174 96.8 0.0 192.8
176 92.9 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: VY023518.D

Acq: 20 Oct 2025 18:56

Instrument :

MSVOA_Y

ClientSampleId :

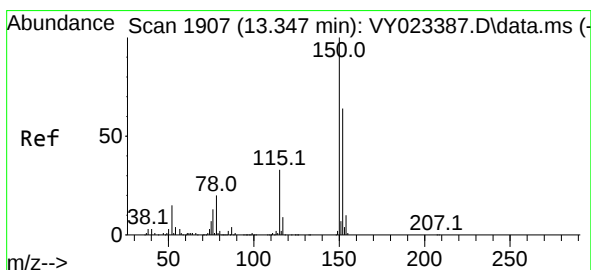
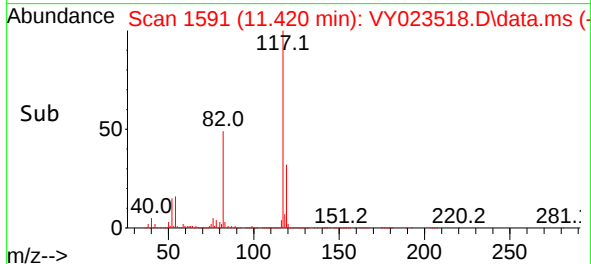
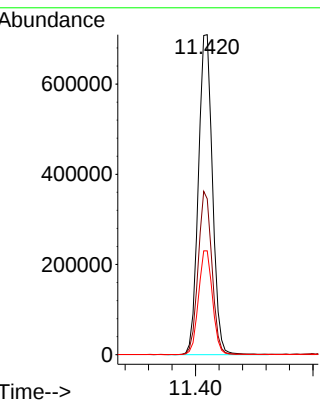
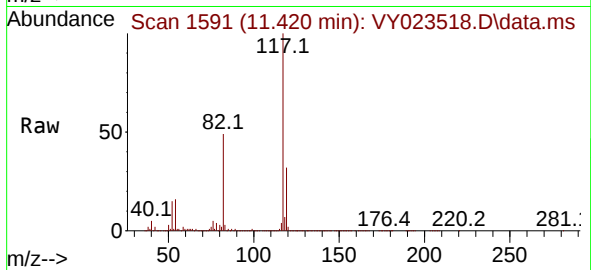
Tgt Ion:117 Resp: 1178868

Ion Ratio Lower Upper

117 100

82 48.6 41.0 61.4

119 32.4 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: VY023518.D

Acq: 20 Oct 2025 18:56

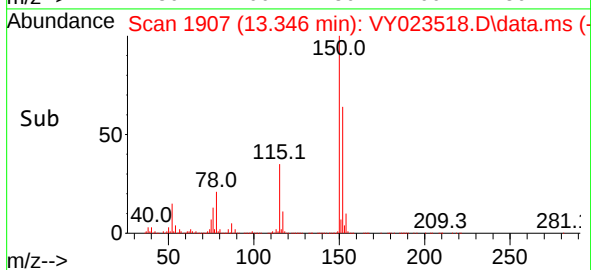
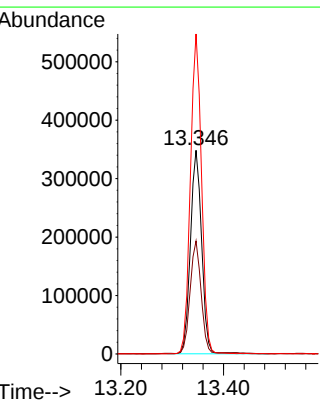
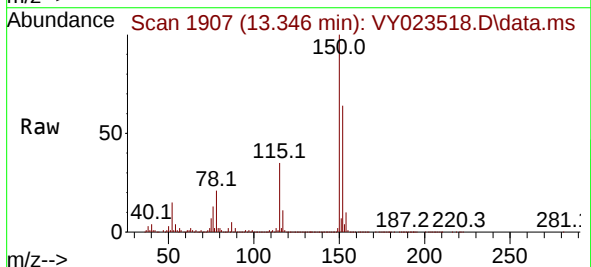
Tgt Ion:152 Resp: 525023

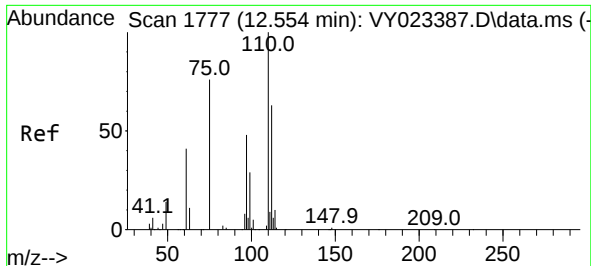
Ion Ratio Lower Upper

152 100

115 54.1 27.1 81.2

150 155.9 0.0 347.4

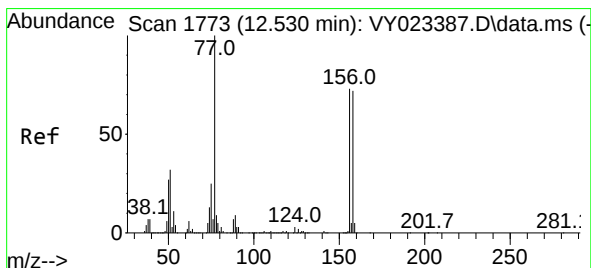
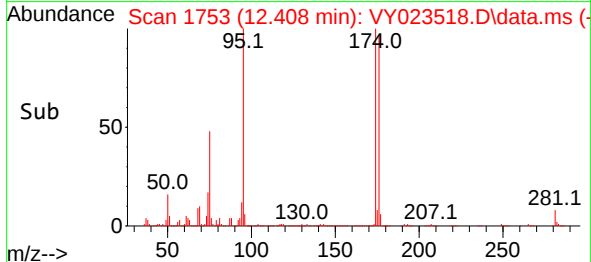
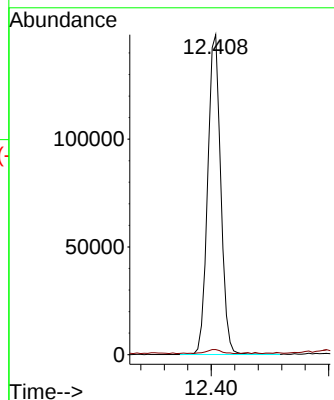
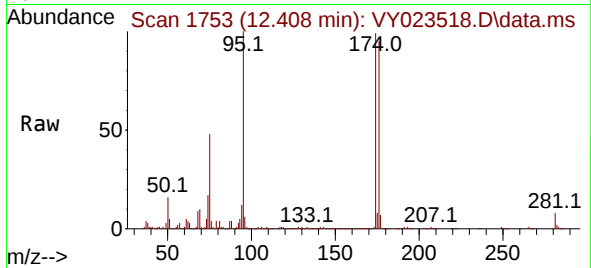




#76
1,2,3-Trichloropropane
Concen: 49.397 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY023518.D
Acq: 20 Oct 2025 18:56

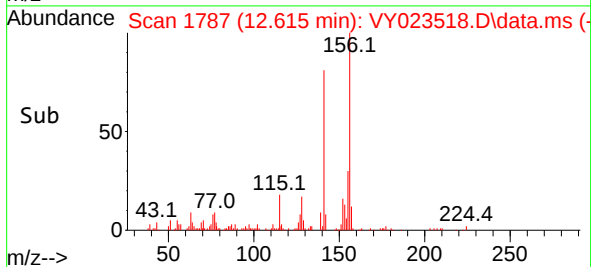
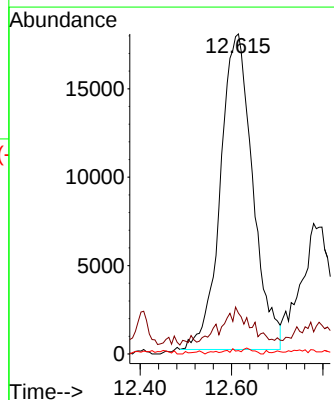
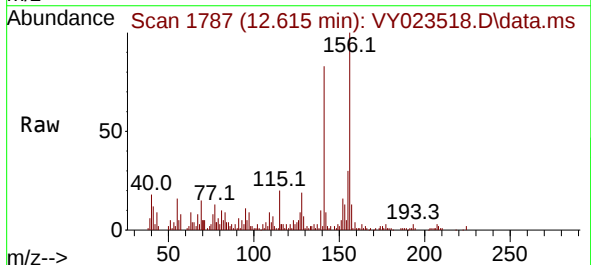
Instrument :
MSVOA_Y
ClientSampleId :

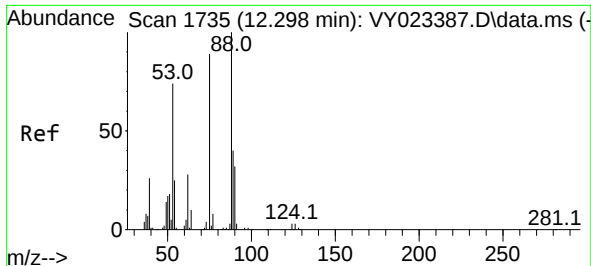
Tgt Ion: 75 Resp: 228810
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#77
Bromobenzene
Concen: 9.543 ug/l
RT: 12.615 min Scan# 1787
Delta R.T. 0.085 min
Lab File: VY023518.D
Acq: 20 Oct 2025 18:56

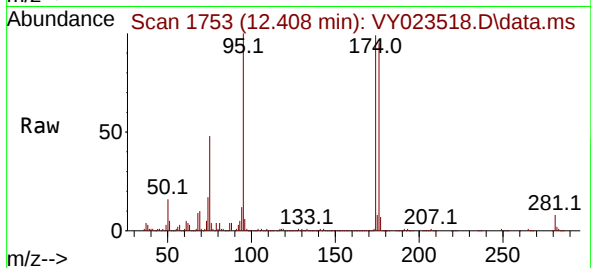
Tgt Ion:156 Resp: 87780
Ion Ratio Lower Upper
156 100
77 6.8 76.8 230.5#
158 0.2 49.0 147.2#



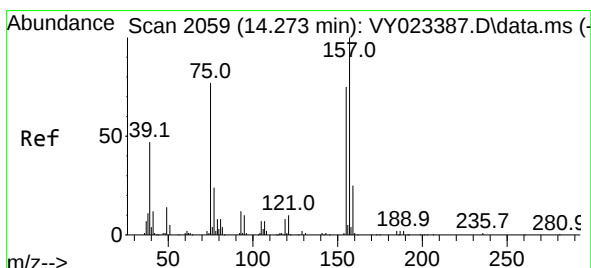
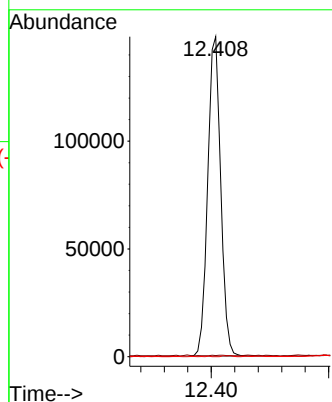
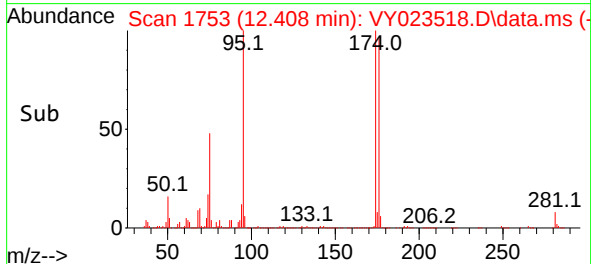


#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.130 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023518.D
 Acq: 20 Oct 2025 18:56

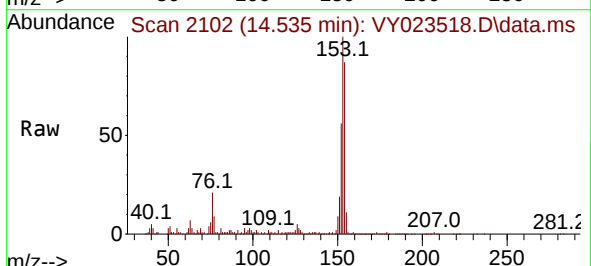
Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 228810
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.2 39.0 58.4#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.829 ug/l
 RT: 14.535 min Scan# 2102
 Delta R.T. 0.262 min
 Lab File: VY023518.D
 Acq: 20 Oct 2025 18:56



Tgt Ion: 75 Resp: 10055
 Ion Ratio Lower Upper
 75 100
 155 191.4 50.0 150.0#
 157 2.1 63.8 191.5#

