

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022769.D
 Acq On : 20 Jun 2025 17:29
 Operator : SY/MD
 Sample : Q2381-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 21 02:42:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

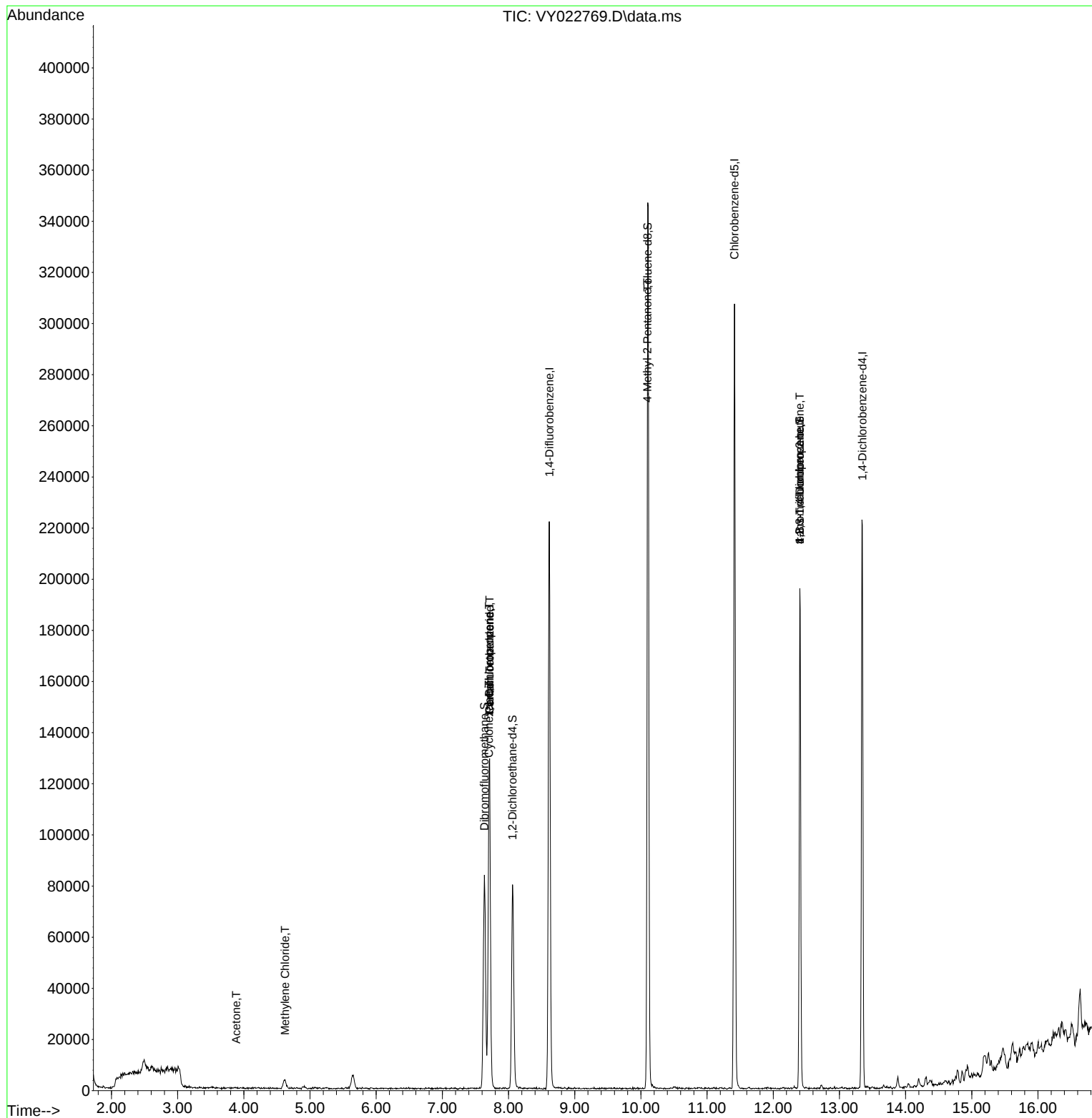
Internal Standards						
1) Pentafluorobenzene	7.713	168	94522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	183248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	150906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	53771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	61664	58.329	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.660%	
35) Dibromofluoromethane	7.634	113	57242	52.335	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.660%	
50) Toluene-d8	10.103	98	223973	50.678	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.360%	
62) 4-Bromofluorobenzene	12.402	95	53261	40.447	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.900%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	335	1.560	ug/l #	45
20) Methylene Chloride	4.623	84	2494	2.045	ug/l #	82
31) Cyclohexane	7.701	56	2892	1.424	ug/l #	48
36) 1,1-Dichloropropene	7.707	75	9398	5.294	ug/l #	51
38) Carbon Tetrachloride	7.713	117	10275	5.642	ug/l #	18
51) 4-Methyl-2-Pentanone	10.097	43	1384	1.624	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	32763	53.259	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	32763	128.618	ug/l #	10

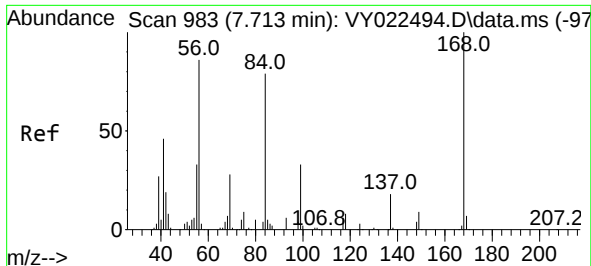
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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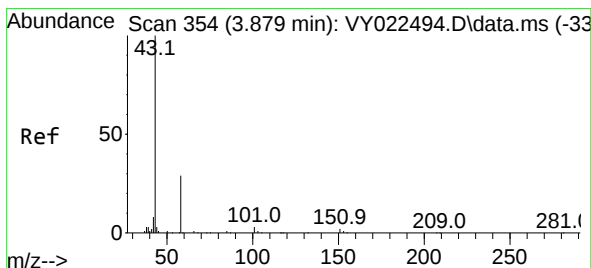
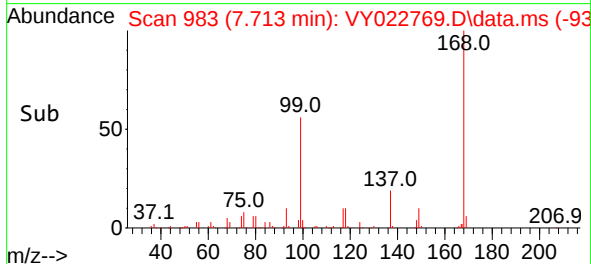
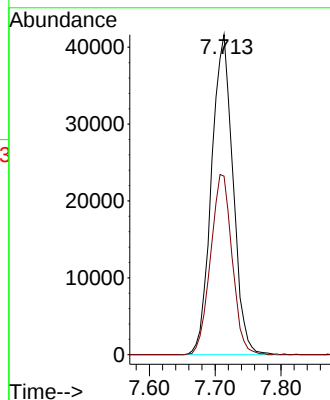
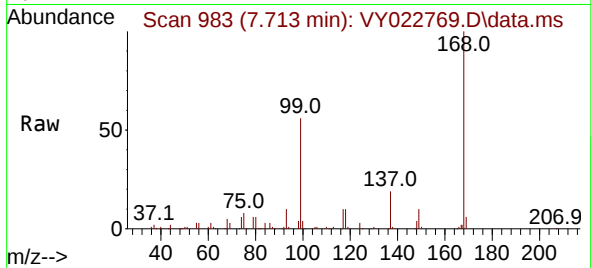




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

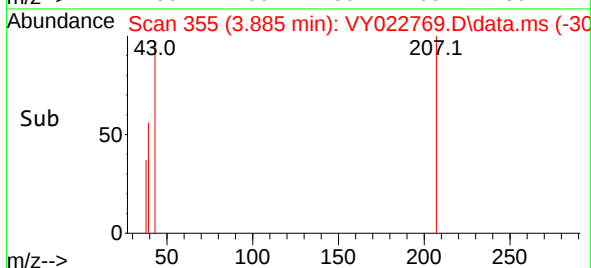
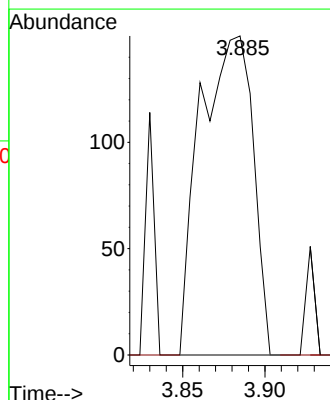
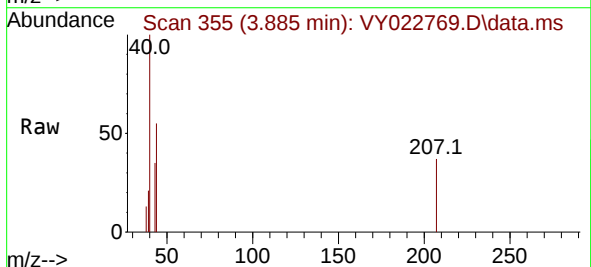
Instrument :
MSVOA_Y
ClientSampleId :

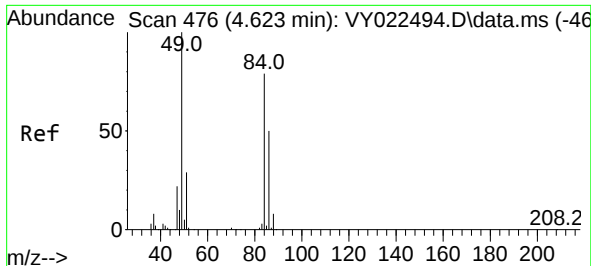
Tgt Ion:168 Resp: 94522
Ion Ratio Lower Upper
168 100
99 55.8 44.3 66.5



#16
Acetone
Concen: 1.560 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

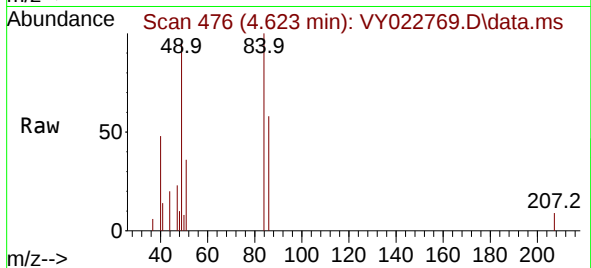
Tgt Ion: 43 Resp: 335
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



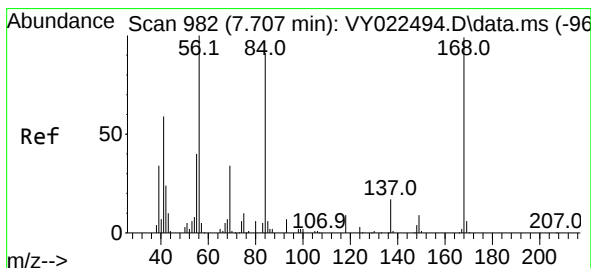
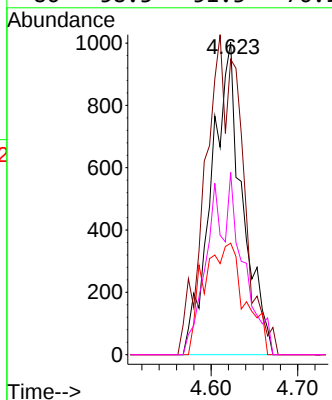
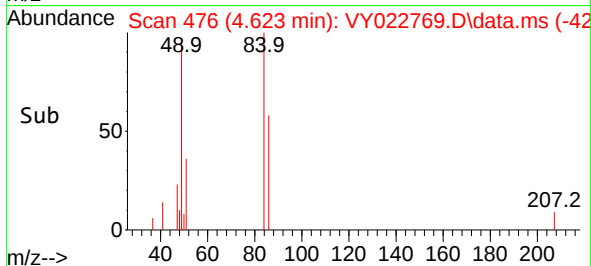


#20
Methylene Chloride
Concen: 2.045 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :

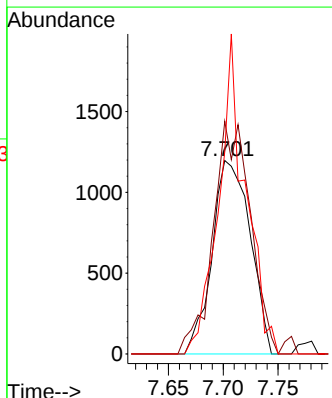
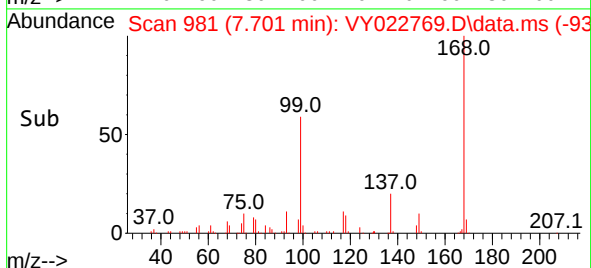
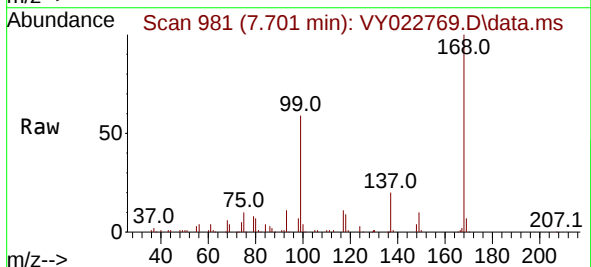


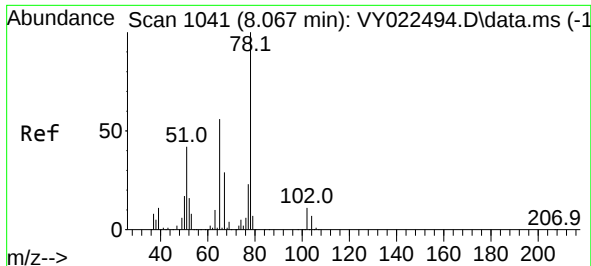
Tgt Ion:	84	Resp:	2494
Ion	Ratio	Lower	Upper
84	100		
49	94.5	101.9	152.9#
51	35.7	29.8	44.8
86	58.3	51.3	76.9



#31
Cyclohexane
Concen: 1.424 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

Tgt Ion:	56	Resp:	2892
Ion	Ratio	Lower	Upper
56	100		
69	120.3	27.0	40.6#
84	104.6	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 58.329 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022769.D

Acq: 20 Jun 2025 17:29

Instrument :

MSVOA_Y

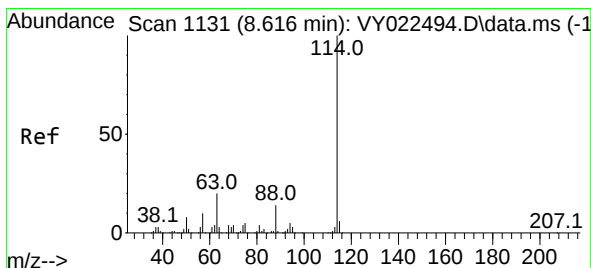
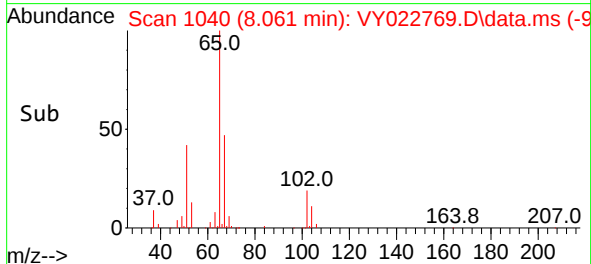
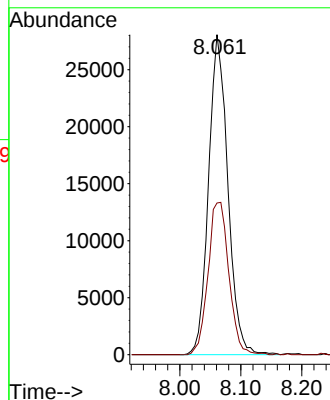
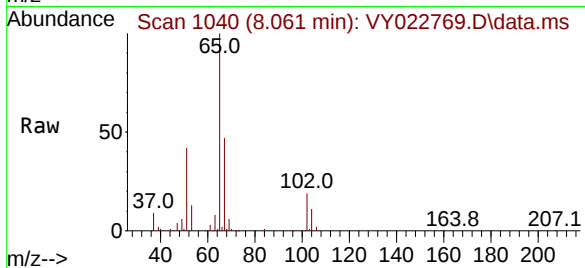
ClientSampleId :

Tgt Ion: 65 Resp: 61664

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022769.D

Acq: 20 Jun 2025 17:29

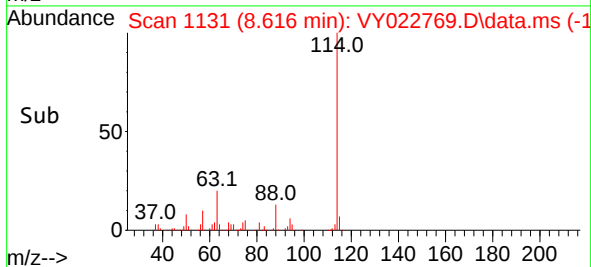
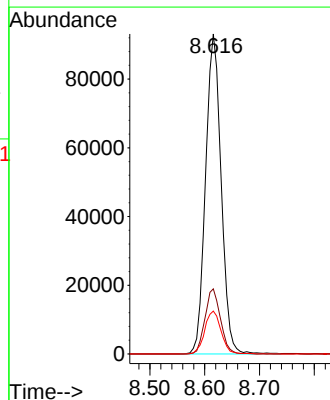
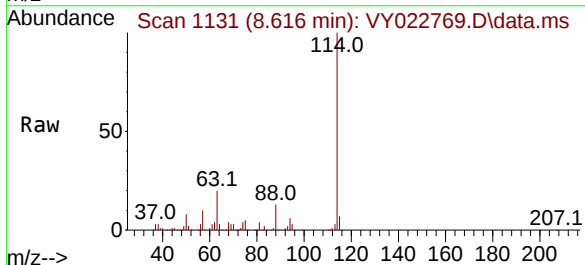
Tgt Ion:114 Resp: 183248

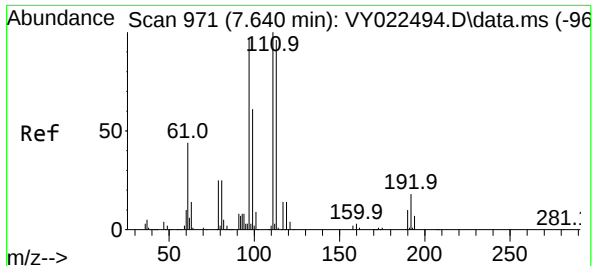
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

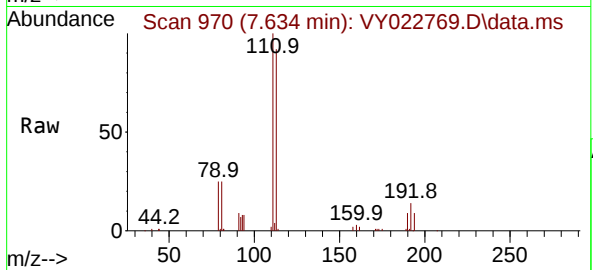
88 13.4 0.0 27.8



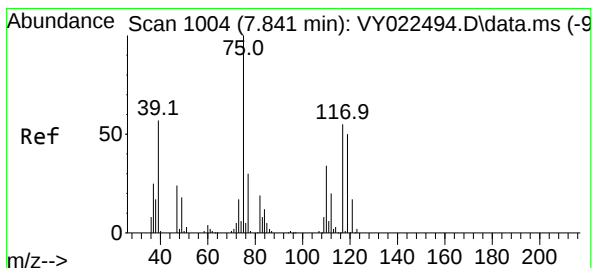
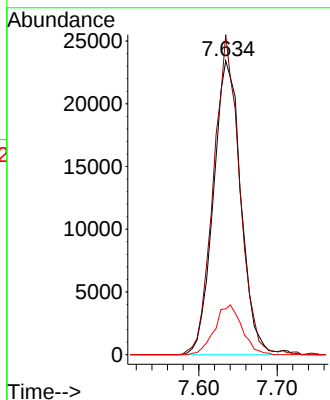
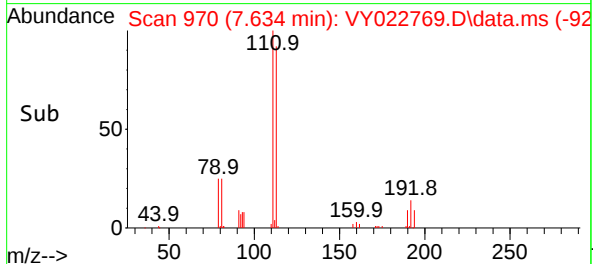


#35
Dibromofluoromethane
Concen: 52.335 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

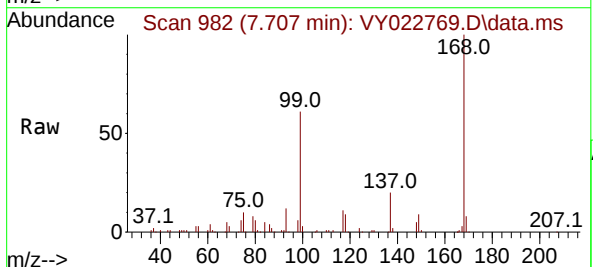
Instrument :
MSVOA_Y
ClientSampleId :



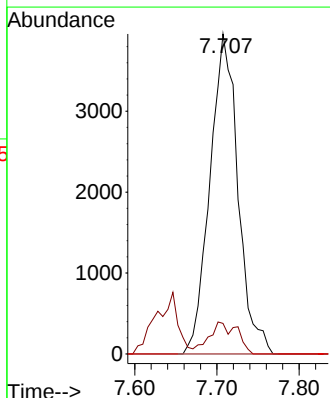
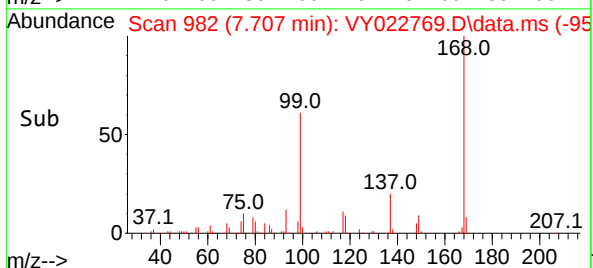
Tgt Ion:113 Resp: 57242
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 16.8 14.2 21.2

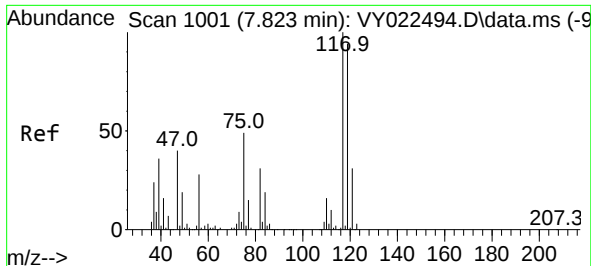


#36
1,1-Dichloropropene
Concen: 5.294 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29



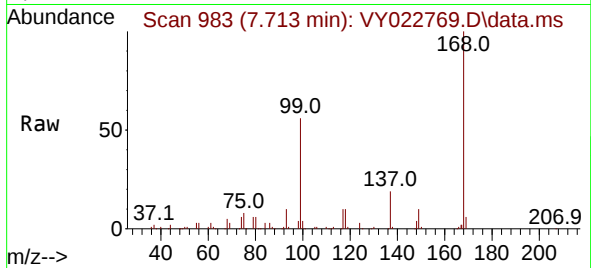
Tgt Ion: 75 Resp: 9398
Ion Ratio Lower Upper
75 100
110 10.0 16.9 50.7#
77 0.0 24.8 37.2#



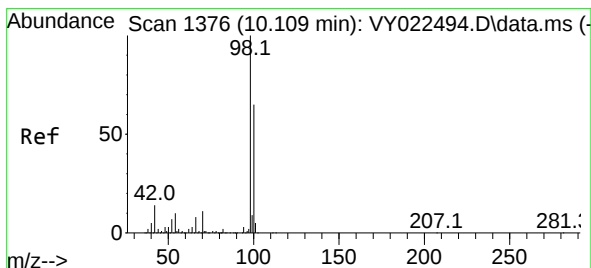
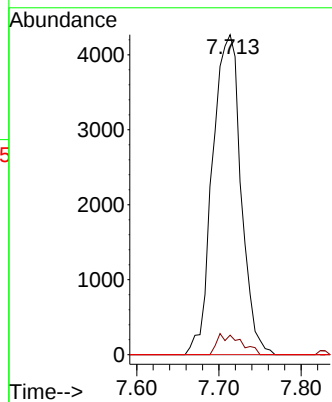
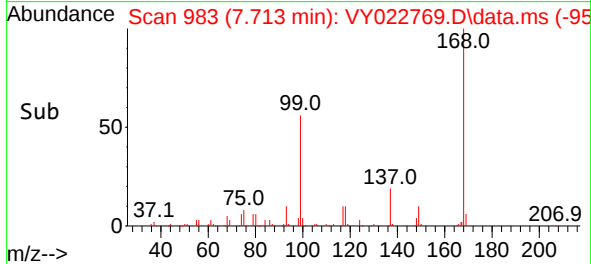


#38
Carbon Tetrachloride
Concen: 5.642 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :

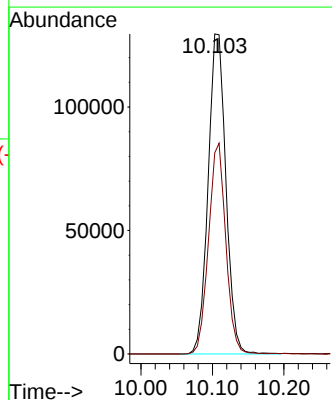
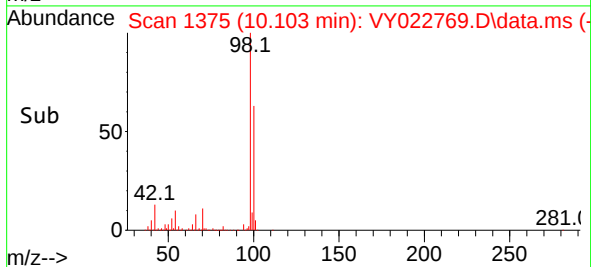
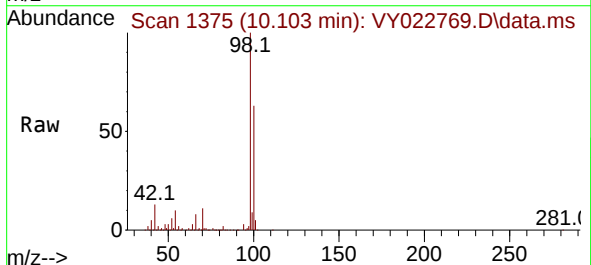


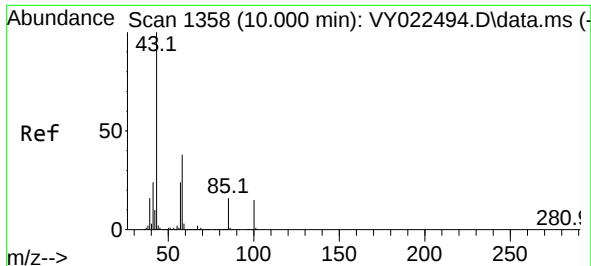
Tgt Ion:117 Resp: 10275
Ion Ratio Lower Upper
117 100
119 6.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.678 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

Tgt Ion: 98 Resp: 223973
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0

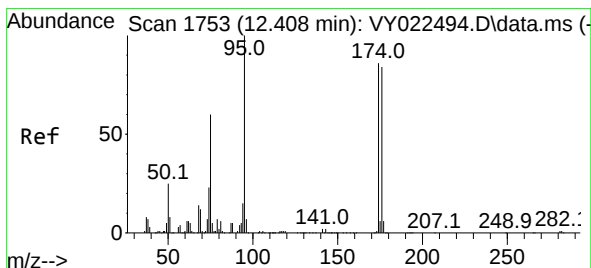
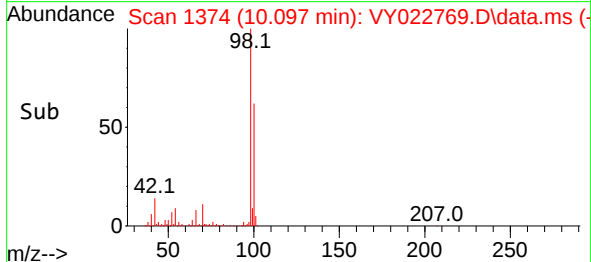
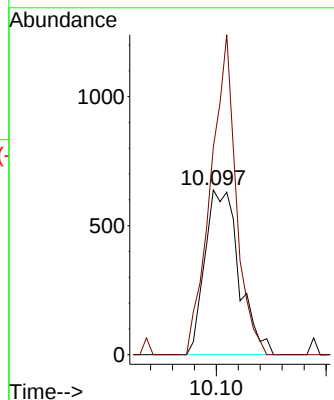
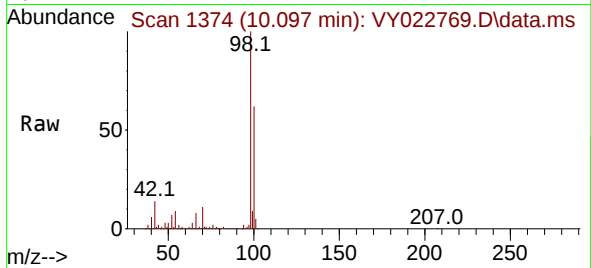




#51
4-Methyl-2-Pentanone
Concen: 1.624 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

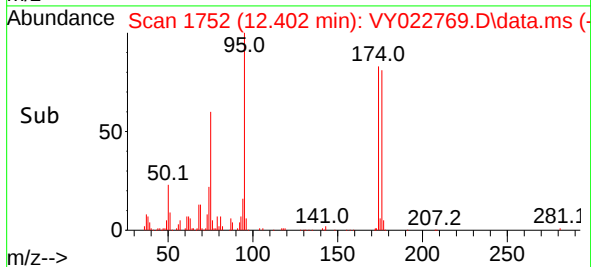
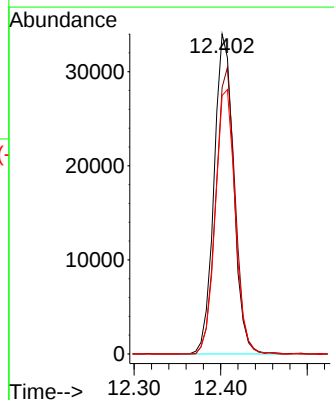
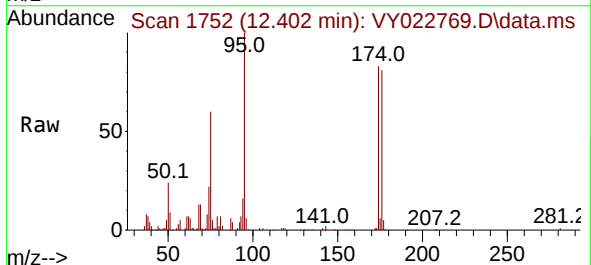
Instrument :
MSVOA_Y
ClientSampleId :

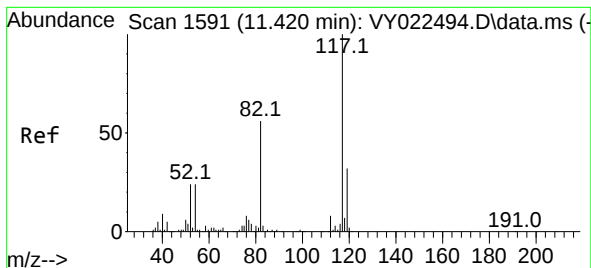
Tgt Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
58 145.0 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 40.447 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

Tgt Ion: 95 Resp: 53261
Ion Ratio Lower Upper
95 100
174 88.9 0.0 170.0
176 84.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY022769.D

Acq: 20 Jun 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

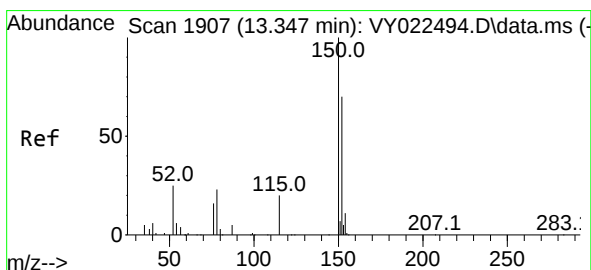
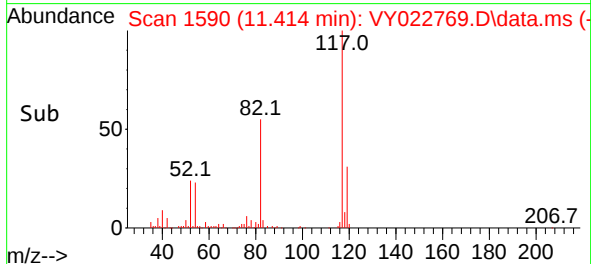
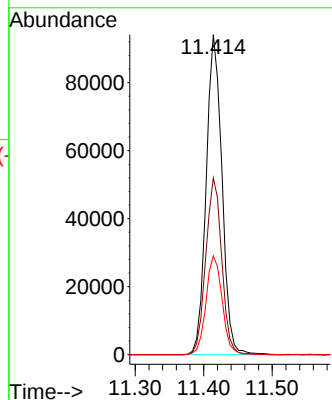
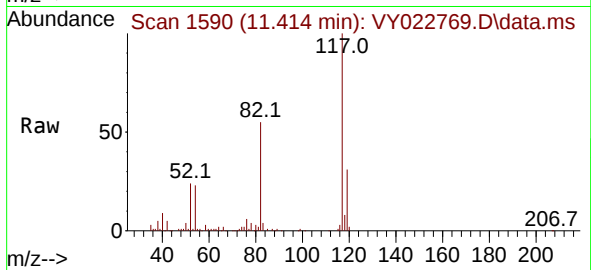
Tgt Ion:117 Resp: 150906

Ion Ratio Lower Upper

117 100

82 55.2 44.6 66.8

119 30.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022769.D

Acq: 20 Jun 2025 17:29

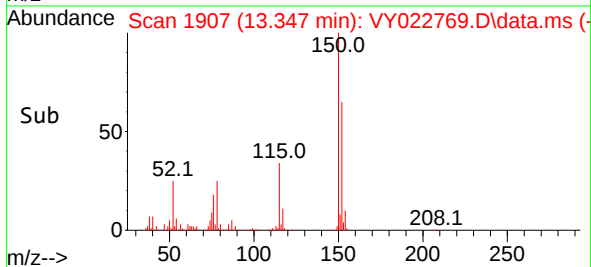
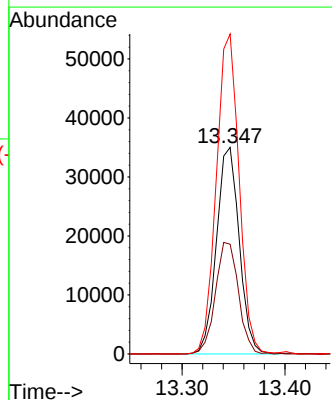
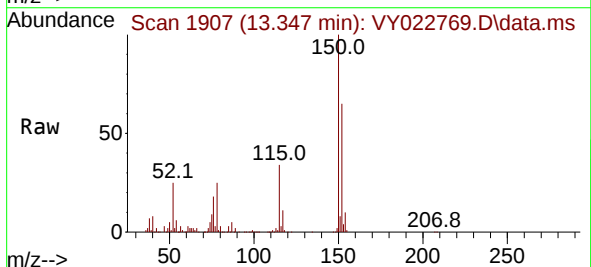
Tgt Ion:152 Resp: 53771

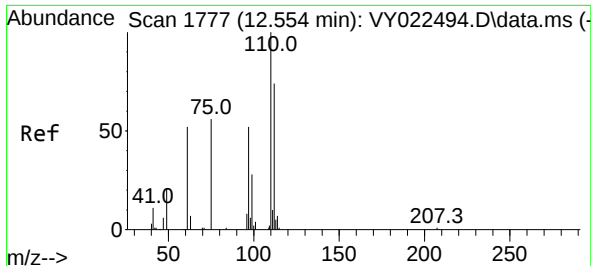
Ion Ratio Lower Upper

152 100

115 54.8 28.9 86.7

150 154.7 0.0 349.6

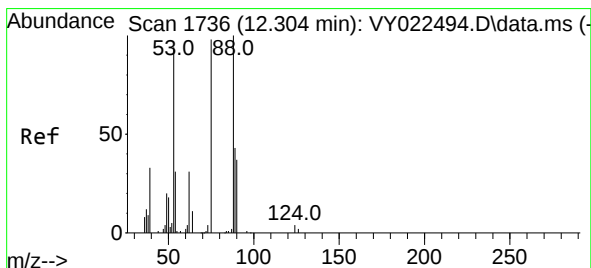
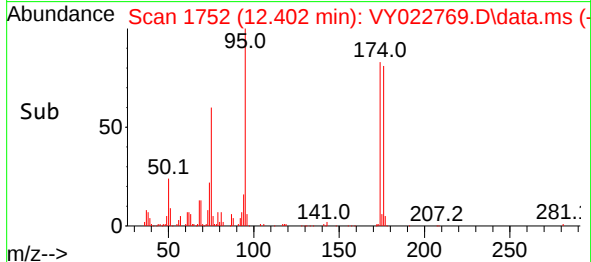
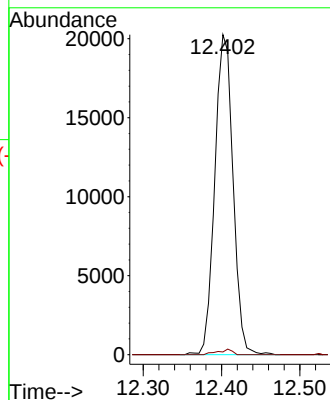
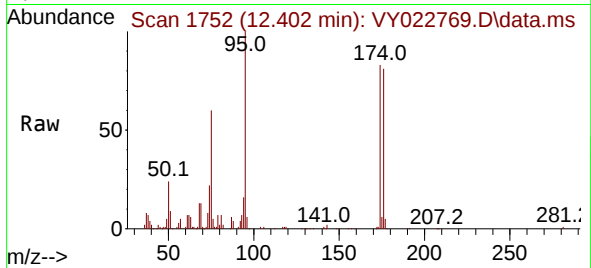




#76
1,2,3-Trichloropropane
Concen: 53.259 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 32763
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.618 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022769.D
Acq: 20 Jun 2025 17:29

Tgt Ion: 75 Resp: 32763
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

