

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031425\
 Data File : VY021531.D
 Acq On : 14 Mar 2025 11:20
 Operator : SY/MD
 Sample : VY0314SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0314SBL01

Quant Time: Mar 15 01:59:25 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	243205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	447203	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	397664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	156921	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149811	58.280	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.560%
35) Dibromofluoromethane	7.628	113	151124	51.411	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.820%
50) Toluene-d8	10.109	98	542458	48.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.480%
62) 4-Bromofluorobenzene	12.408	95	165764	43.784	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.560%

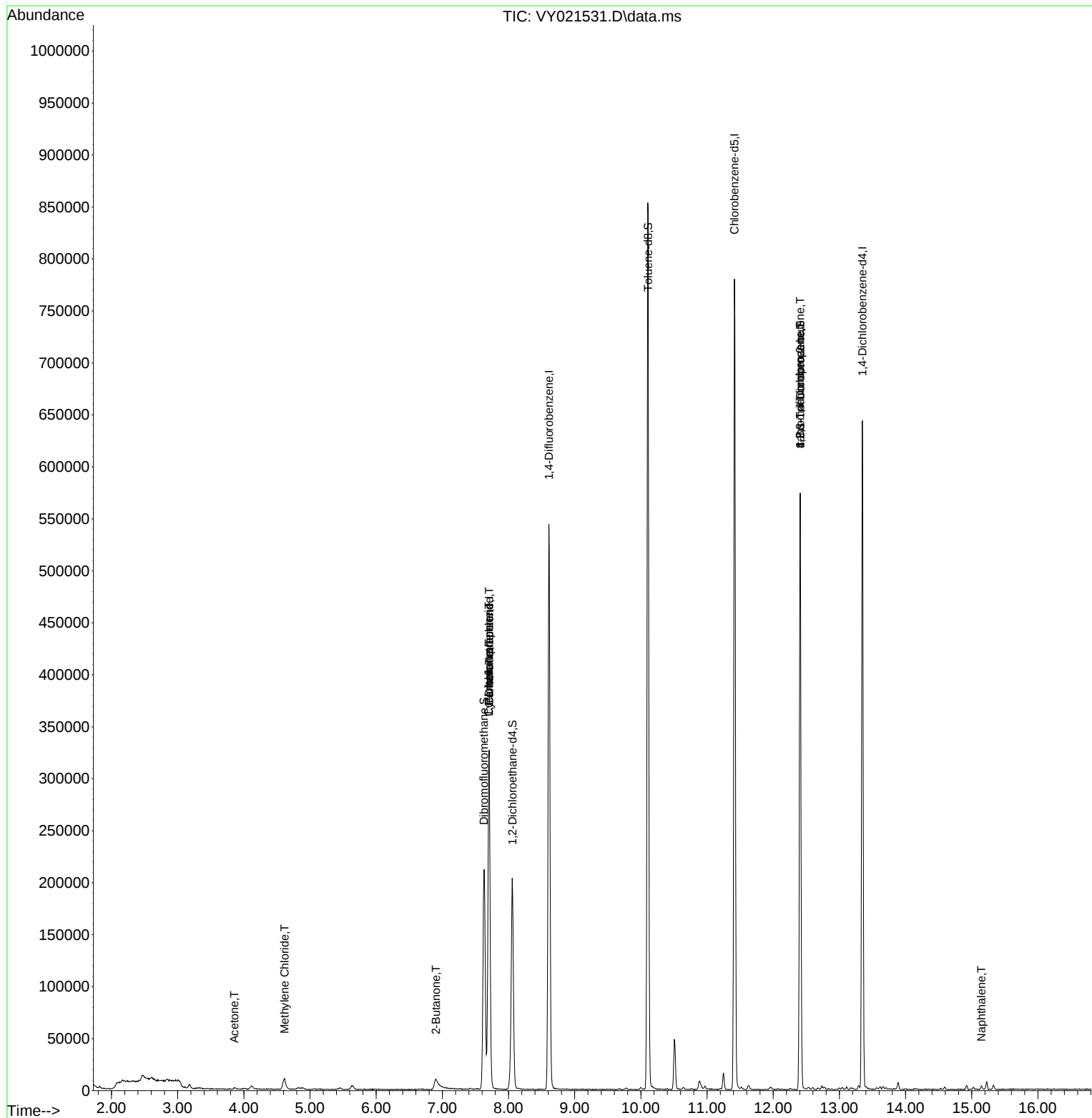
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.824	59	1275	Below Cal	#	72
16) Acetone	3.854	43	2252	4.017	ug/l #	76
20) Methylene Chloride	4.616	84	6481	2.202	ug/l	94
25) 2-Butanone	6.902	43	991	1.278	ug/l	94
31) Cyclohexane	7.701	56	5651	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	20791	4.519	ug/l #	50
38) Carbon Tetrachloride	7.707	117	24973	4.719	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	90577	57.281	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	90577	130.218	ug/l #	9
95) Naphthalene	15.145	128	2428	2.020	ug/l	96

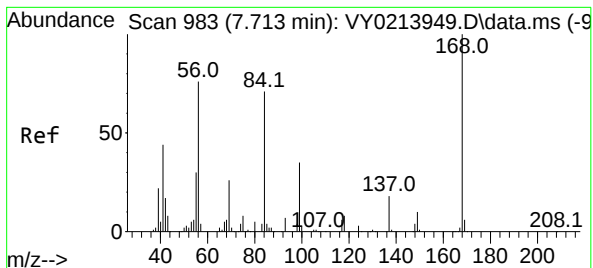
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031425\
Data File : VY021531.D
Acq On : 14 Mar 2025 11:20
Operator : SY/MD
Sample : VY0314SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0314SBL01

Quant Time: Mar 15 01:59:25 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021531.D

Acq: 14 Mar 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

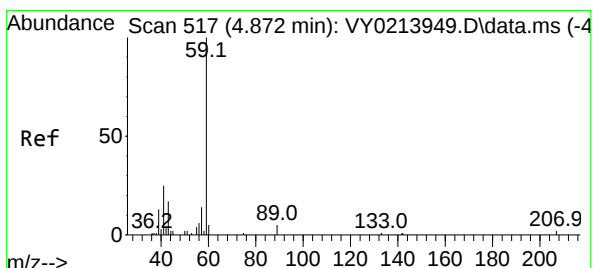
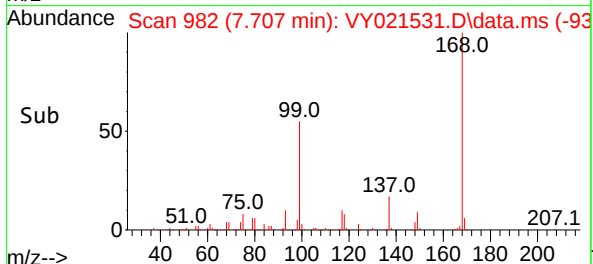
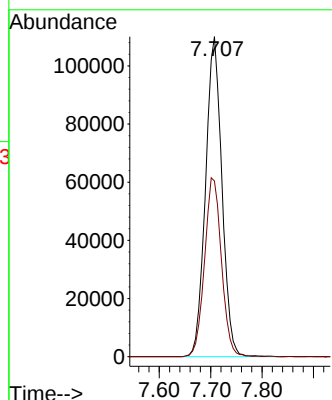
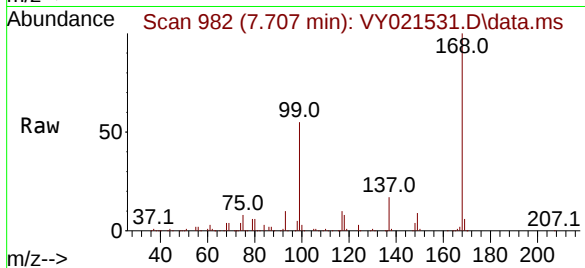
VY0314SBL01

Tgt Ion:168 Resp: 243205

Ion Ratio Lower Upper

168 100

99 54.9 46.0 69.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.824 min Scan# 509

Delta R.T. -0.048 min

Lab File: VY021531.D

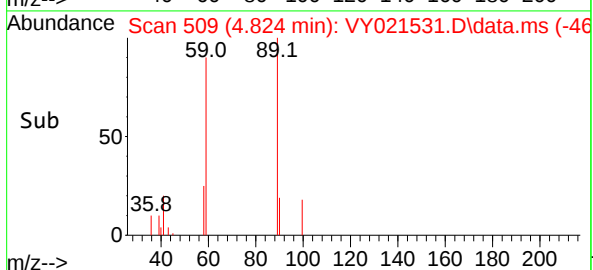
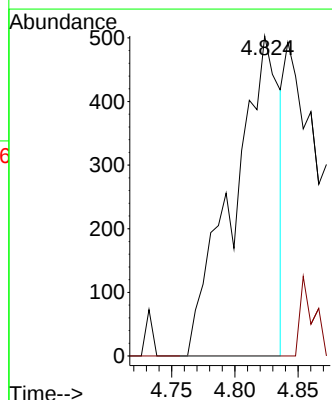
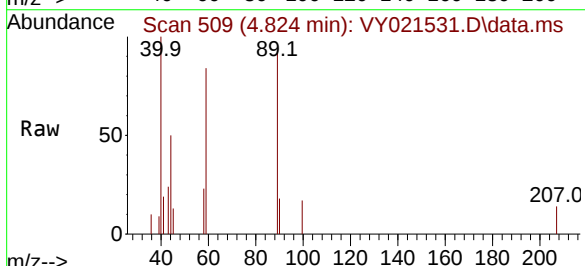
Acq: 14 Mar 2025 11:20

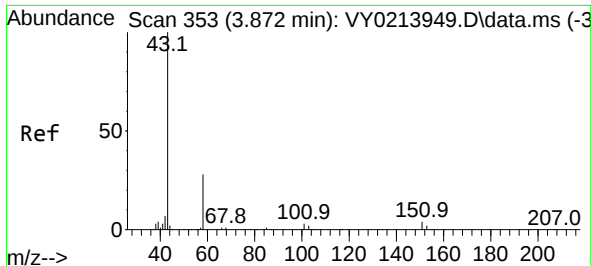
Tgt Ion: 59 Resp: 1275

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

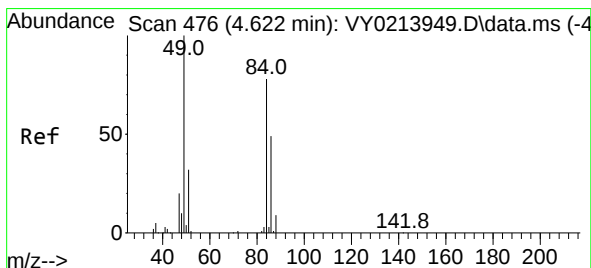
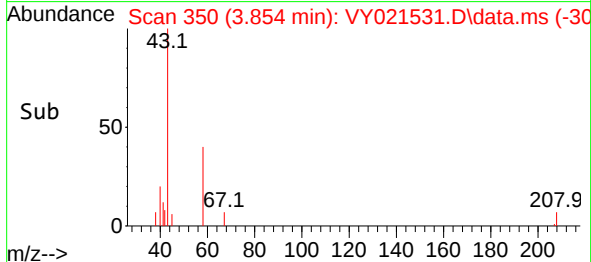
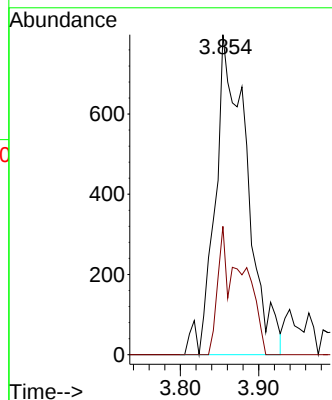
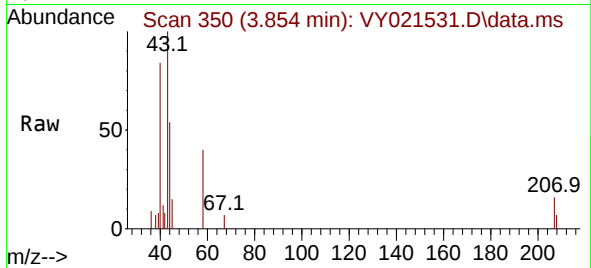




#16
Acetone
Concen: 4.017 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY021531.D
Acq: 14 Mar 2025 11:20

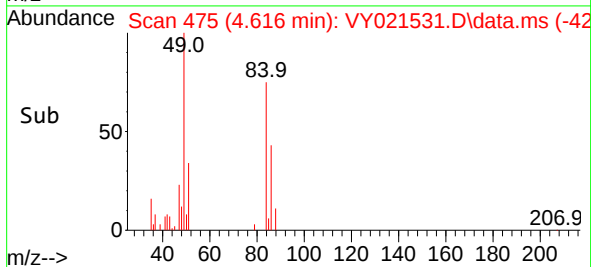
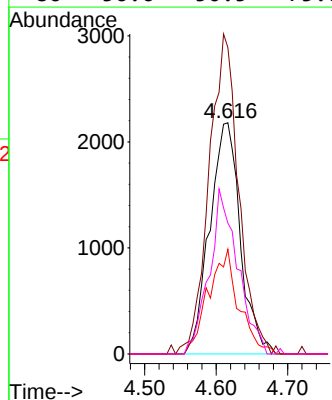
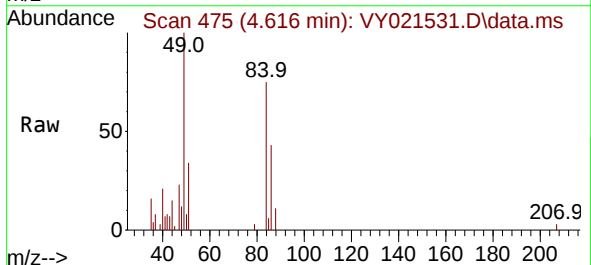
Instrument :
MSVOA_Y
ClientSampleId :
VY0314SBL01

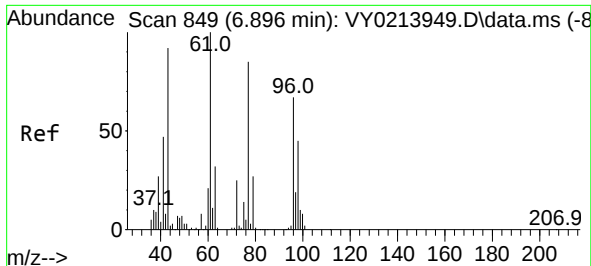
Tgt Ion: 43 Resp: 2252
Ion Ratio Lower Upper
43 100
58 40.1 22.1 33.1#



#20
Methylene Chloride
Concen: 2.202 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021531.D
Acq: 14 Mar 2025 11:20

Tgt Ion: 84 Resp: 6481
Ion Ratio Lower Upper
84 100
49 132.5 102.0 153.0
51 45.2 33.0 49.6
86 56.6 50.5 75.7

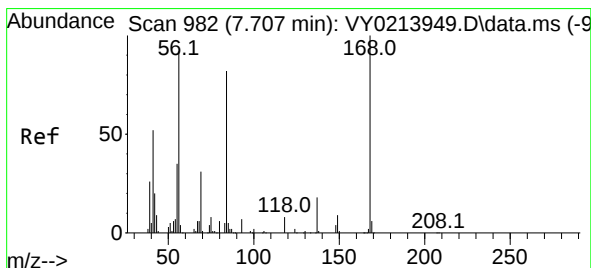
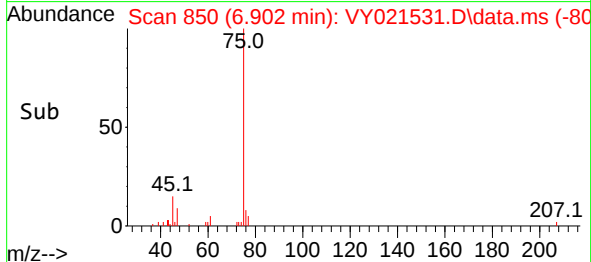
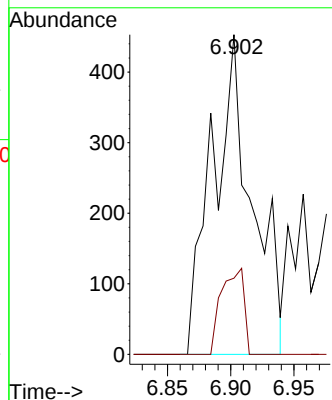
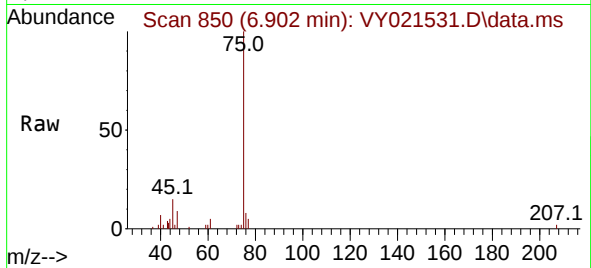




#25
2-Butanone
Concen: 1.278 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021531.D
Acq: 14 Mar 2025 11:20

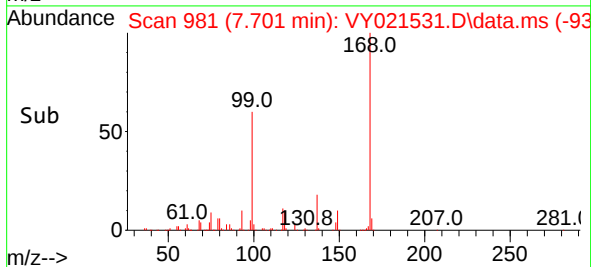
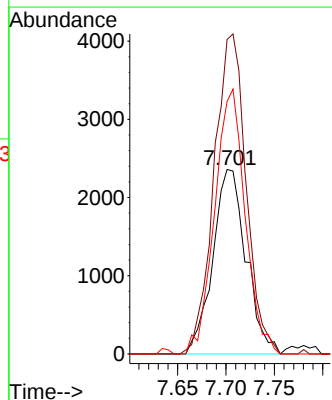
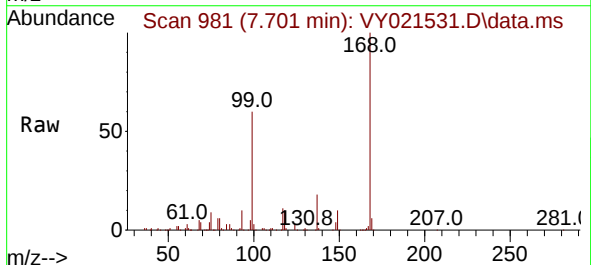
Instrument :
MSVOA_Y
ClientSampleId :
VY0314SBL01

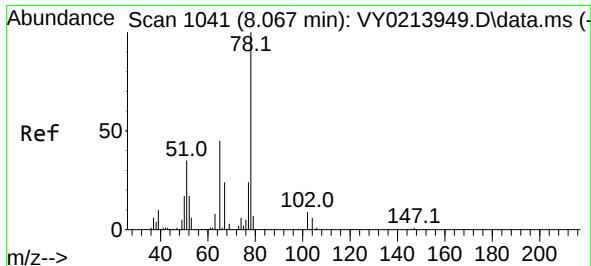
Tgt Ion: 43 Resp: 991
Ion Ratio Lower Upper
43 100
72 23.8 21.4 32.0



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY021531.D
Acq: 14 Mar 2025 11:20

Tgt Ion: 56 Resp: 5651
Ion Ratio Lower Upper
56 100
69 170.5 27.0 40.4#
84 136.9 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 58.280 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021531.D

Acq: 14 Mar 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

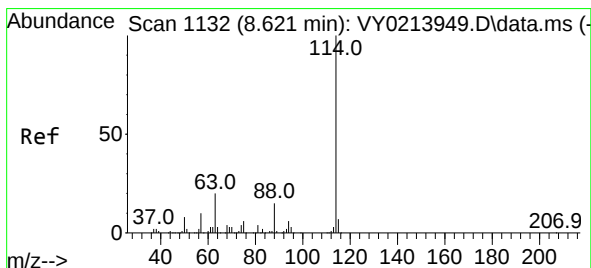
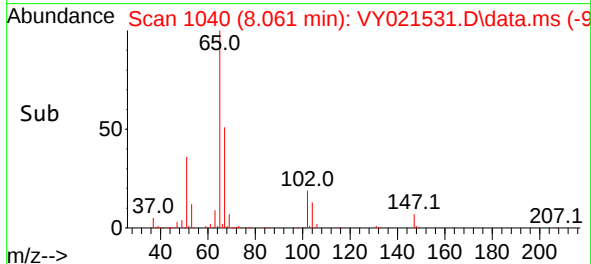
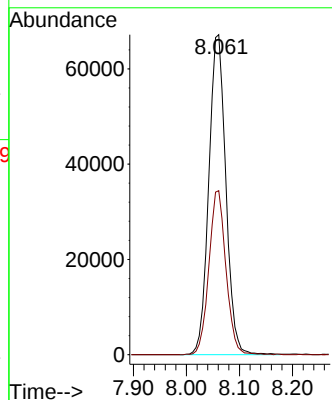
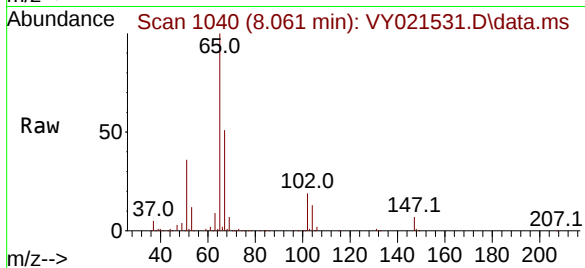
VY0314SBL01

Tgt Ion: 65 Resp: 149811

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.012 min

Lab File: VY021531.D

Acq: 14 Mar 2025 11:20

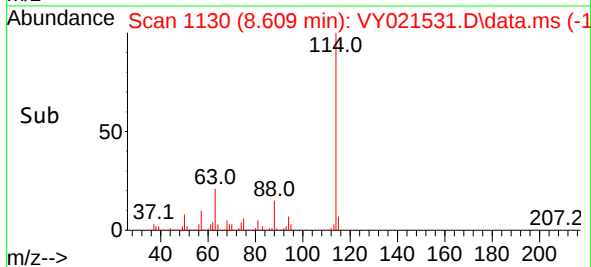
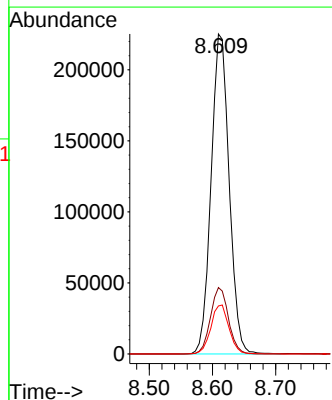
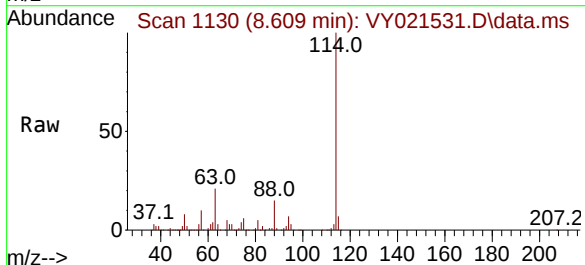
Tgt Ion: 114 Resp: 447203

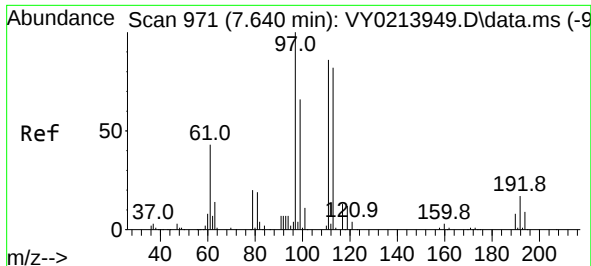
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.0 0.0 30.8

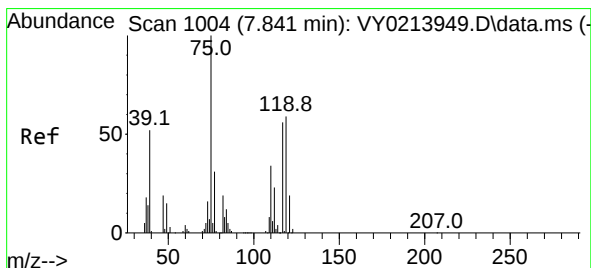
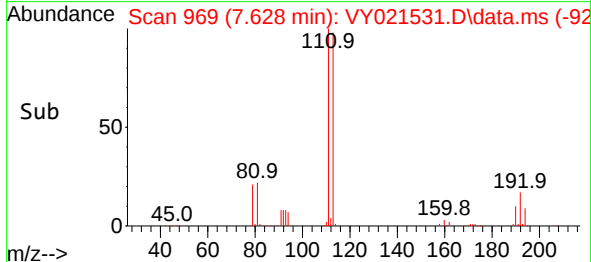
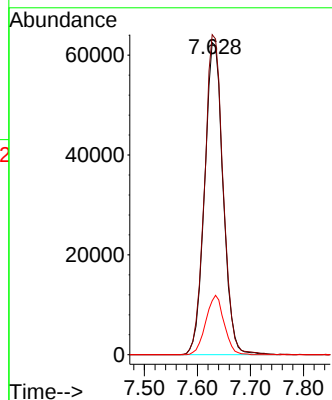
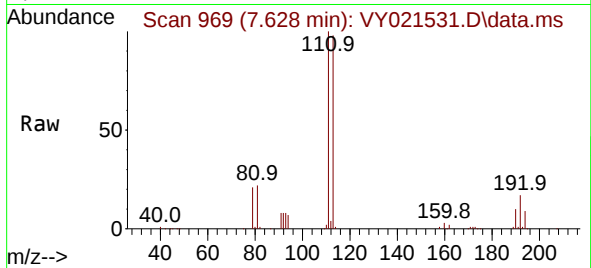




#35
Dibromofluoromethane
Concen: 51.411 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY021531.D
Acq: 14 Mar 2025 11:20

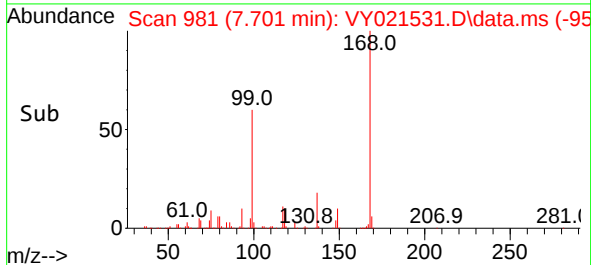
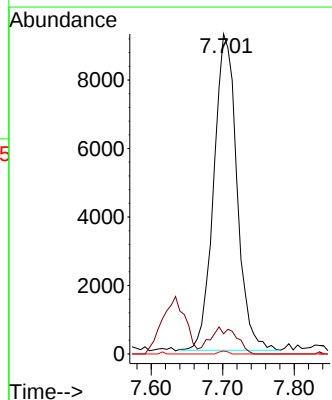
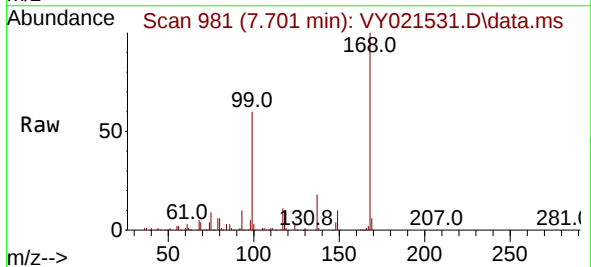
Instrument :
MSVOA_Y
ClientSampleId :
VY0314SBL01

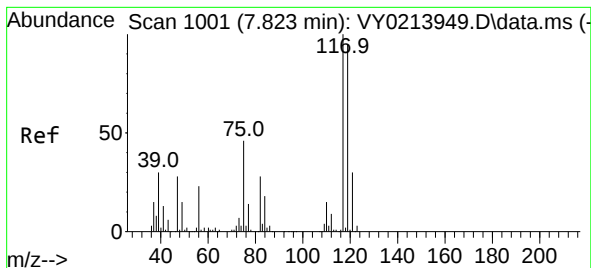
Tgt Ion:113 Resp: 151124
Ion Ratio Lower Upper
113 100
111 102.9 82.0 123.0
192 18.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.519 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY021531.D
Acq: 14 Mar 2025 11:20

Tgt Ion: 75 Resp: 20791
Ion Ratio Lower Upper
75 100
110 9.6 17.3 51.7#
77 0.4 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.719 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021531.D

Acq: 14 Mar 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0314SBL01

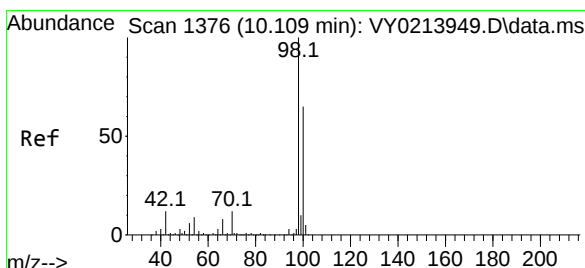
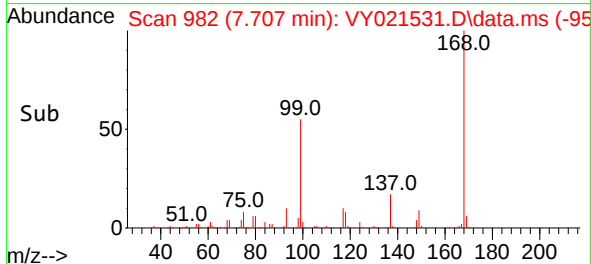
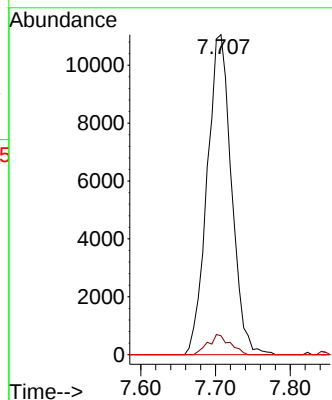
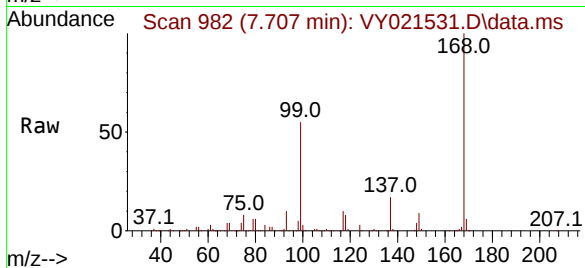
Tgt Ion:117 Resp: 24973

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 48.738 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021531.D

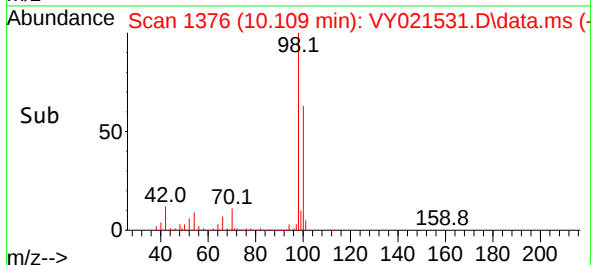
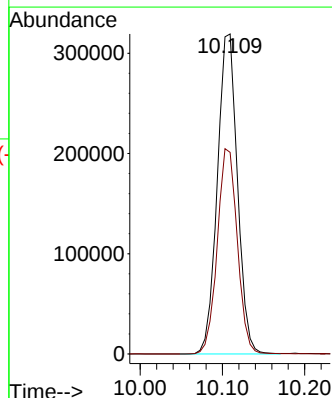
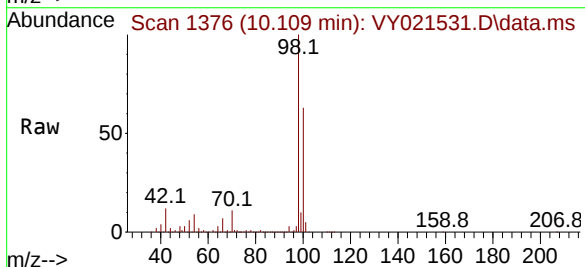
Acq: 14 Mar 2025 11:20

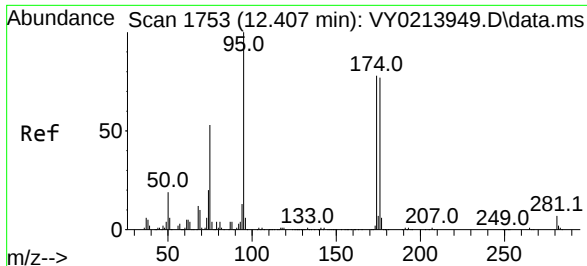
Tgt Ion: 98 Resp: 542458

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 43.784 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021531.D

Acq: 14 Mar 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0314SBL01

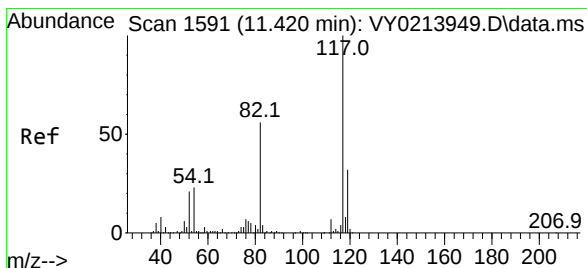
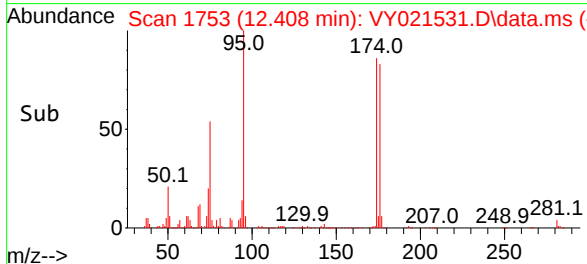
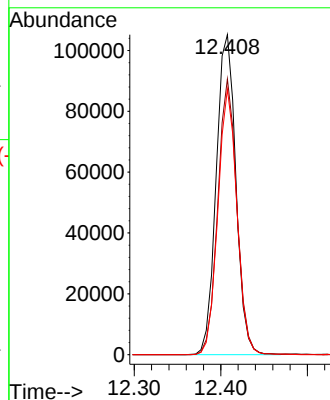
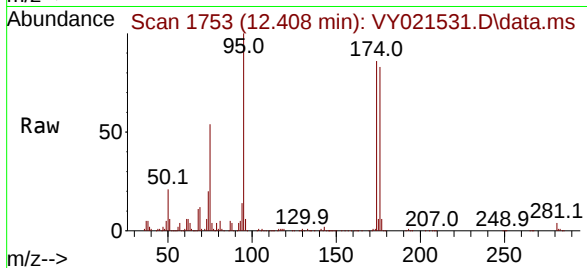
Tgt Ion: 95 Resp: 165764

Ion Ratio Lower Upper

95 100

174 83.6 0.0 165.0

176 80.3 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021531.D

Acq: 14 Mar 2025 11:20

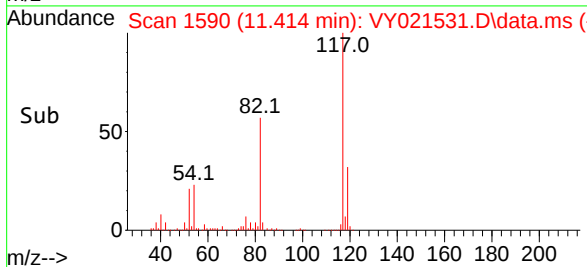
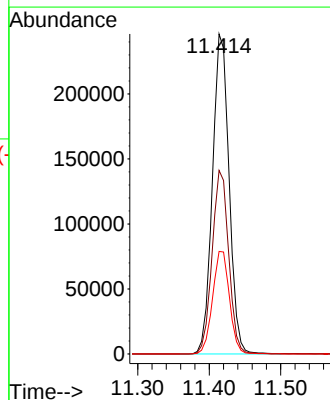
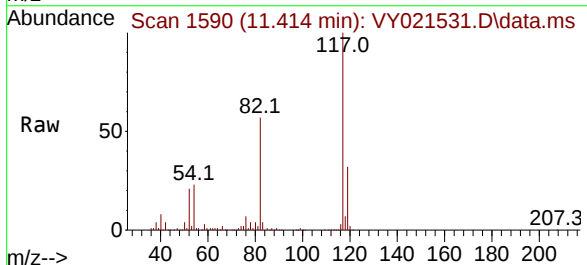
Tgt Ion: 117 Resp: 397664

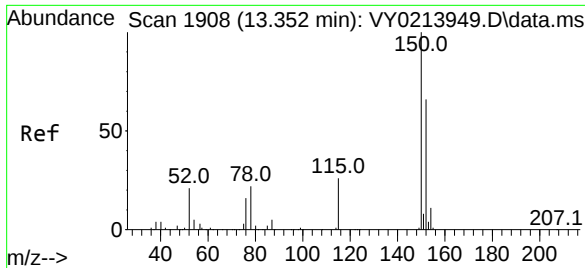
Ion Ratio Lower Upper

117 100

82 57.3 44.6 67.0

119 32.1 25.4 38.0

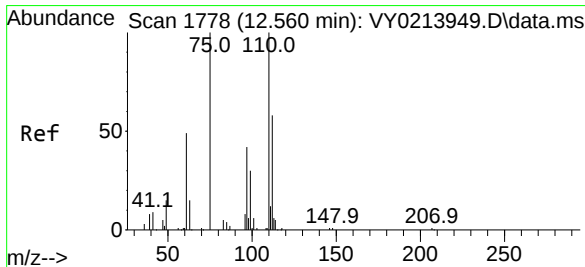
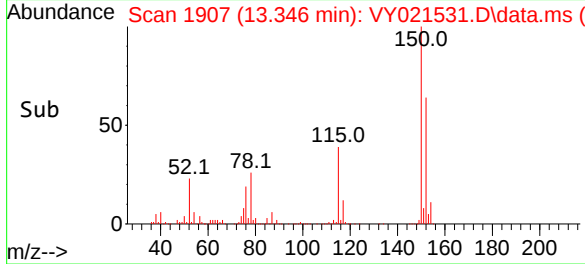
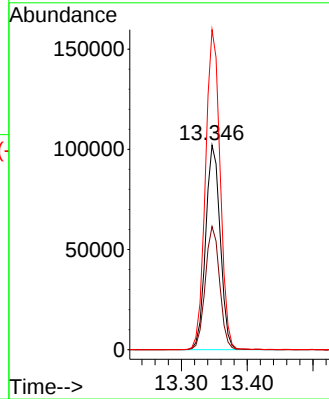
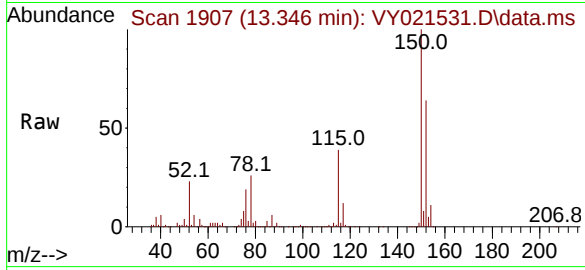




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021531.D
 Acq: 14 Mar 2025 11:20

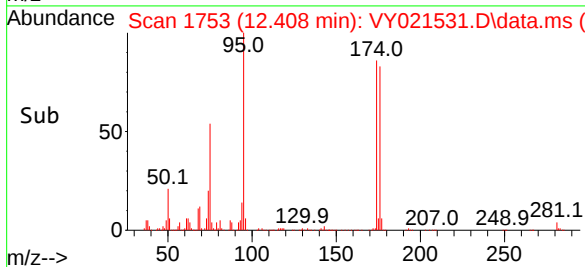
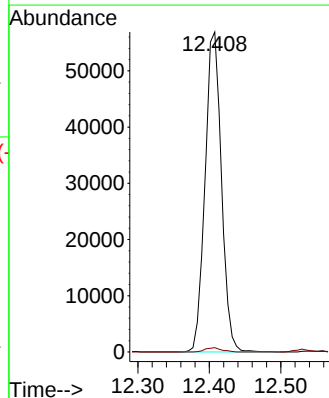
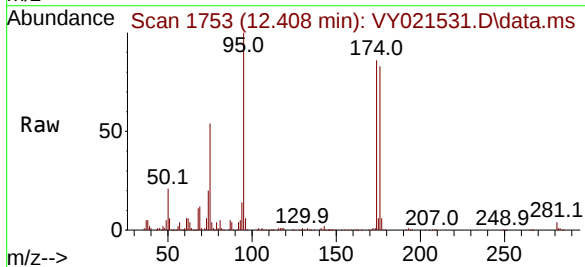
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0314SBL01

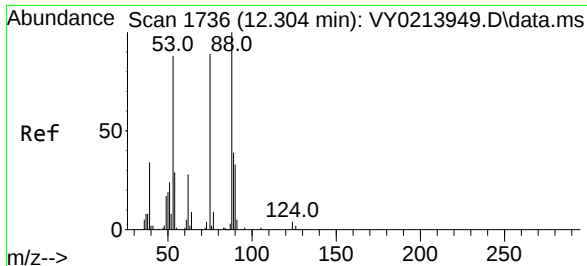
Tgt Ion:152 Resp: 156921
 Ion Ratio Lower Upper
 152 100
 115 59.6 29.0 87.0
 150 157.4 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 57.281 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021531.D
 Acq: 14 Mar 2025 11:20

Tgt Ion: 75 Resp: 90577
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 130.218 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.104 min

Lab File: VY021531.D

Acq: 14 Mar 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

VY0314SBL01

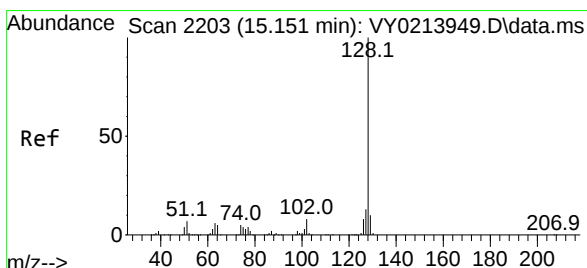
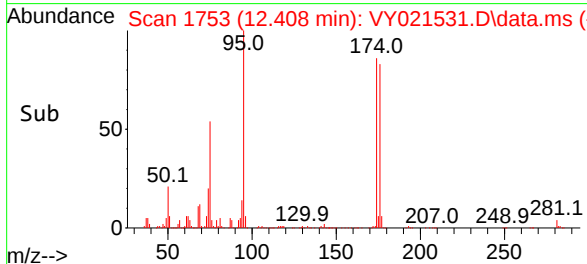
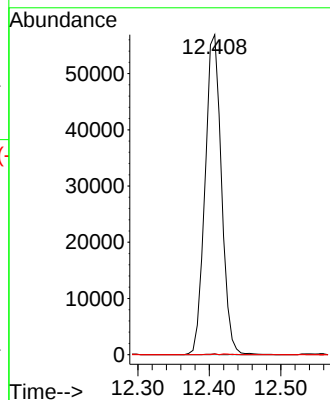
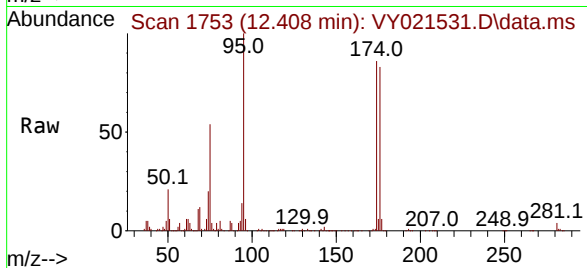
Tgt Ion: 75 Resp: 90577

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.4#

89 0.2 36.9 55.3#



#95

Naphthalene

Concen: 2.020 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.006 min

Lab File: VY021531.D

Acq: 14 Mar 2025 11:20

Tgt Ion: 128 Resp: 2428

Ion Ratio Lower Upper

128 100

127 14.3 10.6 15.8

129 9.0 8.6 13.0

