

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023461.D
 Acq On : 14 Oct 2025 14:52
 Operator : SY/MD
 Sample : Q3341-02
 Misc : 4.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-2

Quant Time: Oct 15 03:29:35 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)

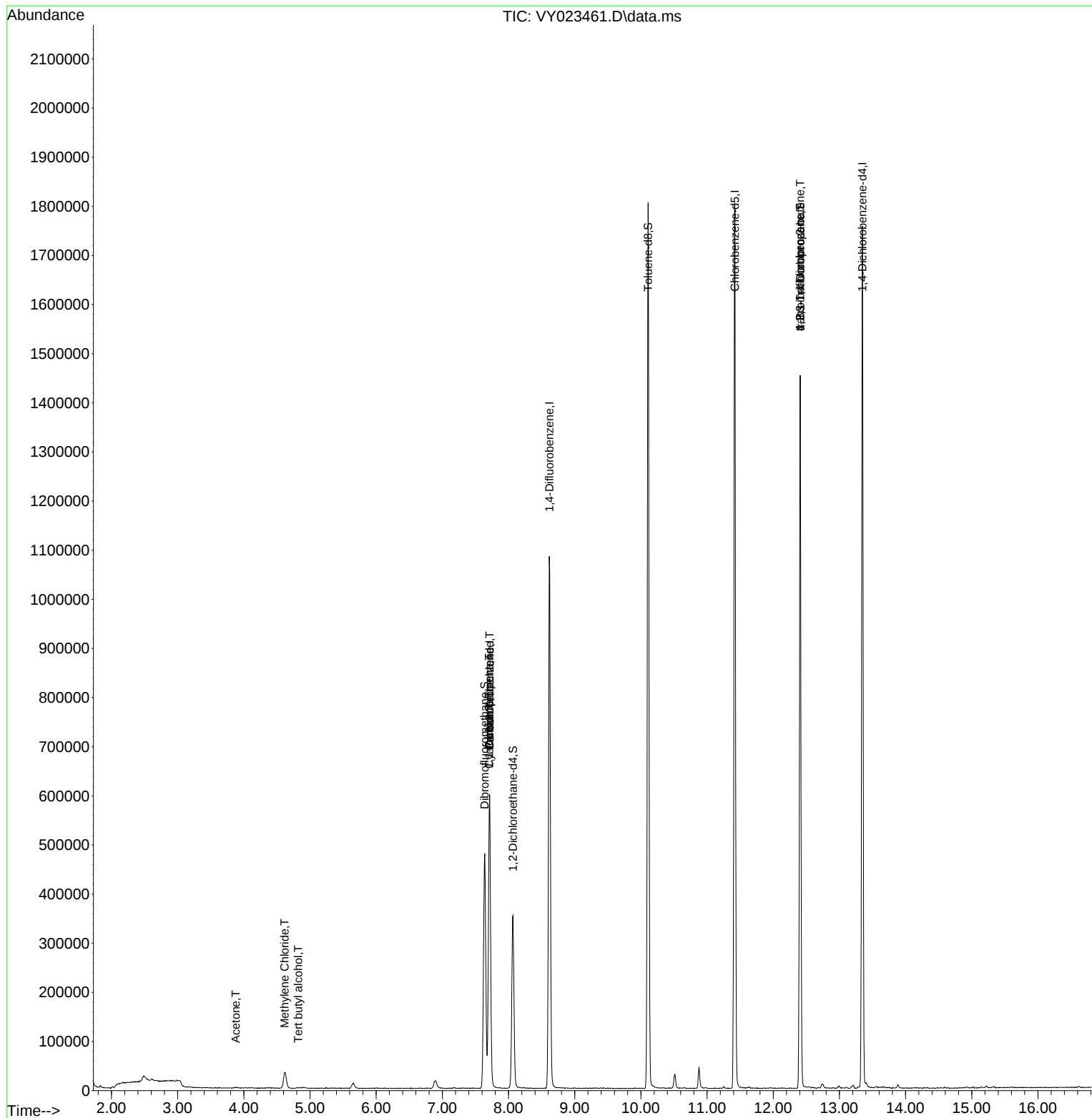
Internal Standards						
1) Pentafluorobenzene	7.713	168	494390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	985514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1038095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	461613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	276179	66.804	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.600%	
35) Dibromofluoromethane	7.640	113	341792	56.443	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.880%	
50) Toluene-d8	10.109	98	1204459	53.410	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.820%	
62) 4-Bromofluorobenzene	12.408	95	415605	55.821	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	761	2.474	ug/l #	72
16) Acetone	3.879	43	2716	2.760	ug/l #	80
20) Methylene Chloride	4.616	84	26547	4.988	ug/l	96
31) Cyclohexane	7.707	56	8420	1.224	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	32836	4.096	ug/l #	47
38) Carbon Tetrachloride	7.713	117	45175	4.647	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	202678	49.766	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	202678	122.035	ug/l #	15

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

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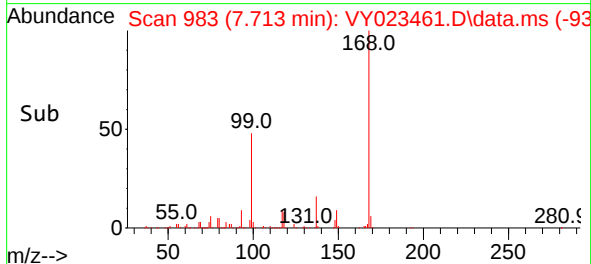
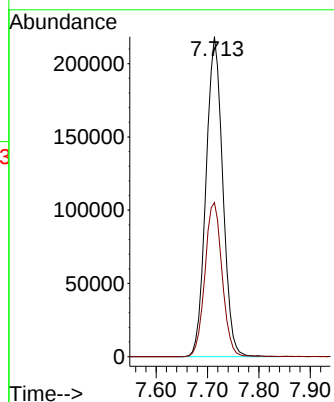
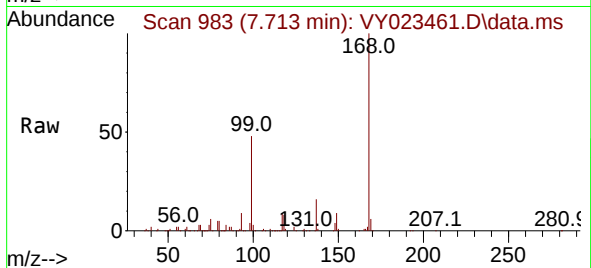




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023461.D
Acq: 14 Oct 2025 14:52

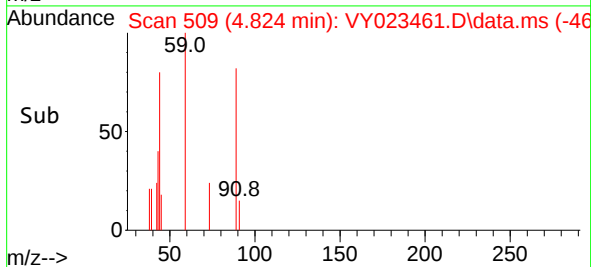
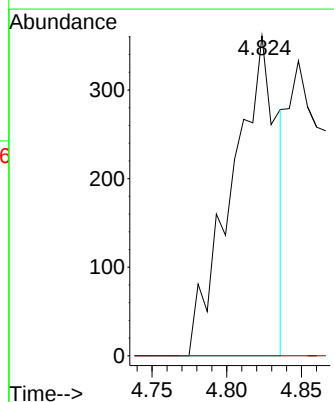
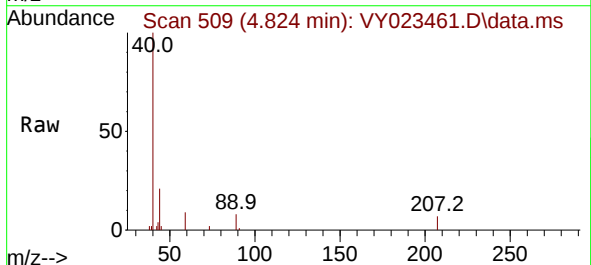
Instrument :
MSVOA_Y
ClientSampleId :
C-2

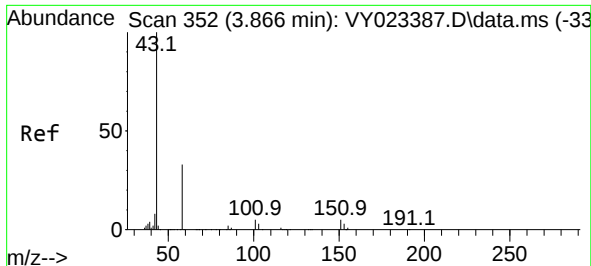
Tgt Ion:168 Resp: 494390
Ion Ratio Lower Upper
168 100
99 48.1 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.474 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023461.D
Acq: 14 Oct 2025 14:52

Tgt Ion: 59 Resp: 761
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 2.760 ug/l

RT: 3.879 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY023461.D

Acq: 14 Oct 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

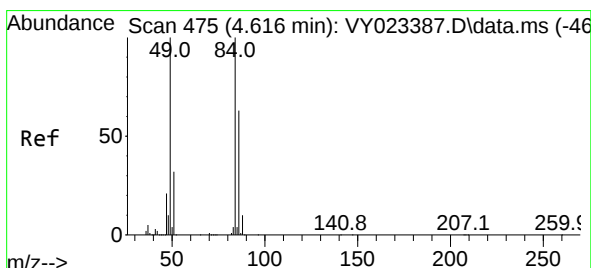
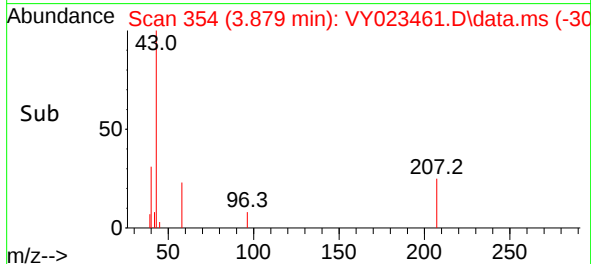
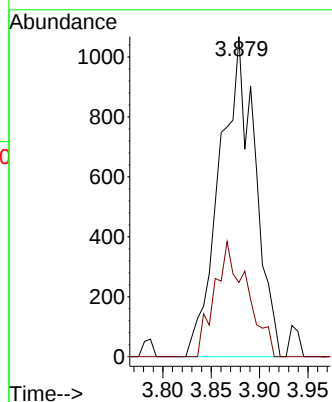
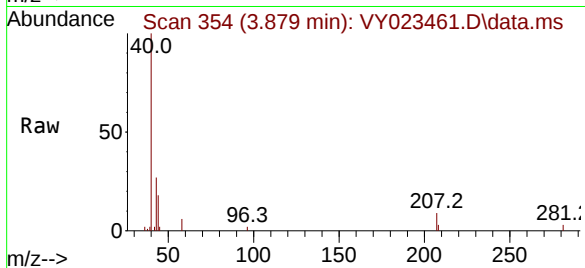
C-2

Tgt Ion: 43 Resp: 2716

Ion Ratio Lower Upper

43 100

58 23.2 27.7 41.5#



#20

Methylene Chloride

Concen: 4.988 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023461.D

Acq: 14 Oct 2025 14:52

Tgt Ion: 84 Resp: 26547

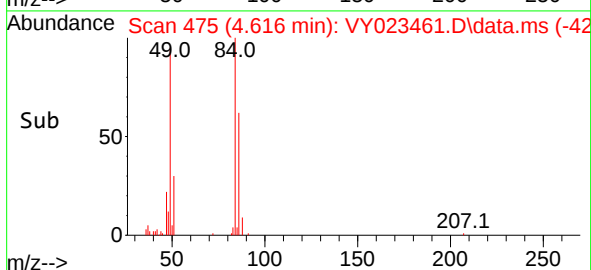
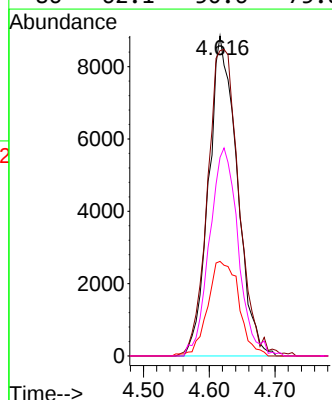
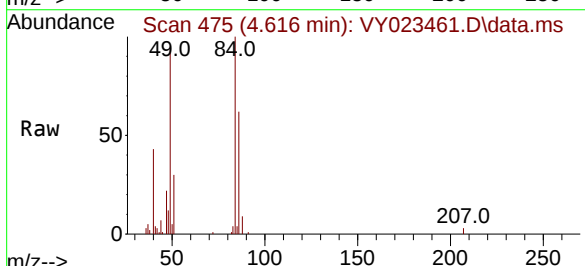
Ion Ratio Lower Upper

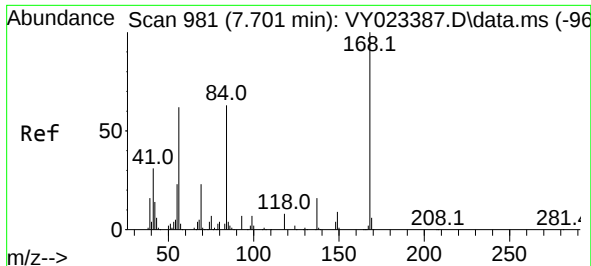
84 100

49 94.7 80.2 120.4

51 29.6 25.9 38.9

86 62.1 50.6 75.8

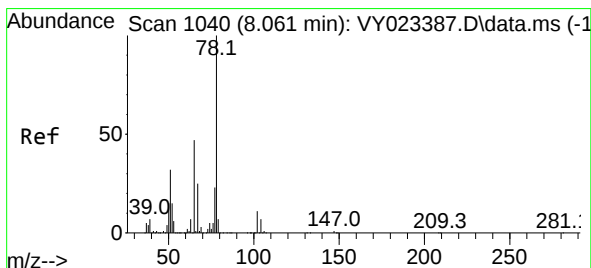
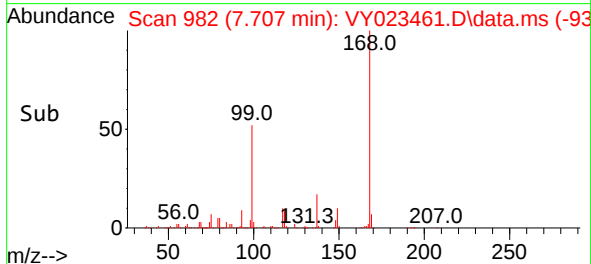
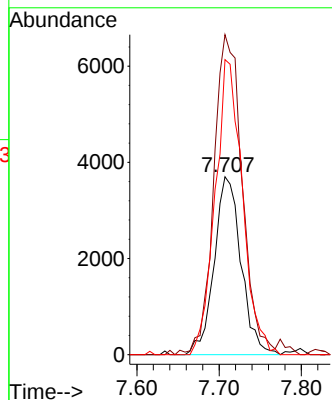
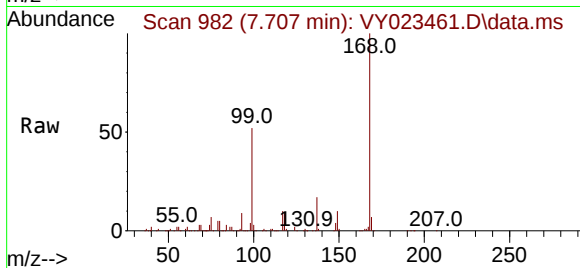




#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023461.D
Acq: 14 Oct 2025 14:52

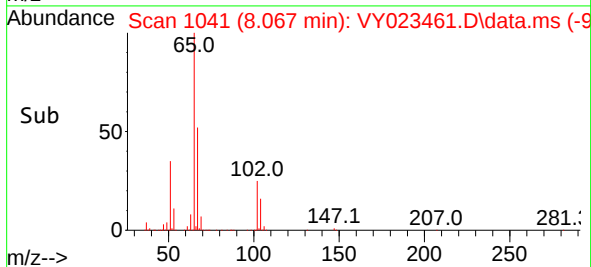
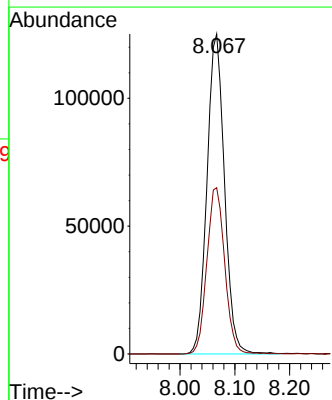
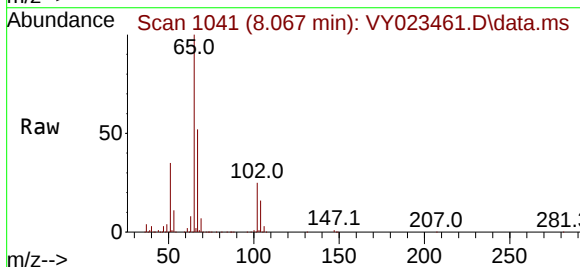
Instrument :
MSVOA_Y
ClientSampleId :
C-2

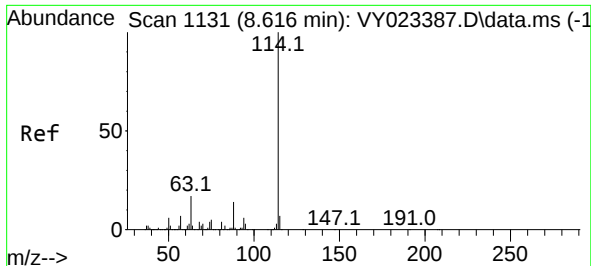
Tgt Ion: 56 Resp: 8420
Ion Ratio Lower Upper
56 100
69 177.3 30.0 45.0#
84 165.8 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 66.804 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023461.D
Acq: 14 Oct 2025 14:52

Tgt Ion: 65 Resp: 276179
Ion Ratio Lower Upper
65 100
67 53.2 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: VY023461.D

Acq: 14 Oct 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

C-2

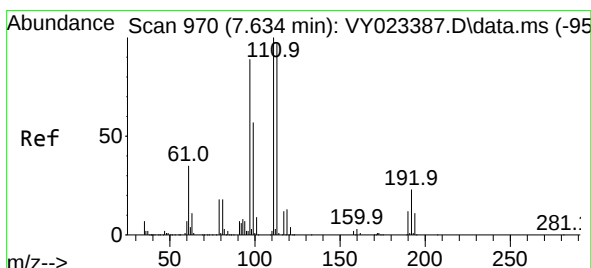
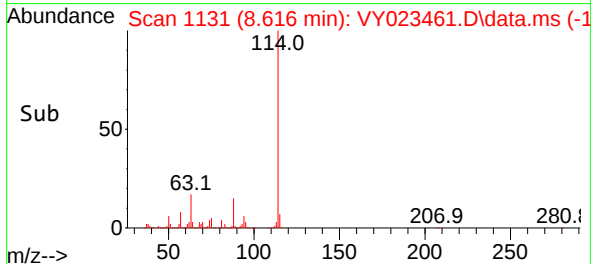
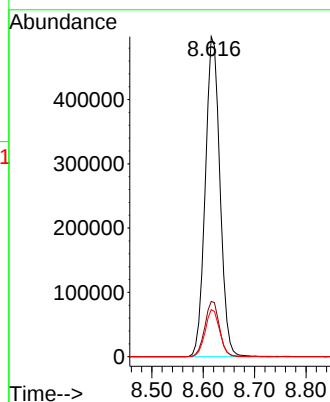
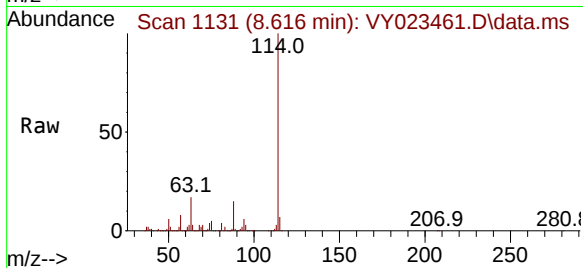
Tgt Ion:114 Resp: 985514

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.7 0.0 28.4



#35

Dibromofluoromethane

Concen: 56.443 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023461.D

Acq: 14 Oct 2025 14:52

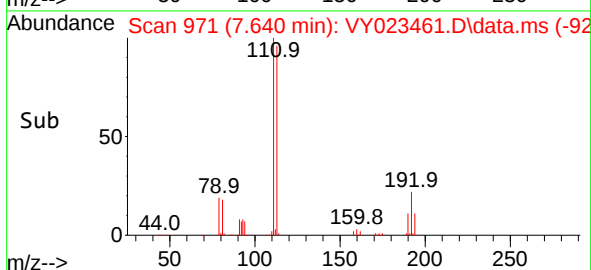
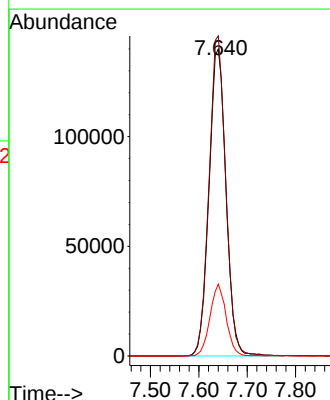
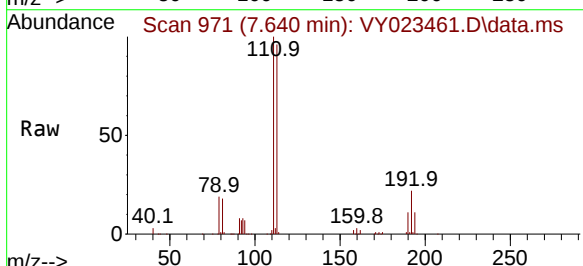
Tgt Ion:113 Resp: 341792

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.6

192 22.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.096 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023461.D

Acq: 14 Oct 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

C-2

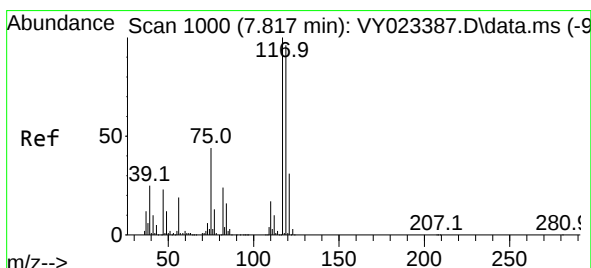
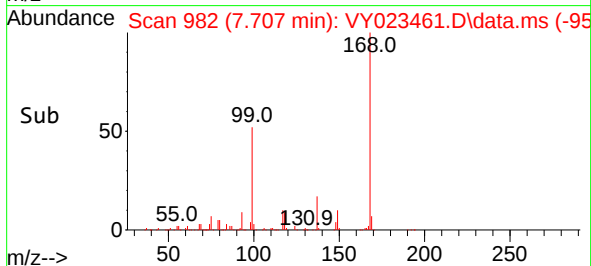
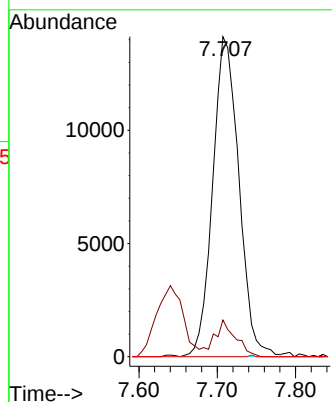
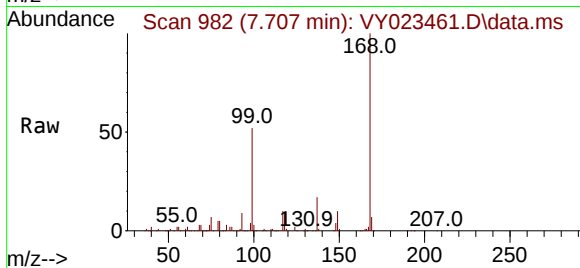
Tgt Ion: 75 Resp: 32836

Ion Ratio Lower Upper

75 100

110 9.3 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.647 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023461.D

Acq: 14 Oct 2025 14:52

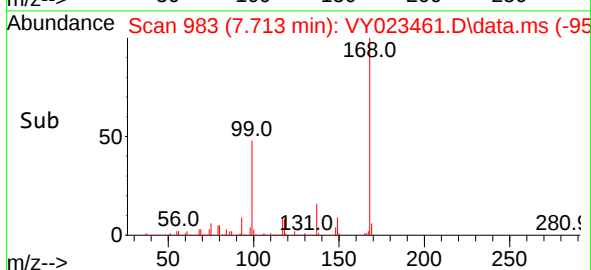
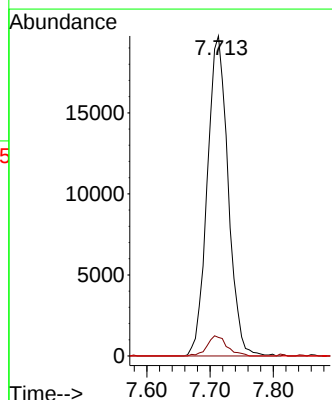
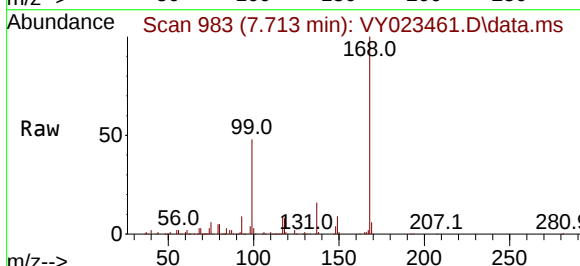
Tgt Ion: 117 Resp: 45175

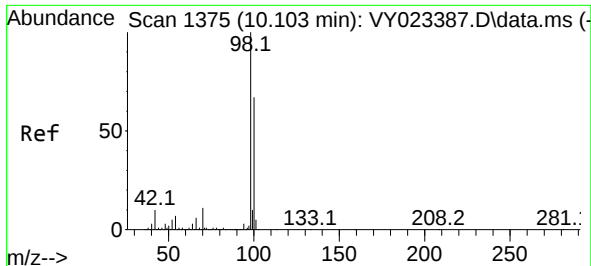
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 24.5 36.7#

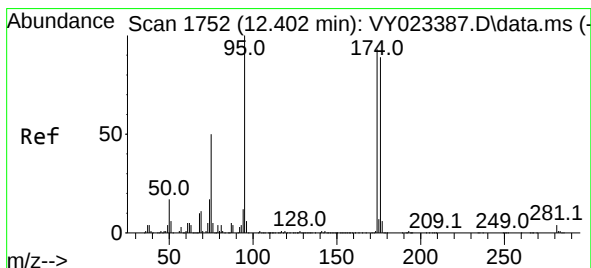
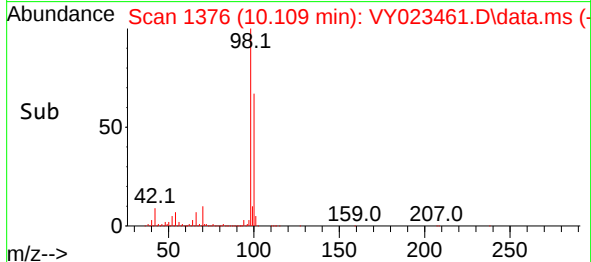
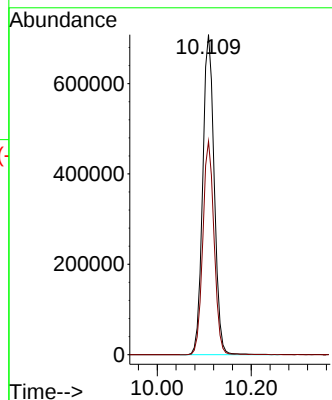
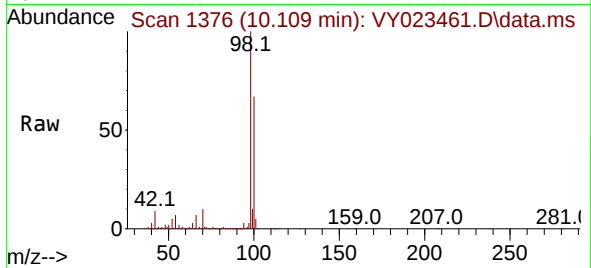




#50
Toluene-d8
Concen: 53.410 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023461.D
Acq: 14 Oct 2025 14:52

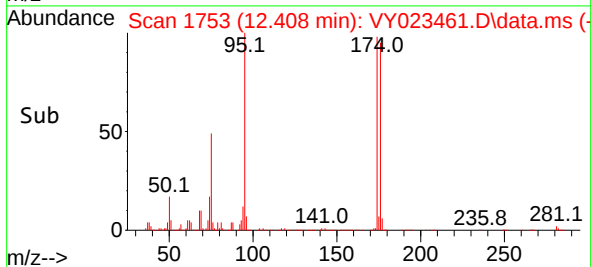
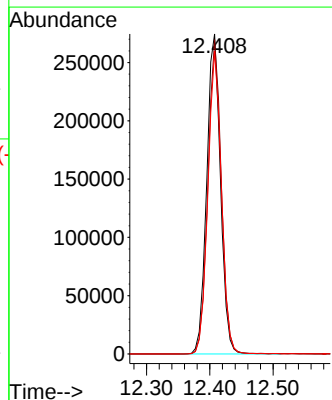
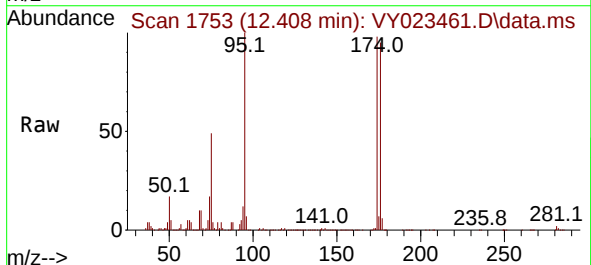
Instrument :
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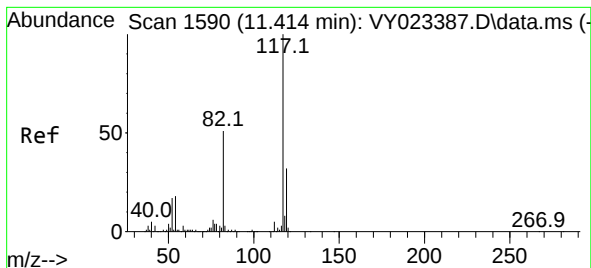
Tgt Ion: 98 Resp: 1204459
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 55.821 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023461.D
Acq: 14 Oct 2025 14:52

Tgt Ion: 95 Resp: 415605
Ion Ratio Lower Upper
95 100
174 96.3 0.0 192.8
176 92.7 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: VY023461.D

Acq: 14 Oct 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

C-2

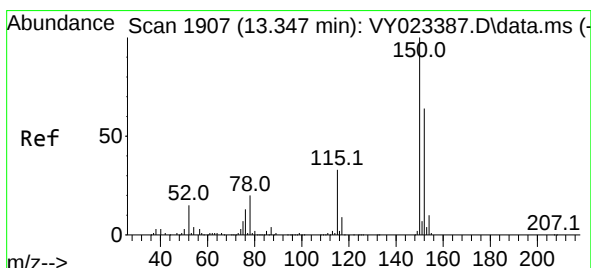
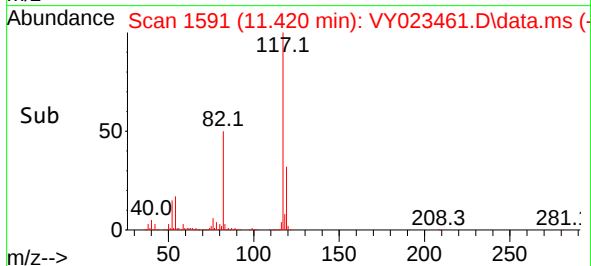
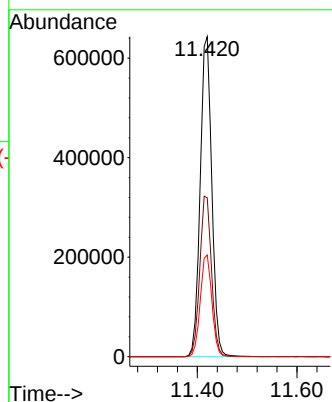
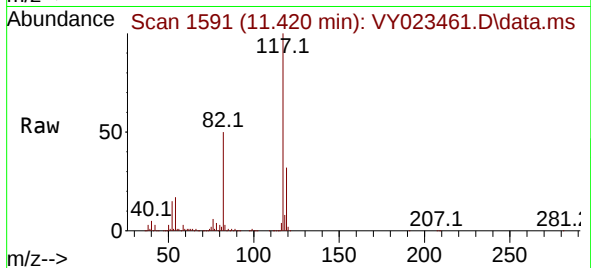
Tgt Ion:117 Resp: 1038095

Ion Ratio Lower Upper

117 100

82 49.7 41.0 61.4

119 31.7 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: VY023461.D

Acq: 14 Oct 2025 14:52

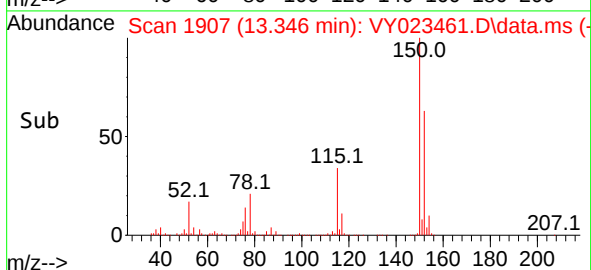
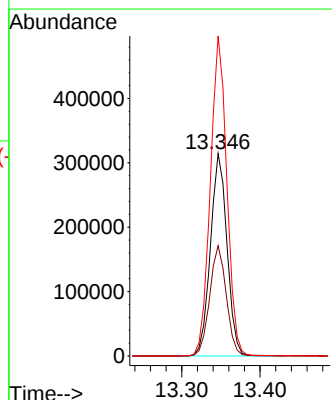
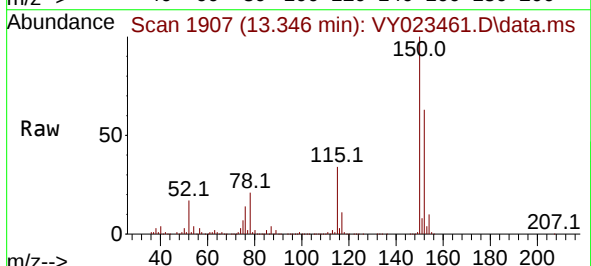
Tgt Ion:152 Resp: 461613

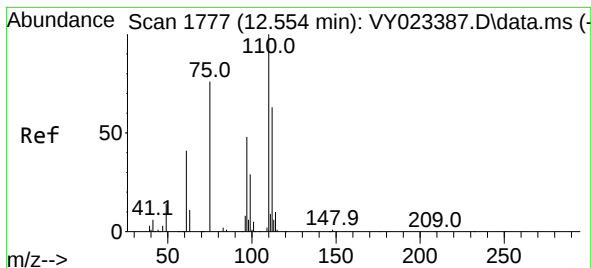
Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 157.2 0.0 347.4

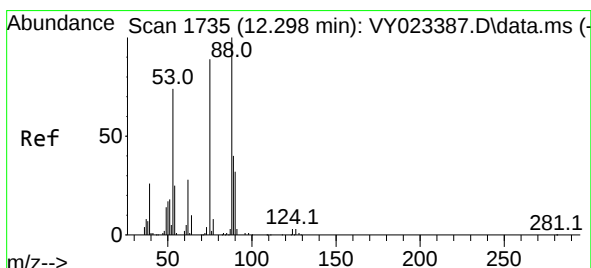
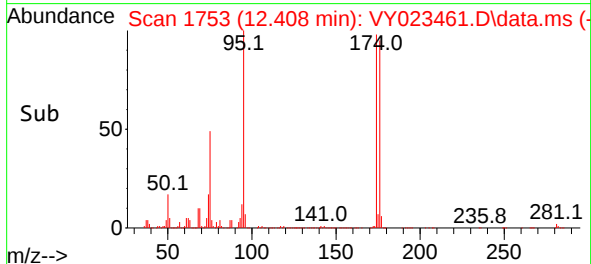
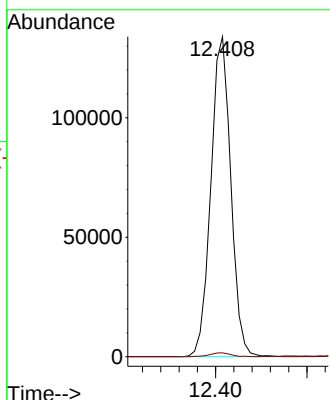
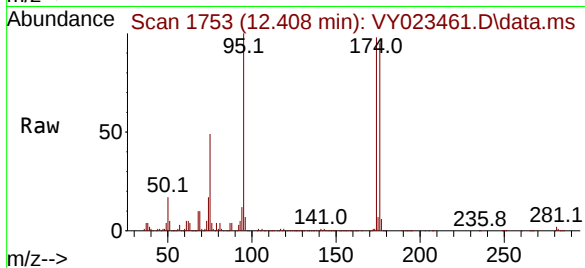




#76
1,2,3-Trichloropropane
Concen: 49.766 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023461.D
Acq: 14 Oct 2025 14:52

Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion: 75 Resp: 202678
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.035 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023461.D
Acq: 14 Oct 2025 14:52

Tgt Ion: 75 Resp: 202678
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.0 39.0 58.4#

