

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022288.D
 Acq On : 16 May 2025 14:04
 Operator : SY/MD
 Sample : Q1982-03
 Misc : 1076g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: May 17 01:33:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

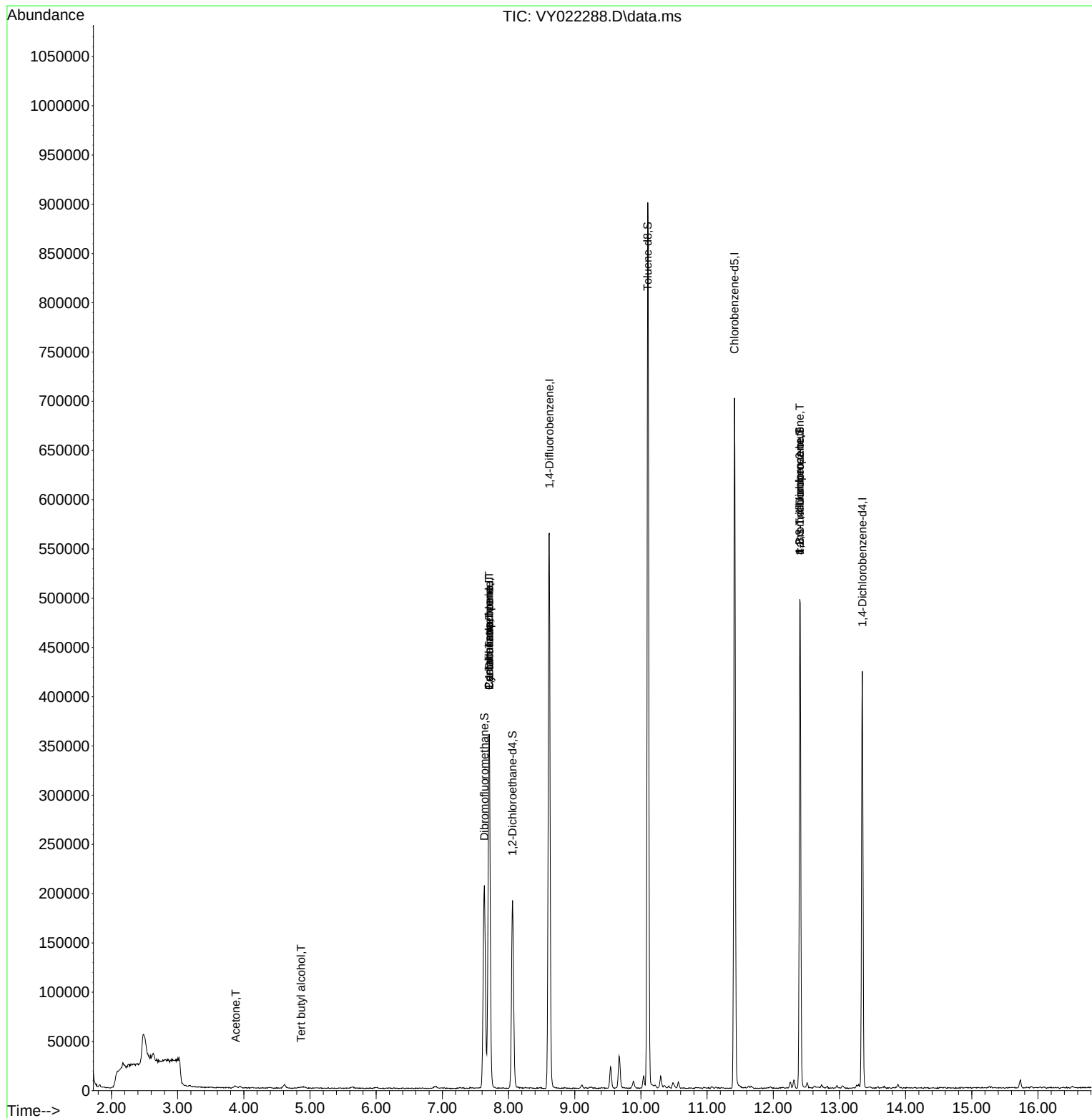
Internal Standards						
1) Pentafluorobenzene	7.707	168	273129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	474491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	343745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	98736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142878	47.865	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.720%
35) Dibromofluoromethane	7.634	113	140680	49.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.340%
50) Toluene-d8	10.103	98	558787	48.176	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.360%
62) 4-Bromofluorobenzene	12.401	95	144300	39.250	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.500%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	1678	7.361	ug/l #	100
16) Acetone	3.879	43	3988	7.125	ug/l #	89
31) Cyclohexane	7.707	56	7557	1.251	ug/l #	24
36) 1,1-Dichloropropene	7.707	75	23234	4.981	ug/l #	51
38) Carbon Tetrachloride	7.707	117	27371	5.669	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	84142	84.117	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	84142	170.399	ug/l #	12

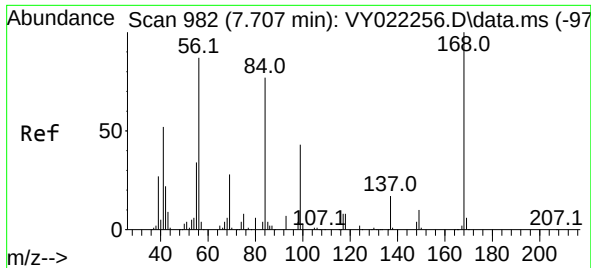
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022288.D
Acq On : 16 May 2025 14:04
Operator : SY/MD
Sample : Q1982-03
Misc : 1076g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Quant Time: May 17 01:33:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

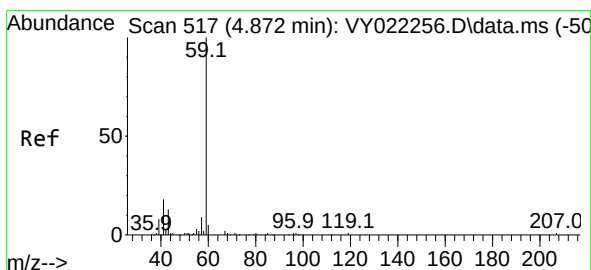
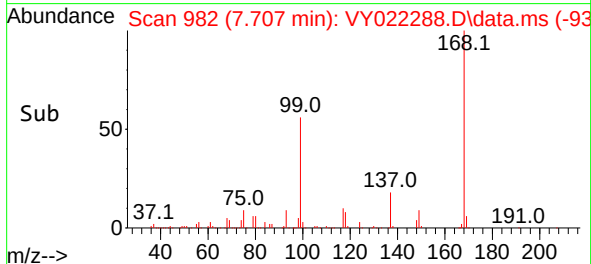
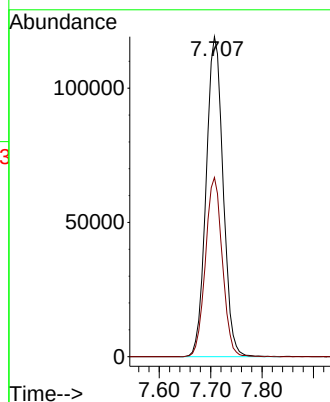
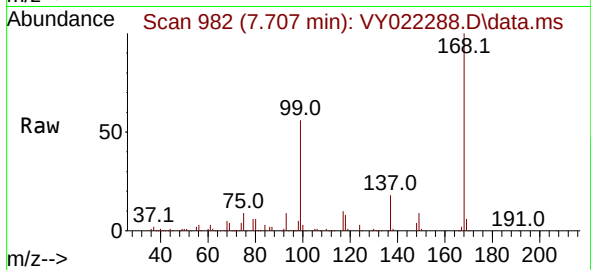




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

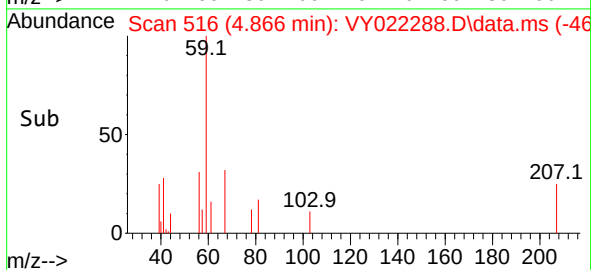
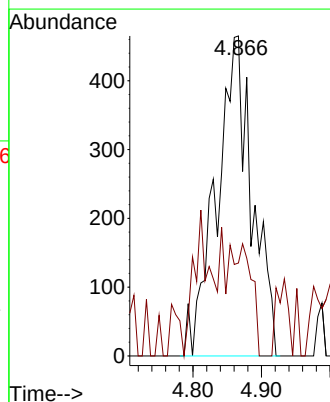
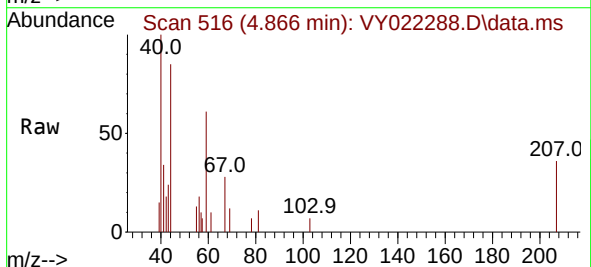
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

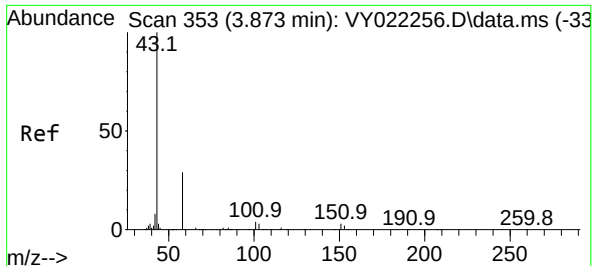
Tgt Ion:168 Resp: 273129
Ion Ratio Lower Upper
168 100
99 56.0 44.2 66.4



#11
Tert butyl alcohol
Concen: 7.361 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion: 59 Resp: 1678
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

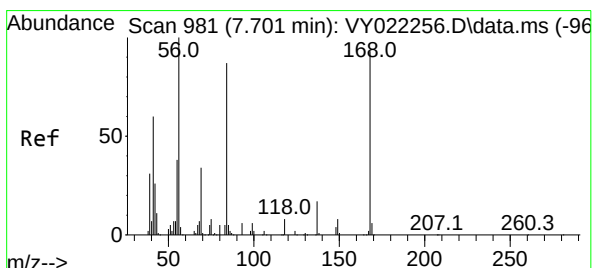
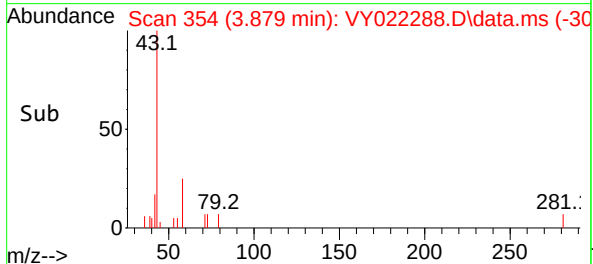
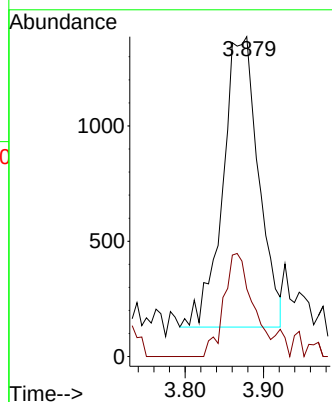
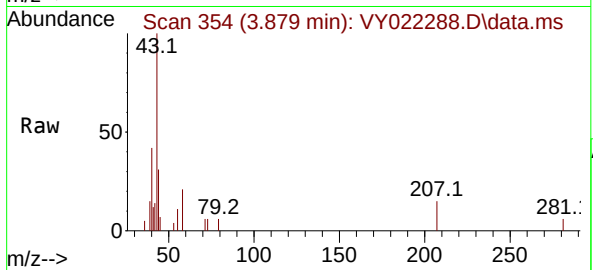




#16
Acetone
Concen: 7.125 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

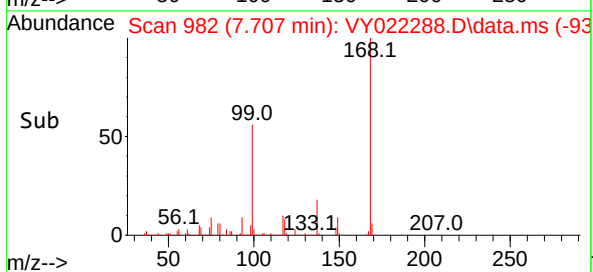
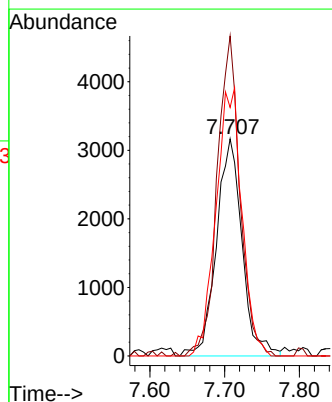
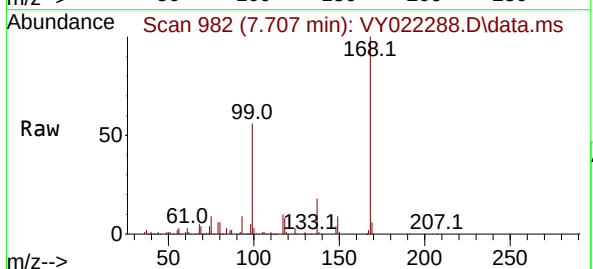
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

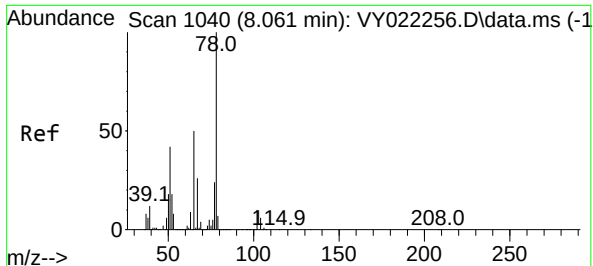
Tgt Ion: 43 Resp: 3988
Ion Ratio Lower Upper
43 100
58 23.4 23.6 35.4#



#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion: 56 Resp: 7557
Ion Ratio Lower Upper
56 100
69 147.4 27.4 41.2#
84 114.4 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 47.865 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022288.D

Acq: 16 May 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

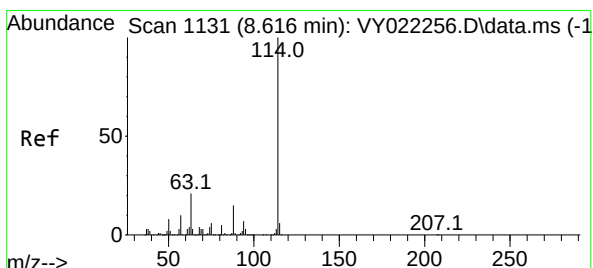
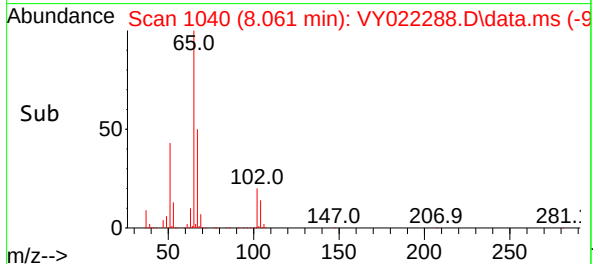
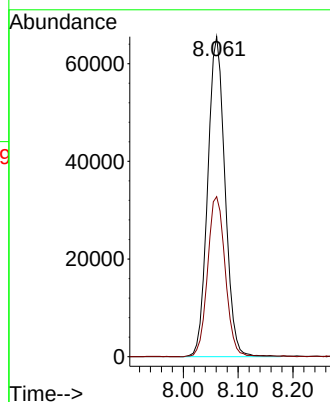
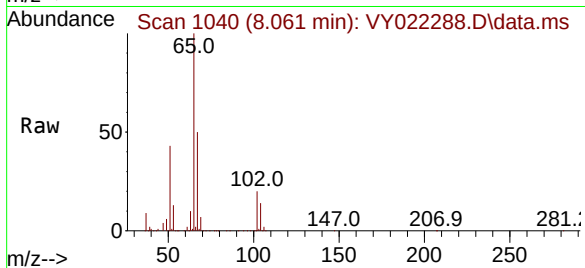
TP-3

Tgt Ion: 65 Resp: 142878

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022288.D

Acq: 16 May 2025 14:04

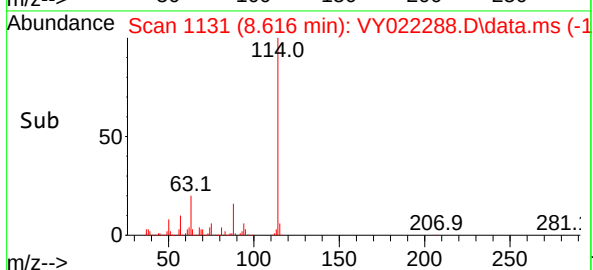
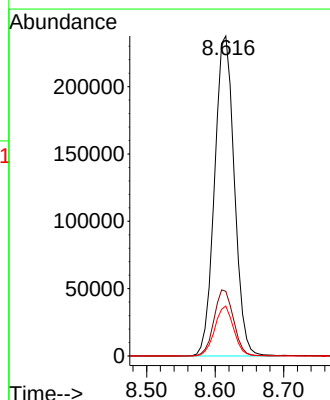
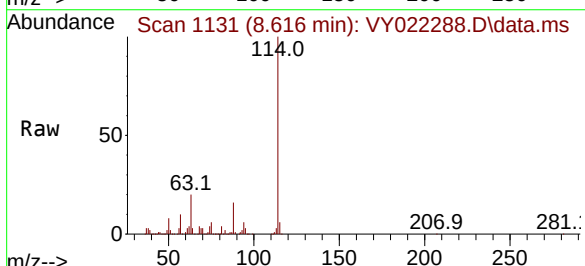
Tgt Ion: 114 Resp: 474491

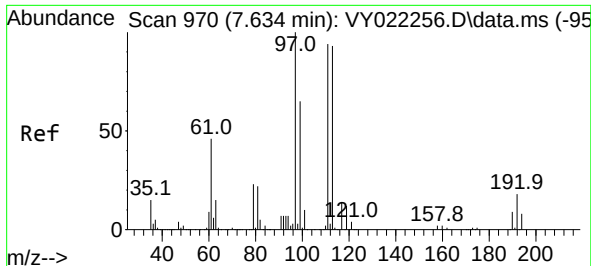
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 15.6 0.0 29.4

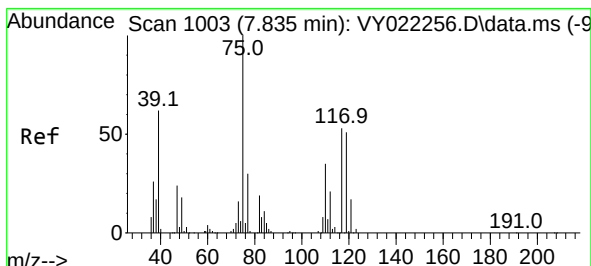
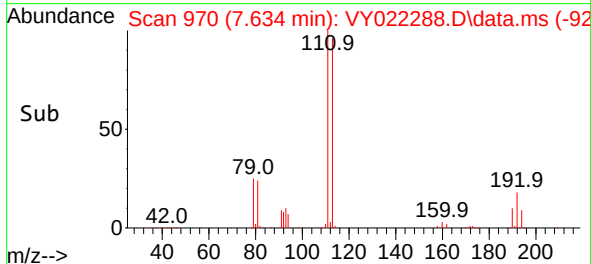
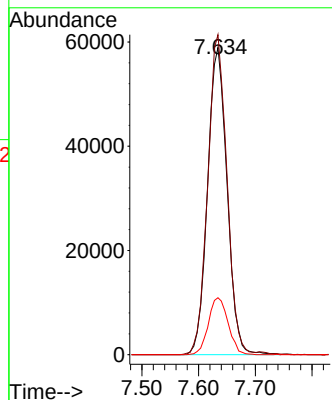
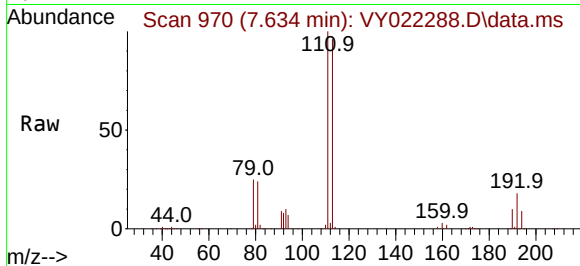




#35
Dibromofluoromethane
Concen: 49.674 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

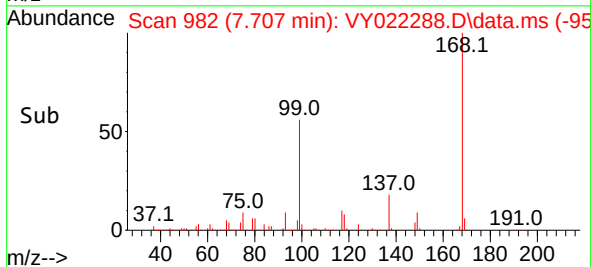
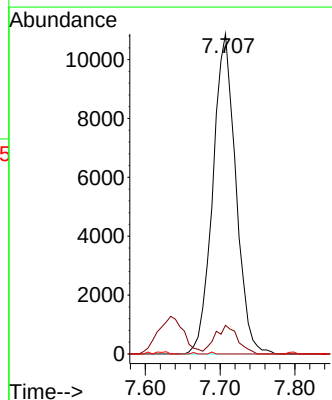
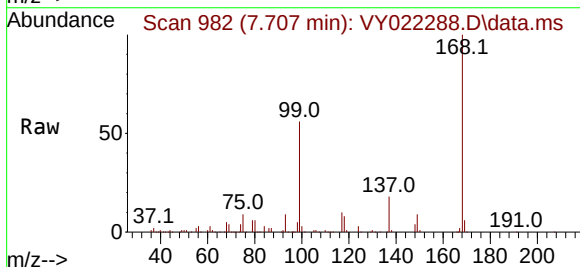
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

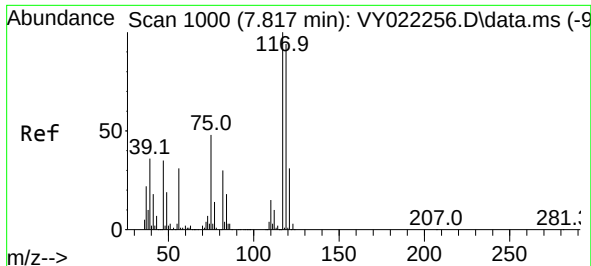
Tgt Ion:113 Resp: 140680
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 18.8 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.981 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion: 75 Resp: 23234
Ion Ratio Lower Upper
75 100
110 8.8 16.6 49.8#
77 0.1 24.6 37.0#

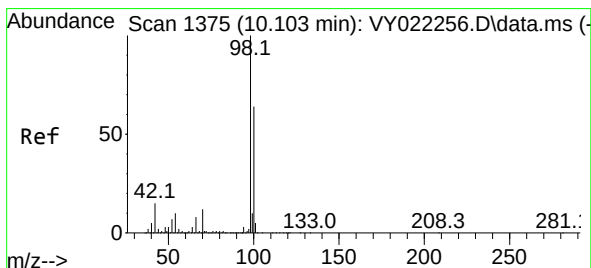
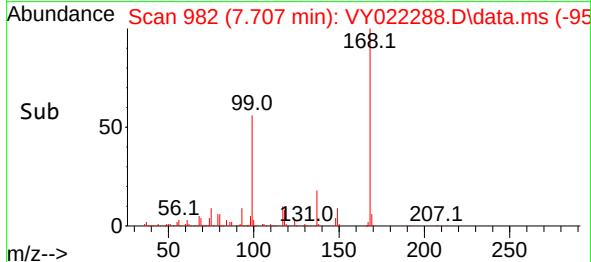
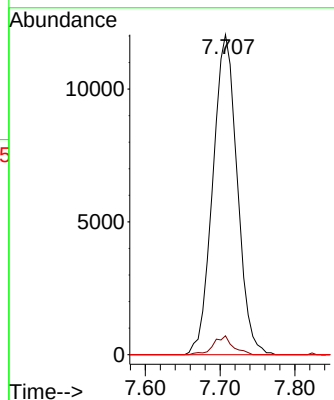
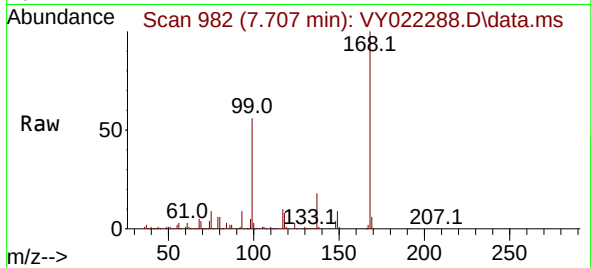




#38
Carbon Tetrachloride
Concen: 5.669 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

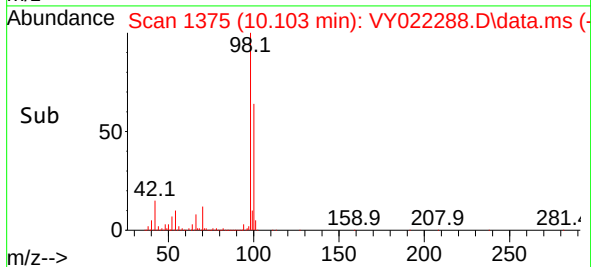
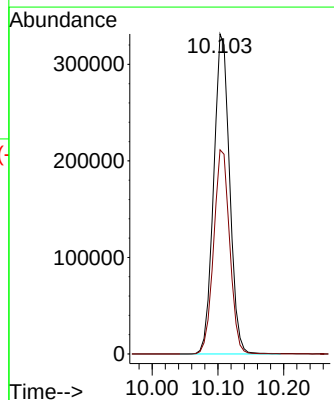
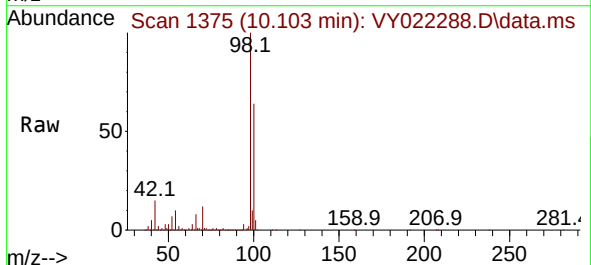
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

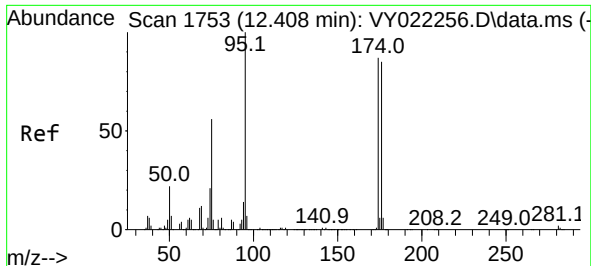
Tgt Ion:117 Resp: 27371
Ion Ratio Lower Upper
117 100
119 5.9 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.176 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022288.D
Acq: 16 May 2025 14:04

Tgt Ion: 98 Resp: 558787
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 39.250 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022288.D

Acq: 16 May 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

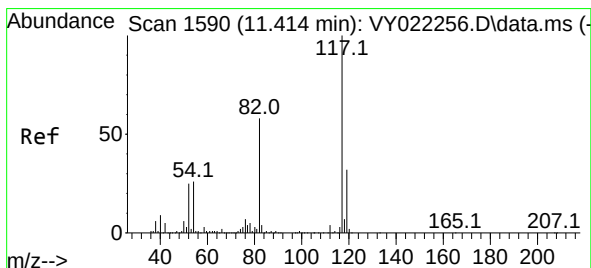
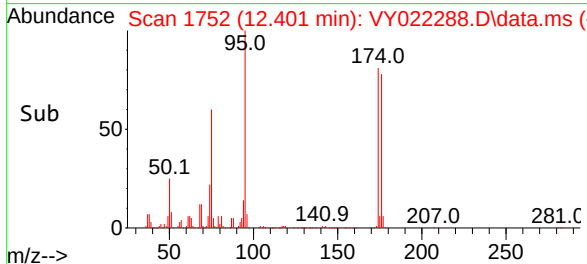
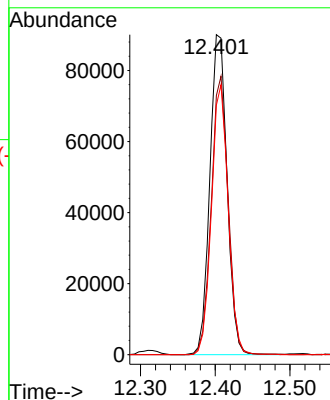
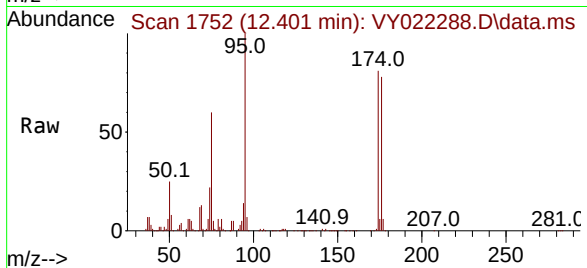
Tgt Ion: 95 Resp: 144300

Ion Ratio Lower Upper

95 100

174 85.7 0.0 166.8

176 81.9 0.0 160.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY022288.D

Acq: 16 May 2025 14:04

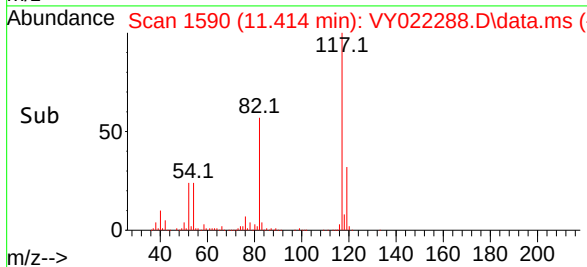
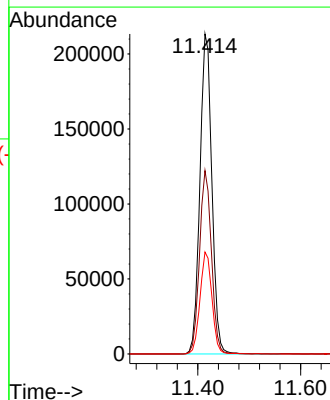
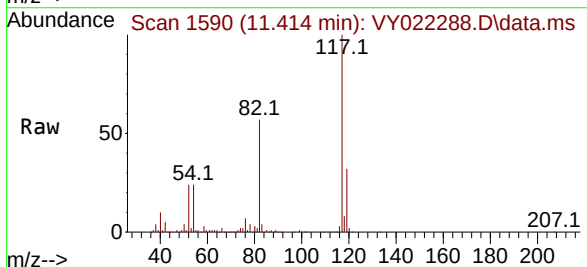
Tgt Ion: 117 Resp: 343745

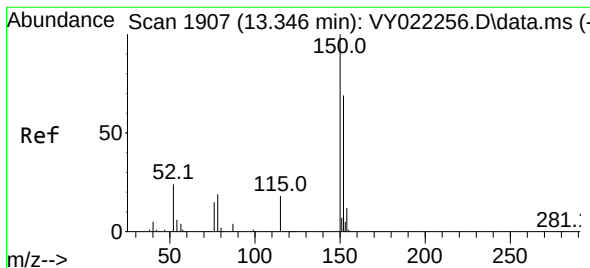
Ion Ratio Lower Upper

117 100

82 57.3 46.6 70.0

119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022288.D

Acq: 16 May 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

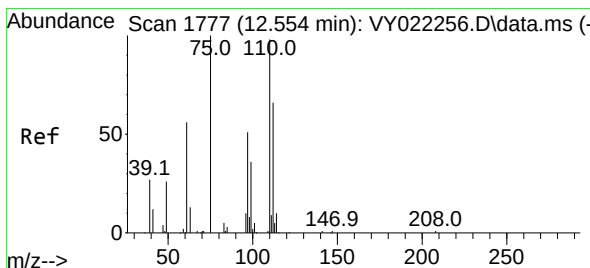
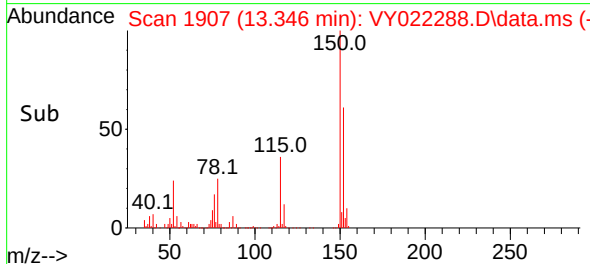
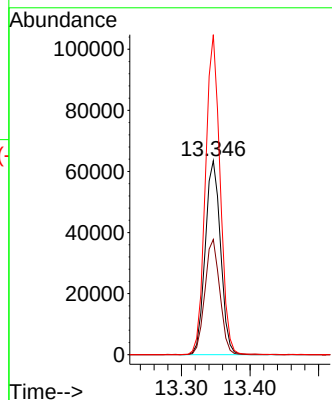
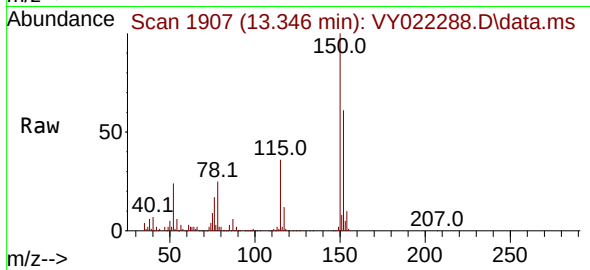
Tgt Ion:152 Resp: 98736

Ion Ratio Lower Upper

152 100

115 58.0 29.4 88.2

150 158.4 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 84.117 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022288.D

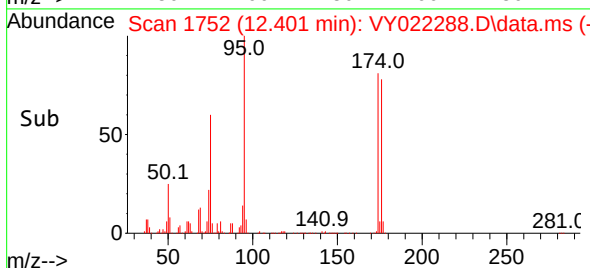
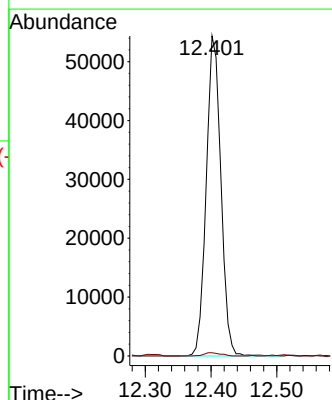
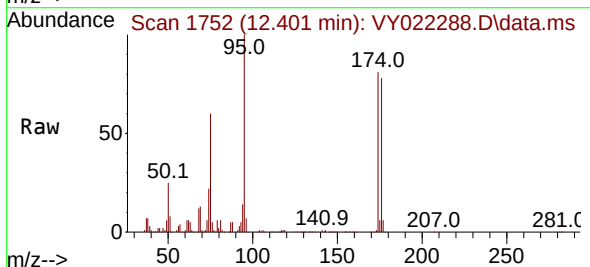
Acq: 16 May 2025 14:04

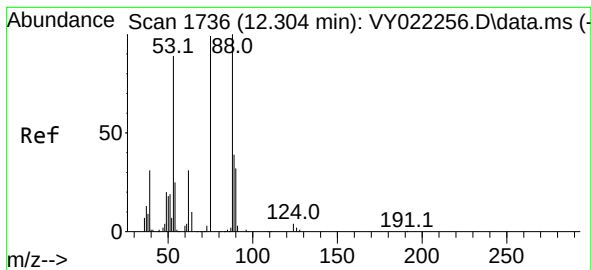
Tgt Ion: 75 Resp: 84142

Ion Ratio Lower Upper

75 100

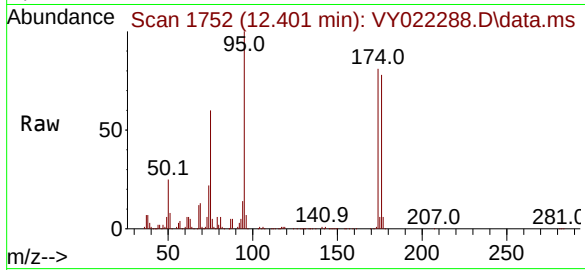
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.399 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022288.D
 Acq: 16 May 2025 14:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3



Tgt Ion: 75 Resp: 84142
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.1 36.2 54.2#

