

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023284.D
 Acq On : 04 Sep 2025 13:09
 Operator : SY/MD
 Sample : Q3012-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 05 04:25:07 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)

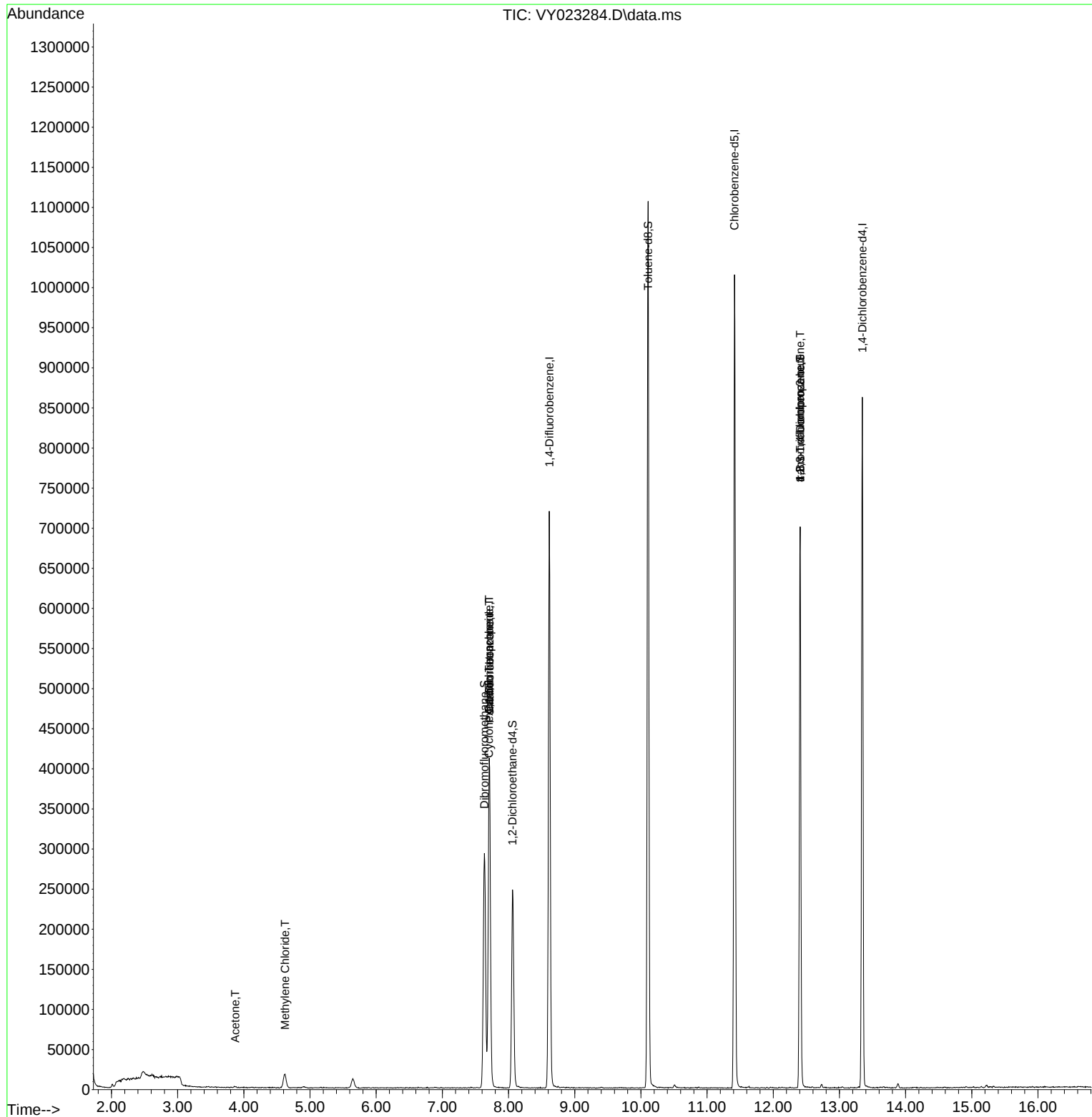
Internal Standards						
1) Pentafluorobenzene	7.713	168	342442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	619490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	569990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	226771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	193473	59.280	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.560%			
35) Dibromofluoromethane	7.634	113	214903	57.975	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.940%			
50) Toluene-d8	10.109	98	739733	51.083	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.407	95	214766	46.116	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.240%			
Target Compounds					Qvalue	
16) Acetone	3.872	43	2028	2.868	ug/l	95
20) Methylene Chloride	4.622	84	13690	1.066	ug/l	87
31) Cyclohexane	7.701	56	6081	1.000	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	23755	4.312	ug/l #	49
38) Carbon Tetrachloride	7.707	117	31053	5.190	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	109388	49.981	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	109388	120.989	ug/l #	14

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

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Quant Time: Sep 05 04:25:07 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

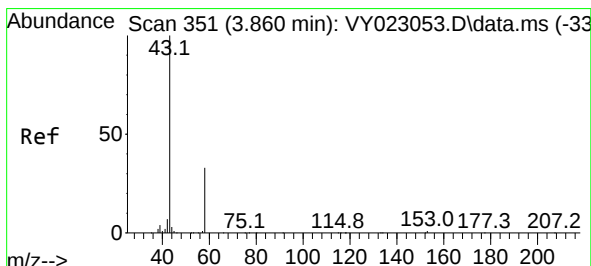
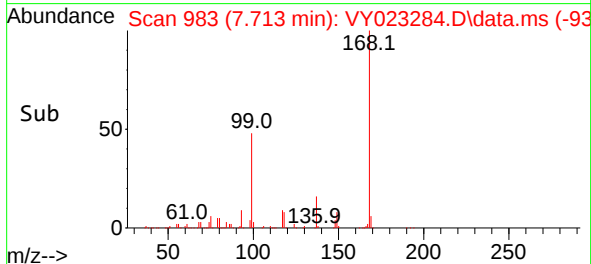
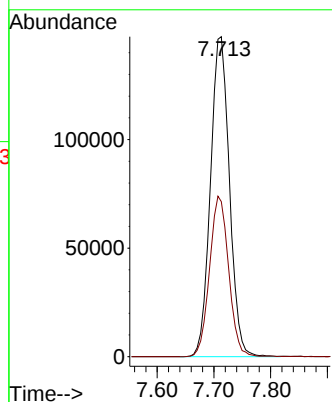
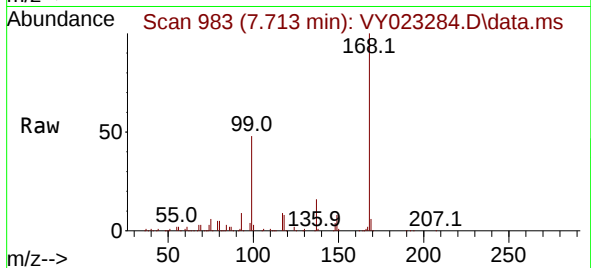




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

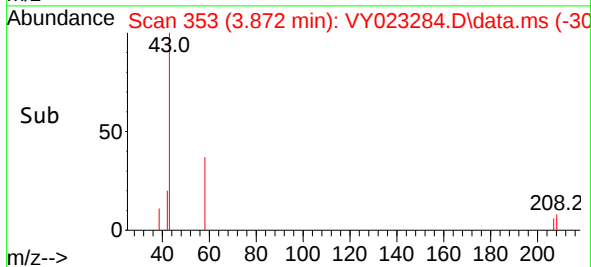
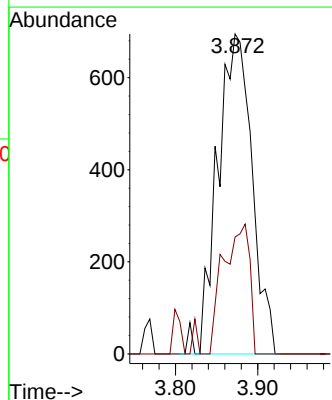
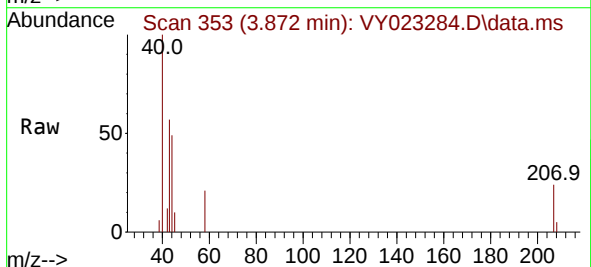
Instrument :
MSVOA_Y
ClientSampleId :

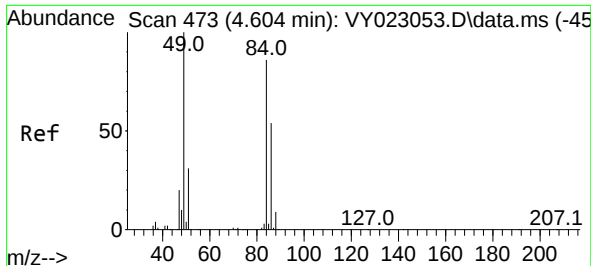
Tgt Ion:168 Resp: 342442
Ion Ratio Lower Upper
168 100
99 48.5 42.8 64.2



#16
Acetone
Concen: 2.868 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

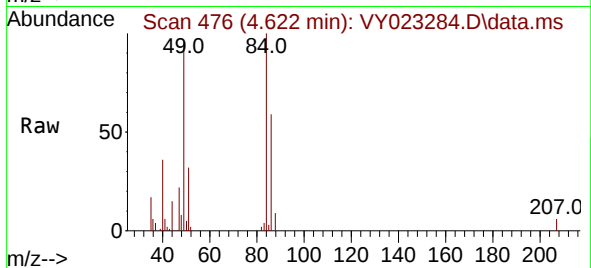
Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
58 36.5 27.1 40.7



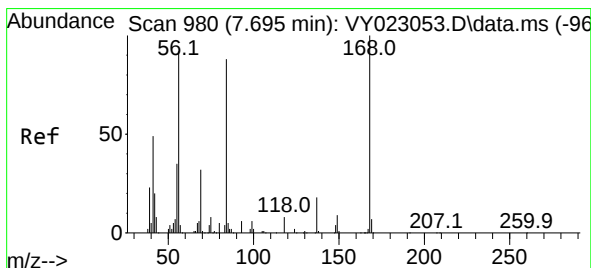
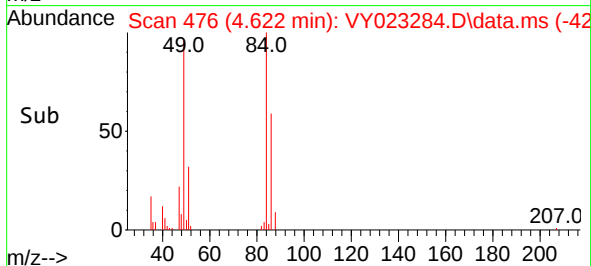
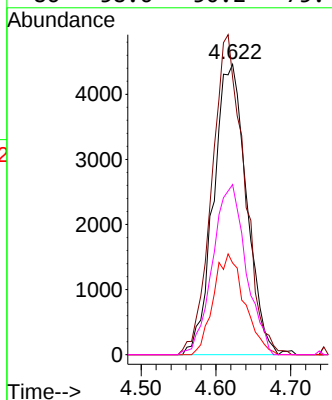


#20
Methylene Chloride
Concen: 1.066 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :

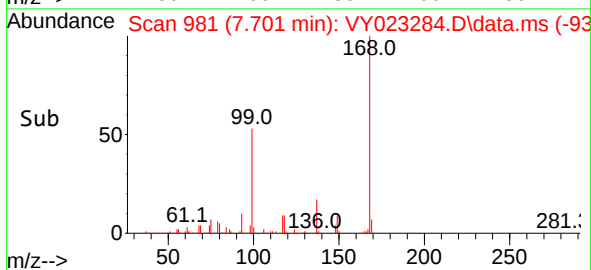
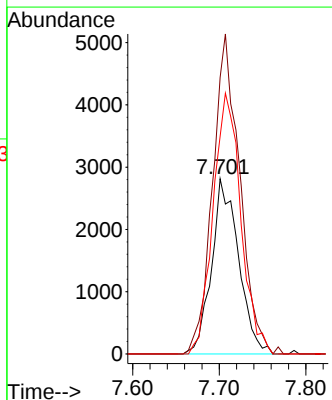
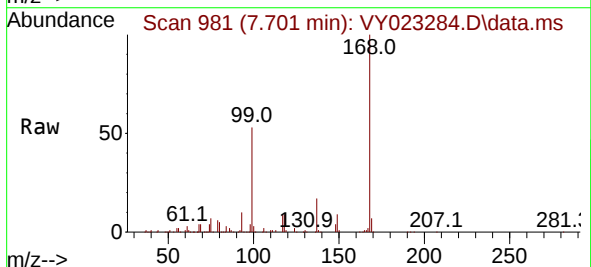


Tgt Ion:	84	Resp:	13690
Ion	Ratio	Lower	Upper
84	100		
49	95.5	93.0	139.6
51	31.6	29.0	43.4
86	58.6	50.2	75.4



#31
Cyclohexane
Concen: 1.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Tgt Ion:	56	Resp:	6081
Ion	Ratio	Lower	Upper
56	100		
69	157.8	28.2	42.2#
84	124.2	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 59.280 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023284.D

Acq: 04 Sep 2025 13:09

Instrument :

MSVOA_Y

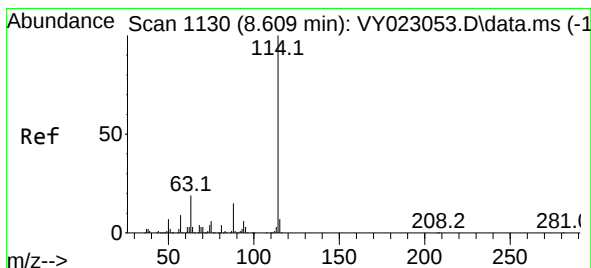
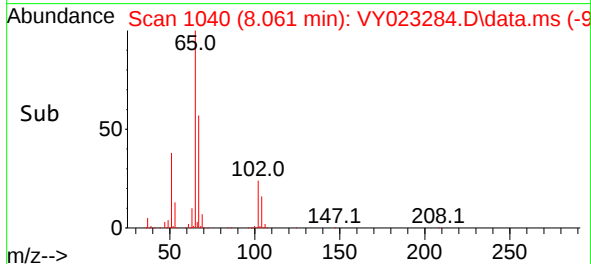
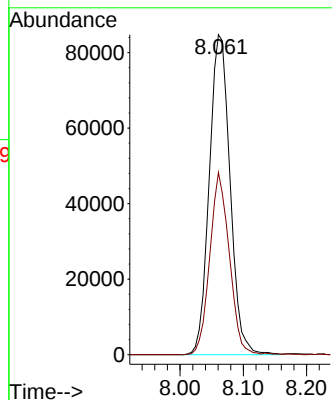
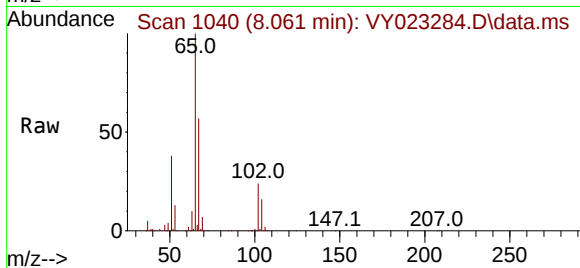
ClientSampleId :

Tgt Ion: 65 Resp: 193473

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023284.D

Acq: 04 Sep 2025 13:09

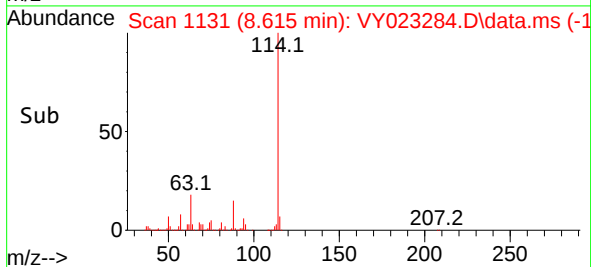
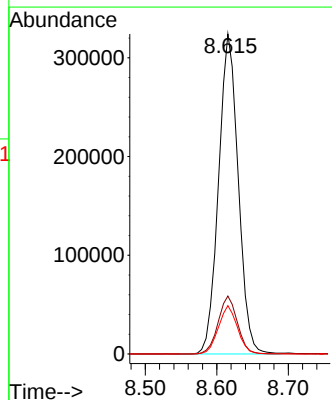
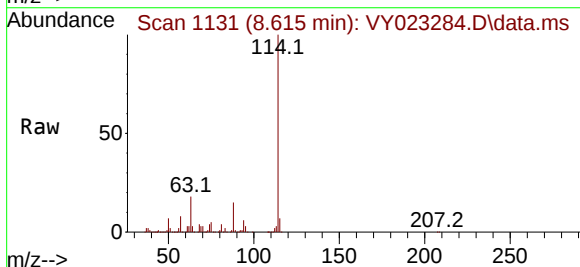
Tgt Ion: 114 Resp: 619490

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

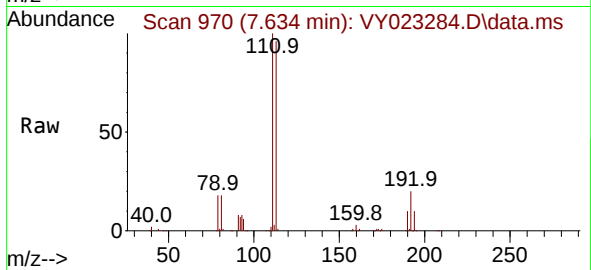
88 15.1 0.0 30.0



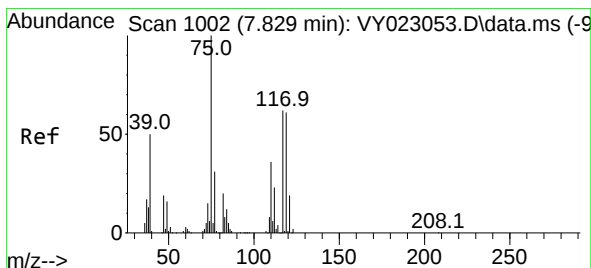
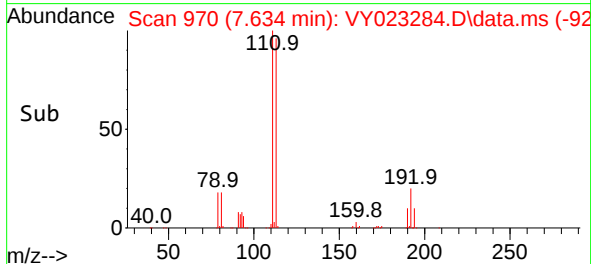
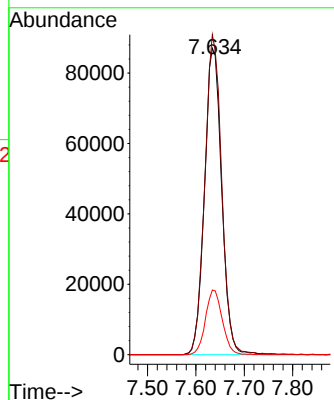


#35
Dibromofluoromethane
Concen: 57.975 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Instrument :
MSVOA_Y
ClientSampleId :

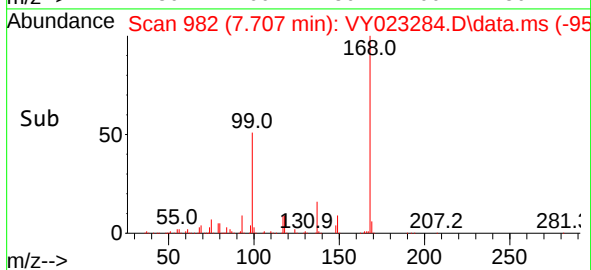
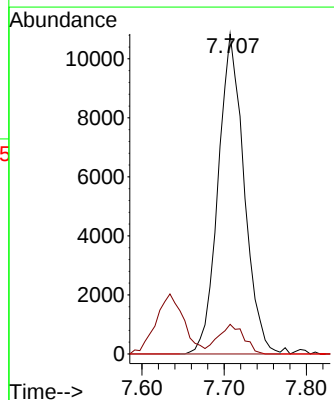
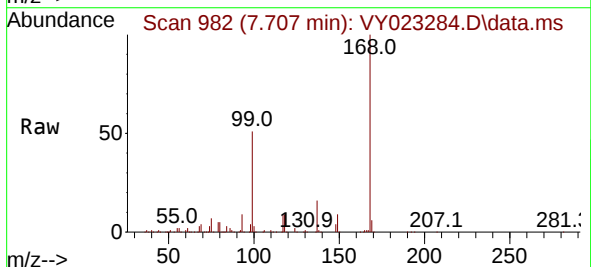


Tgt Ion:113 Resp: 214903
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 20.7 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.312 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 75 Resp: 23755
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 24.6 37.0#

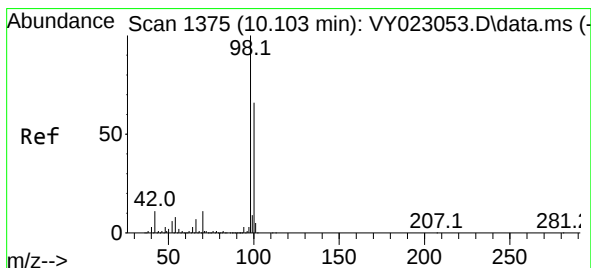
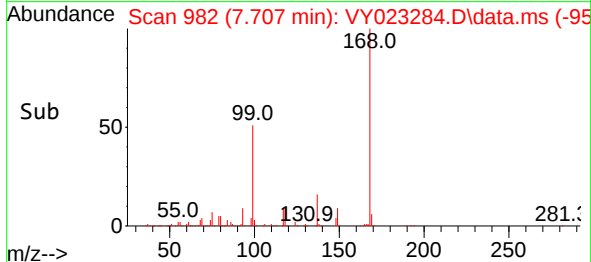
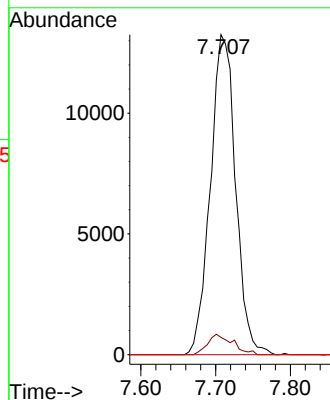
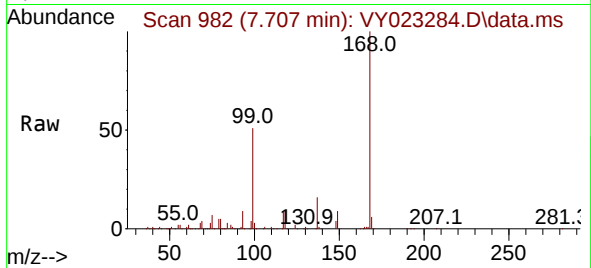




#38
Carbon Tetrachloride
Concen: 5.190 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

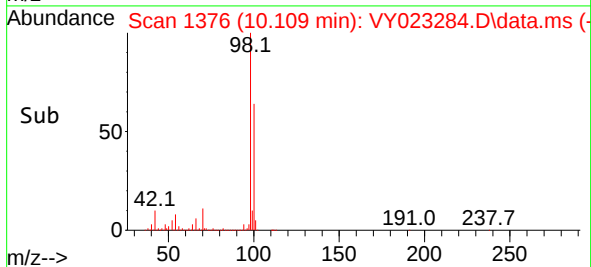
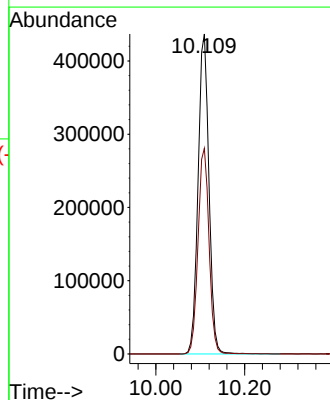
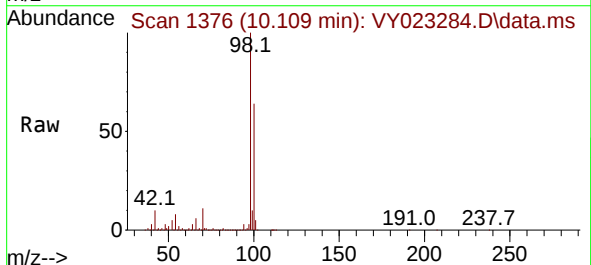
Instrument :
MSVOA_Y
ClientSampleId :

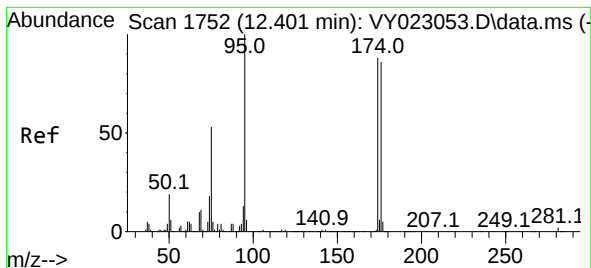
Tgt Ion:117 Resp: 31053
Ion Ratio Lower Upper
117 100
119 5.4 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.083 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023284.D
Acq: 04 Sep 2025 13:09

Tgt Ion: 98 Resp: 739733
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 46.116 ug/l

RT: 12.407 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023284.D

Acq: 04 Sep 2025 13:09

Instrument :

MSVOA_Y

ClientSampleId :

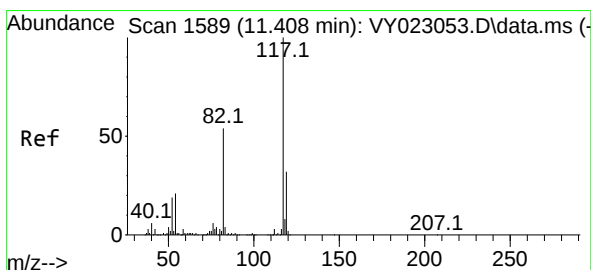
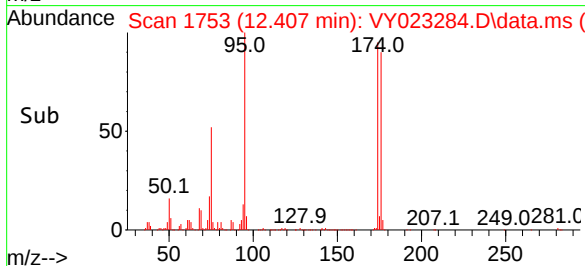
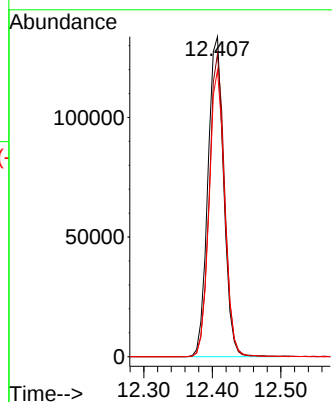
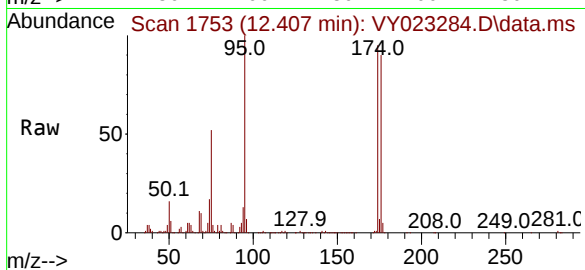
Tgt Ion: 95 Resp: 214766

Ion Ratio Lower Upper

95 100

174 92.8 0.0 171.6

176 88.3 0.0 167.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.006 min

Lab File: VY023284.D

Acq: 04 Sep 2025 13:09

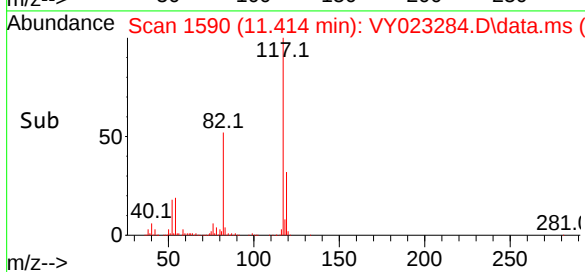
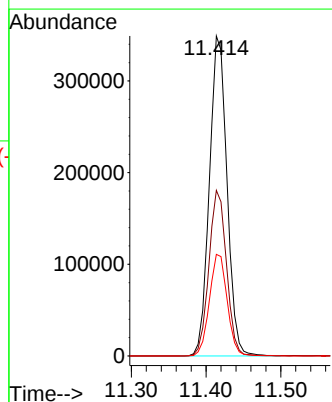
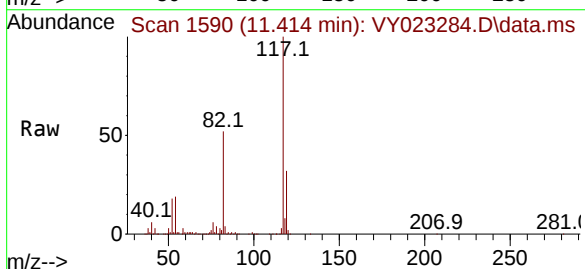
Tgt Ion: 117 Resp: 569990

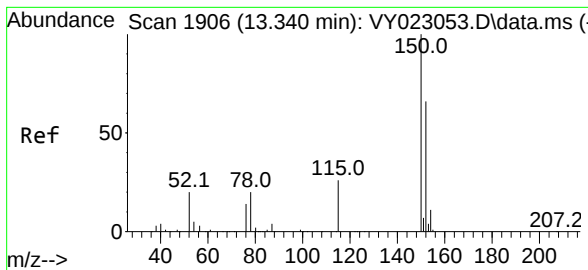
Ion Ratio Lower Upper

117 100

82 51.8 43.4 65.0

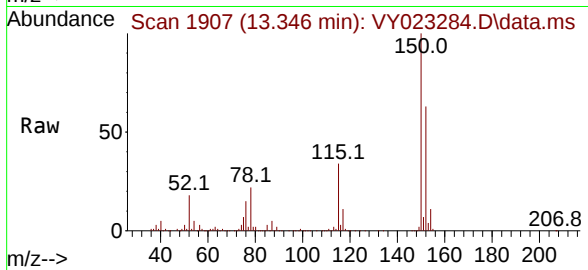
119 31.7 25.6 38.4



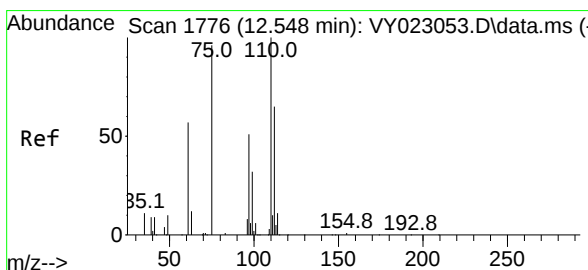
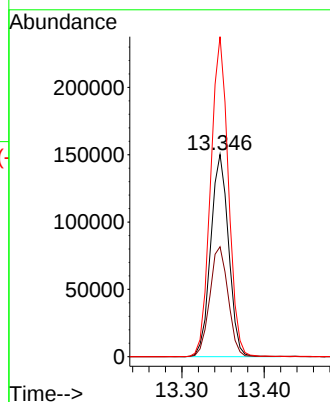
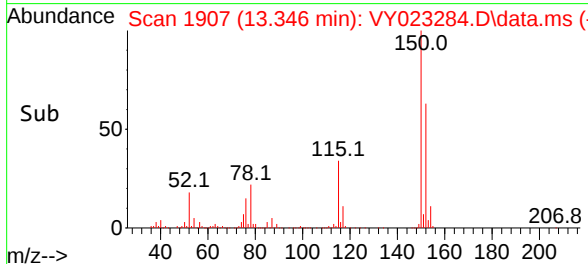


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023284.D
 Acq: 04 Sep 2025 13:09

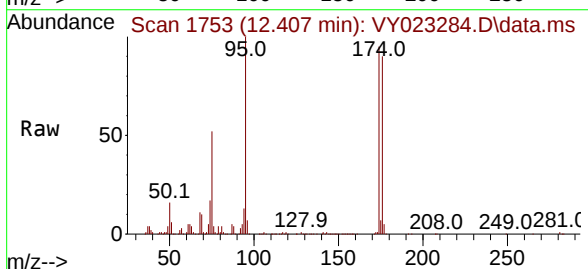
Instrument :
 MSVOA_Y
 ClientSampleId :



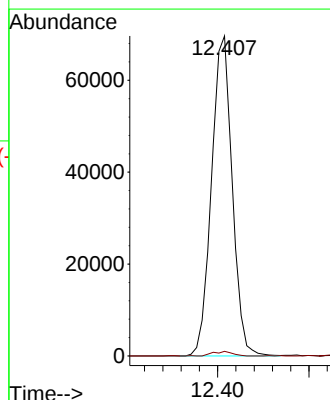
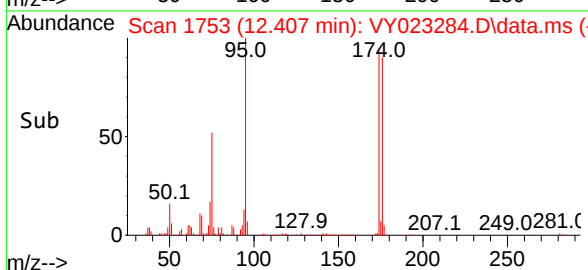
Tgt Ion:152 Resp: 226771
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.2 84.6
 150 156.6 0.0 348.0

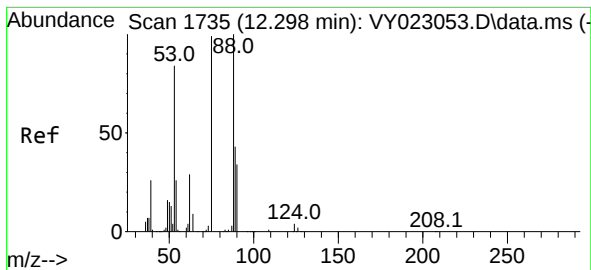


#76
 1,2,3-Trichloropropane
 Concen: 49.981 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.140 min
 Lab File: VY023284.D
 Acq: 04 Sep 2025 13:09



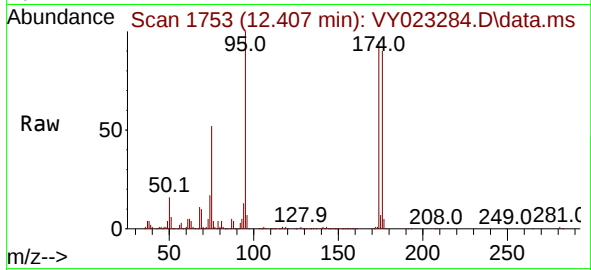
Tgt Ion: 75 Resp: 109388
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.989 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023284.D
 Acq: 04 Sep 2025 13:09

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 109388
 Ion Ratio Lower Upper
 75 100
 53 0.3 70.8 106.2#
 89 0.1 38.1 57.1#

