

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023375.D
 Acq On : 25 Sep 2025 15:43
 Operator : SY/MD
 Sample : Q3208-02
 Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 04:25:42 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	7.713	168	617081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1170828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1124064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	473969	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	332071	61.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.480%
35) Dibromofluoromethane	7.634	113	392507	54.843	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.680%
50) Toluene-d8	10.109	98	1377592	50.975	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.960%
62) 4-Bromofluorobenzene	12.401	95	443545	52.153	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.300%

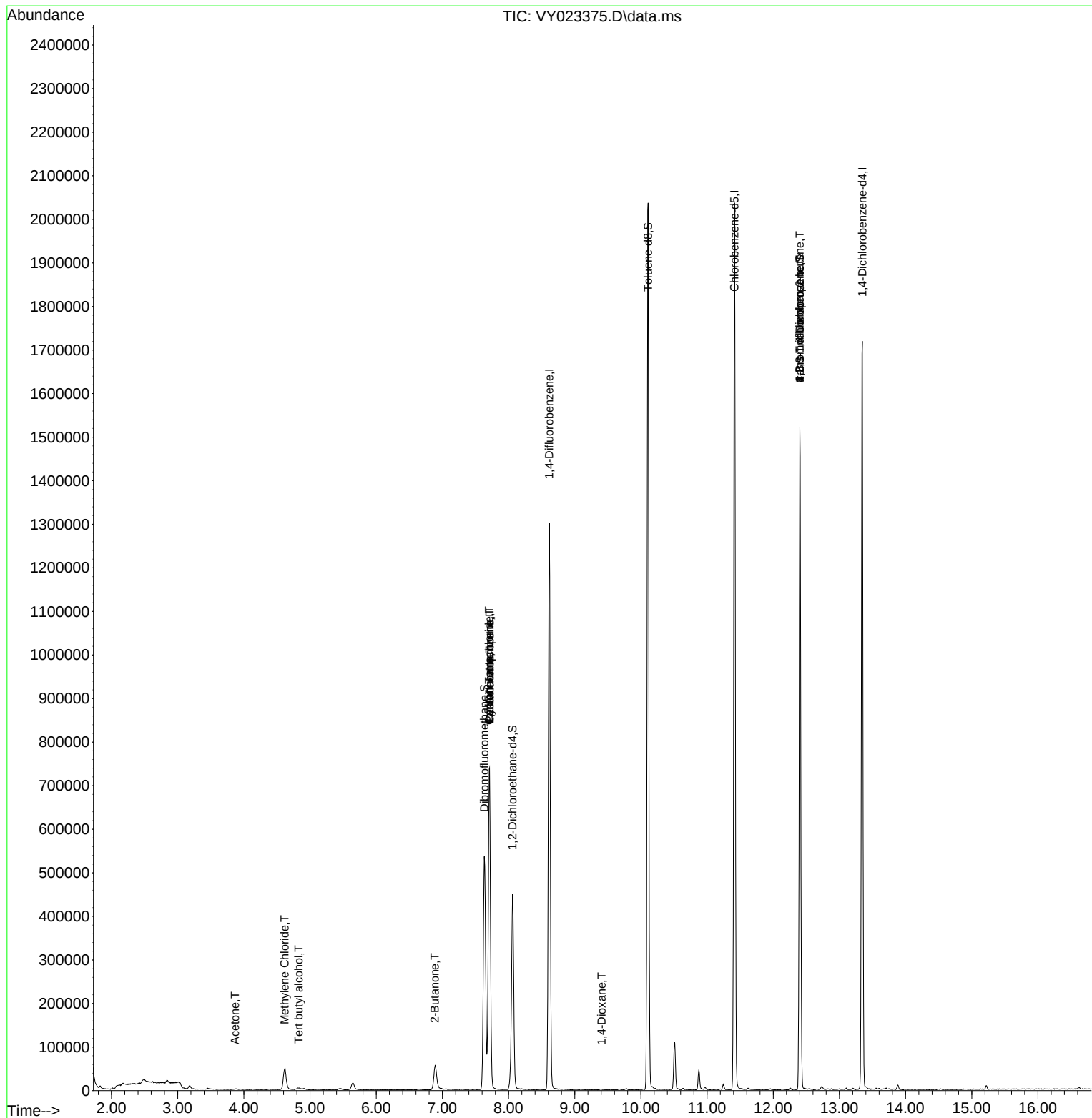
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.829	59	4490	14.331	ug/l #	74
16) Acetone	3.866	43	2305	1.866	ug/l	90
20) Methylene Chloride	4.616	84	37353	5.653	ug/l	89
25) 2-Butanone	6.884	43	3324	2.187	ug/l #	84
31) Cyclohexane	7.713	56	10872	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	40433	3.967	ug/l #	49
38) Carbon Tetrachloride	7.707	117	57222	4.879	ug/l #	17
49) 1,4-Dioxane	9.408	88	58	1.311	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	224035	46.676	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	224035	127.289	ug/l #	14

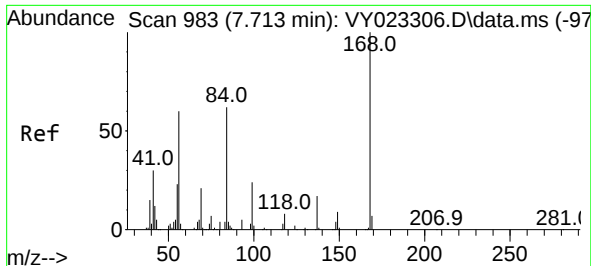
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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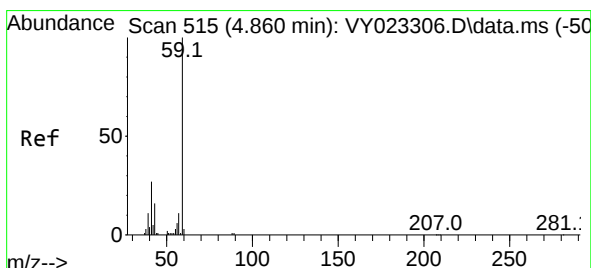
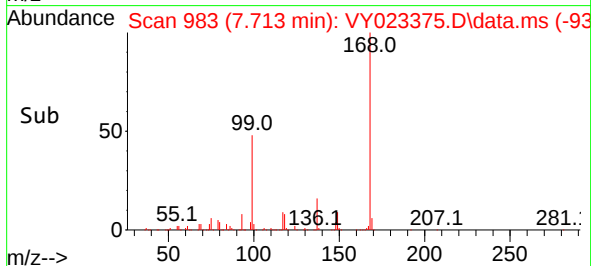
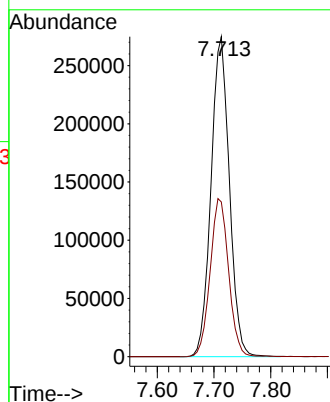
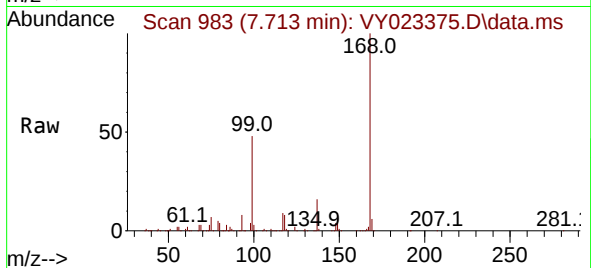




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

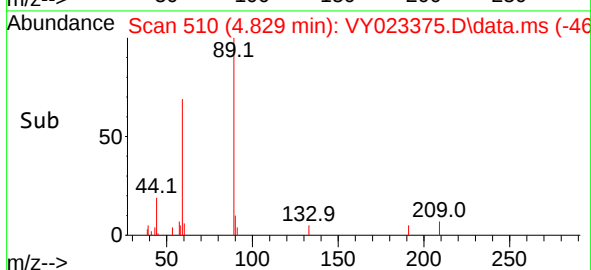
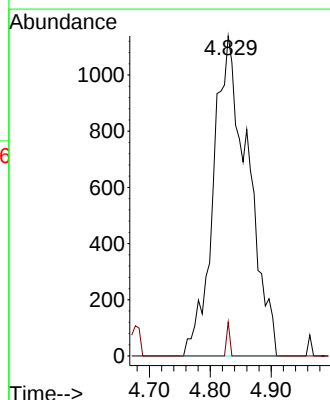
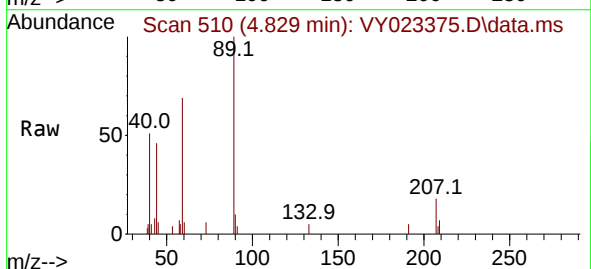
Instrument :
MSVOA_Y
ClientSampleId :

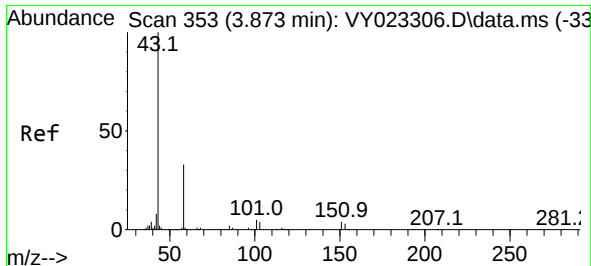
Tgt Ion:168 Resp: 617081
Ion Ratio Lower Upper
168 100
99 48.3 42.8 64.2



#11
Tert butyl alcohol
Concen: 14.331 ug/l
RT: 4.829 min Scan# 510
Delta R.T. -0.031 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

Tgt Ion: 59 Resp: 4490
Ion Ratio Lower Upper
59 100
57 1.0 8.6 13.0#

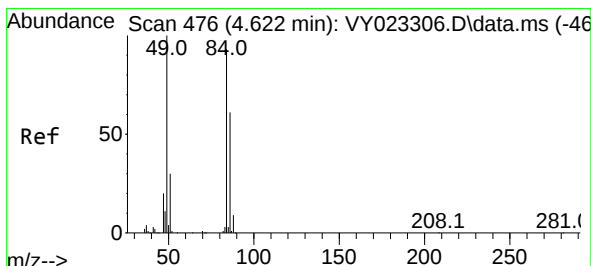
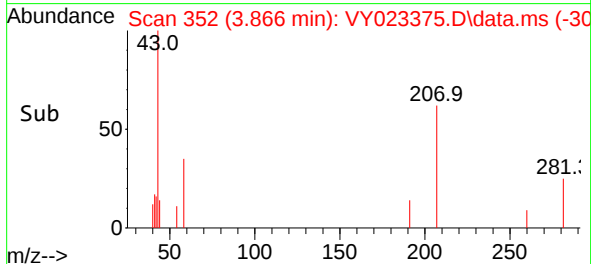
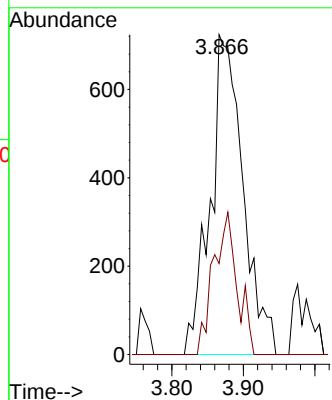
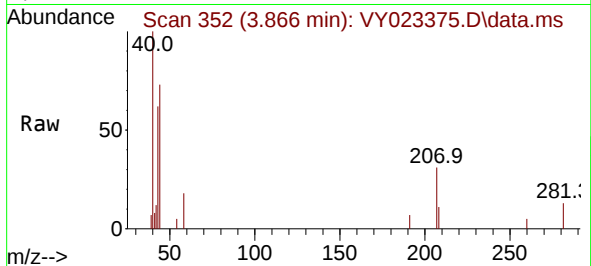




#16
Acetone
Concen: 1.866 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

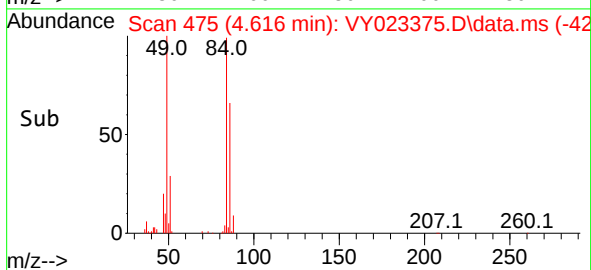
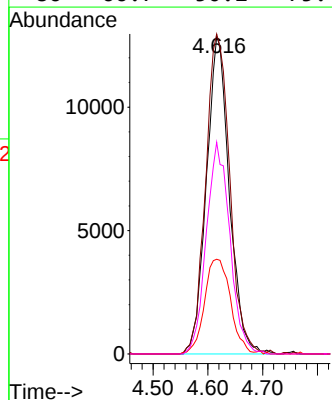
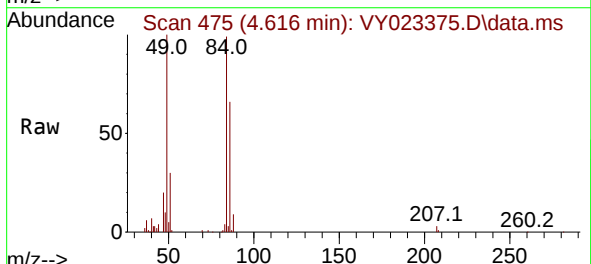
Instrument :
MSVOA_Y
ClientSampleId :

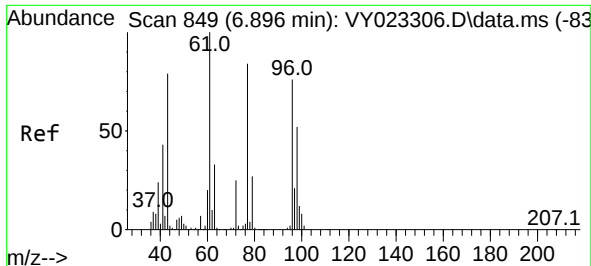
Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 28.5 27.1 40.7



#20
Methylene Chloride
Concen: 5.653 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

Tgt Ion: 84 Resp: 37353
Ion Ratio Lower Upper
84 100
49 100.9 93.0 139.6
51 29.9 29.0 43.4
86 66.7 50.2 75.4

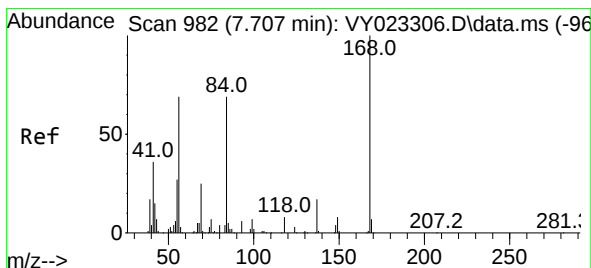
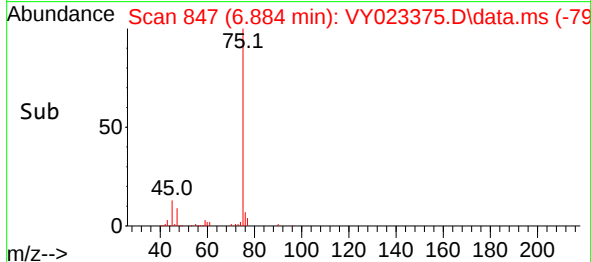
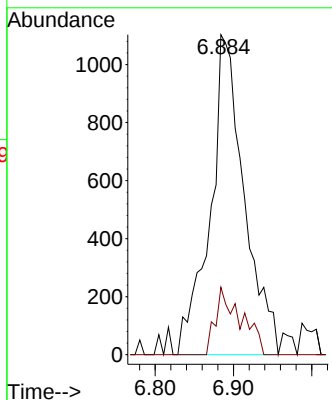
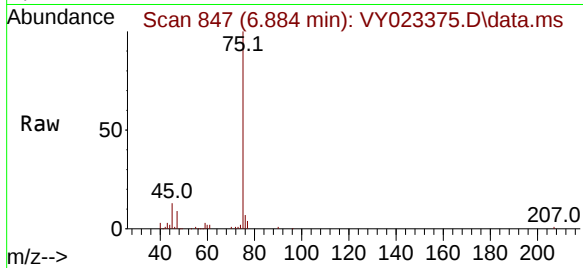




#25
2-Butanone
Concen: 2.187 ug/l
RT: 6.884 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

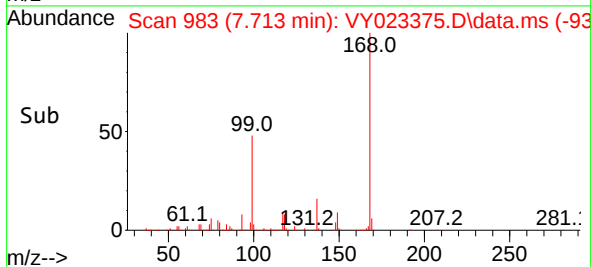
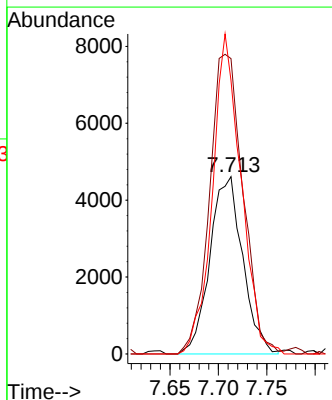
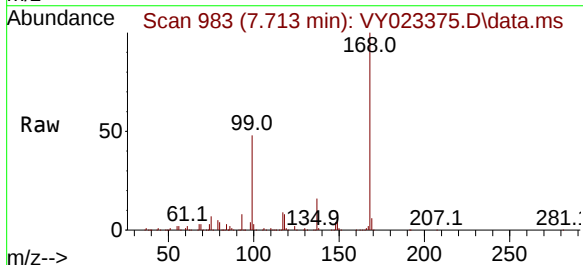
Instrument :
MSVOA_Y
ClientSampleId :

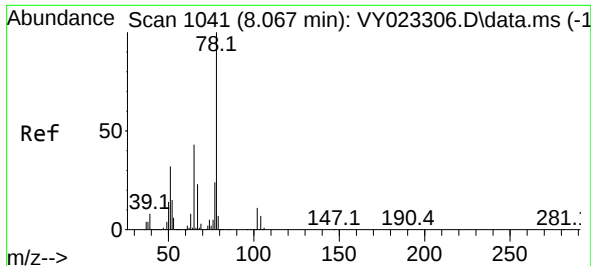
Tgt Ion: 43 Resp: 3324
Ion Ratio Lower Upper
43 100
72 21.0 23.5 35.3#



#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.018 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

Tgt Ion: 56 Resp: 10872
Ion Ratio Lower Upper
56 100
69 166.7 28.2 42.2#
84 154.3 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 61.241 ug/l

RT: 8.060 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023375.D

Acq: 25 Sep 2025 15:43

Instrument :

MSVOA_Y

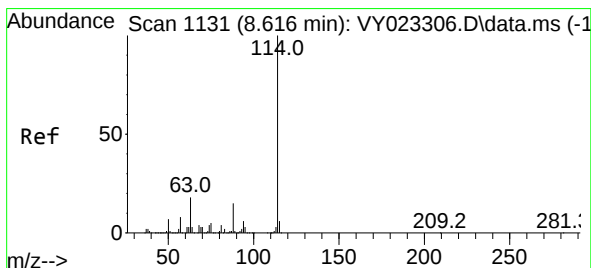
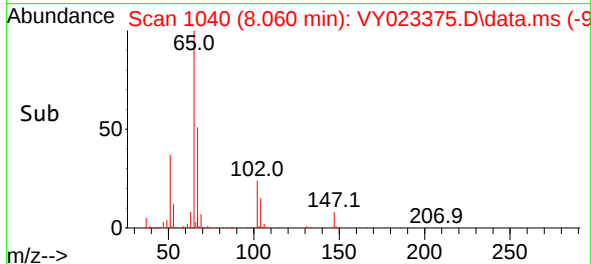
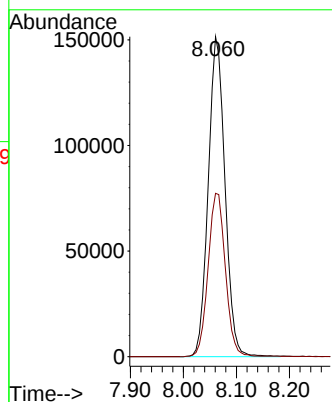
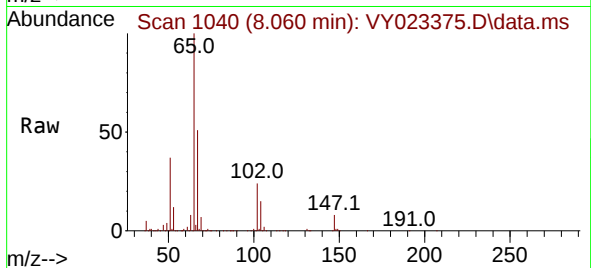
ClientSampleId :

Tgt Ion: 65 Resp: 332071

Ion Ratio Lower Upper

65 100

67 52.8 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: VY023375.D

Acq: 25 Sep 2025 15:43

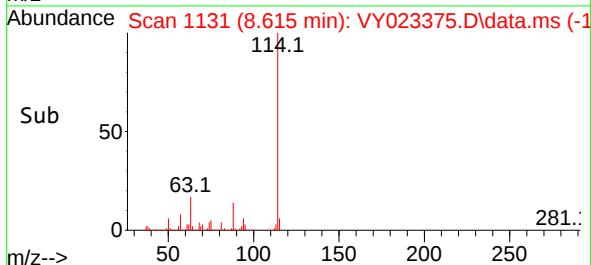
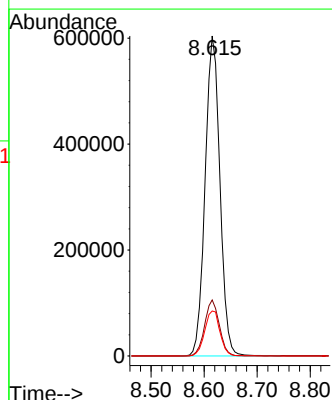
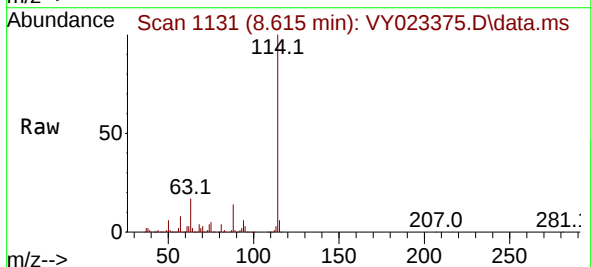
Tgt Ion: 114 Resp: 1170828

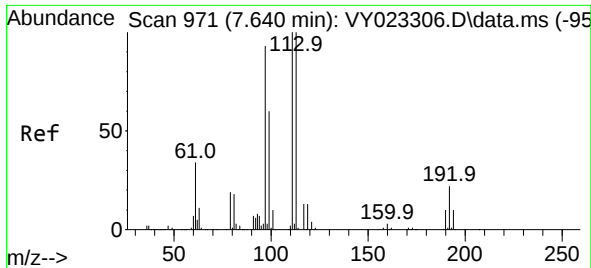
Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

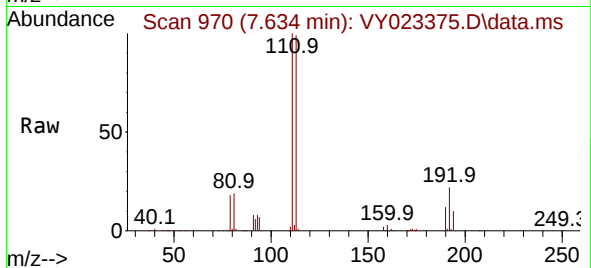
88 14.1 0.0 30.0



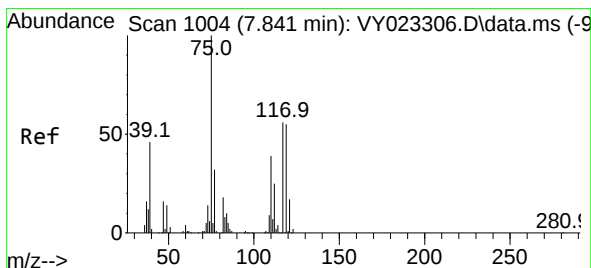
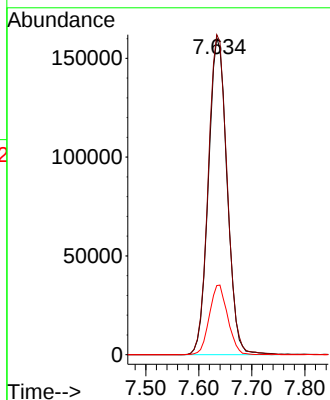
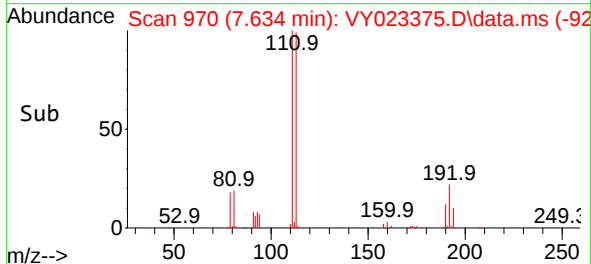


#35
Dibromofluoromethane
Concen: 54.843 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

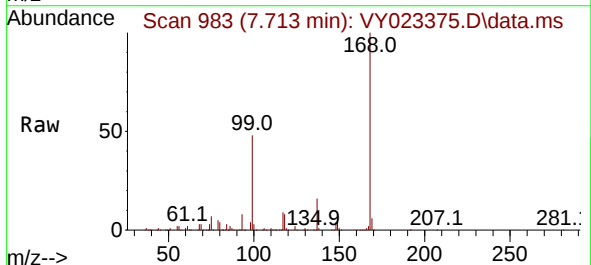
Instrument :
MSVOA_Y
ClientSampleId :



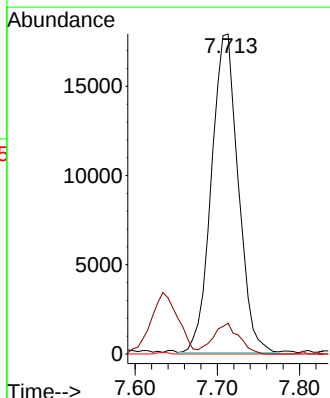
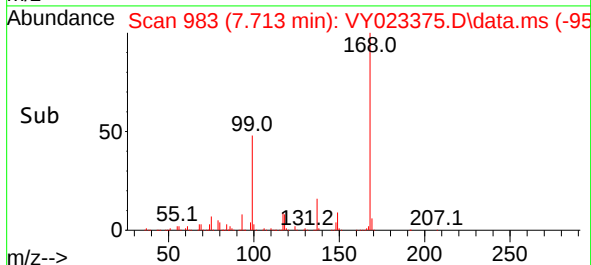
Tgt Ion:113 Resp: 392507
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 21.5 16.2 24.4

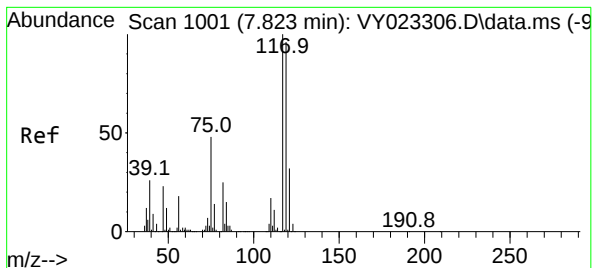


#36
1,1-Dichloropropene
Concen: 3.967 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43



Tgt Ion: 75 Resp: 40433
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.879 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

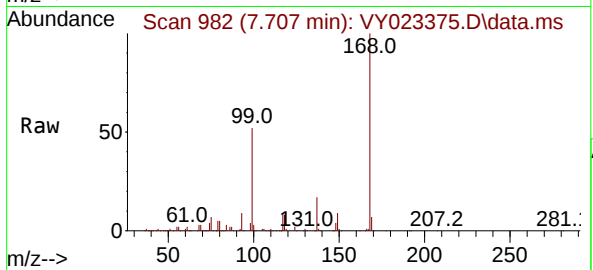
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Acq: 25 Sep 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :



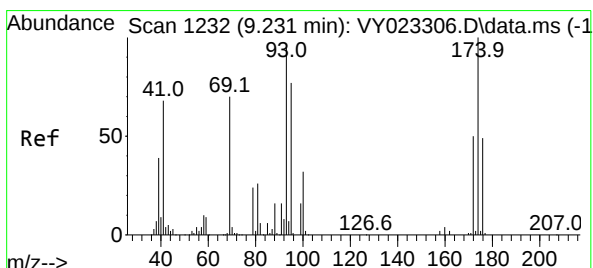
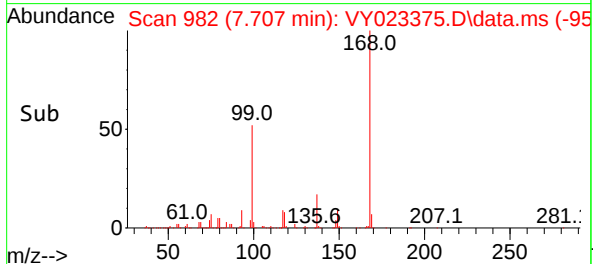
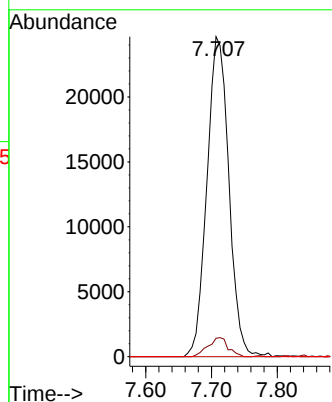
Tgt Ion:117 Resp: 57222

Ion Ratio Lower Upper

117 100

119 5.7 75.6 113.4#

121 0.0 25.8 38.8#



#49

1,4-Dioxane

Concen: 1.311 ug/l

RT: 9.408 min Scan# 1261

Delta R.T. 0.183 min

Lab File: VY023375.D

Acq: 25 Sep 2025 15:43

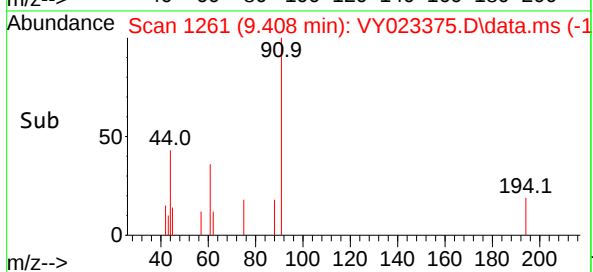
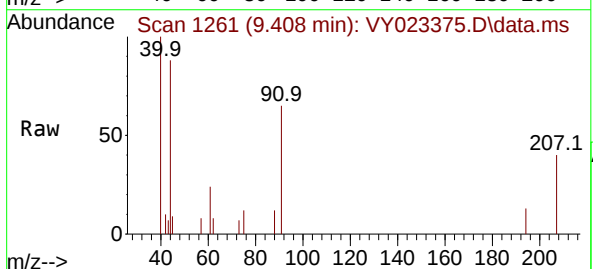
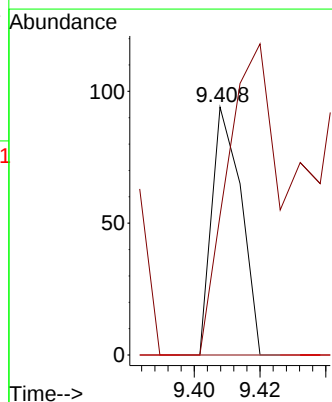
Tgt Ion: 88 Resp: 58

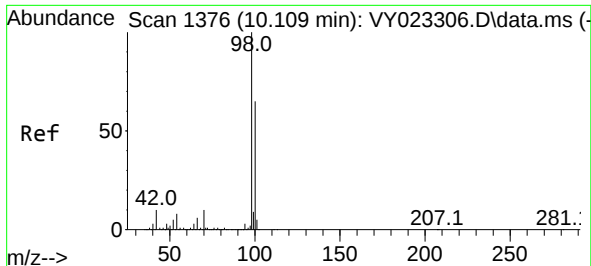
Ion Ratio Lower Upper

88 100

43 294.8 24.3 36.5#

58 0.0 55.4 83.0#

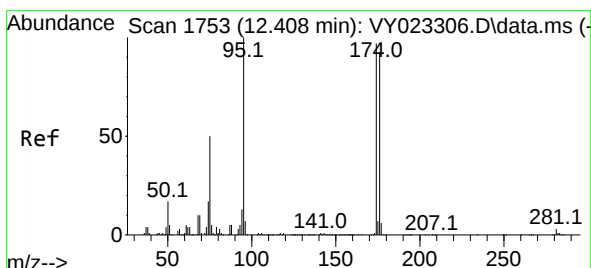
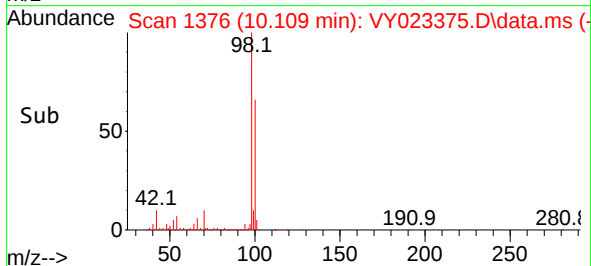
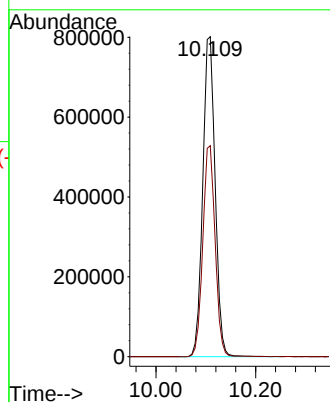
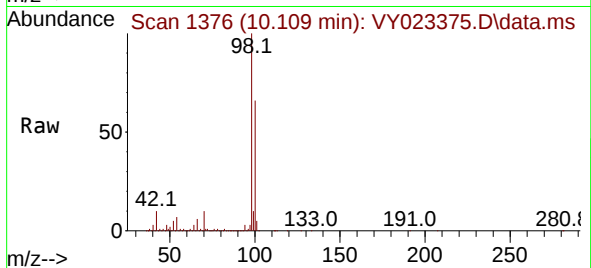




#50
Toluene-d8
Concen: 50.975 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

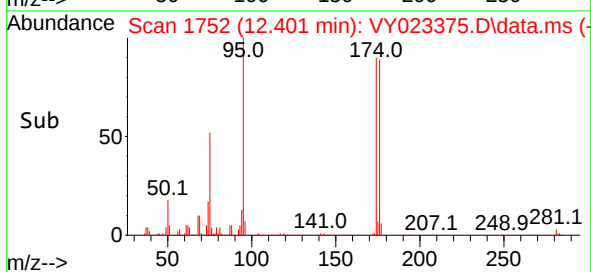
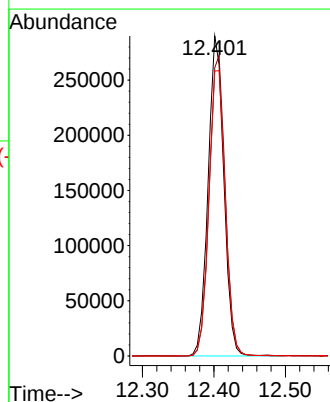
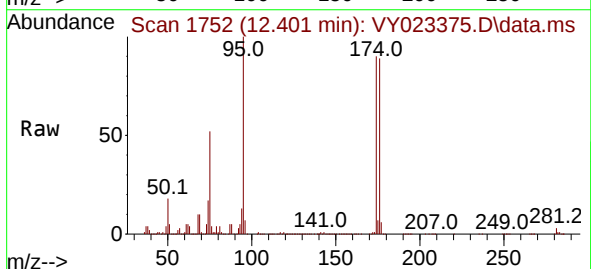
Instrument :
MSVOA_Y
ClientSampleId :

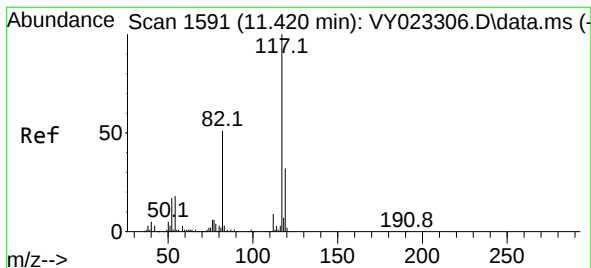
Tgt Ion: 98 Resp: 1377592
Ion Ratio Lower Upper
98 100
100 65.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 52.153 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

Tgt Ion: 95 Resp: 443545
Ion Ratio Lower Upper
95 100
174 95.7 0.0 171.6
176 93.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

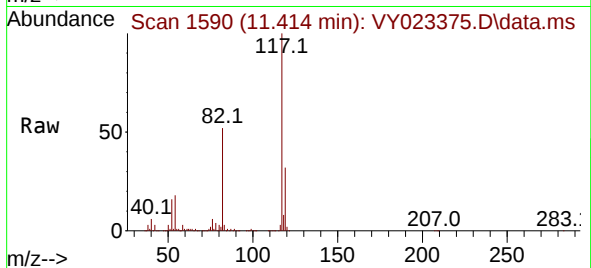
Lab File: VY023375.D

Acq: 25 Sep 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :



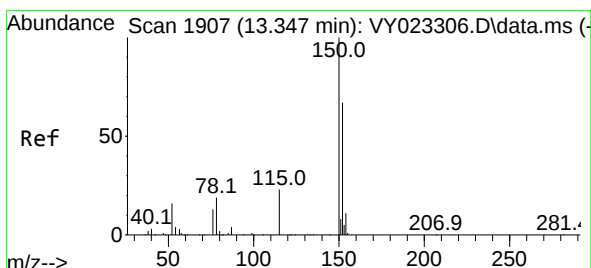
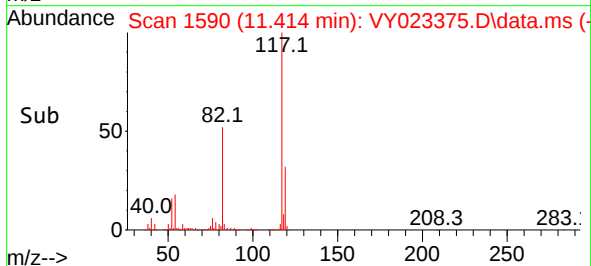
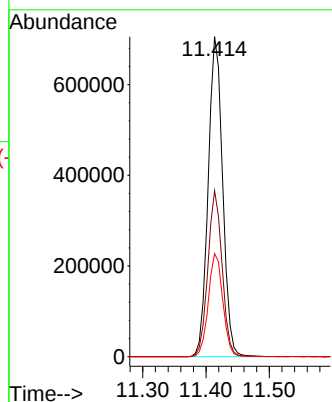
Tgt Ion:117 Resp: 1124064

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 32.2 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: VY023375.D

Acq: 25 Sep 2025 15:43

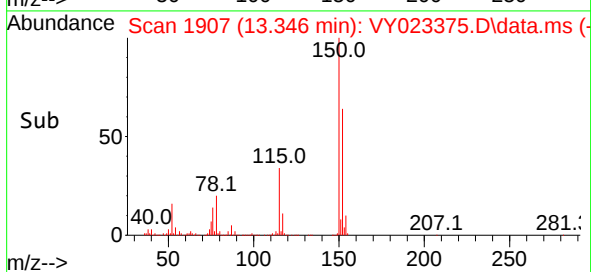
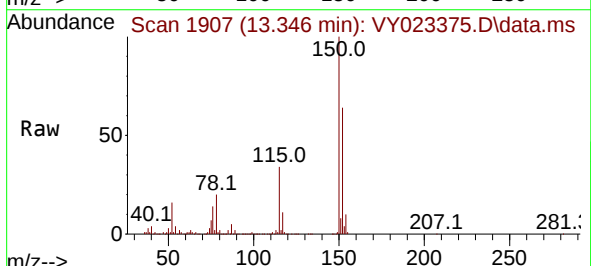
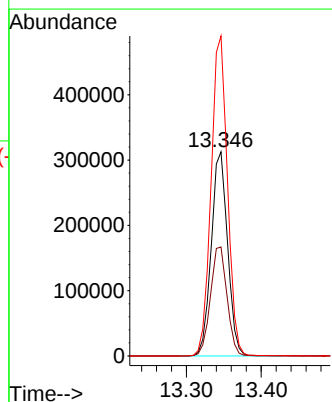
Tgt Ion:152 Resp: 473969

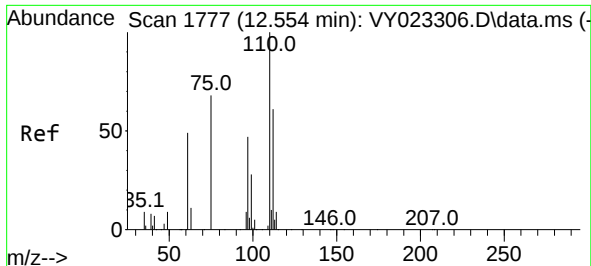
Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.6

150 157.1 0.0 348.0

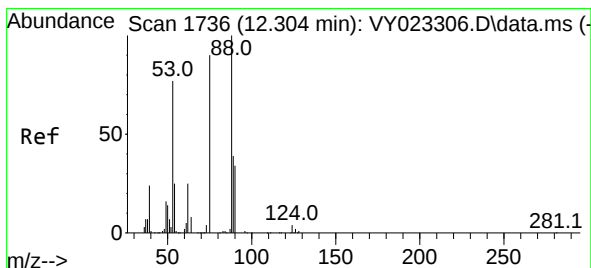
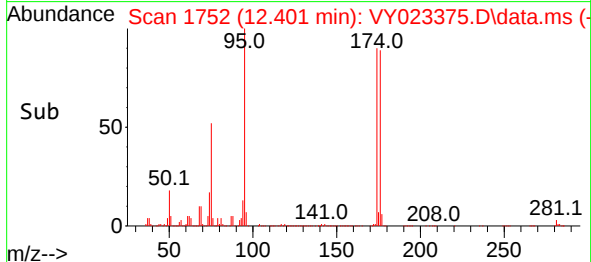
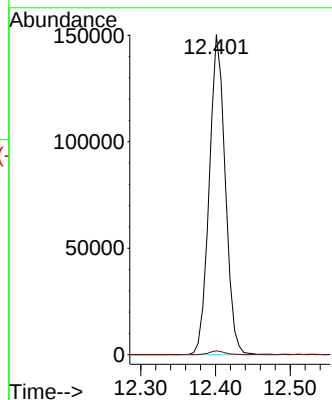
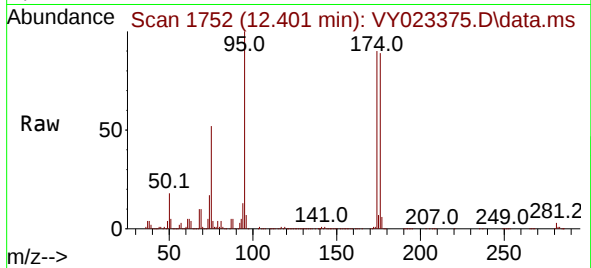




#76
1,2,3-Trichloropropane
Concen: 46.676 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.147 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 224035
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.289 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.103 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

Tgt Ion: 75 Resp: 224035
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.0 38.1 57.1#

