

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022752.D
 Acq On : 19 Jun 2025 13:48
 Operator : SY/MD
 Sample : Q2364-02
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GAV1B

Quant Time: Jun 20 02:59:06 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)

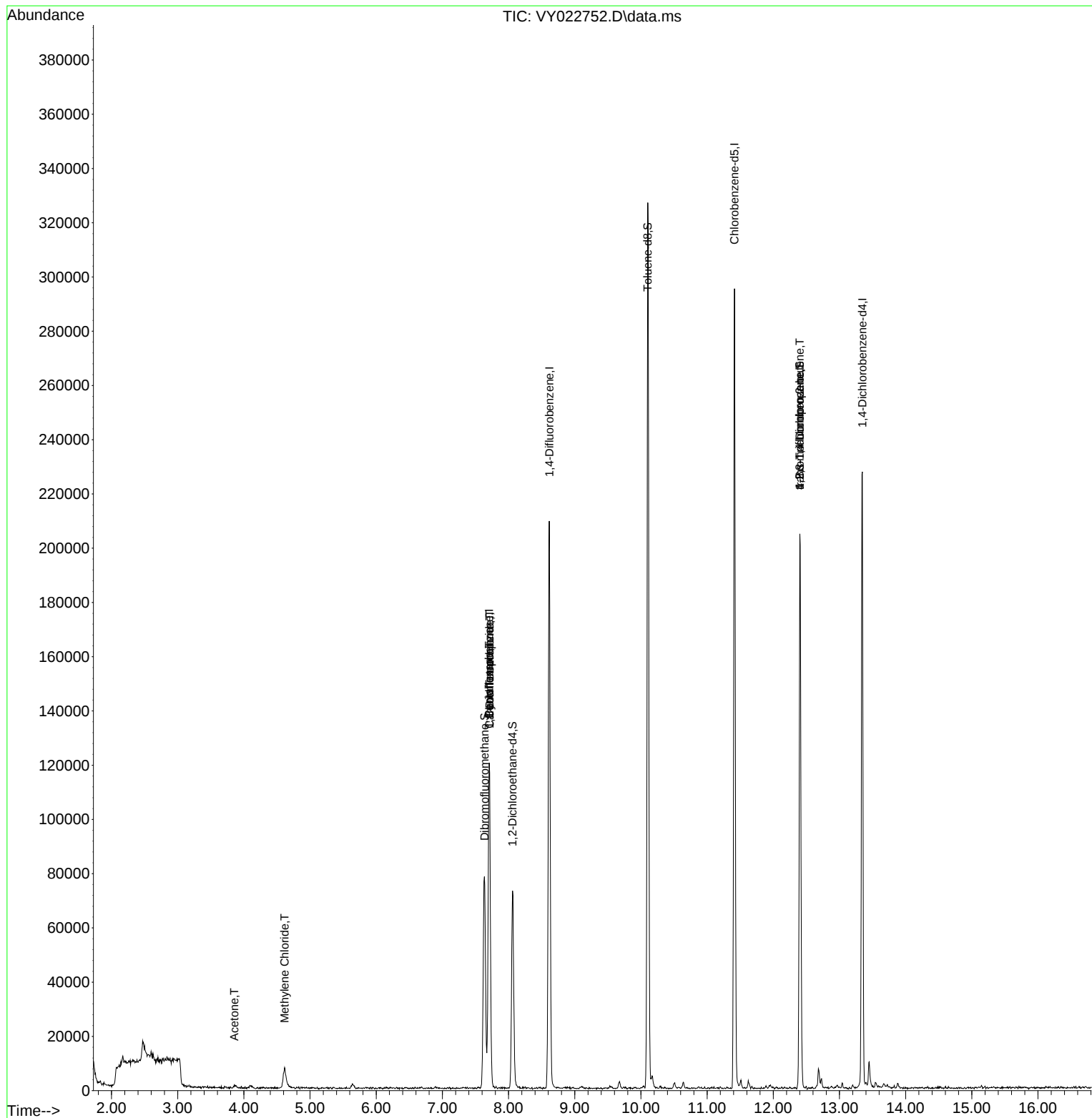
Internal Standards						
1) Pentafluorobenzene	7.707	168	89285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	170451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	144046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	53874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55857	55.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.880%	
35) Dibromofluoromethane	7.640	113	55951	54.995	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.980%	
50) Toluene-d8	10.103	98	206564	50.248	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.500%	
62) 4-Bromofluorobenzene	12.401	95	51629	42.152	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.300%	
Target Compounds						
					Qvalue	
16) Acetone	3.854	43	1683	8.299	ug/l #	82
20) Methylene Chloride	4.616	84	4766	4.137	ug/l #	89
31) Cyclohexane	7.707	56	2390	1.246	ug/l #	8
36) 1,1-Dichloropropene	7.713	75	8907	5.394	ug/l #	50
38) Carbon Tetrachloride	7.713	117	9515	5.617	ug/l #	18
76) 1,2,3-Trichloropropane	12.401	75	32026	51.962	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	32026	125.484	ug/l #	11

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

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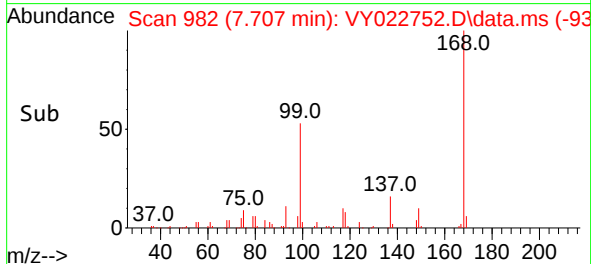
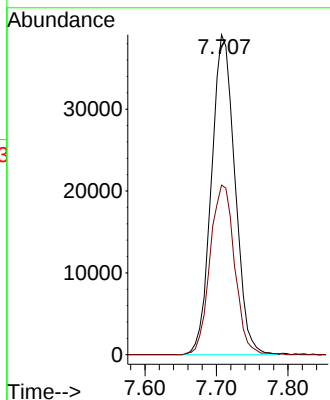
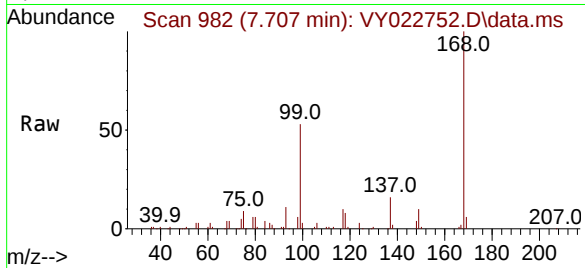




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

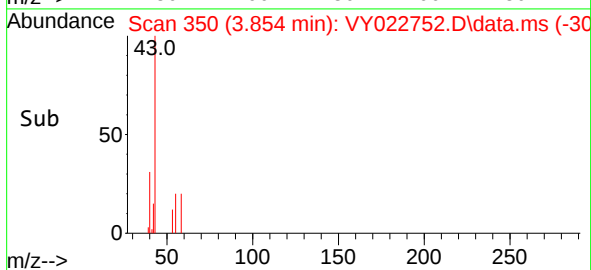
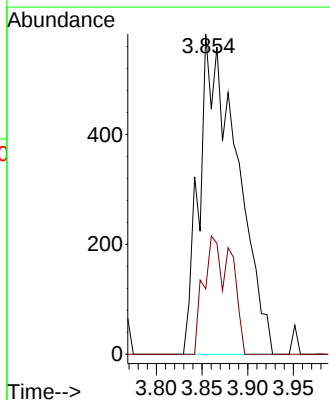
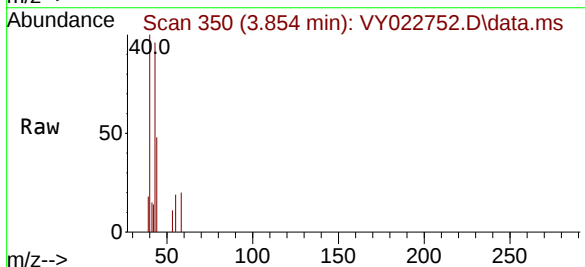
Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

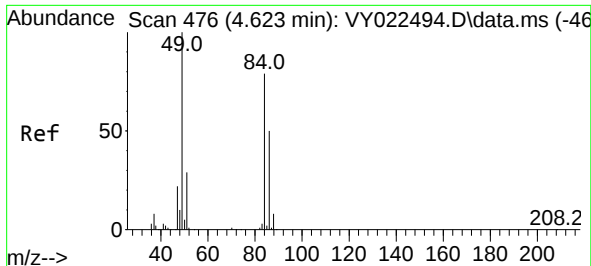
Tgt Ion:168 Resp: 89285
Ion Ratio Lower Upper
168 100
99 53.0 44.3 66.5



#16
Acetone
Concen: 8.299 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.025 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Tgt Ion: 43 Resp: 1683
Ion Ratio Lower Upper
43 100
58 20.4 24.0 36.0#

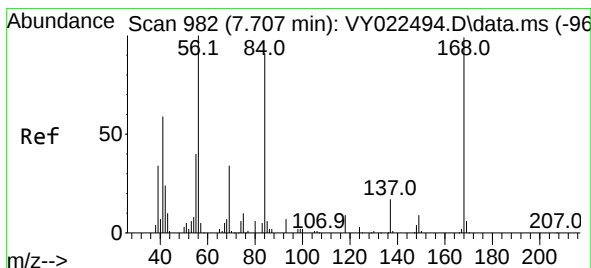
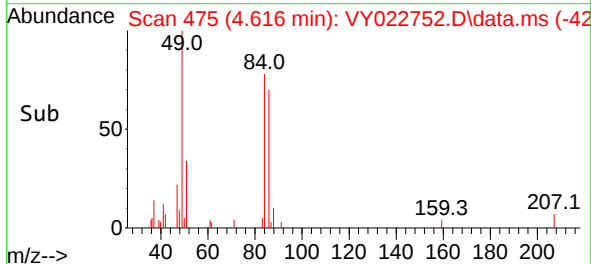
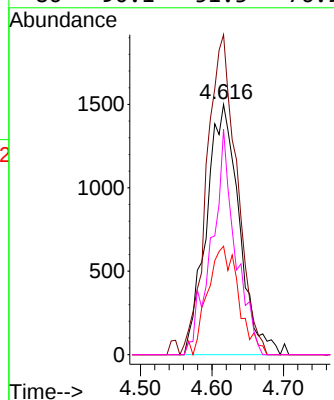
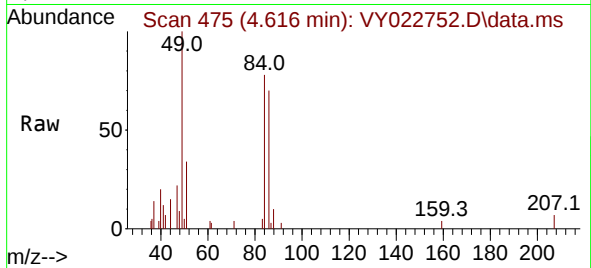




#20
Methylene Chloride
Concen: 4.137 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

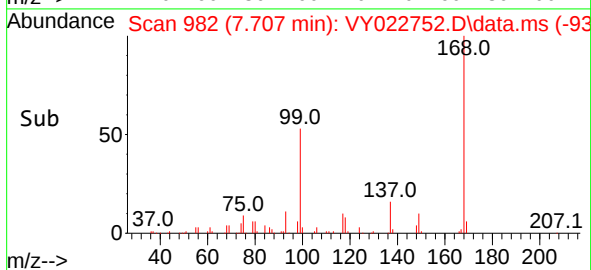
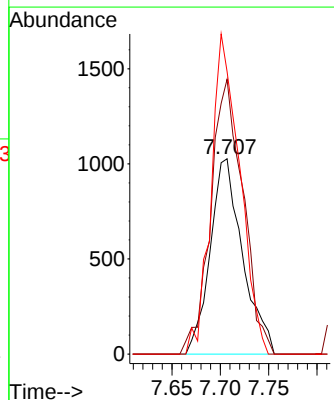
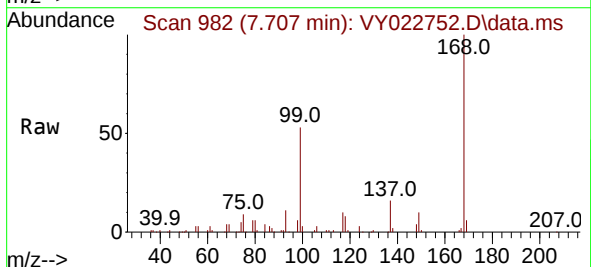
Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

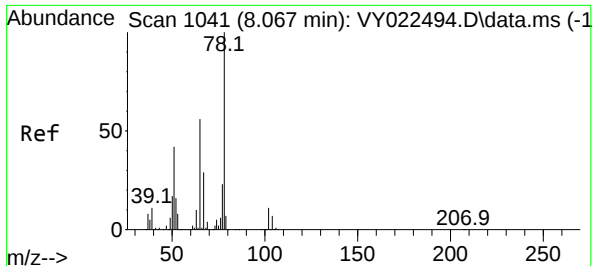
Tgt Ion:	84	Resp:	4766
Ion	Ratio	Lower	Upper
84	100		
49	127.9	101.9	152.9
51	43.3	29.8	44.8
86	90.1	51.3	76.9



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Tgt Ion:	56	Resp:	2390
Ion	Ratio	Lower	Upper
56	100		
69	140.7	27.0	40.6
84	144.6	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 55.935 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.006 min

Lab File: VY022752.D

Acq: 19 Jun 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

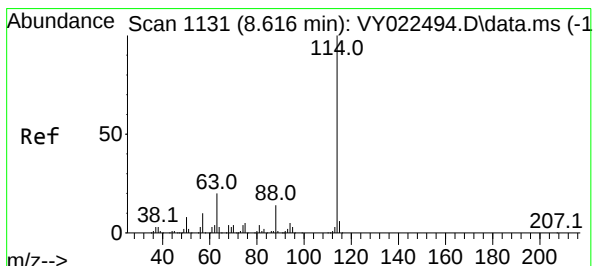
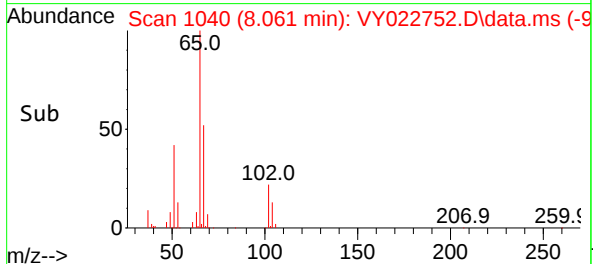
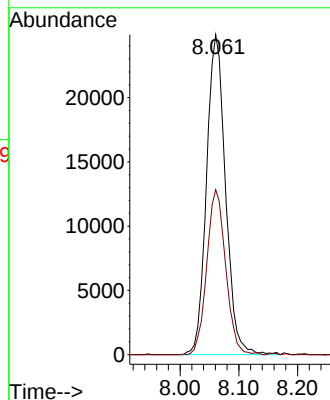
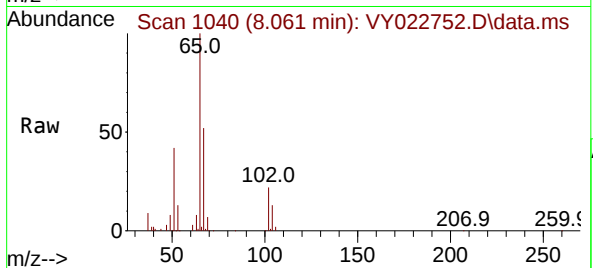
GAV1B

Tgt Ion: 65 Resp: 55857

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022752.D

Acq: 19 Jun 2025 13:48

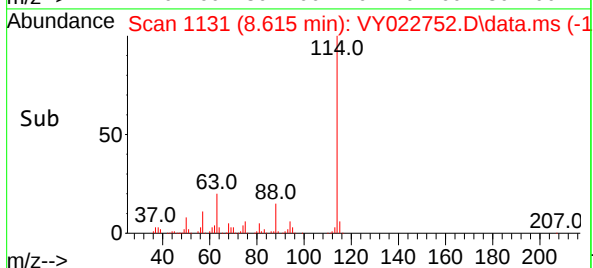
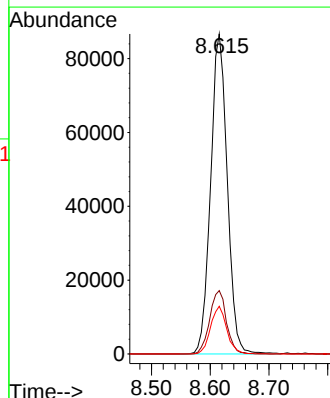
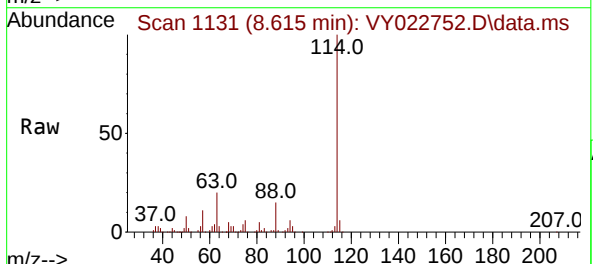
Tgt Ion: 114 Resp: 170451

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 54.995 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022752.D

Acq: 19 Jun 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

GAV1B

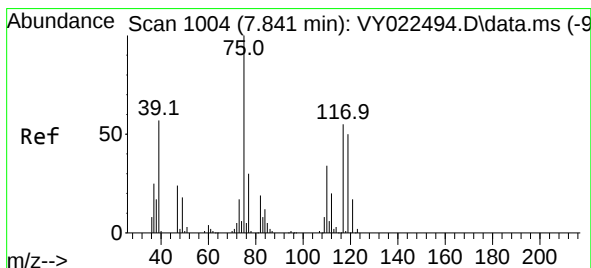
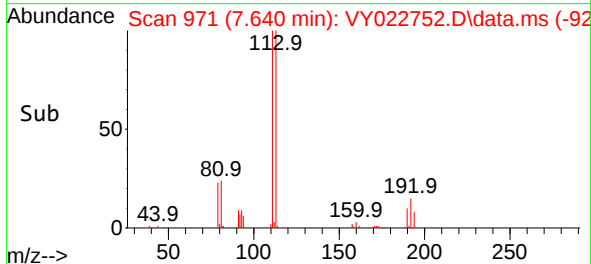
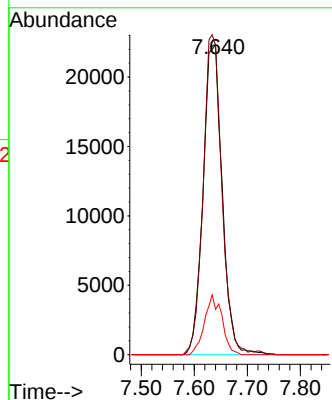
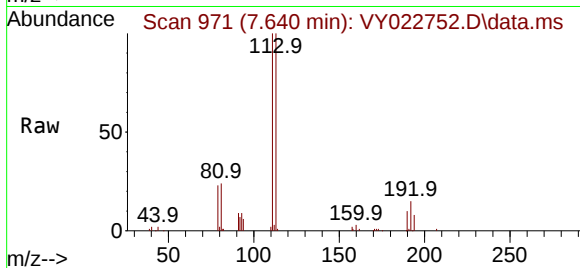
Tgt Ion:113 Resp: 55951

Ion Ratio Lower Upper

113 100

111 100.4 81.1 121.7

192 17.6 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.394 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY022752.D

Acq: 19 Jun 2025 13:48

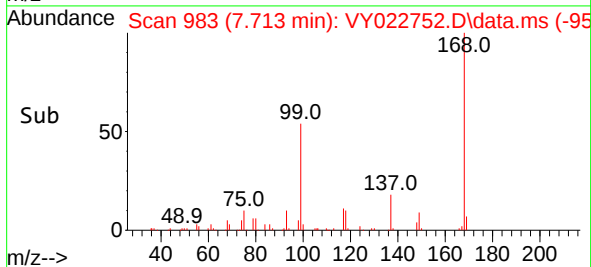
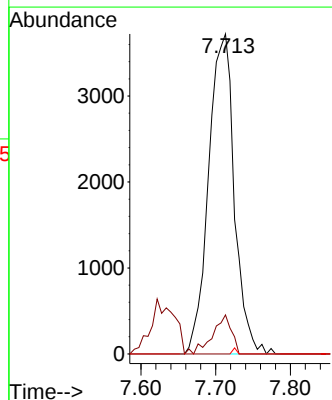
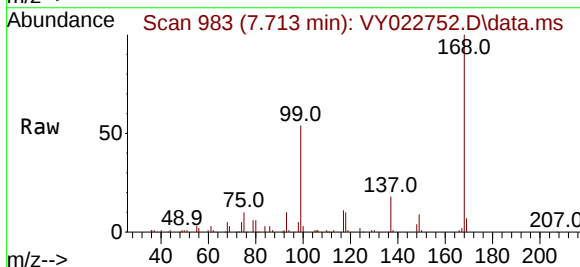
Tgt Ion: 75 Resp: 8907

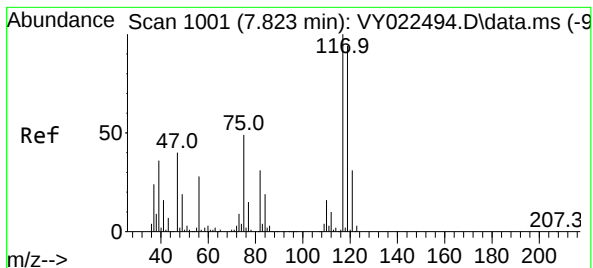
Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

77 0.3 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.617 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY022752.D

Acq: 19 Jun 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

GAV1B

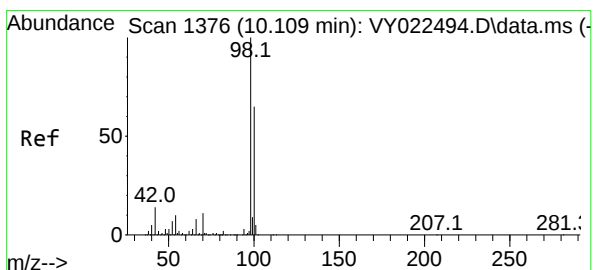
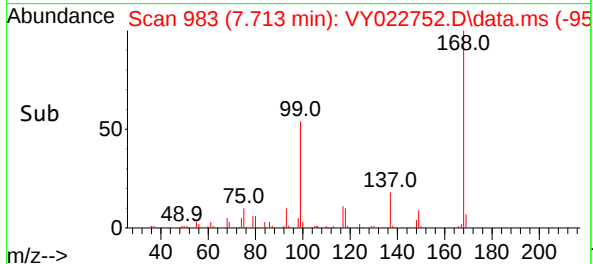
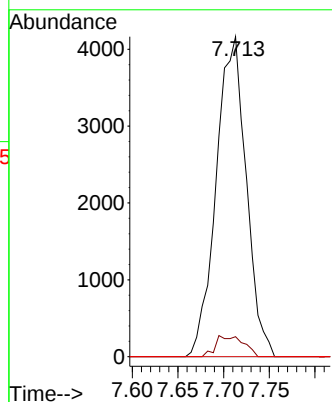
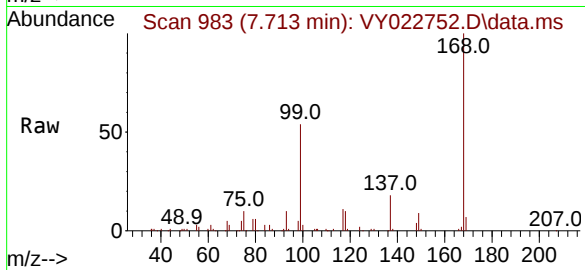
Tgt Ion:117 Resp: 9515

Ion Ratio Lower Upper

117 100

119 6.2 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.248 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022752.D

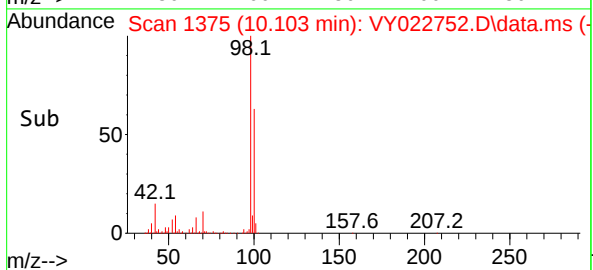
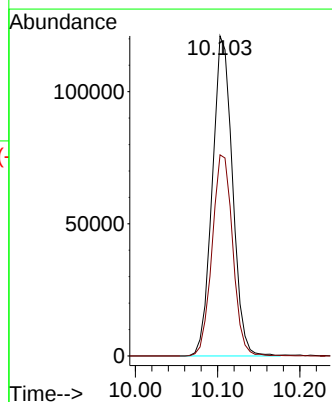
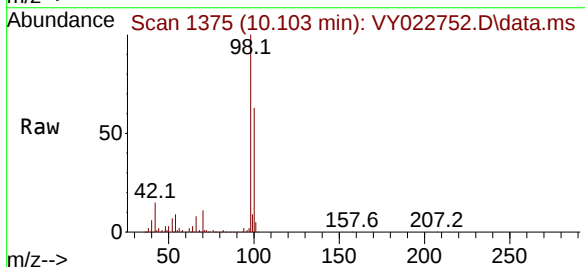
Acq: 19 Jun 2025 13:48

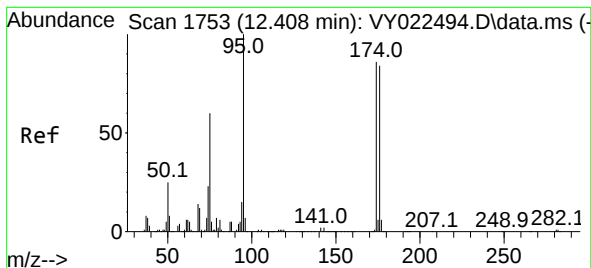
Tgt Ion: 98 Resp: 206564

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0

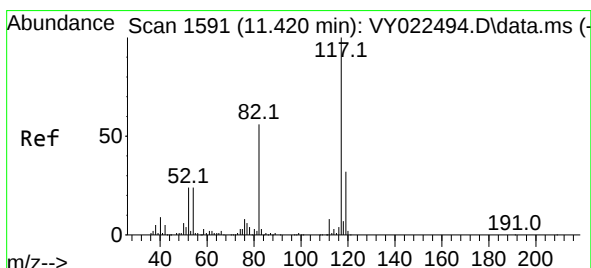
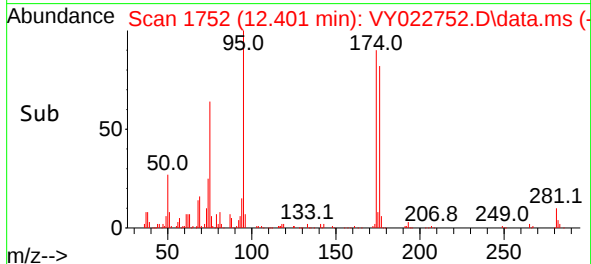
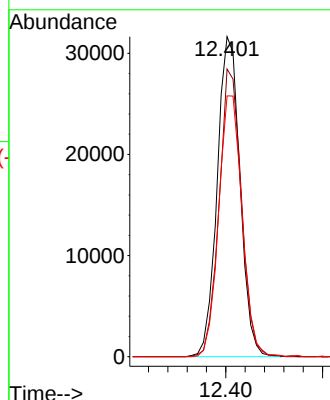
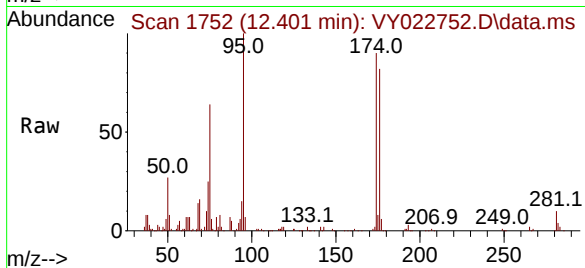




#62
4-Bromofluorobenzene
Concen: 42.152 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

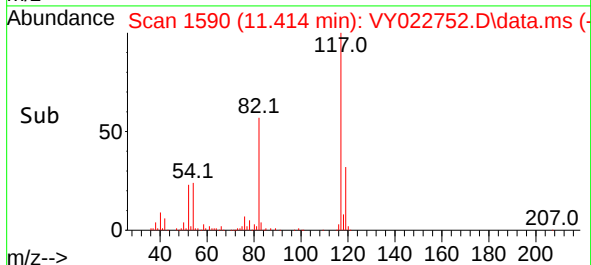
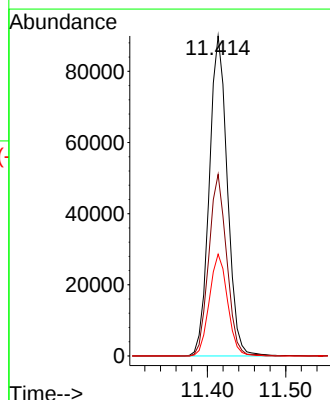
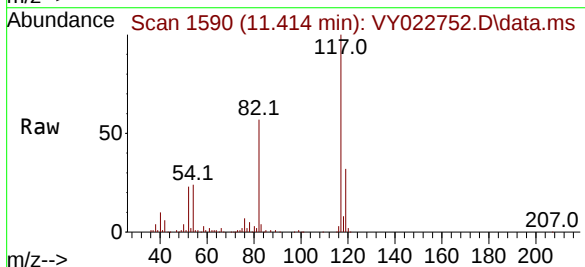
Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

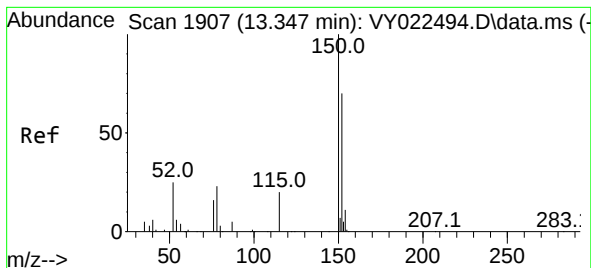
Tgt Ion: 95 Resp: 51629
Ion Ratio Lower Upper
95 100
174 88.0 0.0 170.0
176 84.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Tgt Ion: 117 Resp: 144046
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 31.8 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: VY022752.D

Acq: 19 Jun 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

GAV1B

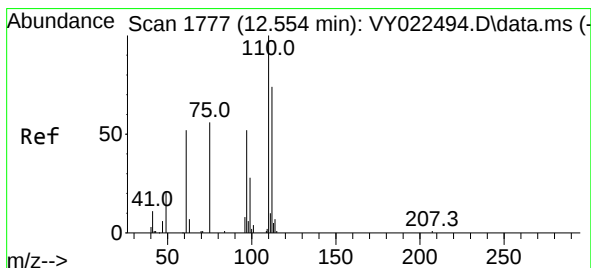
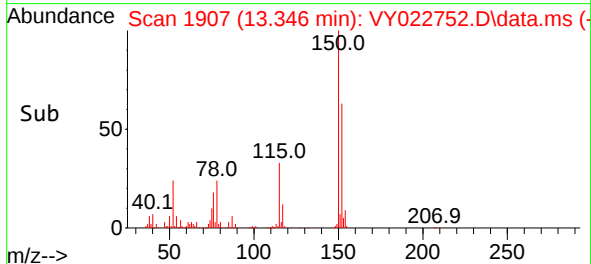
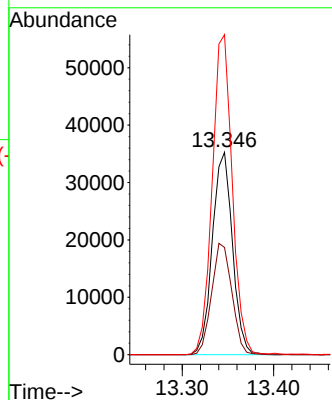
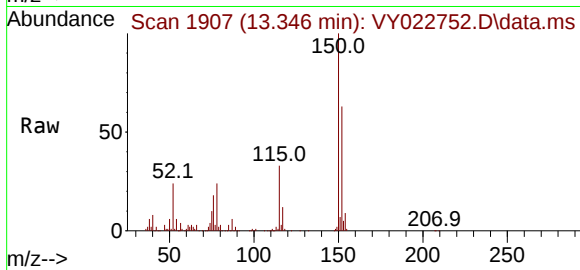
Tgt Ion:152 Resp: 53874

Ion Ratio Lower Upper

152 100

115 55.4 28.9 86.7

150 157.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 51.962 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022752.D

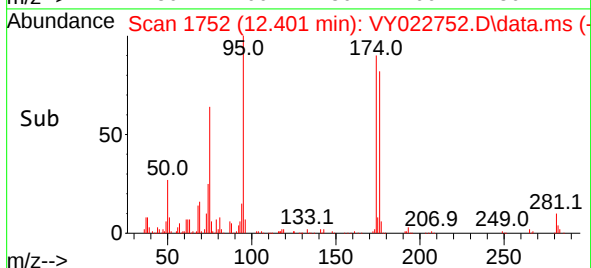
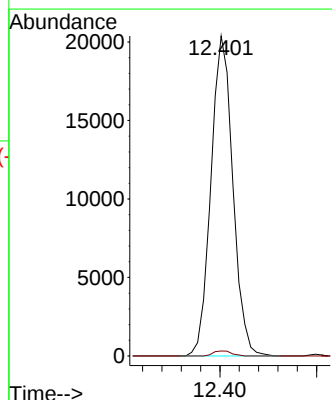
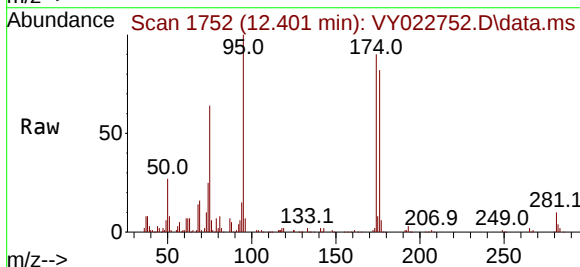
Acq: 19 Jun 2025 13:48

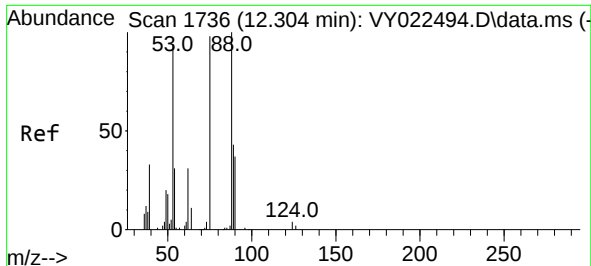
Tgt Ion: 75 Resp: 32026

Ion Ratio Lower Upper

75 100

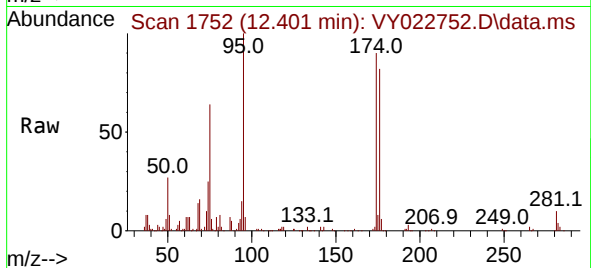
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 125.484 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B



Tgt Ion:	75	Resp:	32026
Ion	Ratio	Lower	Upper
75	100		
53	0.1	78.5	117.7#
89	0.4	35.7	53.5#

