

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023368.D
 Acq On : 25 Sep 2025 12:58
 Operator : SY/MD
 Sample : Q3189-01
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 25 16:29:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	656846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1188101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1165416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	549362	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	321066	55.627	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.260%
35) Dibromofluoromethane	7.634	113	379471	52.251	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.500%
50) Toluene-d8	10.103	98	1392736	50.786	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.580%
62) 4-Bromofluorobenzene	12.401	95	509202	59.003	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	118.000%

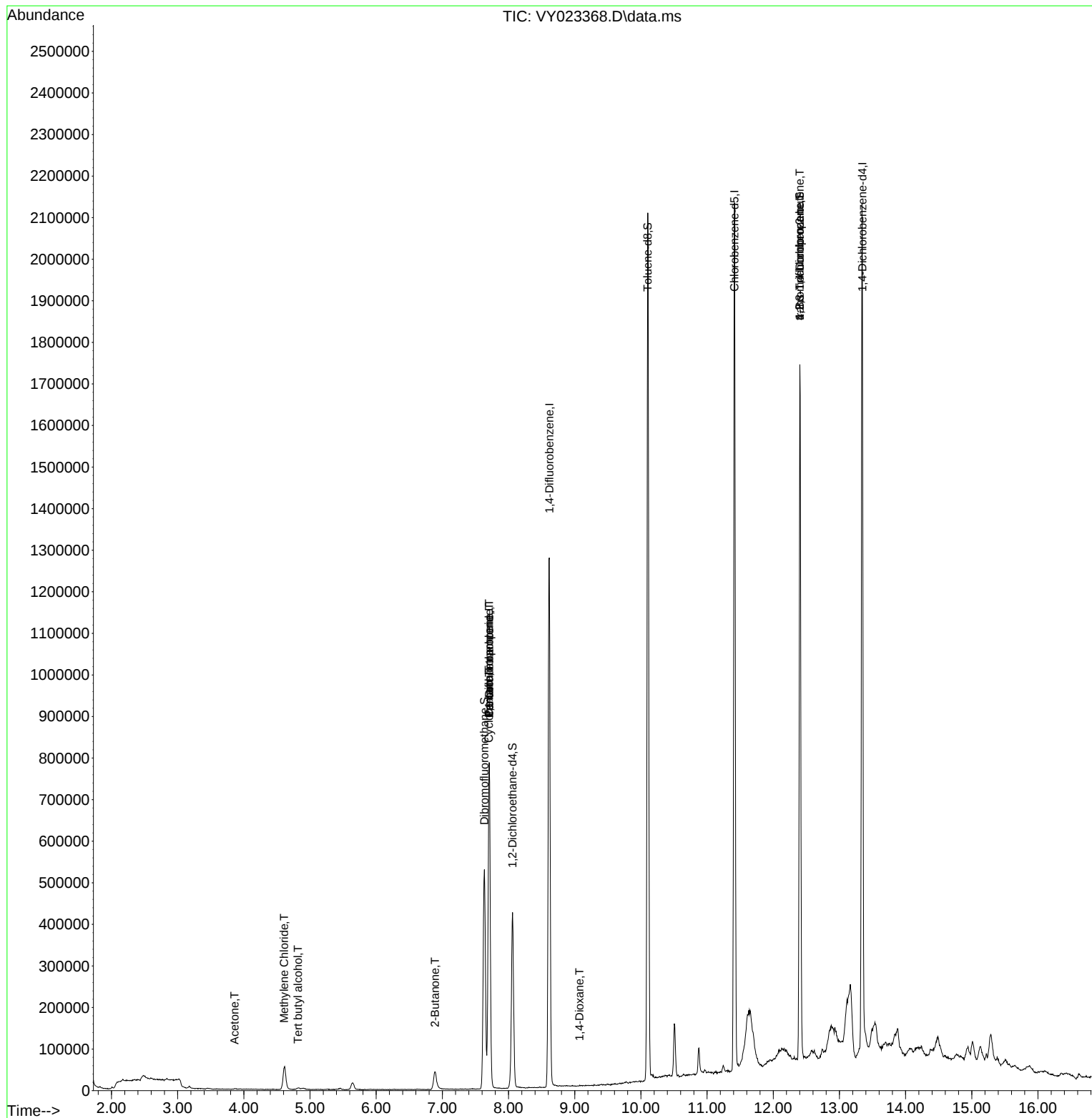
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.817	59	4392	13.169	ug/l #	73
16) Acetone	3.860	43	2545	1.936	ug/l	99
20) Methylene Chloride	4.610	84	43279	6.153	ug/l	90
25) 2-Butanone	6.890	43	2879	1.779	ug/l #	86
31) Cyclohexane	7.701	56	11623	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	44221	4.275	ug/l #	50
38) Carbon Tetrachloride	7.707	117	60547	5.087	ug/l #	16
49) 1,4-Dioxane	9.073	88	59	1.314	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	249936	44.926	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	249936	122.517	ug/l #	14

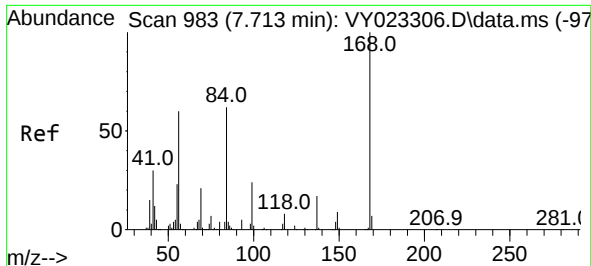
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023368.D
Acq On : 25 Sep 2025 12:58
Operator : SY/MD
Sample : Q3189-01
Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 25 16:29:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

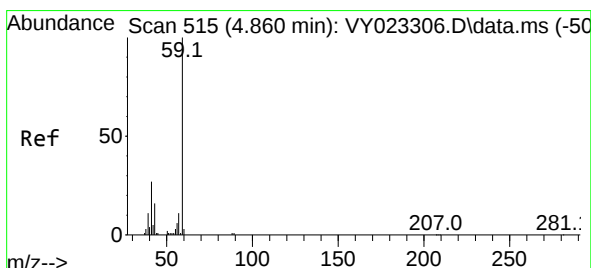
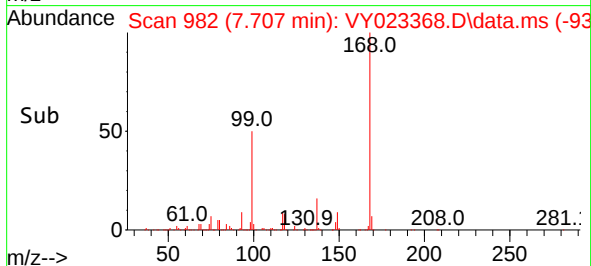
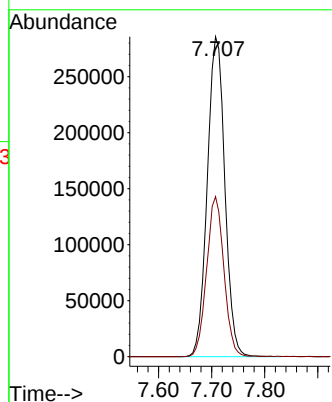
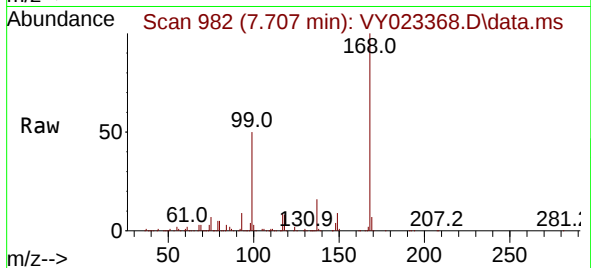




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

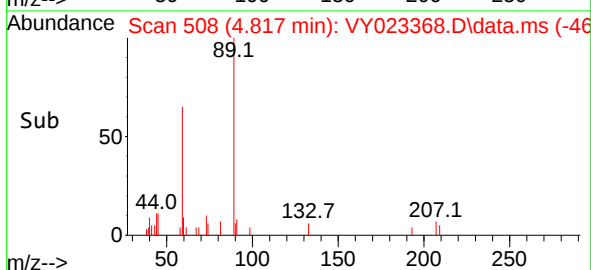
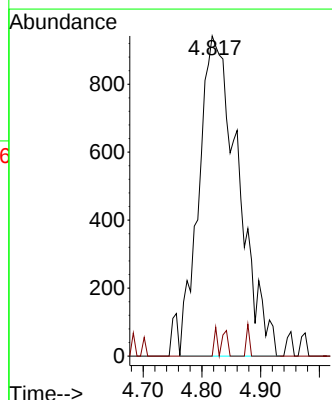
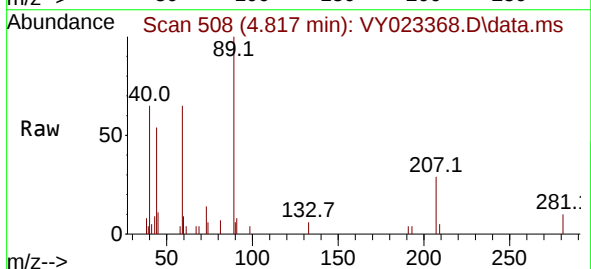
Instrument :
MSVOA_Y
ClientSampleId :

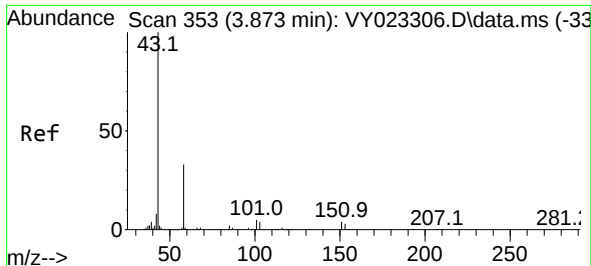
Tgt Ion:168 Resp: 656846
Ion Ratio Lower Upper
168 100
99 50.0 42.8 64.2



#11
Tert butyl alcohol
Concen: 13.169 ug/l
RT: 4.817 min Scan# 508
Delta R.T. -0.043 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

Tgt Ion: 59 Resp: 4392
Ion Ratio Lower Upper
59 100
57 0.7 8.6 13.0#

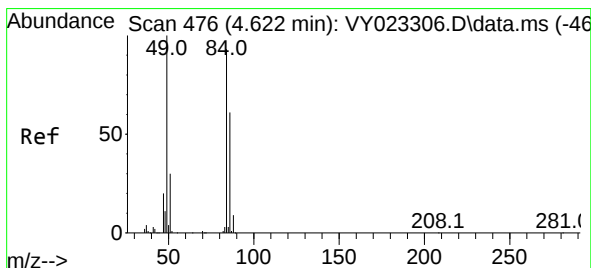
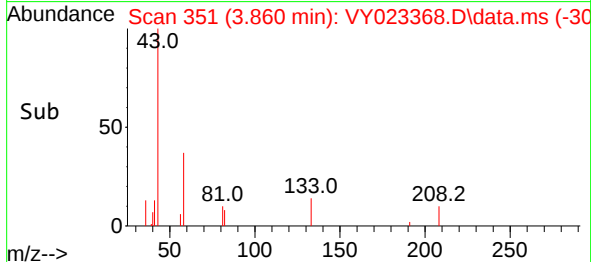
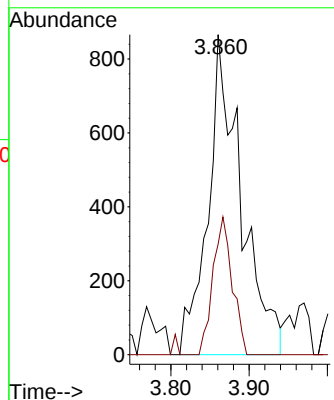
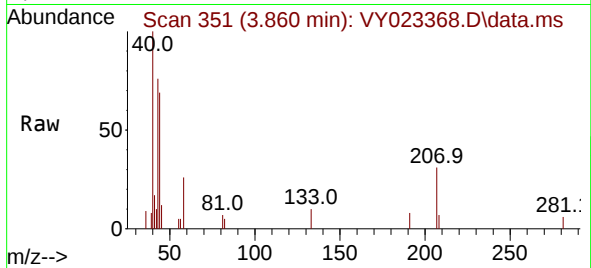




#16
Acetone
Concen: 1.936 ug/l
RT: 3.860 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

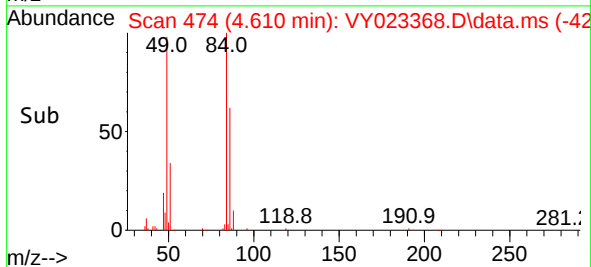
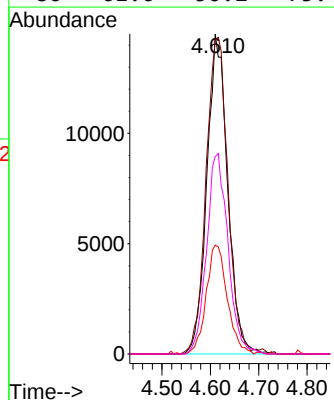
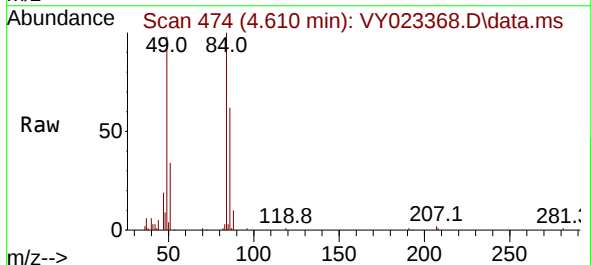
Instrument :
MSVOA_Y
ClientSampleId :

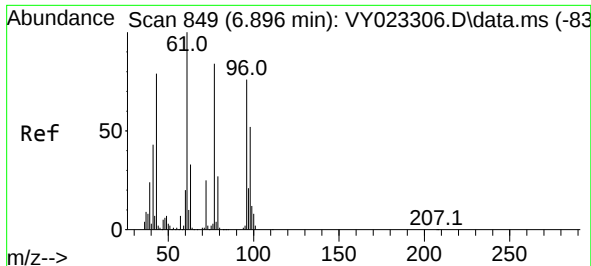
Tgt Ion: 43 Resp: 2545
Ion Ratio Lower Upper
43 100
58 34.5 27.1 40.7



#20
Methylene Chloride
Concen: 6.153 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

Tgt Ion: 84 Resp: 43279
Ion Ratio Lower Upper
84 100
49 98.2 93.0 139.6
51 34.0 29.0 43.4
86 61.6 50.2 75.4

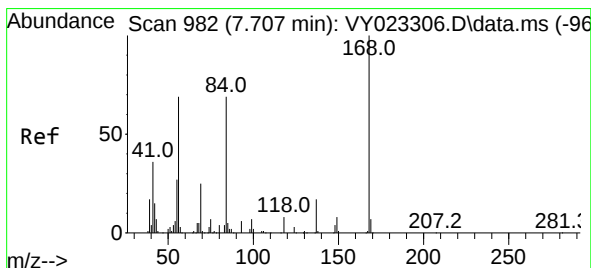
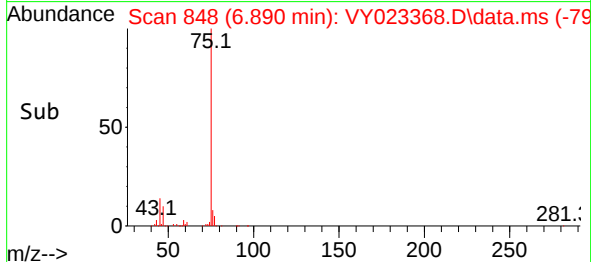
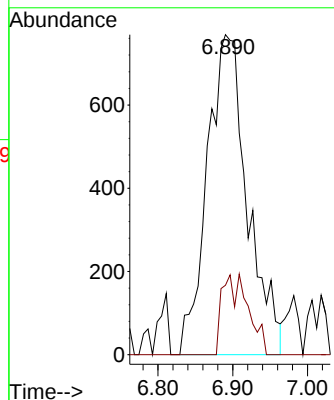
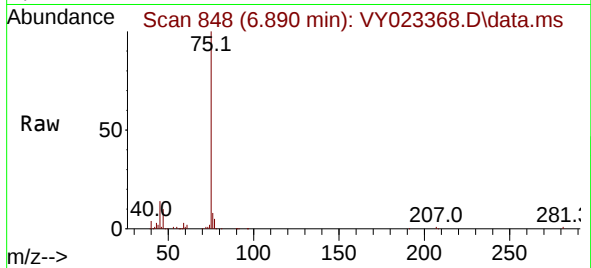




#25
2-Butanone
Concen: 1.779 ug/l
RT: 6.890 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

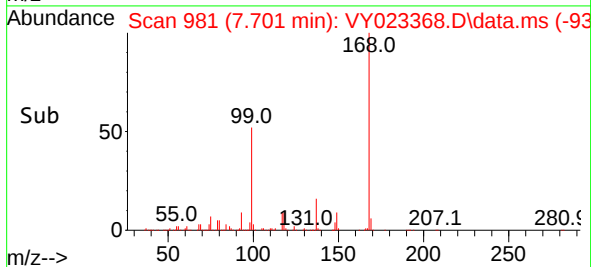
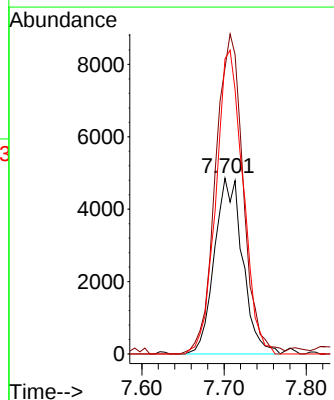
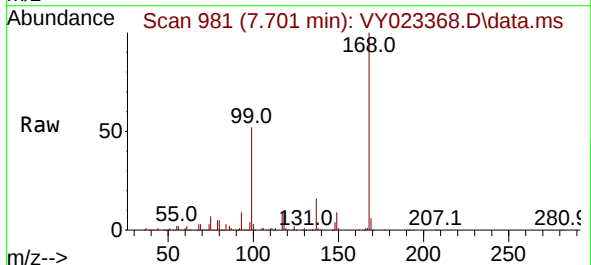
Instrument :
MSVOA_Y
ClientSampleId :

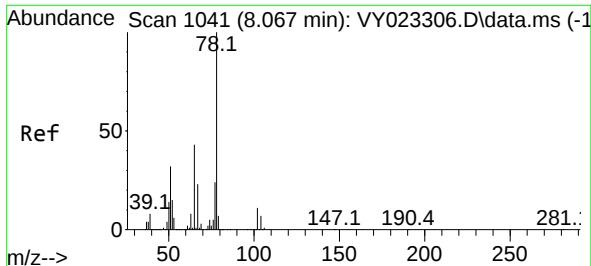
Tgt Ion: 43 Resp: 2879
Ion Ratio Lower Upper
43 100
72 21.7 23.5 35.3#



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

Tgt Ion: 56 Resp: 11623
Ion Ratio Lower Upper
56 100
69 162.9 28.2 42.2#
84 168.0 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 55.627 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023368.D

Acq: 25 Sep 2025 12:58

Instrument :

MSVOA_Y

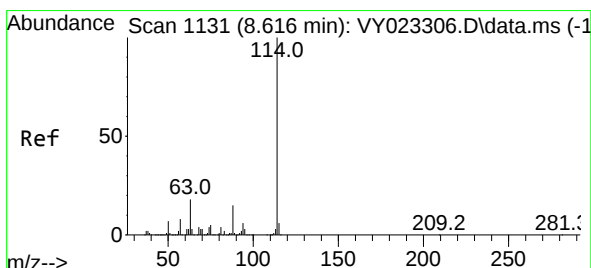
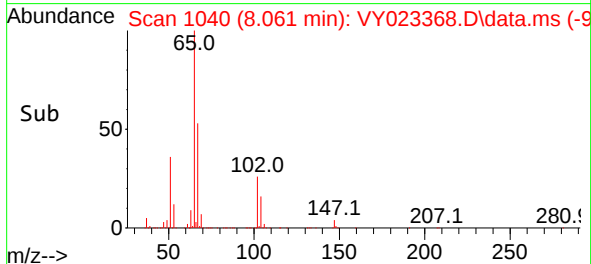
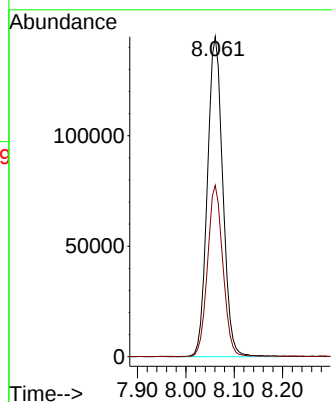
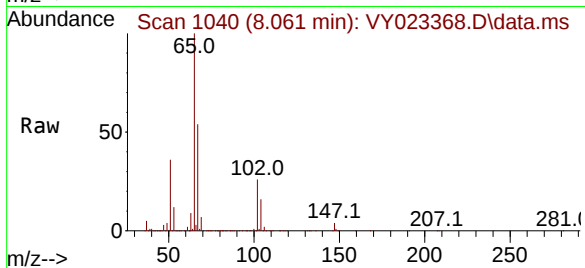
ClientSampleId :

Tgt Ion: 65 Resp: 321066

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023368.D

Acq: 25 Sep 2025 12:58

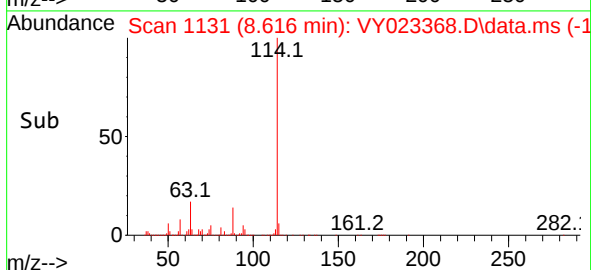
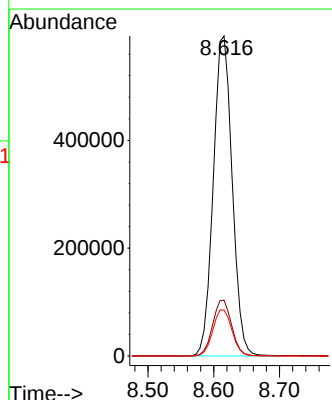
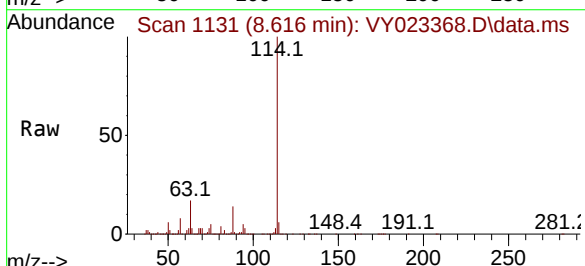
Tgt Ion: 114 Resp: 1188101

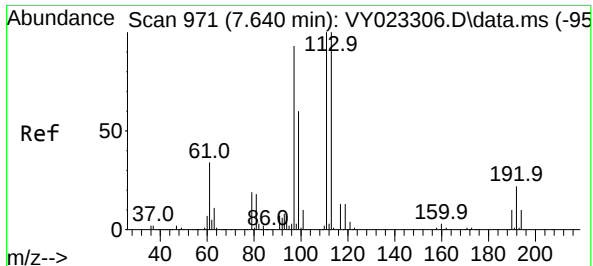
Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

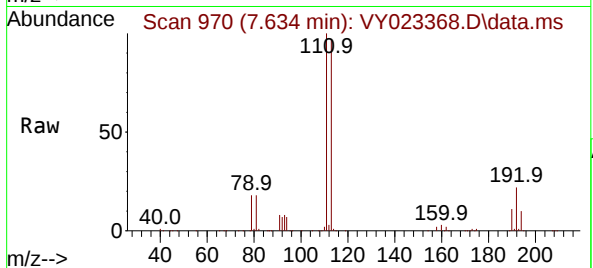
88 14.4 0.0 30.0



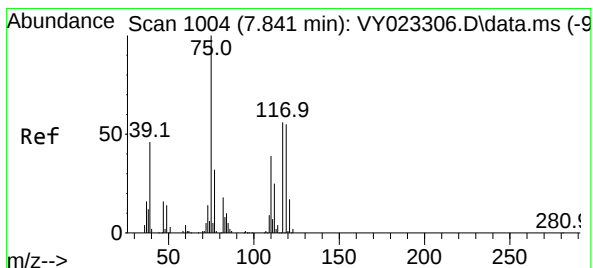
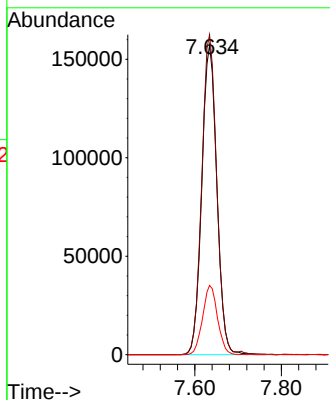
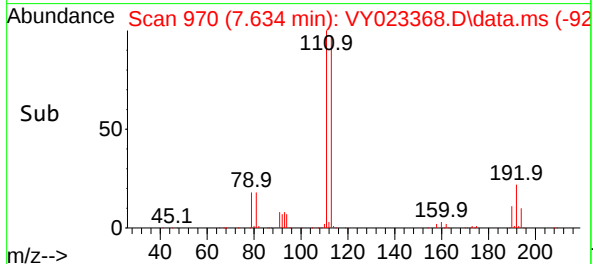


#35
Dibromofluoromethane
Concen: 52.251 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

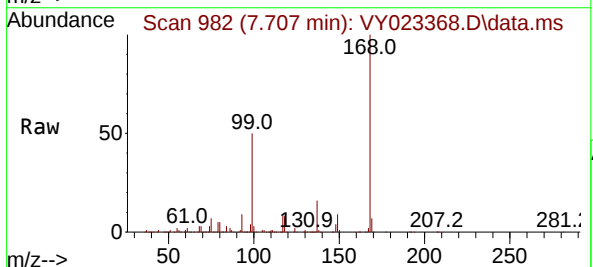
Instrument :
MSVOA_Y
ClientSampleId :



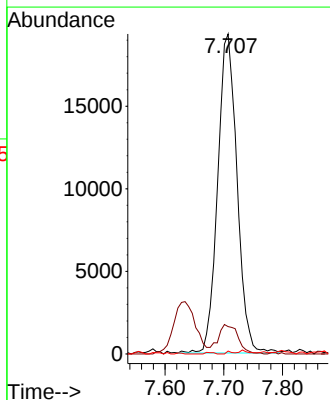
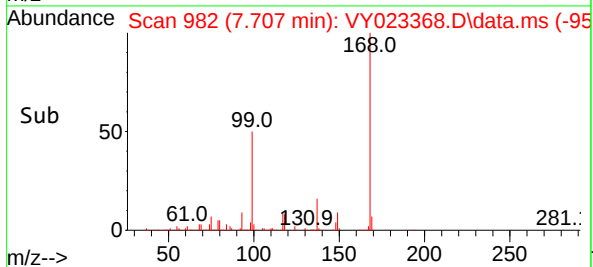
Tgt Ion:113 Resp: 379471
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 22.1 16.2 24.4

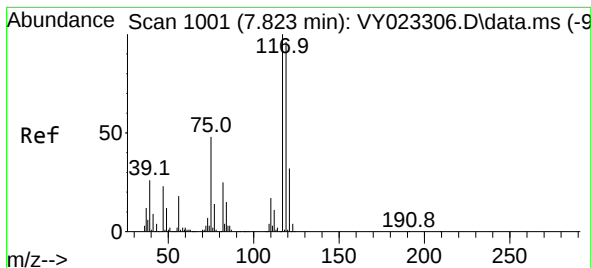


#36
1,1-Dichloropropene
Concen: 4.275 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58



Tgt Ion: 75 Resp: 44221
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.087 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

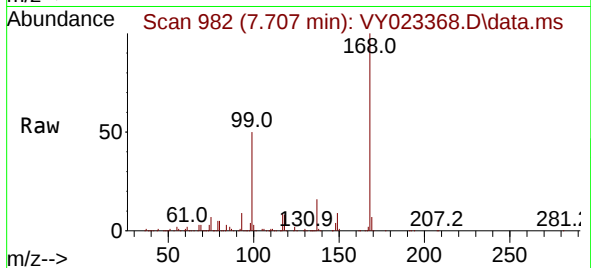
Lab File: VY023368.D

Acq: 25 Sep 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :



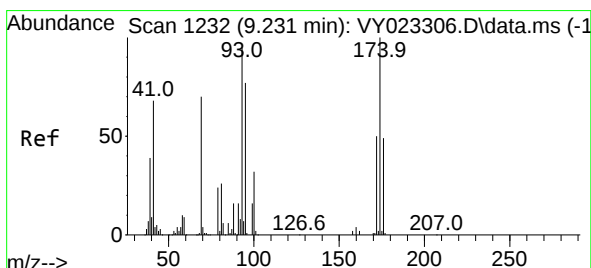
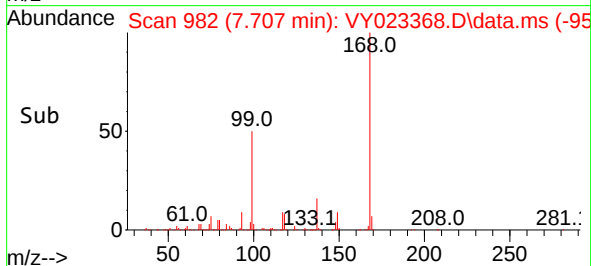
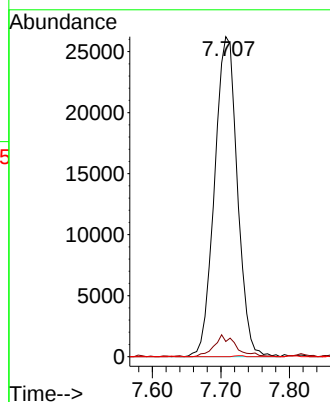
Tgt Ion:117 Resp: 60547

Ion Ratio Lower Upper

117 100

119 4.7 75.6 113.4#

121 0.0 25.8 38.8#



#49

1,4-Dioxane

Concen: 1.314 ug/l

RT: 9.073 min Scan# 1206

Delta R.T. -0.152 min

Lab File: VY023368.D

Acq: 25 Sep 2025 12:58

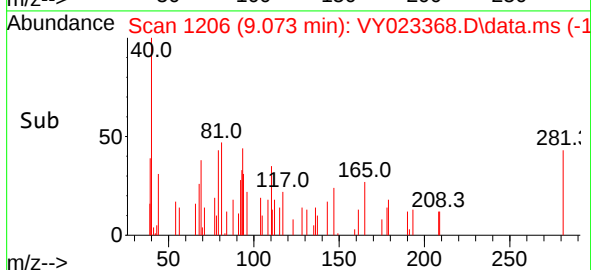
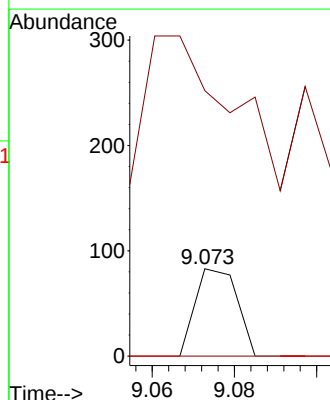
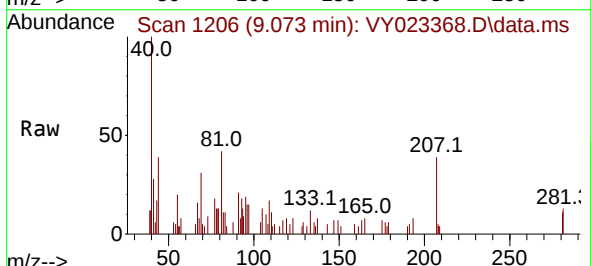
Tgt Ion: 88 Resp: 59

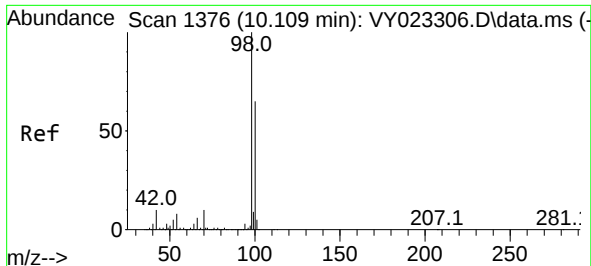
Ion Ratio Lower Upper

88 100

43 379.7 24.3 36.5#

58 0.0 55.4 83.0#

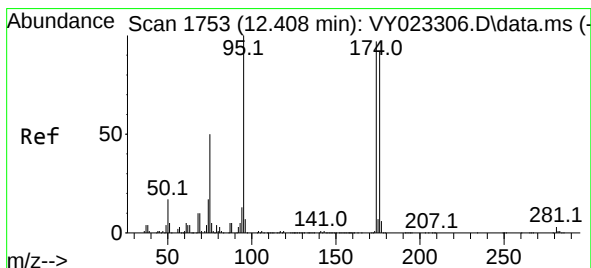
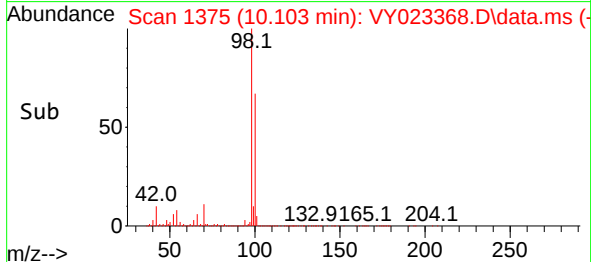
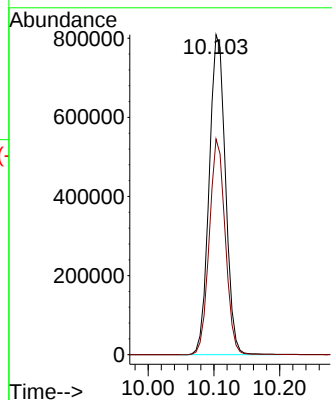
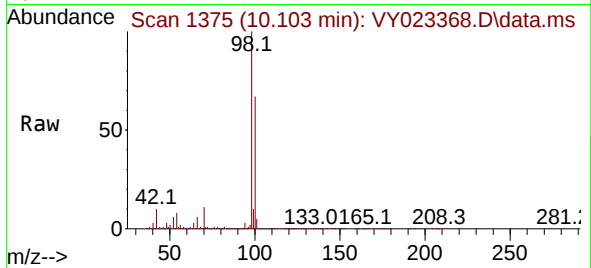




#50
Toluene-d8
Concen: 50.786 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

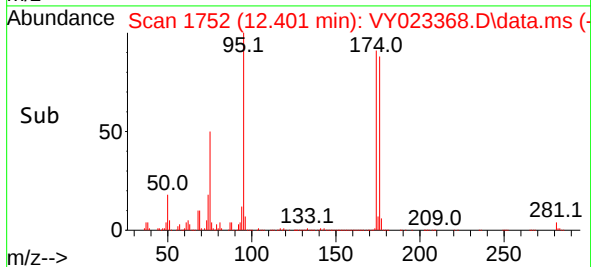
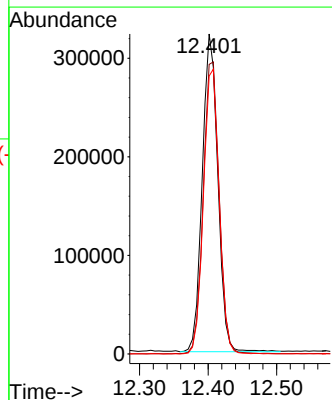
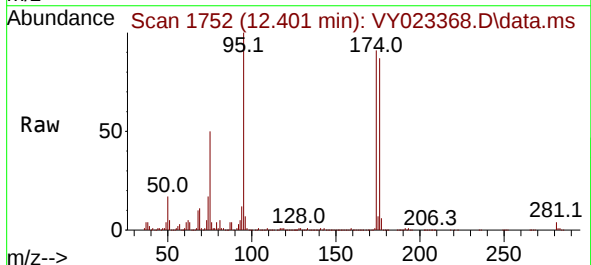
Instrument :
MSVOA_Y
ClientSampleId :

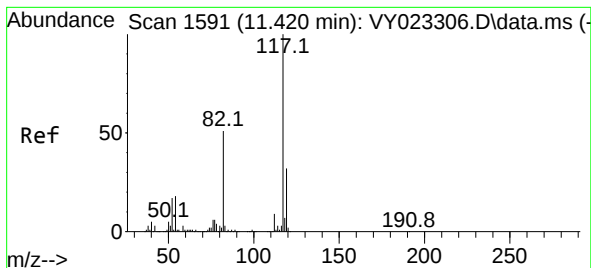
Tgt Ion: 98 Resp: 1392736
Ion Ratio Lower Upper
98 100
100 66.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 59.003 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

Tgt Ion: 95 Resp: 509202
Ion Ratio Lower Upper
95 100
174 94.2 0.0 171.6
176 90.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

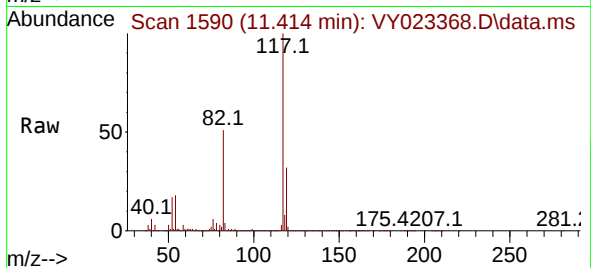
Lab File: VY023368.D

Acq: 25 Sep 2025 12:58

Instrument :

MSVOA_Y

ClientSampleId :



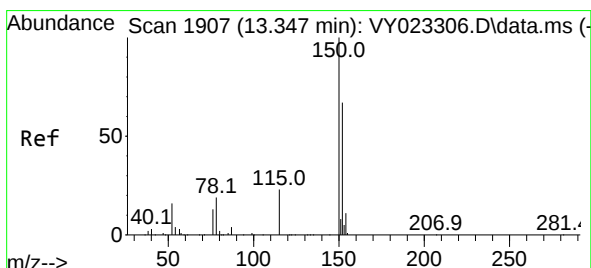
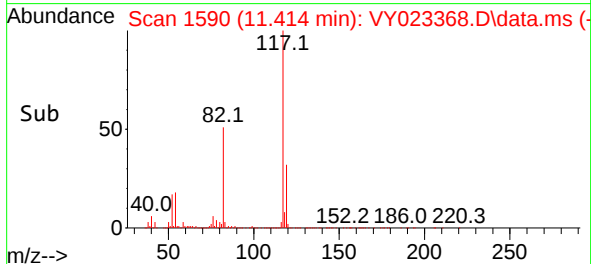
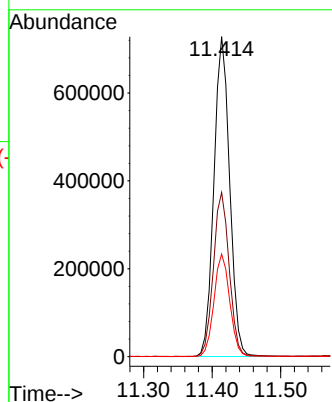
Tgt Ion:117 Resp: 1165416

Ion Ratio Lower Upper

117 100

82 51.2 43.4 65.0

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023368.D

Acq: 25 Sep 2025 12:58

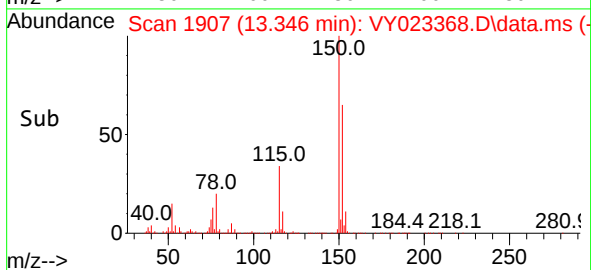
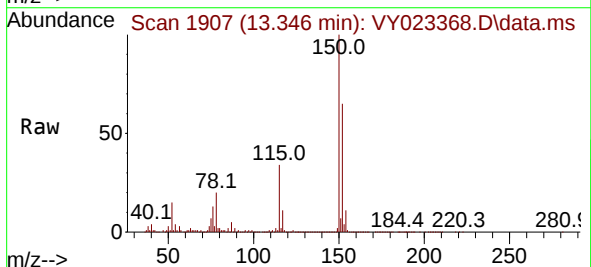
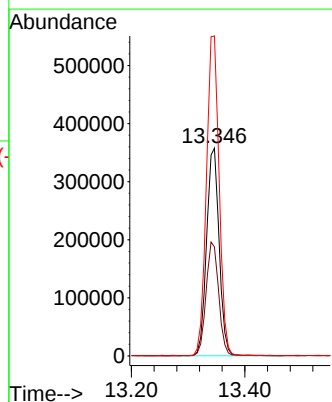
Tgt Ion:152 Resp: 549362

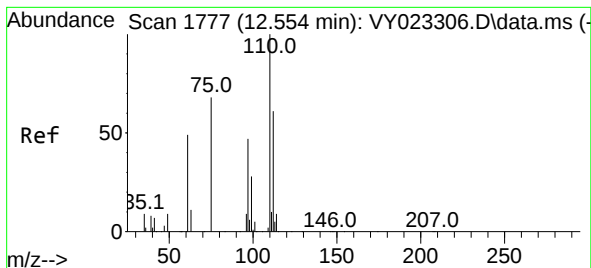
Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.6

150 156.5 0.0 348.0

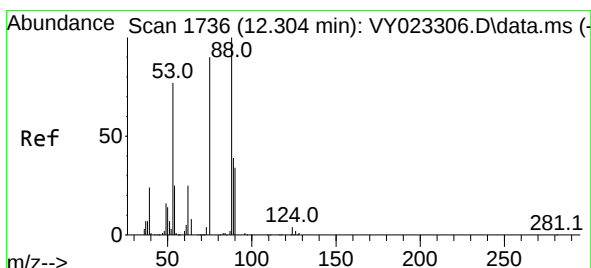
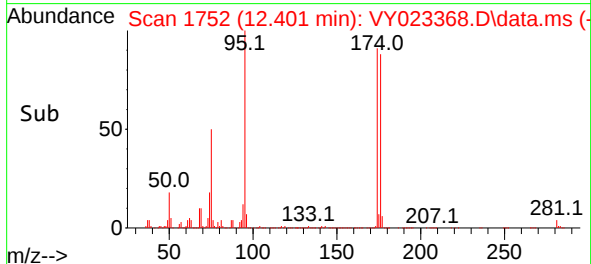
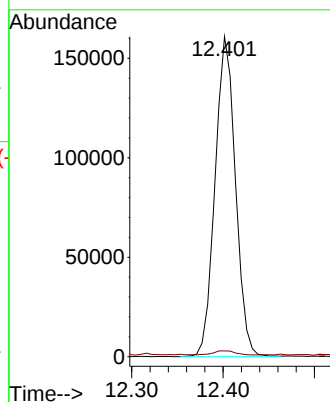
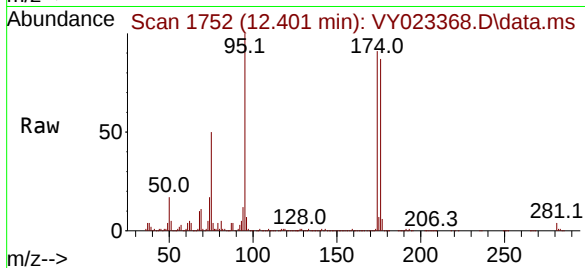




#76
1,2,3-Trichloropropane
Concen: 44.926 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 249936
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.517 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023368.D
Acq: 25 Sep 2025 12:58

Tgt Ion: 75 Resp: 249936
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.2 38.1 57.1#

