

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023174.D
 Acq On : 20 Aug 2025 14:35
 Operator : SY/MD
 Sample : Q2892-01
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:39:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

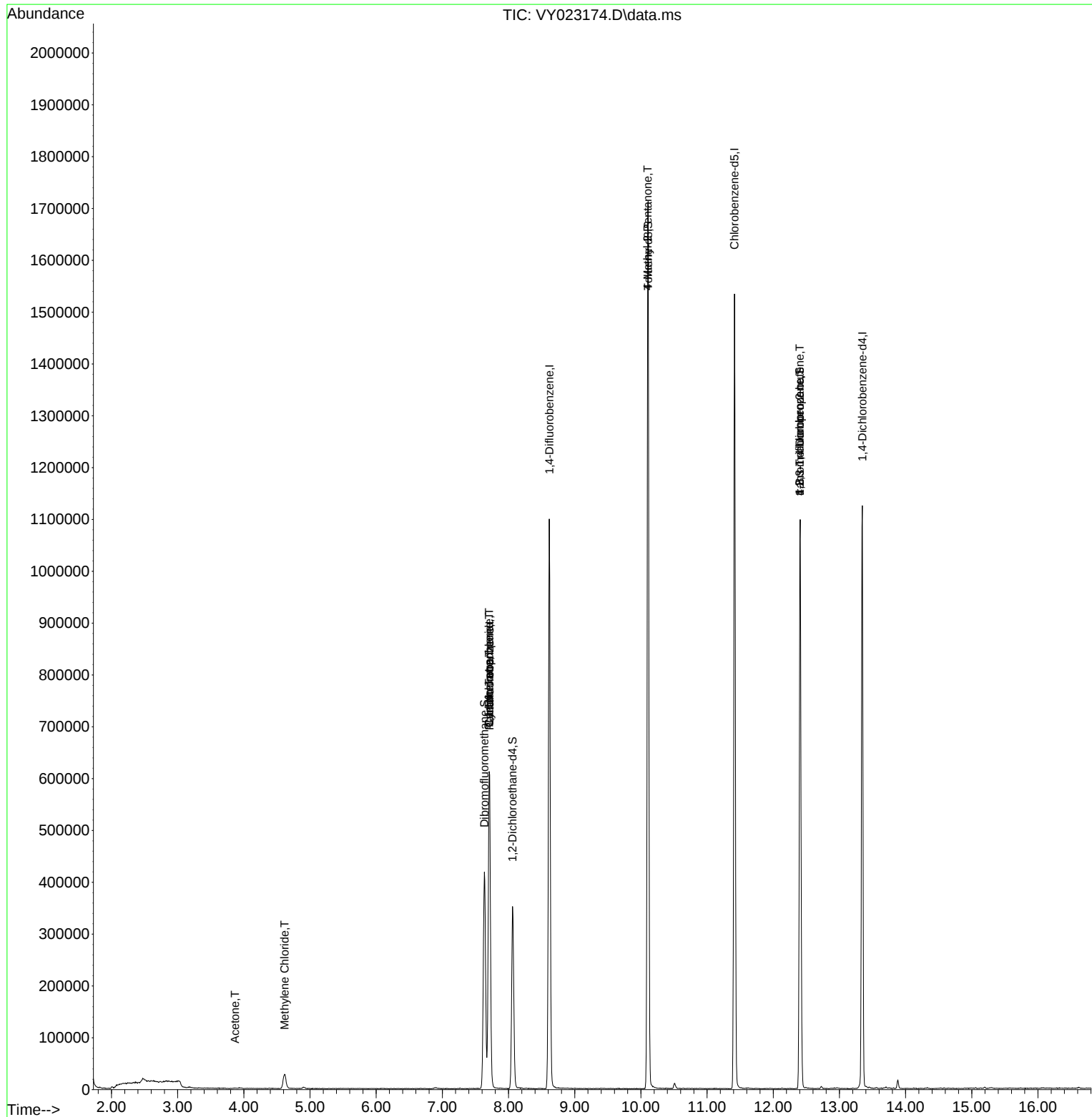
Internal Standards						
1) Pentafluorobenzene	7.713	168	490467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	929671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	806534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	285220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	273887	58.592	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.180%
35) Dibromofluoromethane	7.634	113	298245	53.614	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.220%
50) Toluene-d8	10.109	98	1130025	51.999	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.000%
62) 4-Bromofluorobenzene	12.402	95	299162	42.805	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.620%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1048	1.035	ug/l #	75
20) Methylene Chloride	4.616	84	20945	1.335	ug/l	92
31) Cyclohexane	7.707	56	10382	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	36601	4.427	ug/l #	49
38) Carbon Tetrachloride	7.707	117	46926	5.226	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	4681	1.293	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	156413	56.822	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	156413	137.548	ug/l #	14

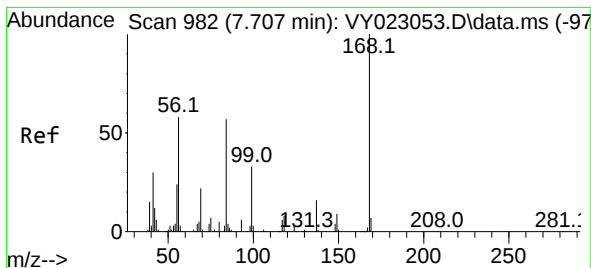
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023174.D

Acq: 20 Aug 2025 14:35

Instrument :

MSVOA_Y

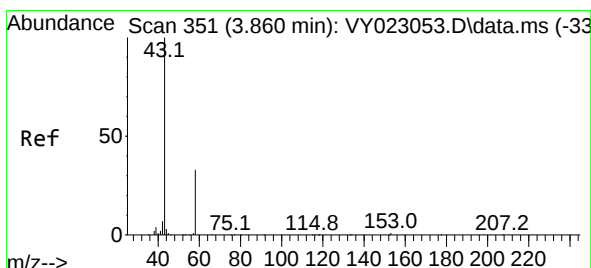
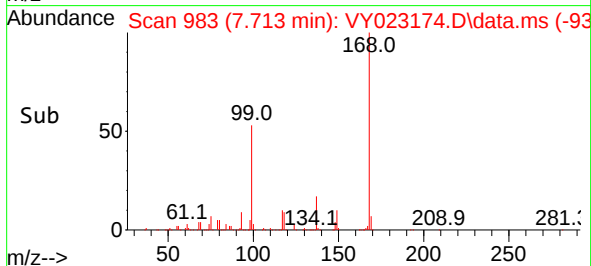
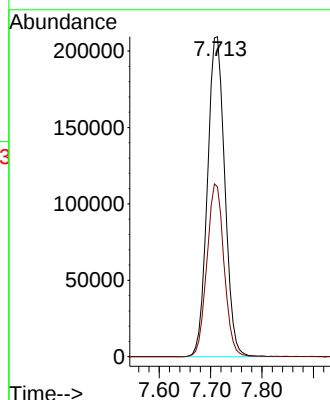
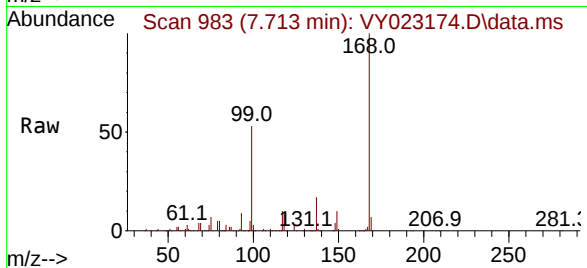
ClientSampleId :

Tgt Ion:168 Resp: 490467

Ion Ratio Lower Upper

168 100

99 53.0 42.8 64.2



#16

Acetone

Concen: 1.035 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY023174.D

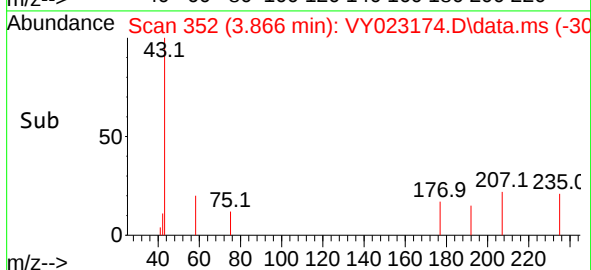
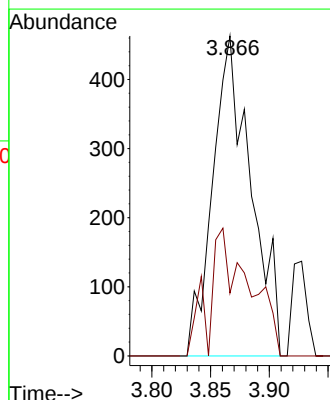
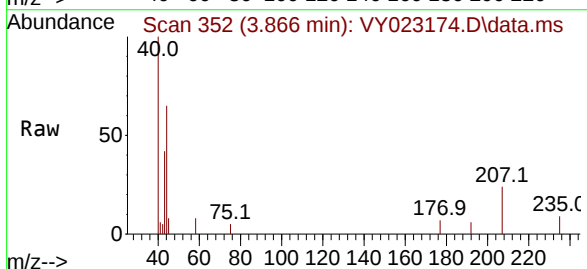
Acq: 20 Aug 2025 14:35

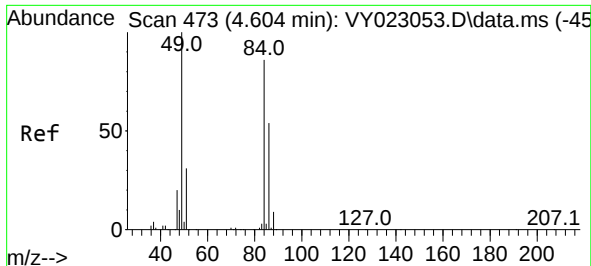
Tgt Ion: 43 Resp: 1048

Ion Ratio Lower Upper

43 100

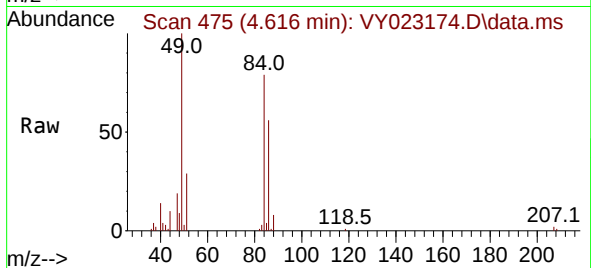
58 19.7 27.1 40.7#



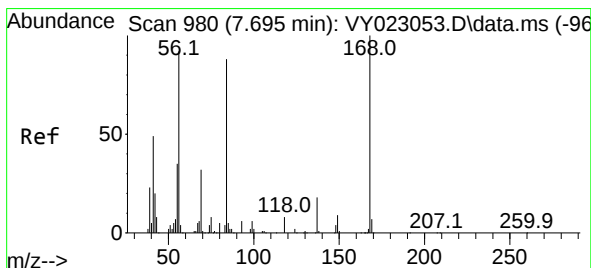
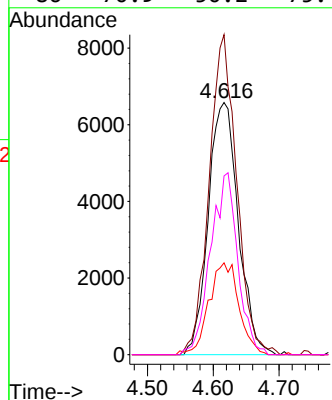
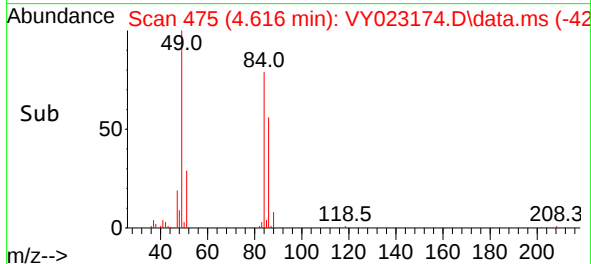


#20
Methylene Chloride
Concen: 1.335 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023174.D
Acq: 20 Aug 2025 14:35

Instrument :
MSVOA_Y
ClientSampleId :

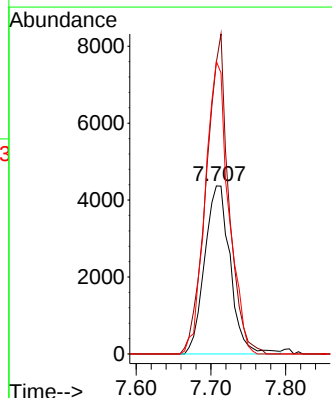
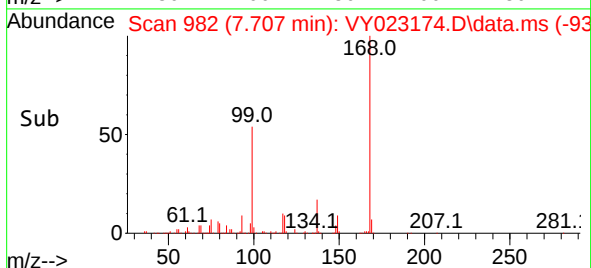
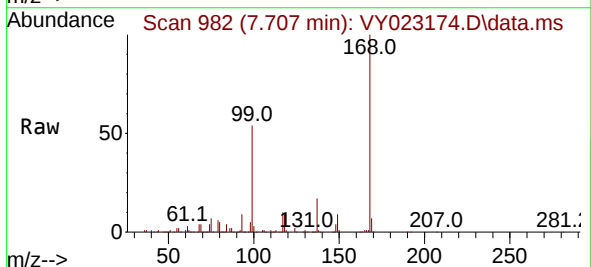


Tgt Ion:	84	Resp:	20945
Ion	Ratio	Lower	Upper
84	100		
49	126.9	93.0	139.6
51	36.4	29.0	43.4
86	70.9	50.2	75.4



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023174.D
Acq: 20 Aug 2025 14:35

Tgt Ion:	56	Resp:	10382
Ion	Ratio	Lower	Upper
56	100		
69	173.6	28.2	42.2#
84	174.2	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.592 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023174.D

Acq: 20 Aug 2025 14:35

Instrument :

MSVOA_Y

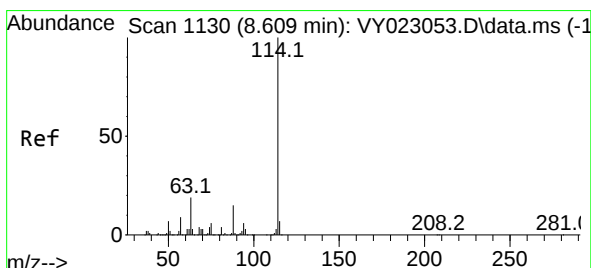
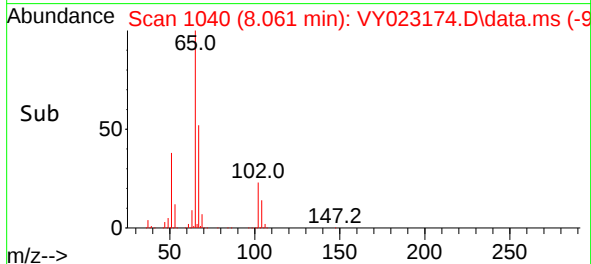
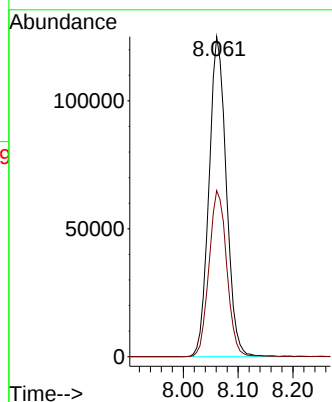
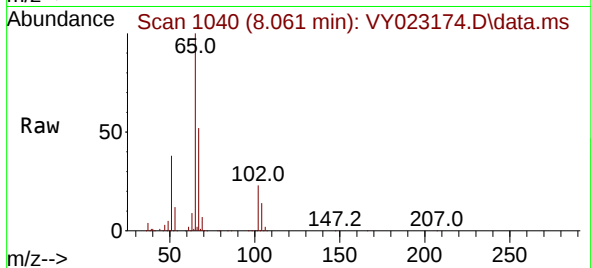
ClientSampleId :

Tgt Ion: 65 Resp: 273887

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023174.D

Acq: 20 Aug 2025 14:35

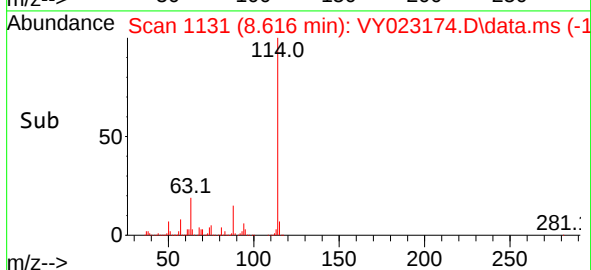
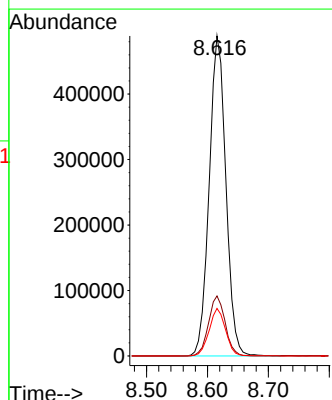
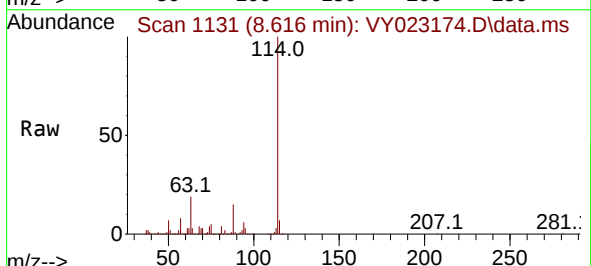
Tgt Ion:114 Resp: 929671

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

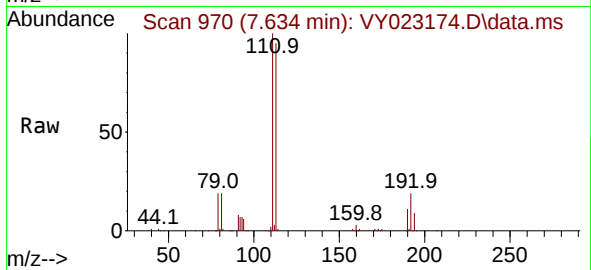
88 14.8 0.0 30.0



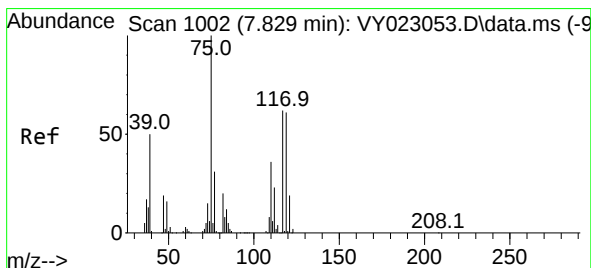
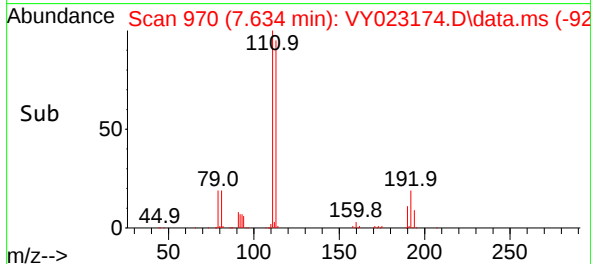
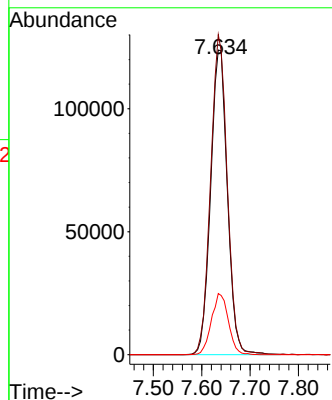


#35
Dibromofluoromethane
Concen: 53.614 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023174.D
Acq: 20 Aug 2025 14:35

Instrument :
MSVOA_Y
ClientSampleId :

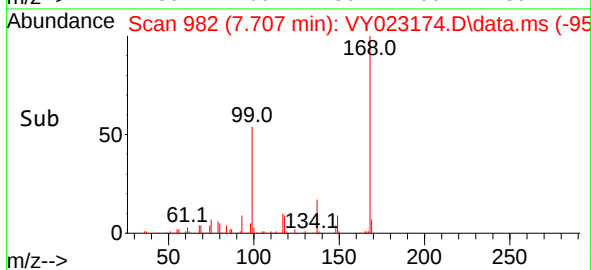
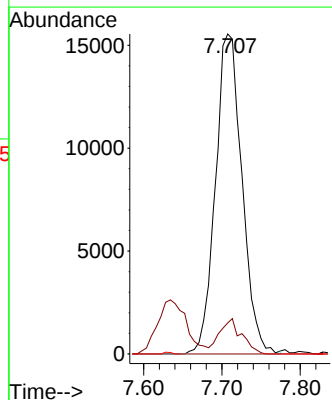
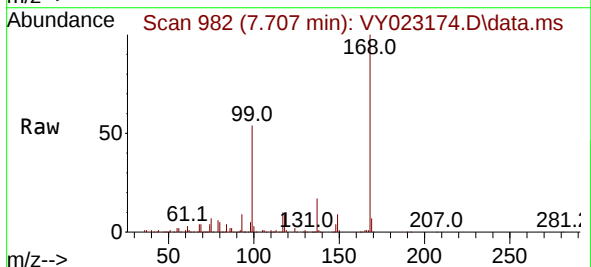


Tgt Ion:113 Resp: 298245
Ion Ratio Lower Upper
113 100
111 104.6 81.1 121.7
192 20.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.427 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023174.D
Acq: 20 Aug 2025 14:35

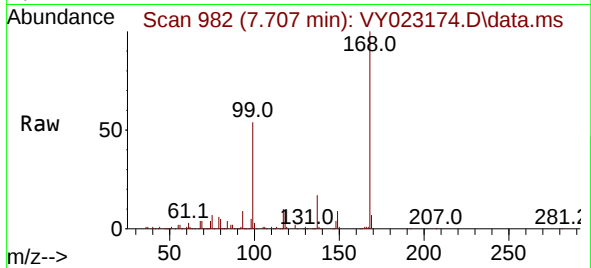
Tgt Ion: 75 Resp: 36601
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 24.6 37.0#



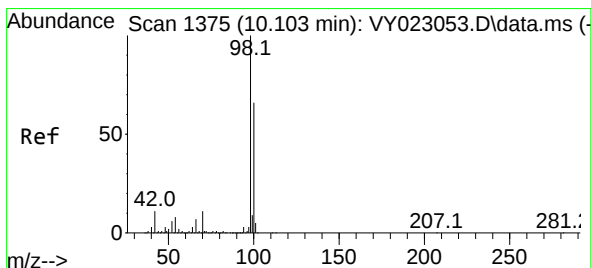
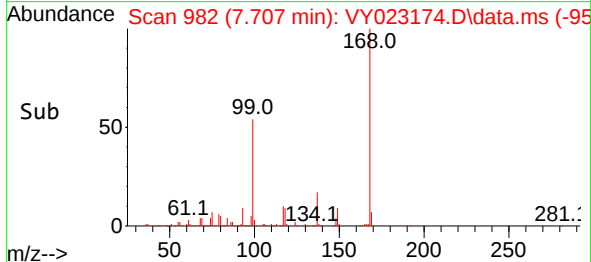
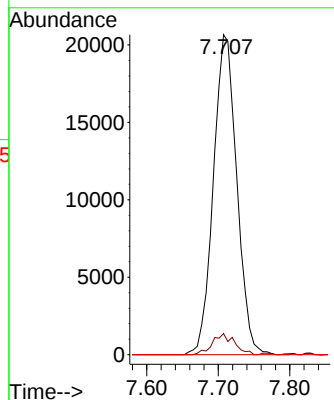


#38
Carbon Tetrachloride
Concen: 5.226 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023174.D
Acq: 20 Aug 2025 14:35

Instrument :
MSVOA_Y
ClientSampleId :

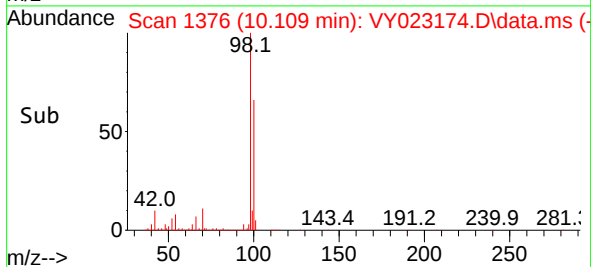
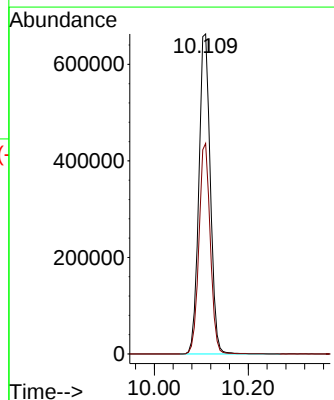
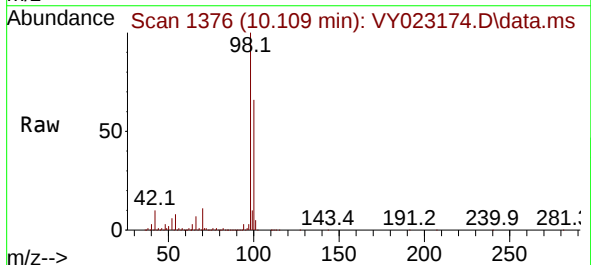


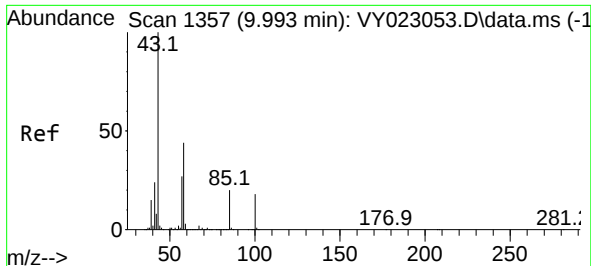
Tgt Ion:117 Resp: 46926
Ion Ratio Lower Upper
117 100
119 6.6 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.999 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023174.D
Acq: 20 Aug 2025 14:35

Tgt Ion: 98 Resp: 1130025
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5

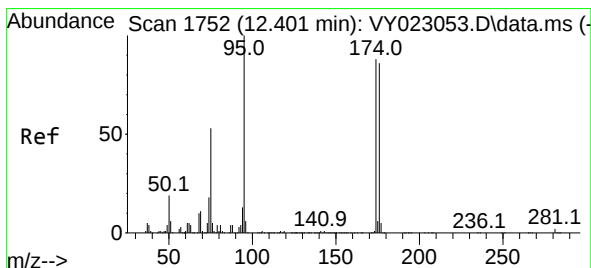
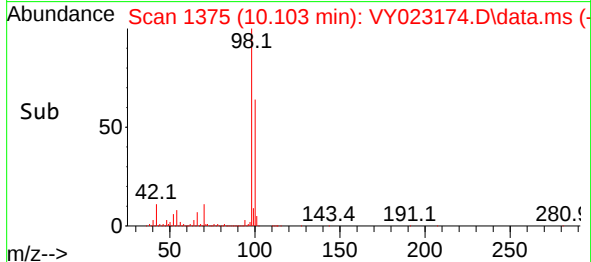
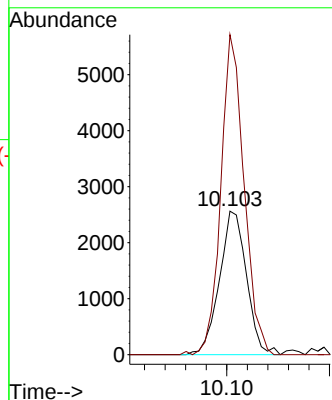
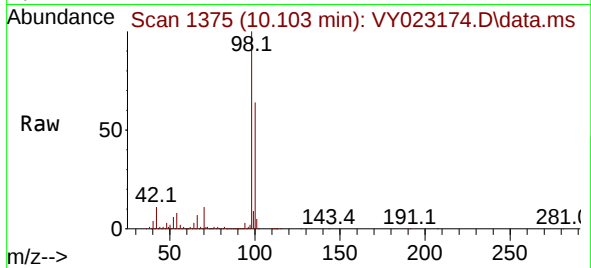




#51
4-Methyl-2-Pentanone
Concen: 1.293 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023174.D
Acq: 20 Aug 2025 14:35

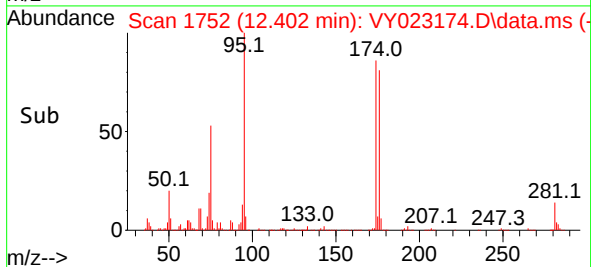
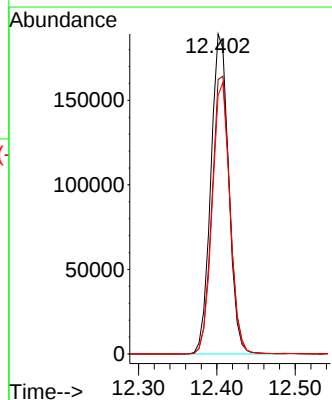
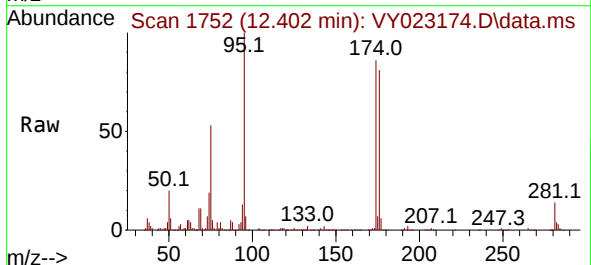
Instrument :
MSVOA_Y
ClientSampleId :

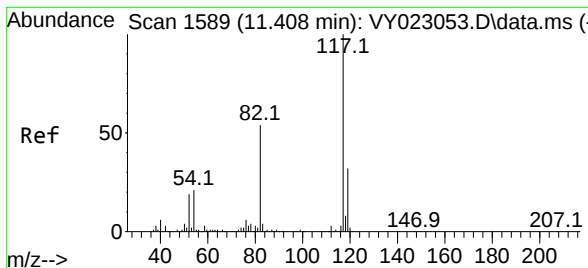
Tgt Ion: 43 Resp: 4681
Ion Ratio Lower Upper
43 100
58 191.4 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 42.805 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023174.D
Acq: 20 Aug 2025 14:35

Tgt Ion: 95 Resp: 299162
Ion Ratio Lower Upper
95 100
174 87.9 0.0 171.6
176 84.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023174.D

Acq: 20 Aug 2025 14:35

Instrument :

MSVOA_Y

ClientSampleId :

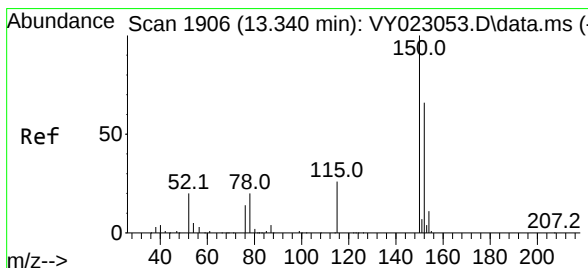
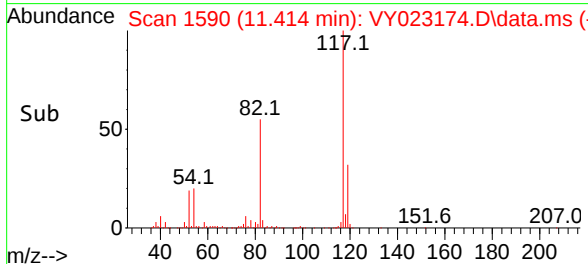
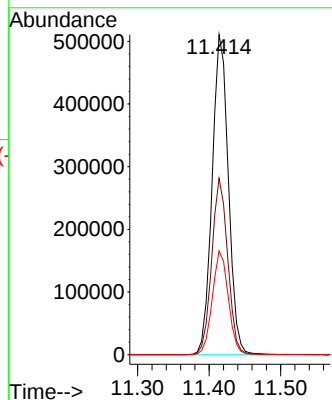
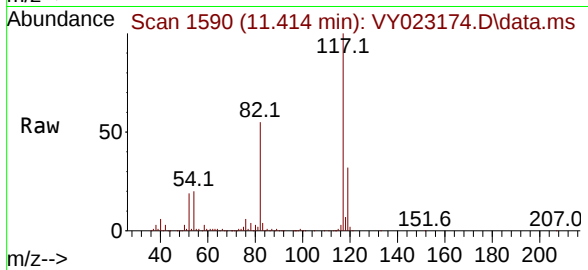
Tgt Ion:117 Resp: 806534

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 32.5 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023174.D

Acq: 20 Aug 2025 14:35

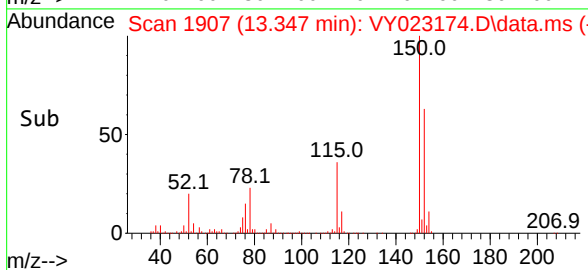
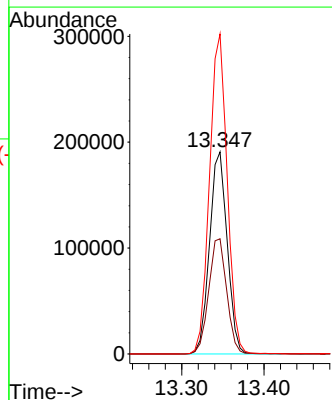
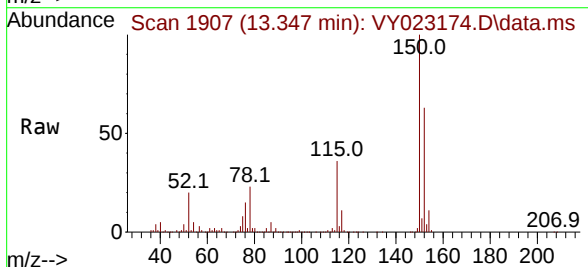
Tgt Ion:152 Resp: 285220

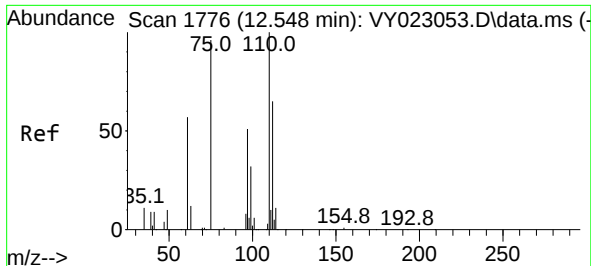
Ion Ratio Lower Upper

152 100

115 58.1 28.2 84.6

150 158.1 0.0 348.0

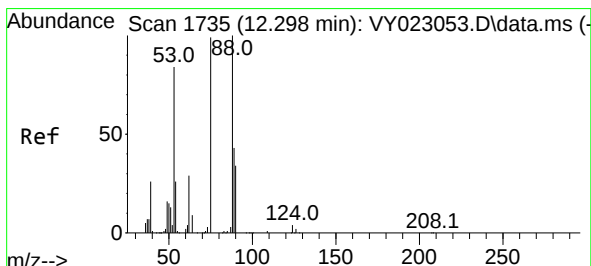
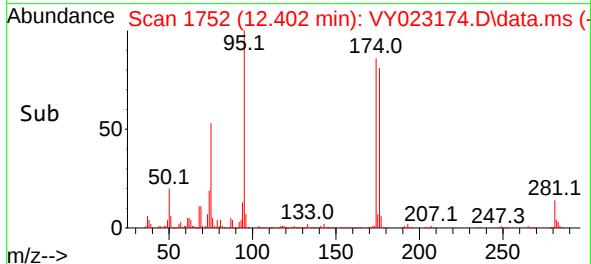
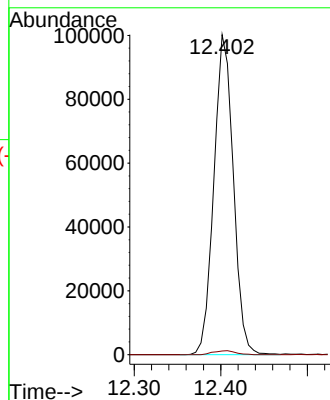
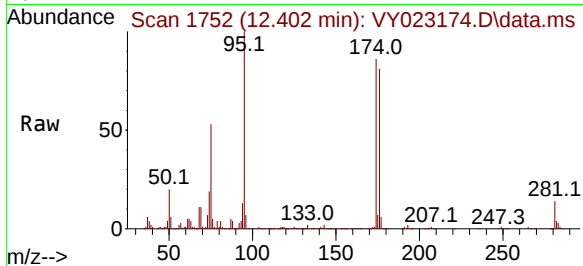




#76
1,2,3-Trichloropropane
Concen: 56.822 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023174.D
Acq: 20 Aug 2025 14:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 156413
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.548 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023174.D
Acq: 20 Aug 2025 14:35

Tgt Ion: 75 Resp: 156413
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.4 38.1 57.1#

