

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021614.D
 Acq On : 24 Mar 2025 13:41
 Operator : SY/MD
 Sample : Q1619-11
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Mar 25 01:30:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

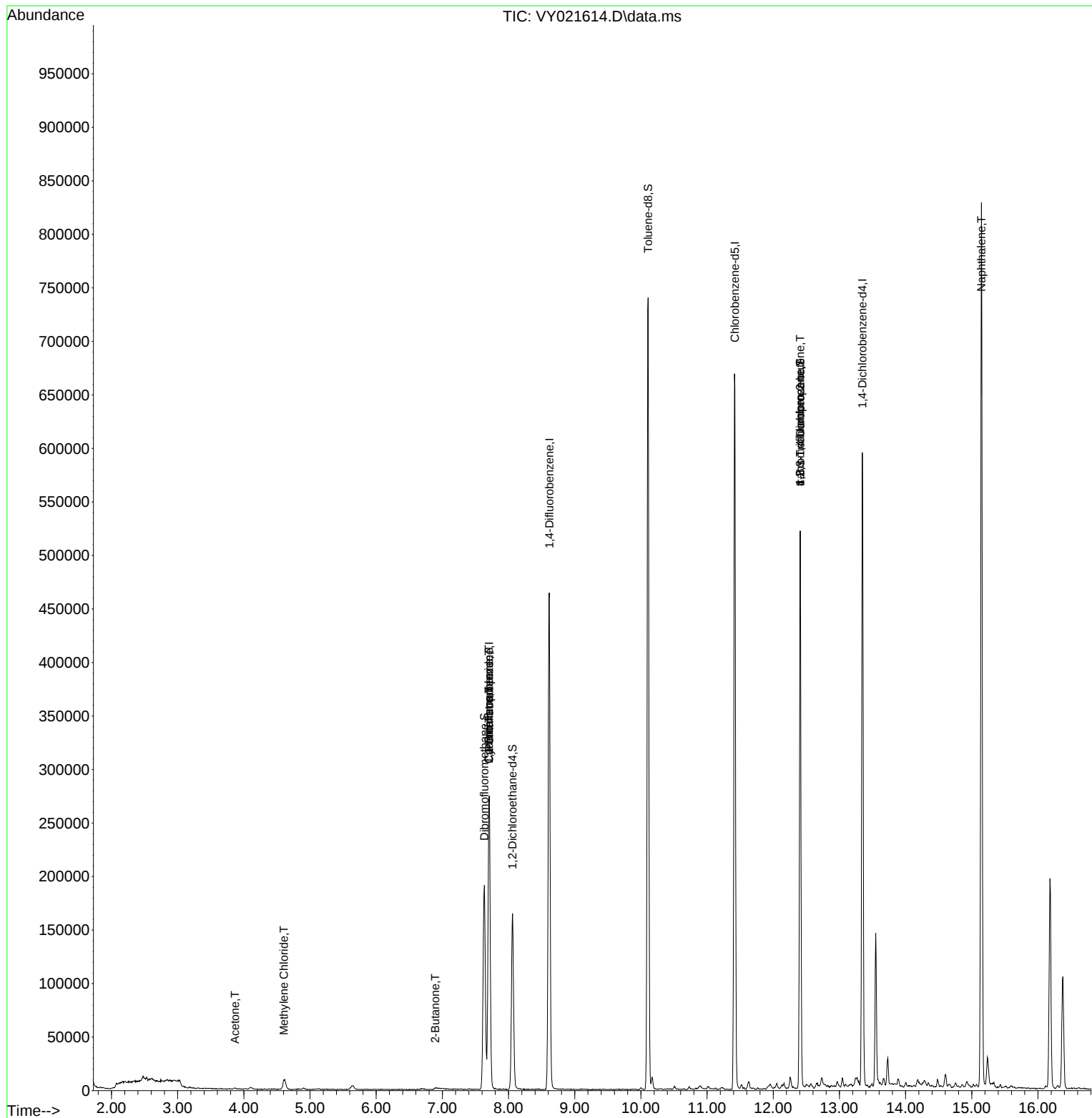
Internal Standards						
1) Pentafluorobenzene	7.707	168	209663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	390687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	353972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	146126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128467	57.972	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.940%	
35) Dibromofluoromethane	7.634	113	134487	52.369	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.740%	
50) Toluene-d8	10.109	98	475937	48.947	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.900%	
62) 4-Bromofluorobenzene	12.408	95	150863	45.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.220%	
Target Compounds						
11) Tert butyl alcohol	4.872	59	166	Below Cal	#	72
16) Acetone	3.866	43	1814	3.753	ug/l #	87
20) Methylene Chloride	4.604	84	6688	2.636	ug/l	87
25) 2-Butanone	6.890	43	1190	1.780	ug/l #	48
31) Cyclohexane	7.701	56	4626	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	16986	4.226	ug/l #	50
38) Carbon Tetrachloride	7.701	117	21543	4.660	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	79980	54.316	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	79980	123.478	ug/l #	9
95) Naphthalene	15.145	128	612613	123.981	ug/l	100

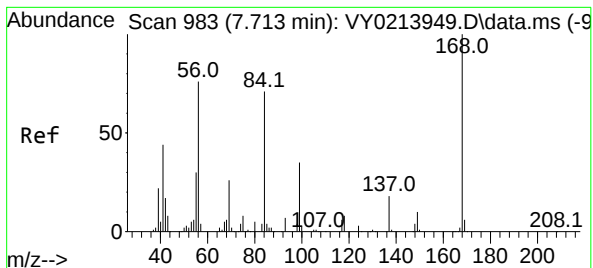
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021614.D

Acq: 24 Mar 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

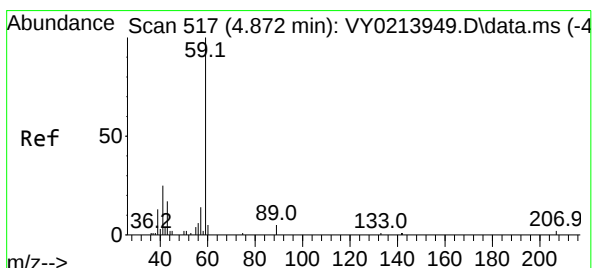
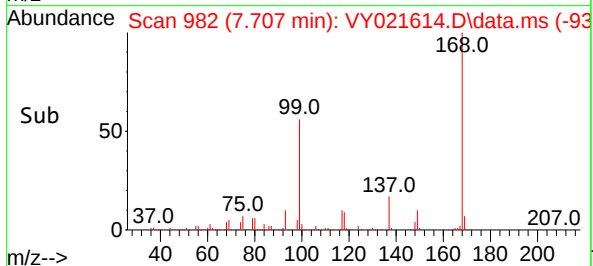
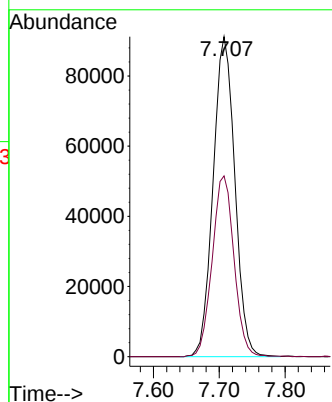
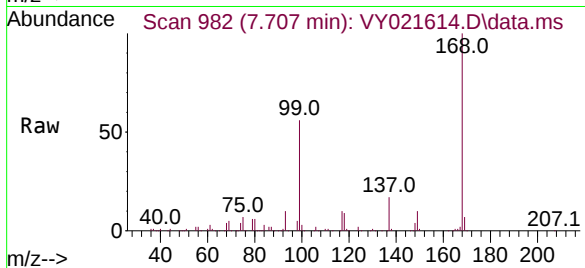
TP-4

Tgt Ion:168 Resp: 209663

Ion Ratio Lower Upper

168 100

99 56.5 46.0 69.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.872 min Scan# 517

Delta R.T. 0.000 min

Lab File: VY021614.D

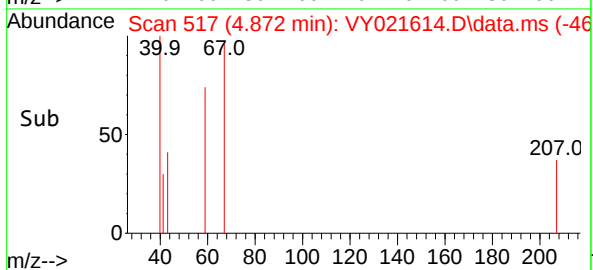
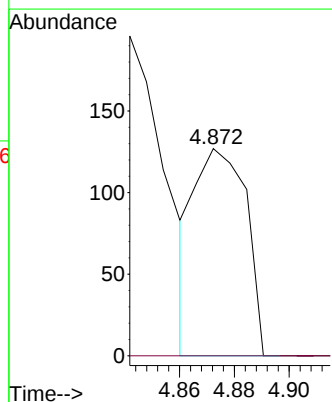
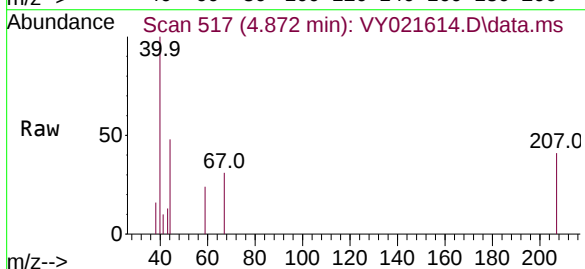
Acq: 24 Mar 2025 13:41

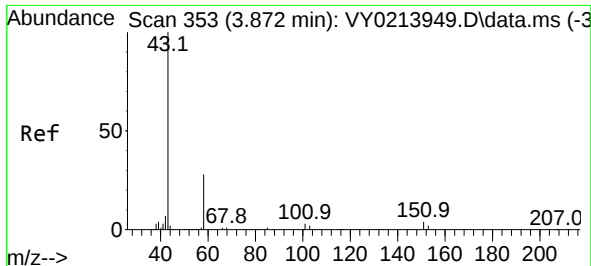
Tgt Ion: 59 Resp: 166

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

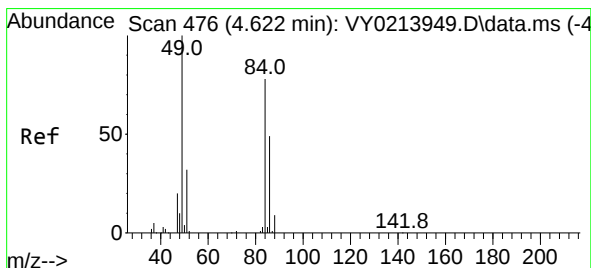
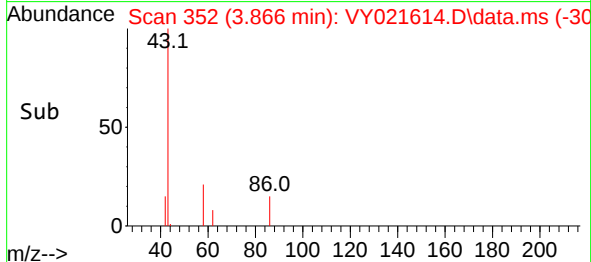
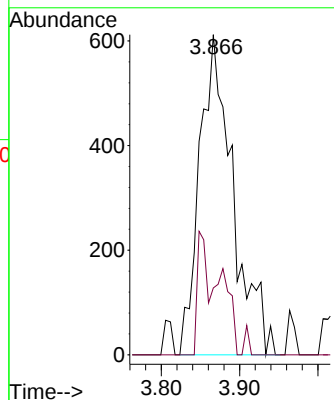
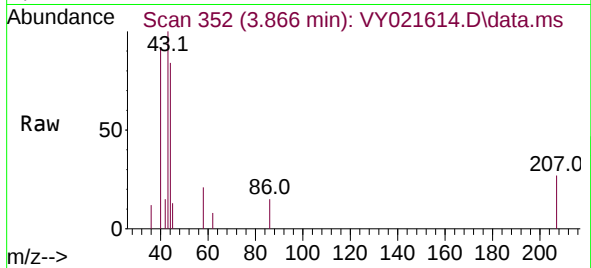




#16
Acetone
Concen: 3.753 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021614.D
Acq: 24 Mar 2025 13:41

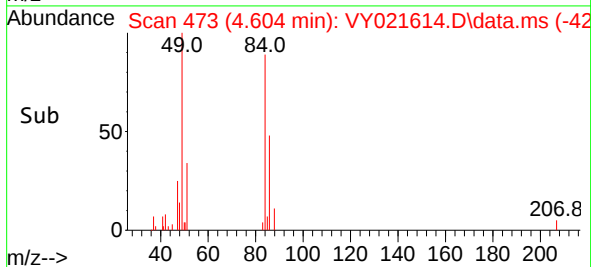
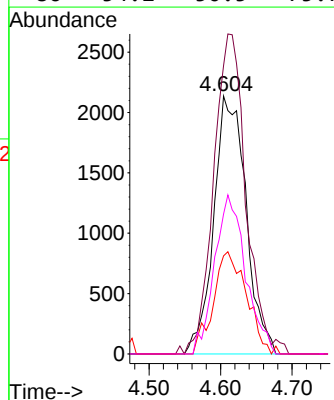
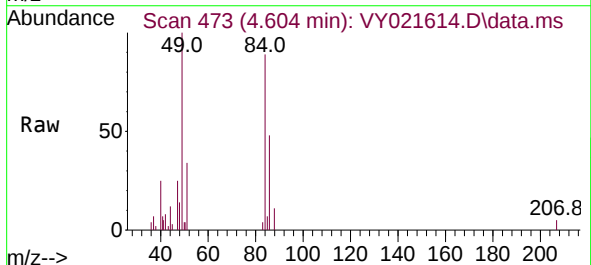
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

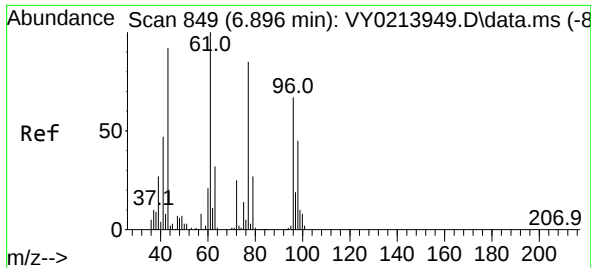
Tgt Ion: 43 Resp: 1814
Ion Ratio Lower Upper
43 100
58 20.9 22.1 33.1#



#20
Methylene Chloride
Concen: 2.636 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.018 min
Lab File: VY021614.D
Acq: 24 Mar 2025 13:41

Tgt Ion: 84 Resp: 6688
Ion Ratio Lower Upper
84 100
49 108.8 102.0 153.0
51 38.0 33.0 49.6
86 54.2 50.5 75.7

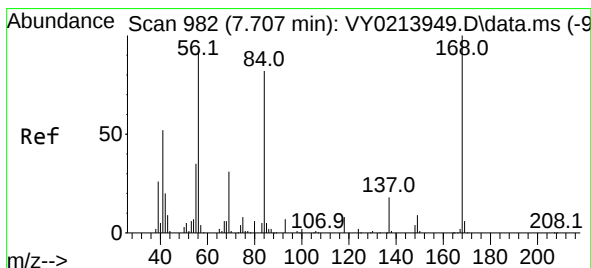
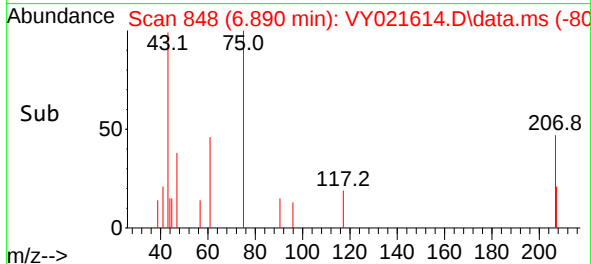
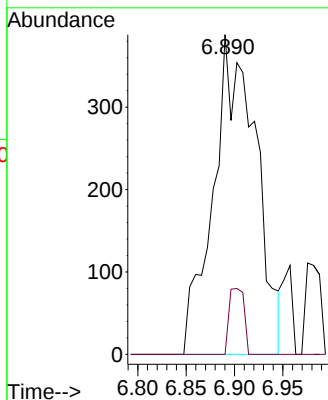
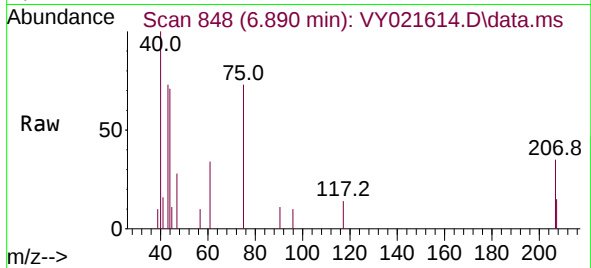




#25
2-Butanone
Concen: 1.780 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021614.D
Acq: 24 Mar 2025 13:41

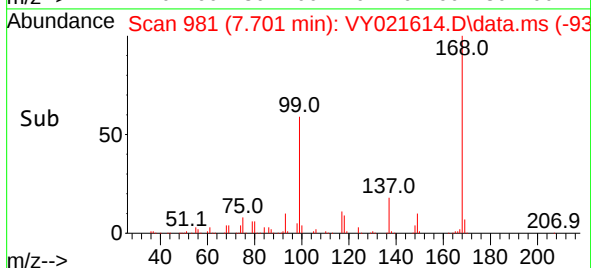
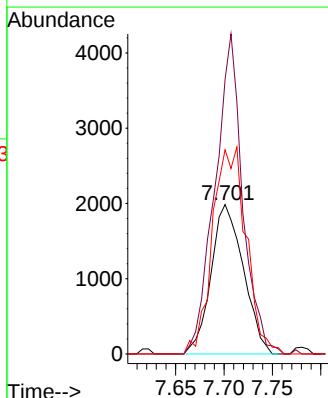
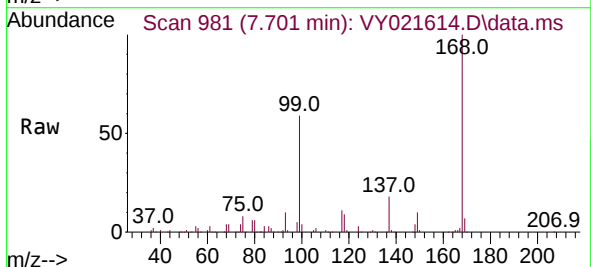
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

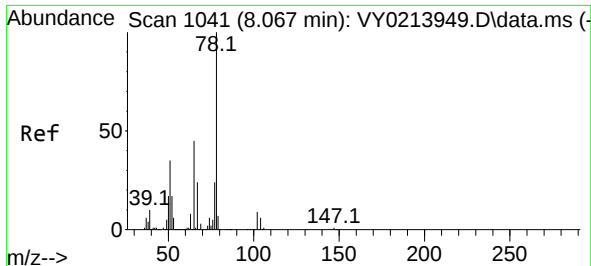
Tgt Ion: 43 Resp: 1190
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#31
Cyclohexane
Concen: 1.115 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY021614.D
Acq: 24 Mar 2025 13:41

Tgt Ion: 56 Resp: 4626
Ion Ratio Lower Upper
56 100
69 183.8 27.0 40.4#
84 136.6 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 57.972 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021614.D

Acq: 24 Mar 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

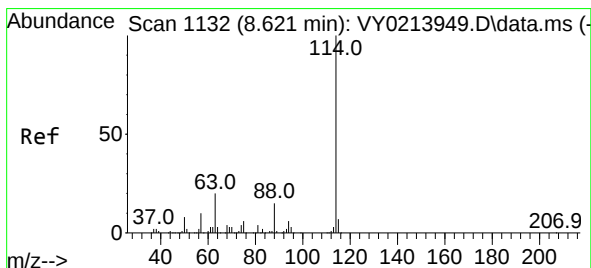
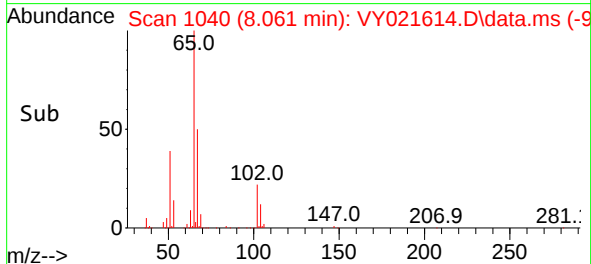
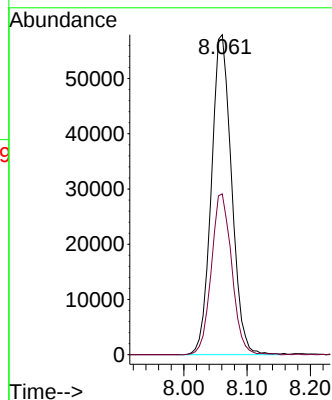
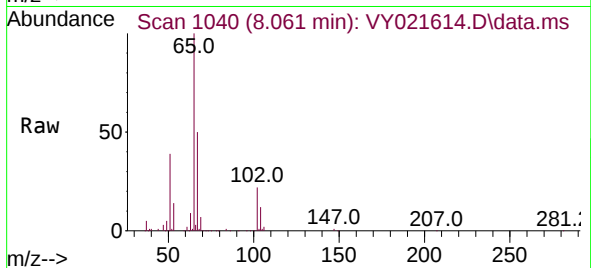
TP-4

Tgt Ion: 65 Resp: 128467

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021614.D

Acq: 24 Mar 2025 13:41

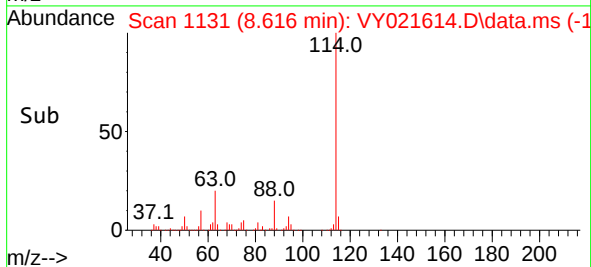
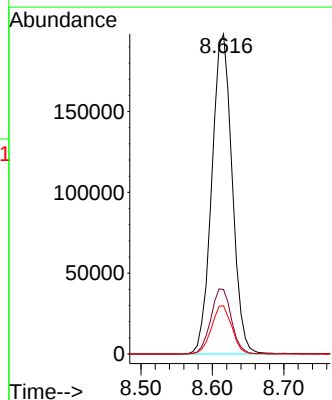
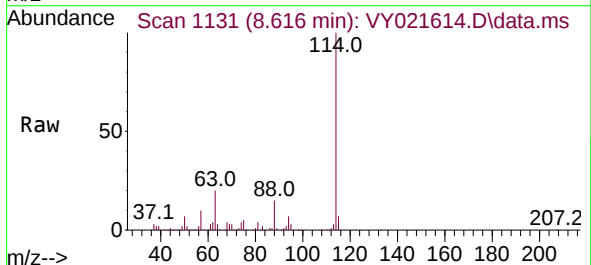
Tgt Ion: 114 Resp: 390687

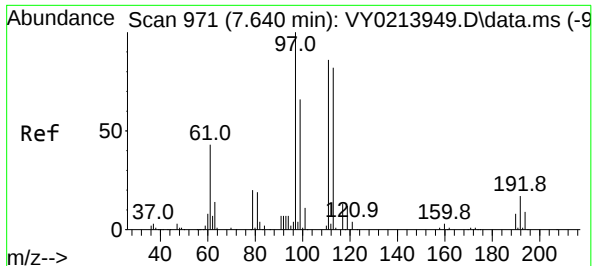
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.369 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021614.D

Acq: 24 Mar 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

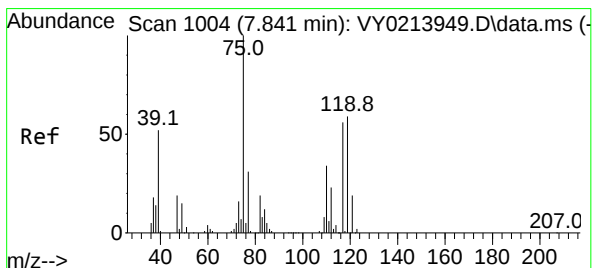
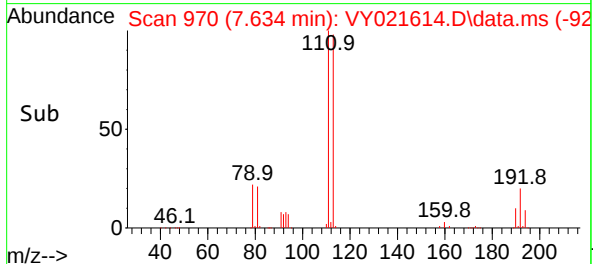
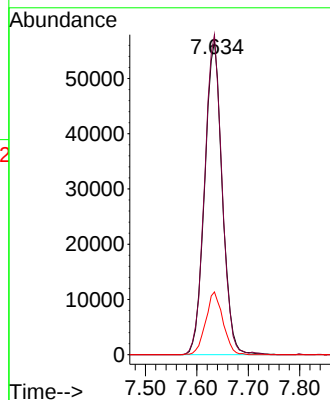
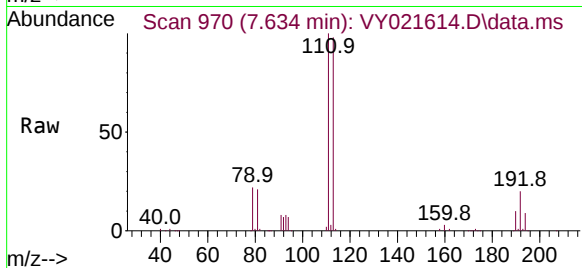
Tgt Ion:113 Resp: 134487

Ion Ratio Lower Upper

113 100

111 100.8 82.0 123.0

192 19.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.226 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021614.D

Acq: 24 Mar 2025 13:41

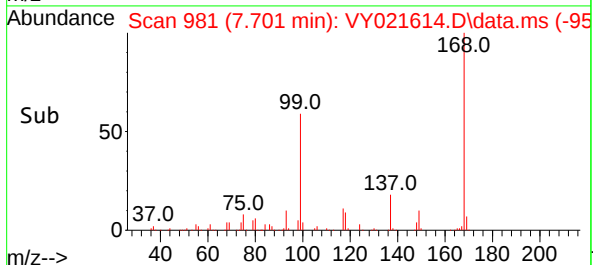
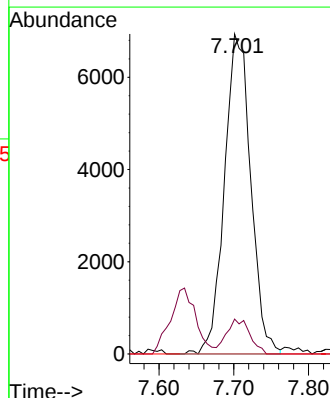
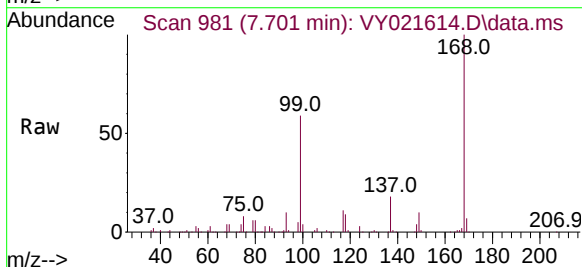
Tgt Ion: 75 Resp: 16986

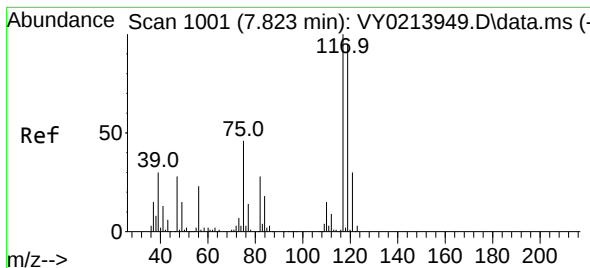
Ion Ratio Lower Upper

75 100

110 9.5 17.3 51.7#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.660 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY021614.D

Acq: 24 Mar 2025 13:41

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

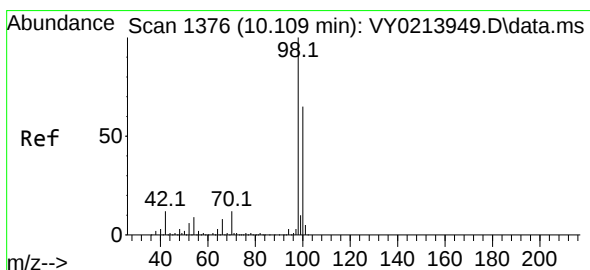
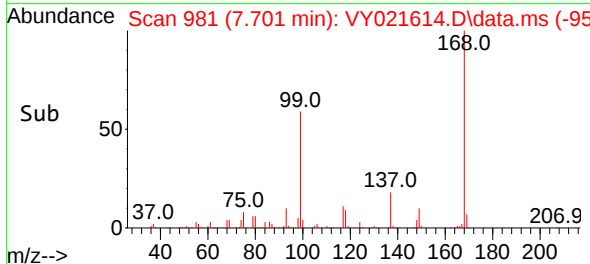
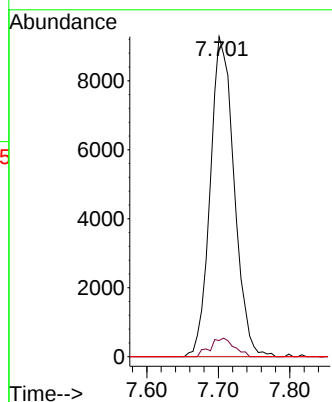
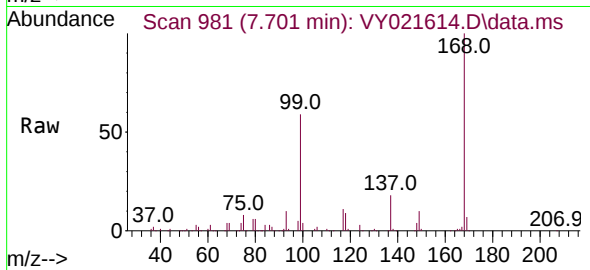
Tgt Ion:117 Resp: 21543

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 48.947 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021614.D

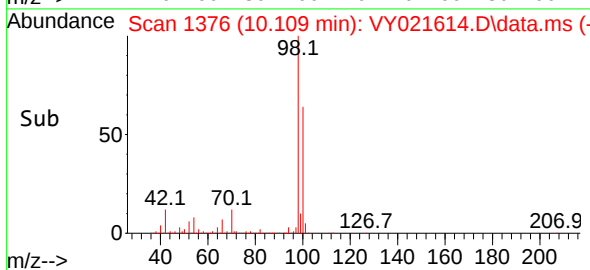
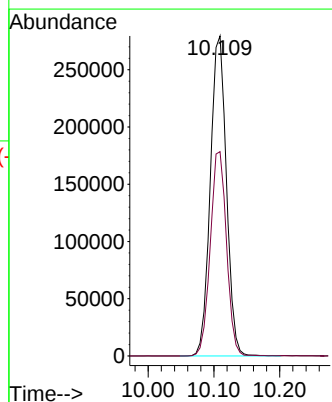
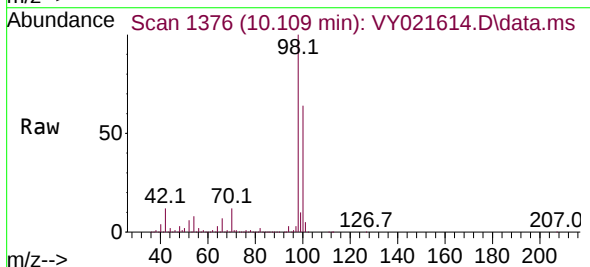
Acq: 24 Mar 2025 13:41

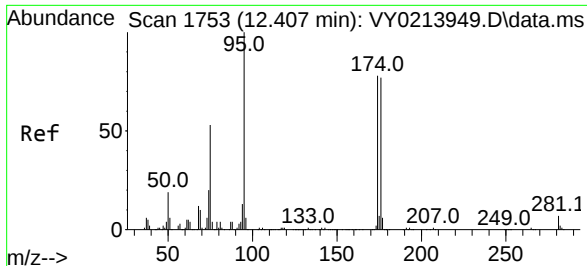
Tgt Ion: 98 Resp: 475937

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1

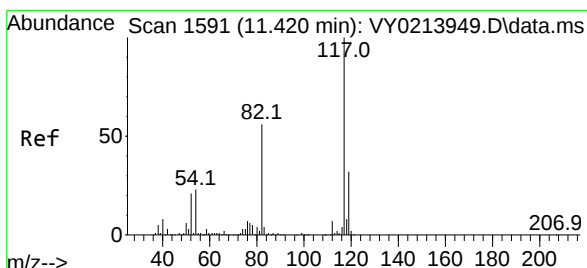
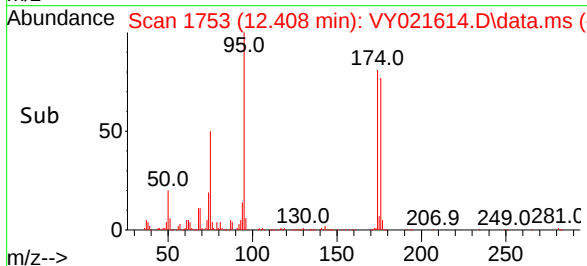
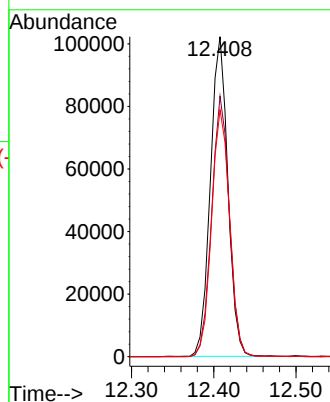
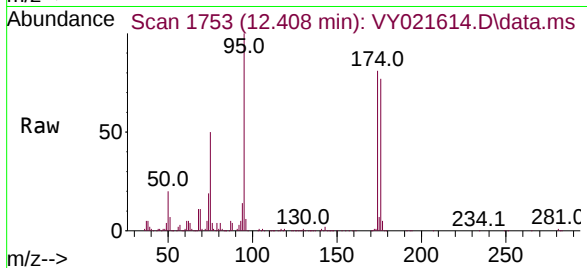




#62
4-Bromofluorobenzene
Concen: 45.612 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021614.D
Acq: 24 Mar 2025 13:41

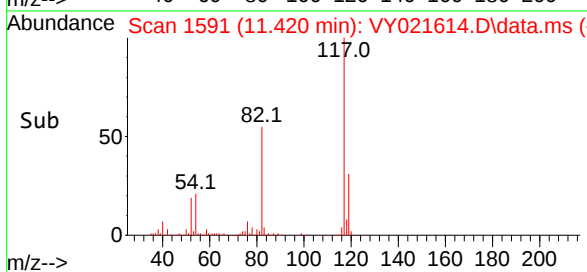
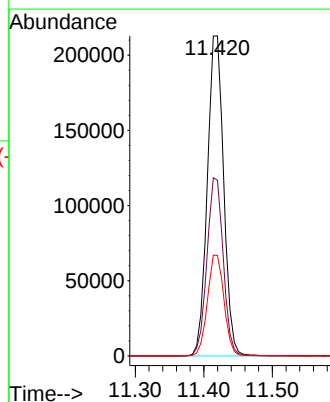
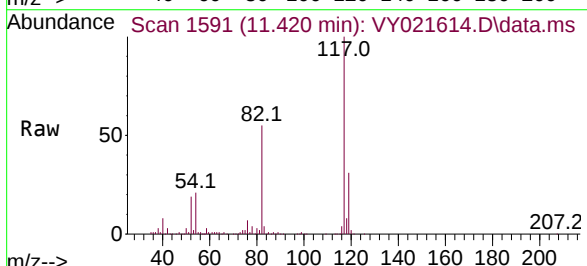
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

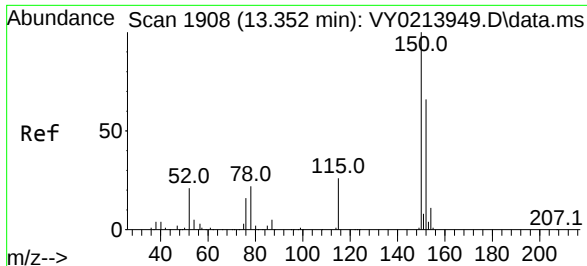
Tgt Ion: 95 Resp: 150863
Ion Ratio Lower Upper
95 100
174 82.8 0.0 165.0
176 79.9 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021614.D
Acq: 24 Mar 2025 13:41

Tgt Ion: 117 Resp: 353972
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 31.4 25.4 38.0

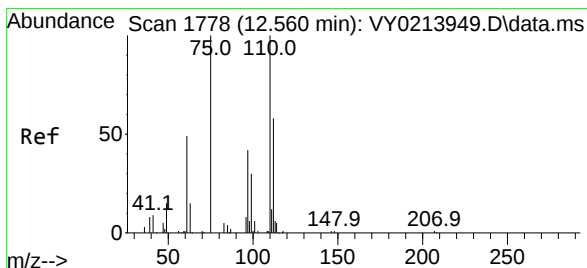
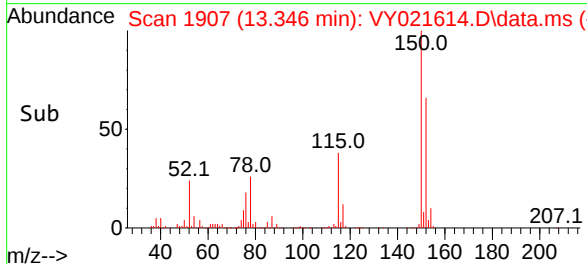
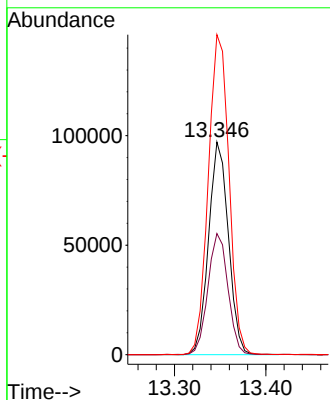
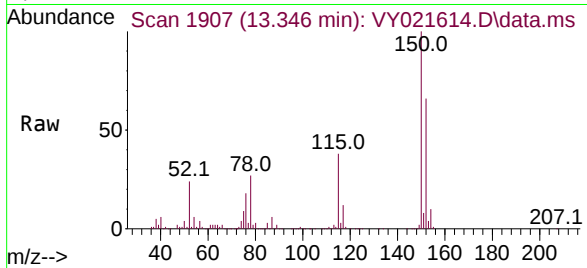




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021614.D
 Acq: 24 Mar 2025 13:41

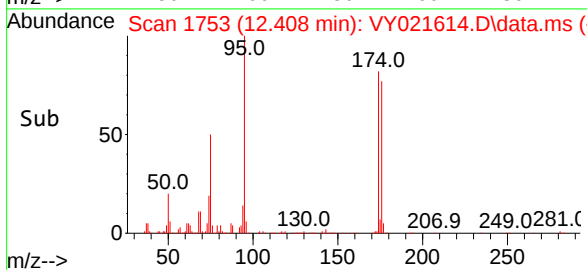
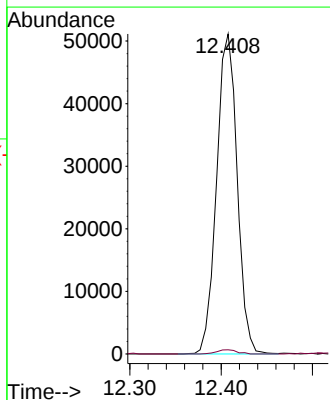
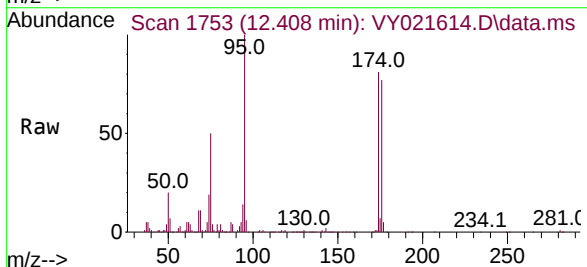
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

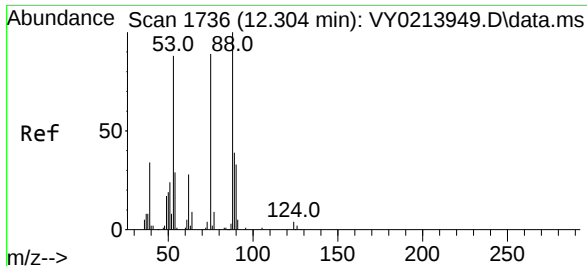
Tgt Ion:152 Resp: 146126
 Ion Ratio Lower Upper
 152 100
 115 57.4 29.0 87.0
 150 157.2 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 54.316 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021614.D
 Acq: 24 Mar 2025 13:41

Tgt Ion: 75 Resp: 79980
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

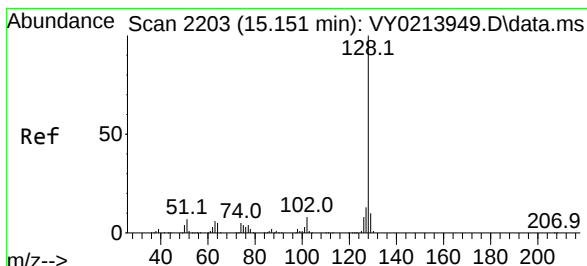
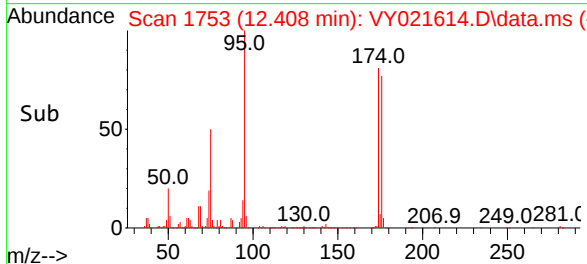
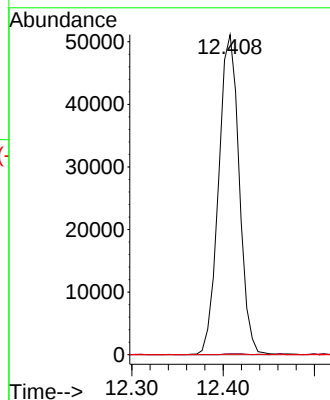
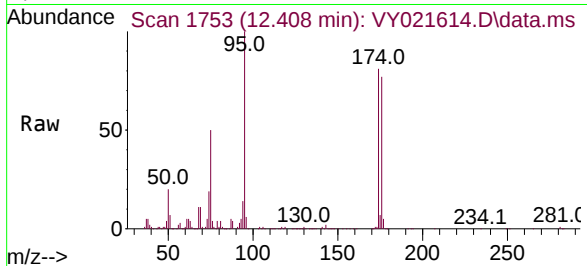




#81
trans-1,4-Dichloro-2-butene
Concen: 123.478 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021614.D
Acq: 24 Mar 2025 13:41

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion: 75 Resp: 79980
Ion Ratio Lower Upper
75 100
53 0.3 81.0 121.4#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 123.981 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021614.D
Acq: 24 Mar 2025 13:41

Tgt Ion: 128 Resp: 612613
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.6 13.0

