

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022760.D
 Acq On : 20 Jun 2025 12:14
 Operator : SY/MD
 Sample : VY0620SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 21 02:38:01 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	95443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	179591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	143517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	47021	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	55848	52.318	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.640%
35) Dibromofluoromethane	7.640	113	56540	52.745	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.500%
50) Toluene-d8	10.109	98	216594	50.006	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.020%
62) 4-Bromofluorobenzene	12.408	95	49998	38.743	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.480%

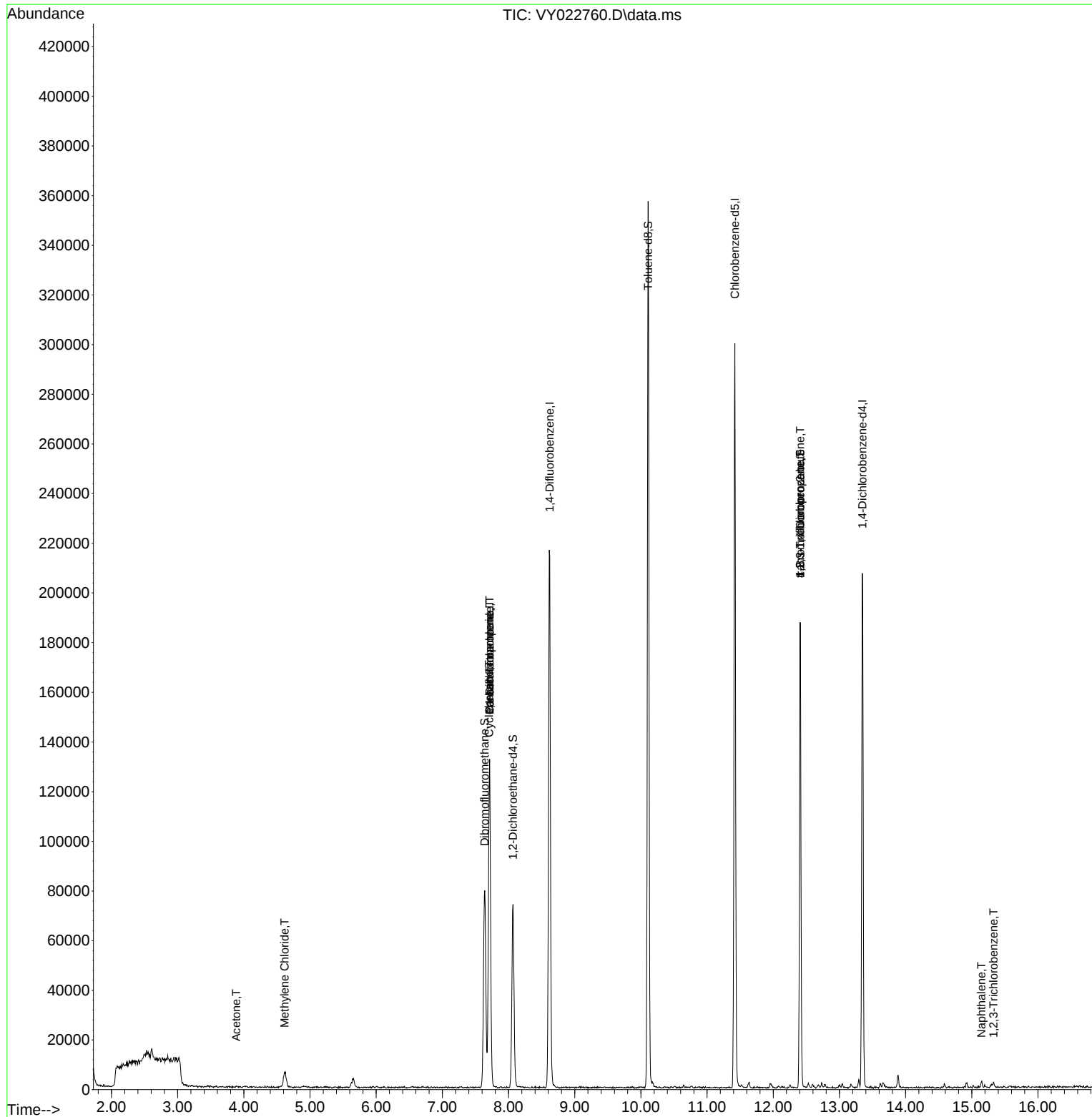
Target Compounds					Qvalue	
16) Acetone	3.885	43	491	2.265	ug/l #	45
20) Methylene Chloride	4.616	84	4452	3.615	ug/l #	87
31) Cyclohexane	7.707	56	3019	1.472	ug/l #	56
36) 1,1-Dichloropropene	7.713	75	8978	5.160	ug/l #	51
38) Carbon Tetrachloride	7.713	117	9606	5.382	ug/l #	19
76) 1,2,3-Trichloropropane	12.408	75	30087	55.930	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	30087	135.068	ug/l #	11
95) Naphthalene	15.145	128	1766	1.204	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.328	180	690	1.053	ug/l	89

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

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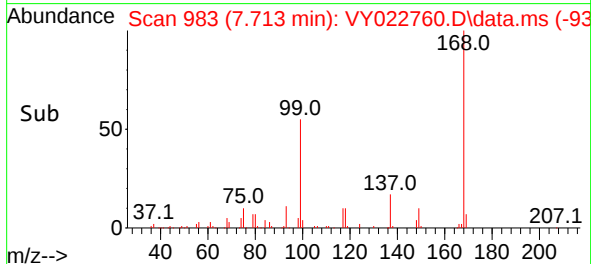
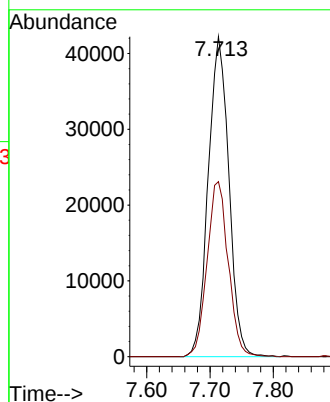
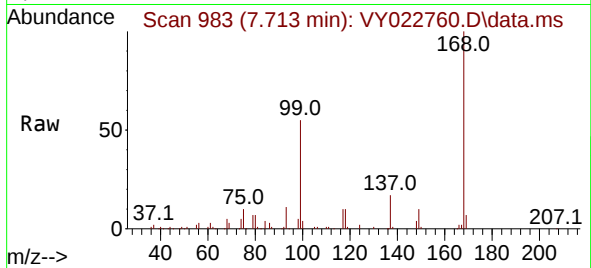




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022760.D
Acq: 20 Jun 2025 12:14

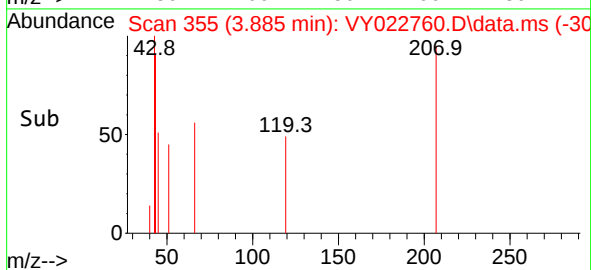
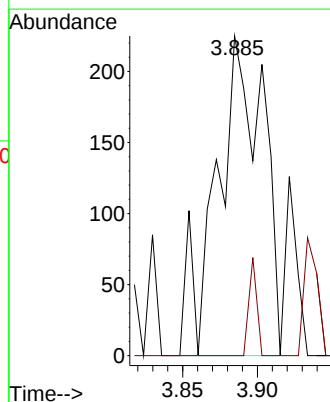
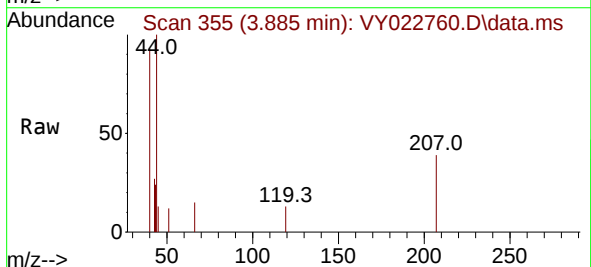
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 95443
Ion Ratio Lower Upper
168 100
99 54.7 44.3 66.5



#16
Acetone
Concen: 2.265 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022760.D
Acq: 20 Jun 2025 12:14

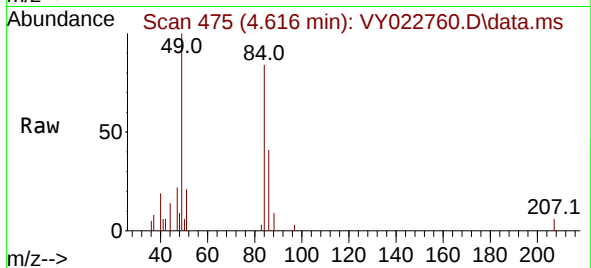
Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



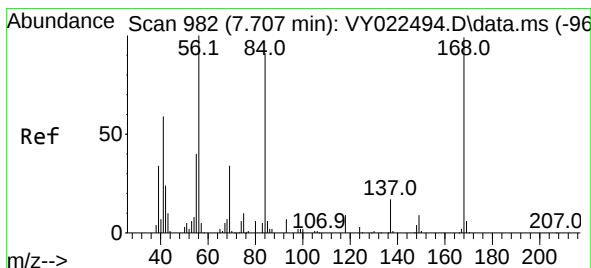
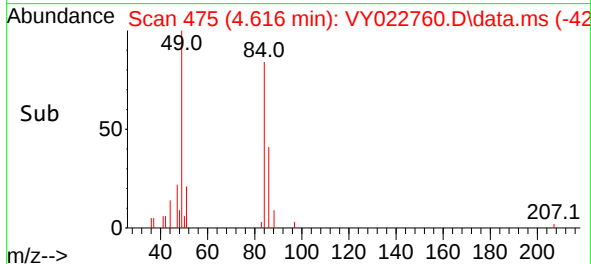
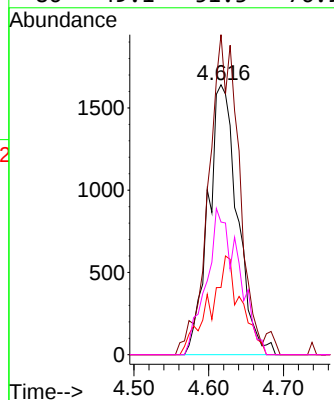


#20
Methylene Chloride
Concen: 3.615 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022760.D
Acq: 20 Jun 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :

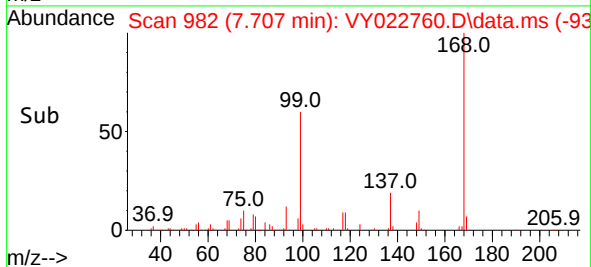
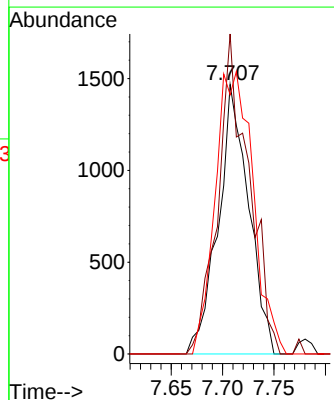
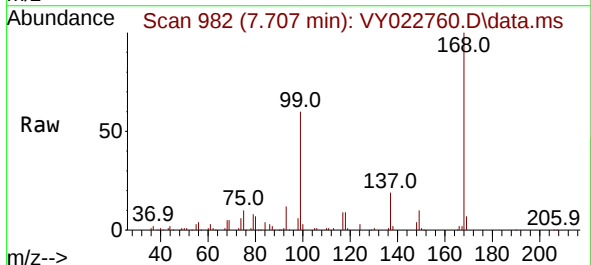


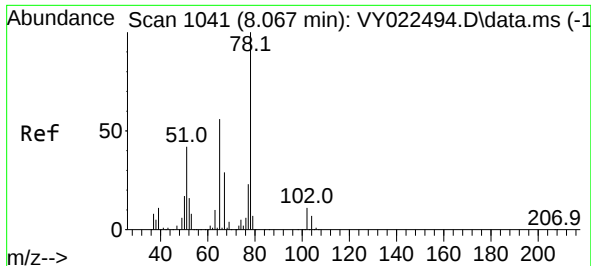
Tgt Ion:	84	Resp:	4452
Ion	Ratio	Lower	Upper
84	100		
49	118.5	101.9	152.9
51	24.9	29.8	44.8#
86	49.1	51.3	76.9#



#31
Cyclohexane
Concen: 1.472 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022760.D
Acq: 20 Jun 2025 12:14

Tgt Ion:	56	Resp:	3019
Ion	Ratio	Lower	Upper
56	100		
69	118.7	27.0	40.6#
84	96.2	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 52.318 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022760.D

Acq: 20 Jun 2025 12:14

Instrument :

MSVOA_Y

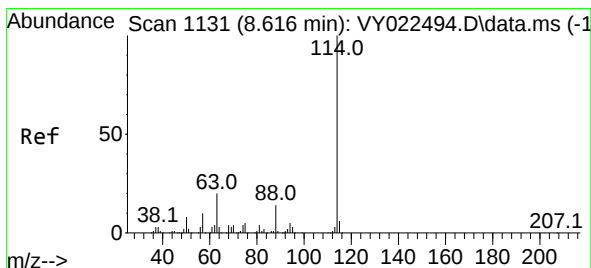
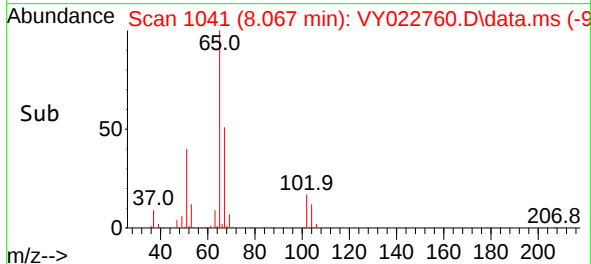
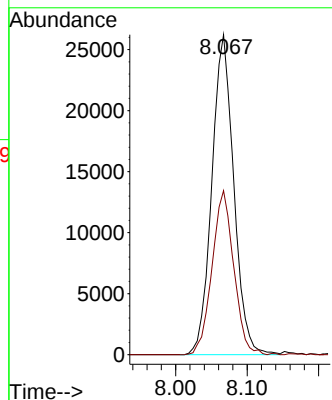
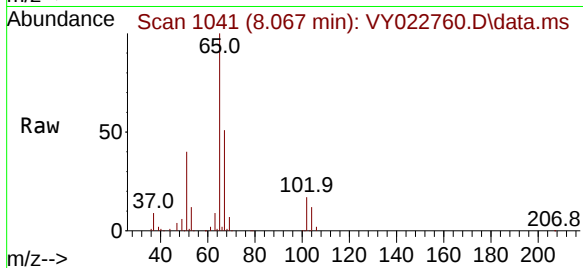
ClientSampleId :

Tgt Ion: 65 Resp: 55848

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022760.D

Acq: 20 Jun 2025 12:14

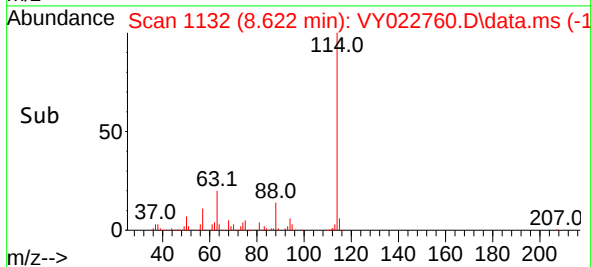
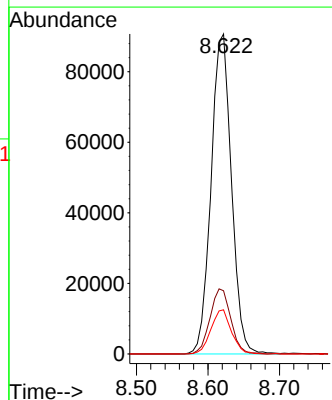
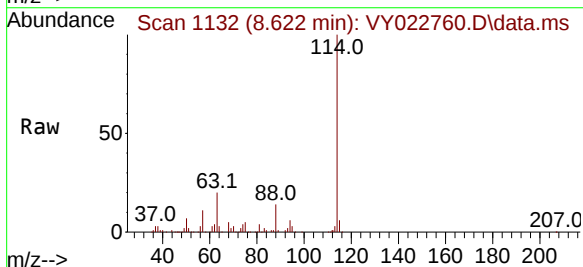
Tgt Ion: 114 Resp: 179591

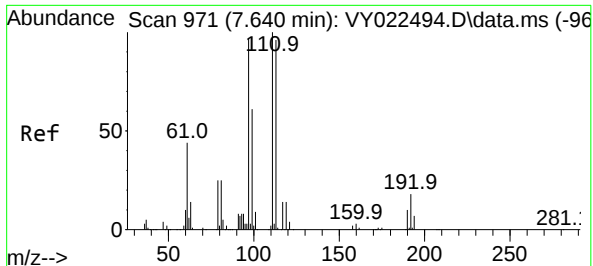
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 13.8 0.0 27.8





#35

Dibromofluoromethane

Concen: 52.745 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

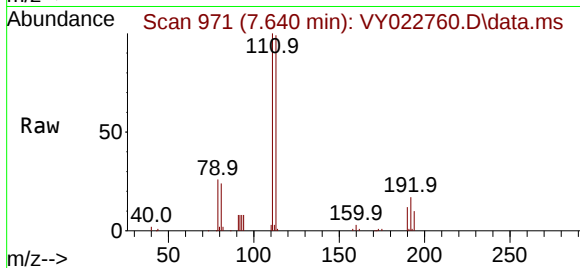
Lab File: VY022760.D

Acq: 20 Jun 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :



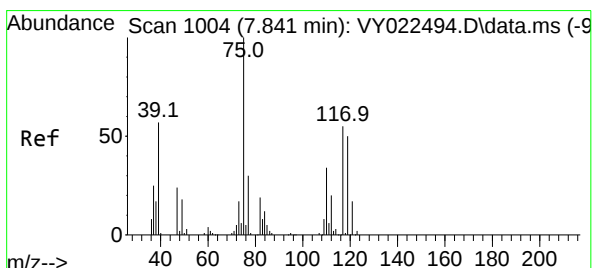
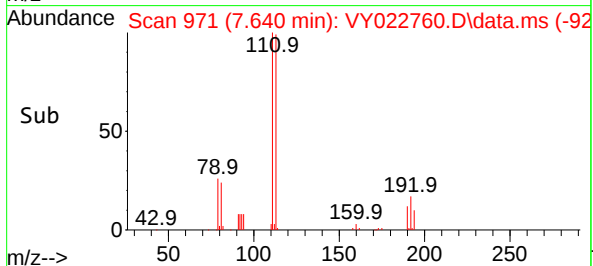
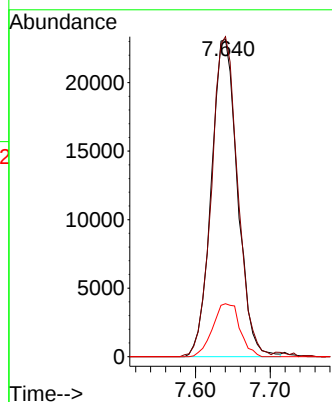
Tgt Ion:113 Resp: 56540

Ion Ratio Lower Upper

113 100

111 100.5 81.1 121.7

192 17.3 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.160 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022760.D

Acq: 20 Jun 2025 12:14

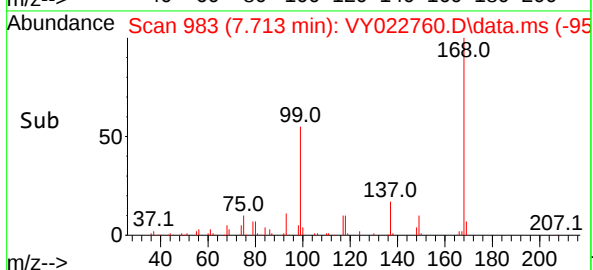
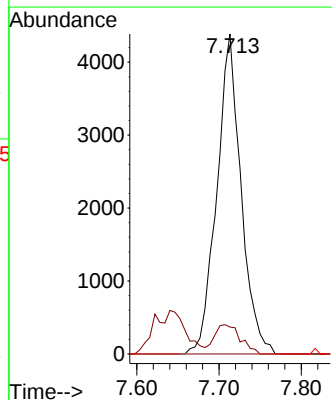
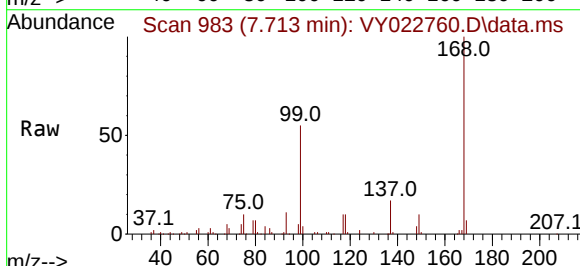
Tgt Ion: 75 Resp: 8978

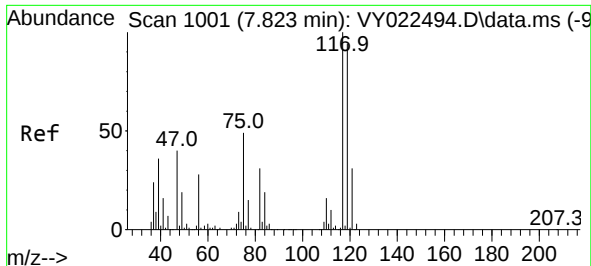
Ion Ratio Lower Upper

75 100

110 9.8 16.9 50.7#

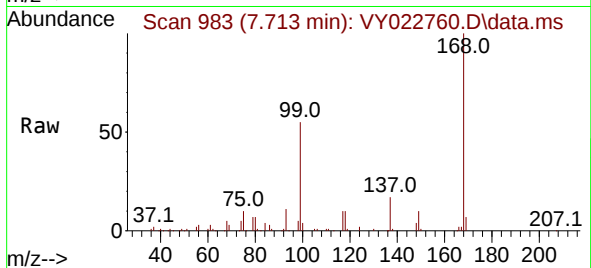
77 0.0 24.8 37.2#



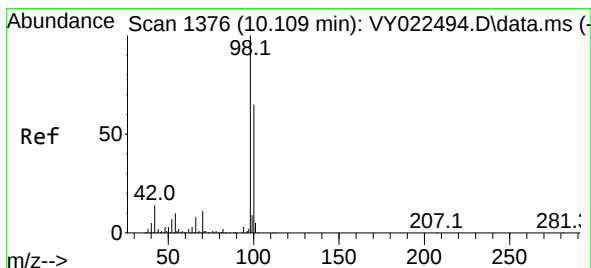
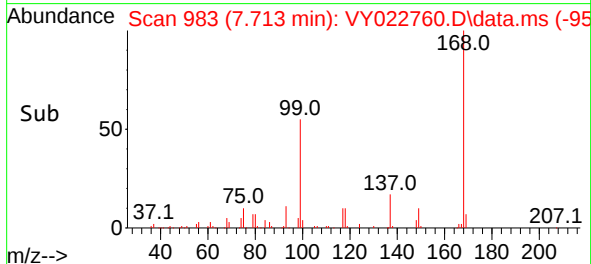
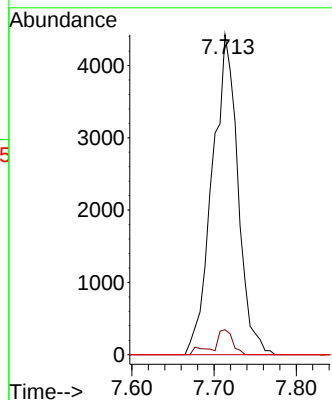


#38
Carbon Tetrachloride
Concen: 5.382 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022760.D
Acq: 20 Jun 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :

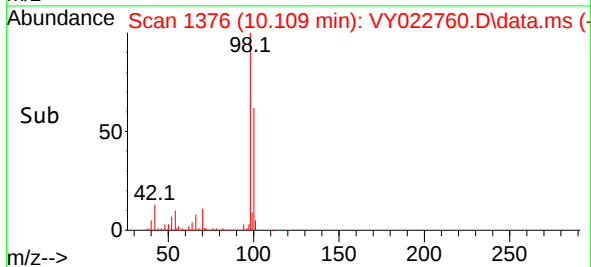
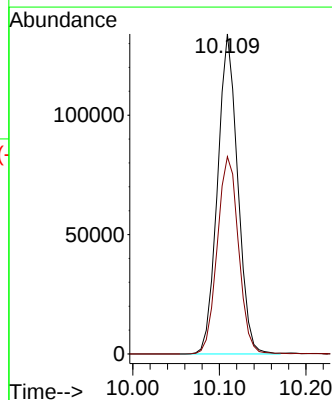
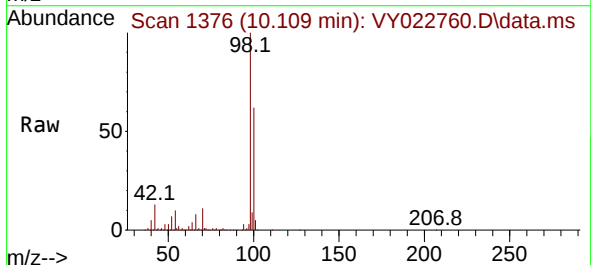


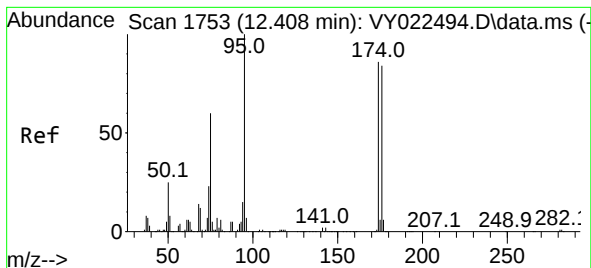
Tgt Ion:117 Resp: 9606
Ion Ratio Lower Upper
117 100
119 7.8 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.006 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022760.D
Acq: 20 Jun 2025 12:14

Tgt Ion: 98 Resp: 216594
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0

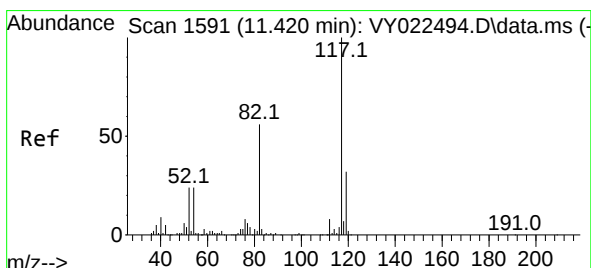
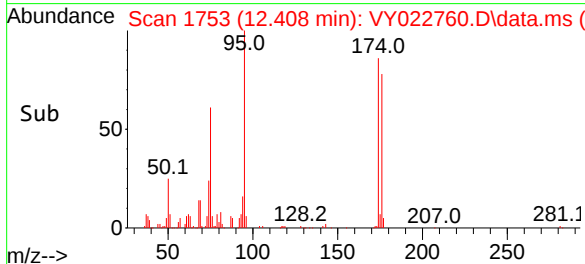
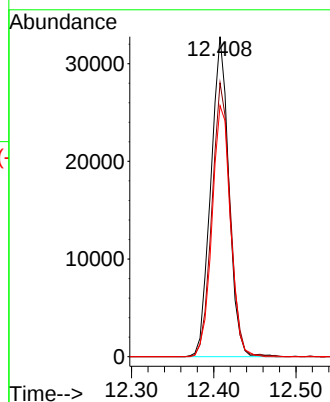
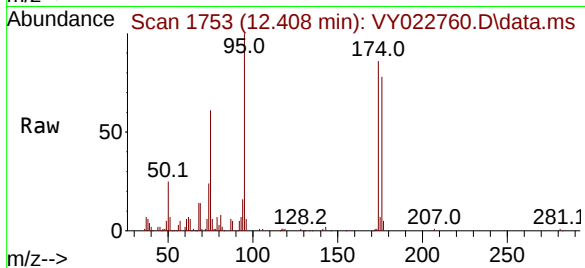




#62
4-Bromofluorobenzene
Concen: 38.743 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022760.D
Acq: 20 Jun 2025 12:14

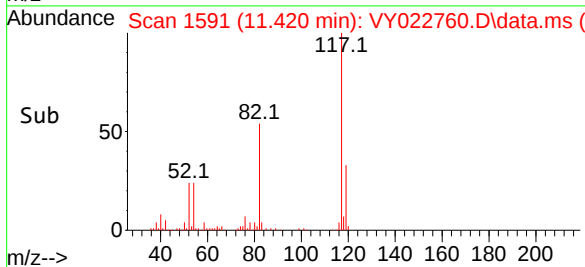
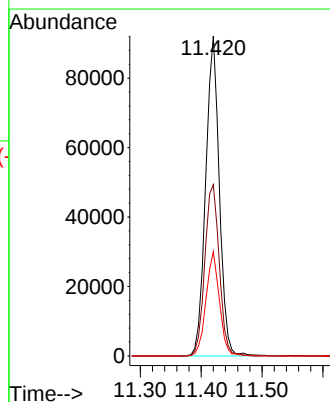
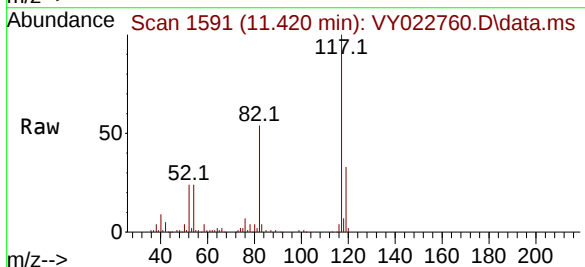
Instrument :
MSVOA_Y
ClientSampleId :

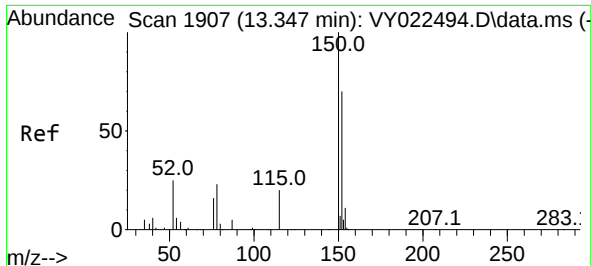
Tgt Ion: 95 Resp: 49998
Ion Ratio Lower Upper
95 100
174 86.9 0.0 170.0
176 80.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY022760.D
Acq: 20 Jun 2025 12:14

Tgt Ion: 117 Resp: 143517
Ion Ratio Lower Upper
117 100
82 53.5 44.6 66.8
119 32.6 25.4 38.0

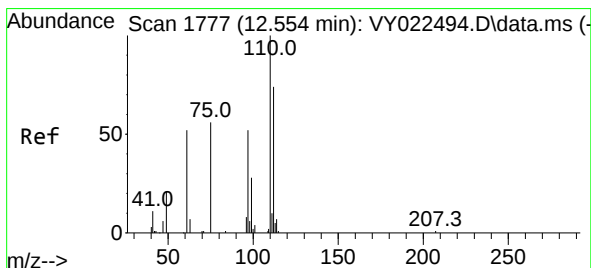
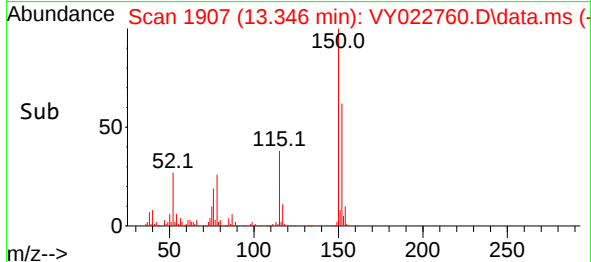
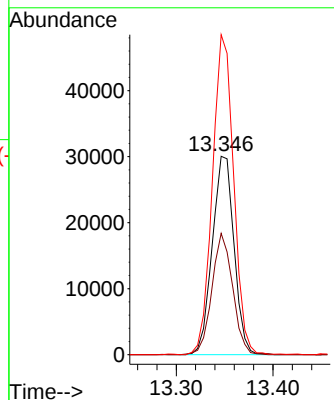
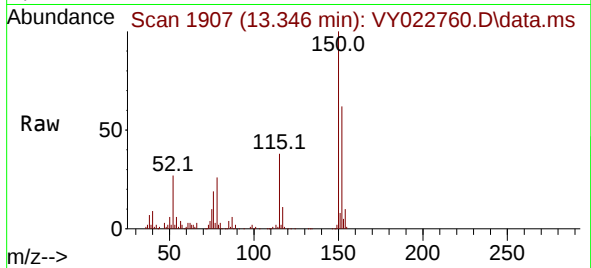




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022760.D
 Acq: 20 Jun 2025 12:14

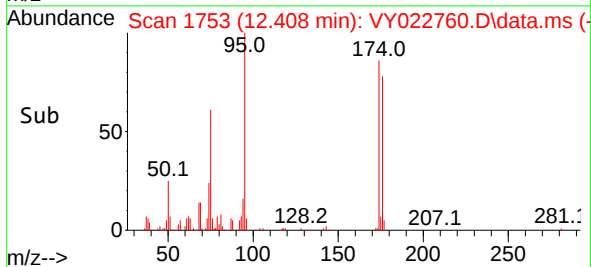
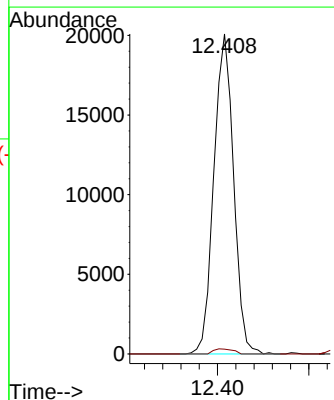
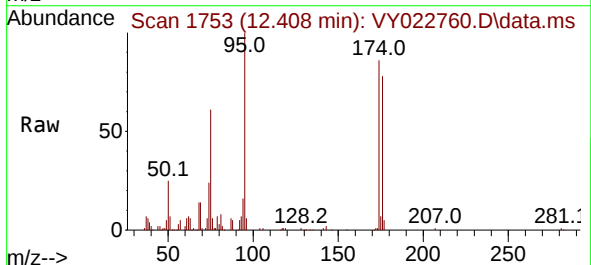
Instrument :
 MSVOA_Y
 ClientSampleId :

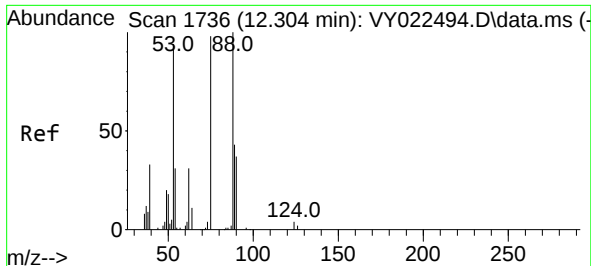
Tgt Ion:152 Resp: 47021
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.9 86.7
 150 157.0 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 55.930 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022760.D
 Acq: 20 Jun 2025 12:14

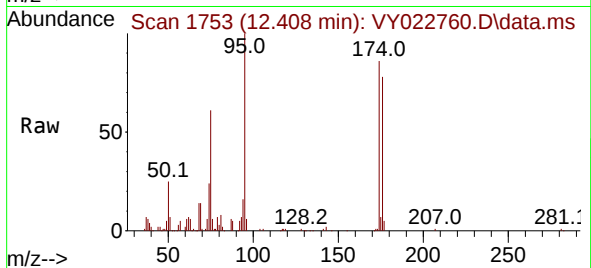
Tgt Ion: 75 Resp: 30087
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



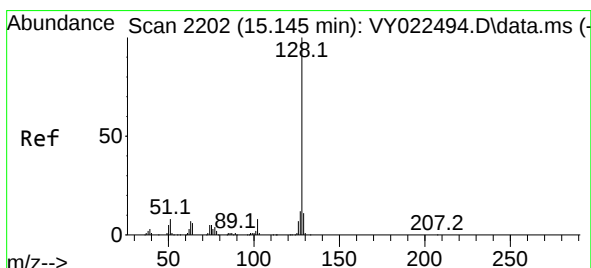
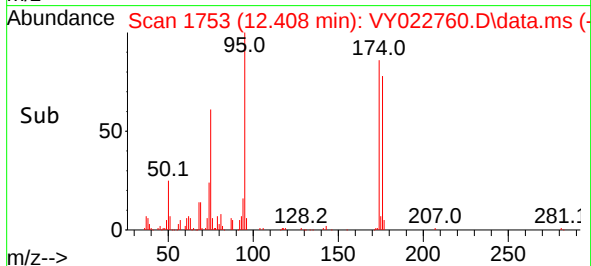
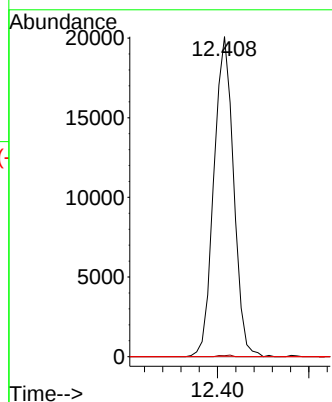


#81
trans-1,4-Dichloro-2-butene
Concen: 135.068 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022760.D
Acq: 20 Jun 2025 12:14

Instrument :
MSVOA_Y
ClientSampleId :

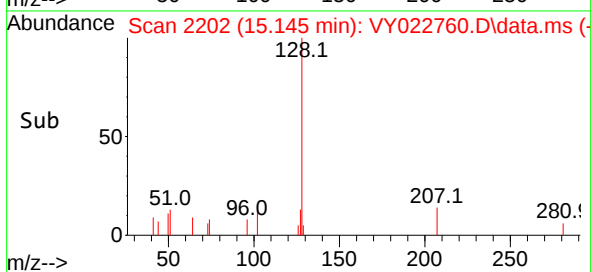
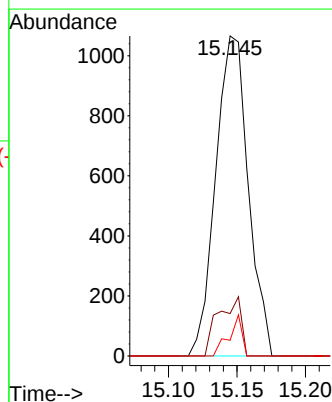
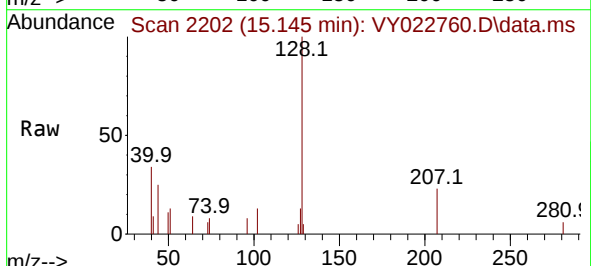


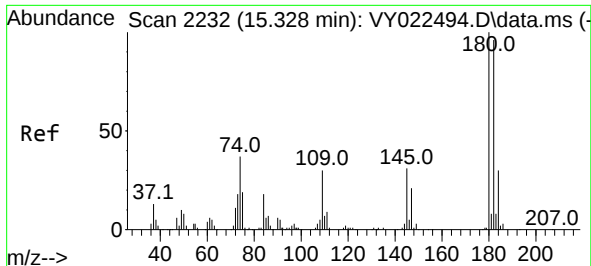
Tgt Ion: 75 Resp: 30087
Ion Ratio Lower Upper
75 100
53 0.3 78.5 117.7#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 1.204 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022760.D
Acq: 20 Jun 2025 12:14

Tgt Ion: 128 Resp: 1766
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 5.1 8.9 13.3#





#96

1,2,3-Trichlorobenzene

Concen: 1.053 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.000 min

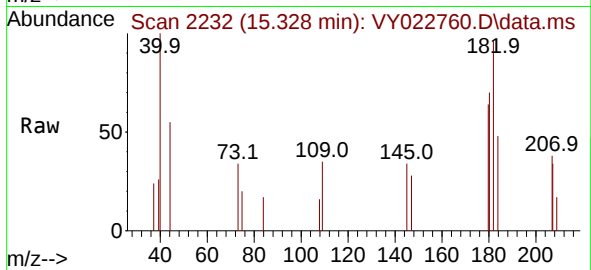
Lab File: VY022760.D

Acq: 20 Jun 2025 12:14

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 690

Ion Ratio Lower Upper

180 100

182 87.4 47.1 141.3

145 17.4 15.2 45.6

