

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021497.D
 Acq On : 11 Mar 2025 19:26
 Operator : SY/MD
 Sample : Q1534-20
 Misc : 4.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 12 01:26:45 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	227836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	433453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	147949	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142303	59.094	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.180%
35) Dibromofluoromethane	7.634	113	148006	51.947	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.900%
50) Toluene-d8	10.103	98	529025	49.039	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.080%
62) 4-Bromofluorobenzene	12.408	95	156132	42.548	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.100%

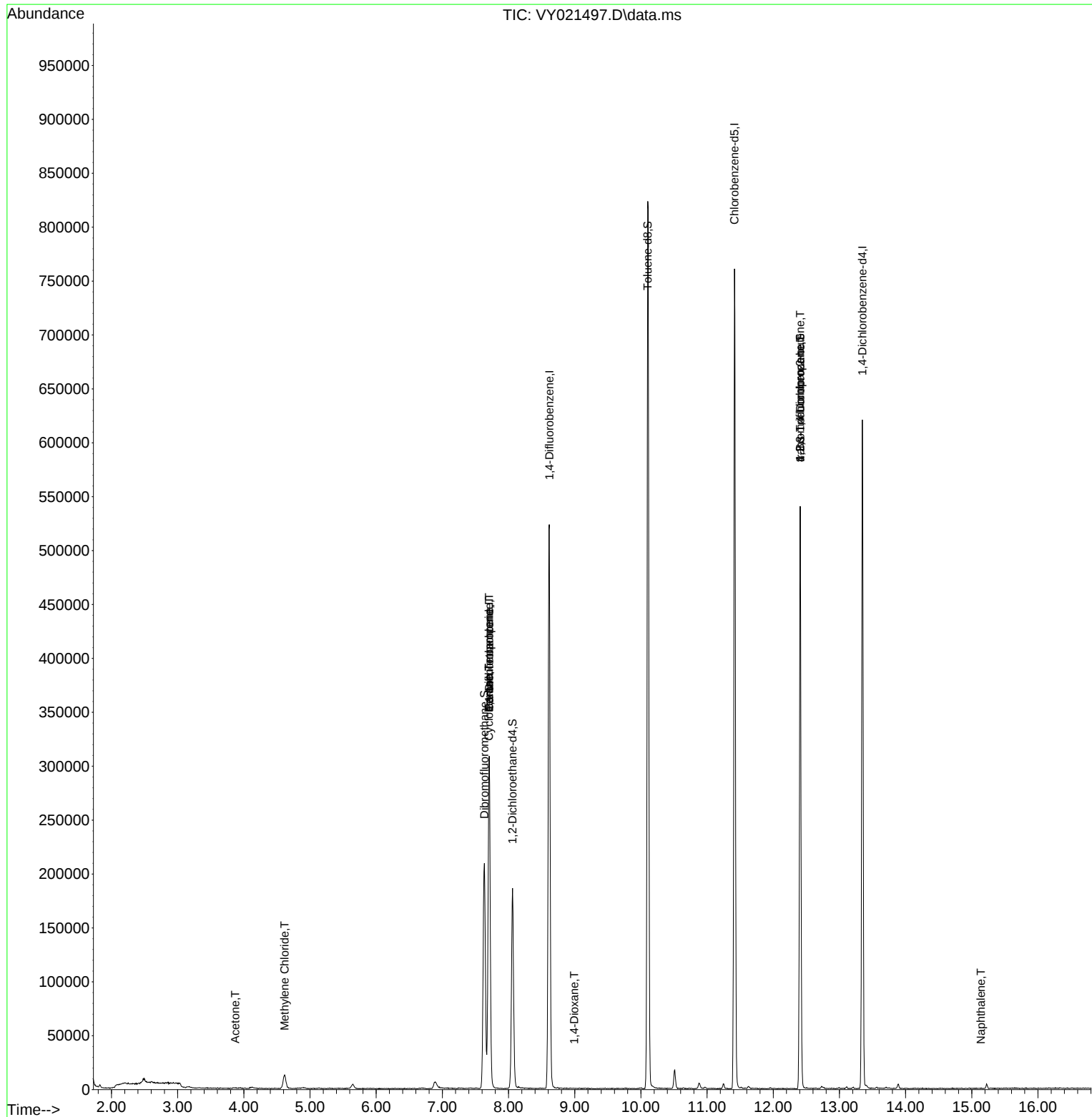
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.842	59	245	Below Cal	#	94
16) Acetone	3.873	43	1180	2.247	ug/l #	74
20) Methylene Chloride	4.616	84	8585	3.114	ug/l	91
31) Cyclohexane	7.701	56	5296	1.174	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	19133	4.290	ug/l #	49
38) Carbon Tetrachloride	7.707	117	23355	4.553	ug/l #	17
49) 1,4-Dioxane	8.994	88	61	3.572	ug/l #	22
76) 1,2,3-Trichloropropane	12.408	75	84863	56.922	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	84863	129.402	ug/l #	9
95) Naphthalene	15.139	128	111	1.476	ug/l #	69

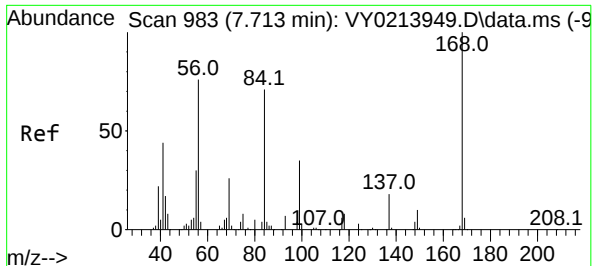
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021497.D
Acq On : 11 Mar 2025 19:26
Operator : SY/MD
Sample : Q1534-20
Misc : 4.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 12 01:26:45 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

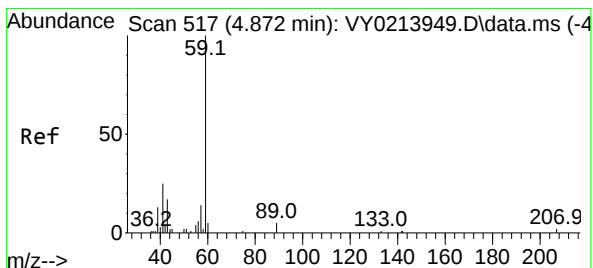
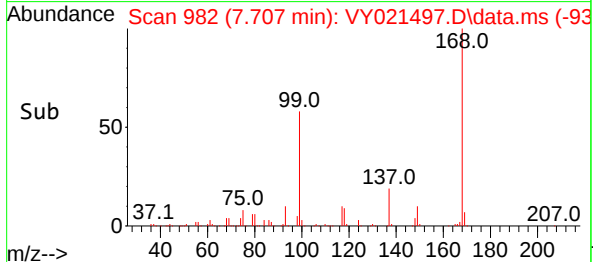
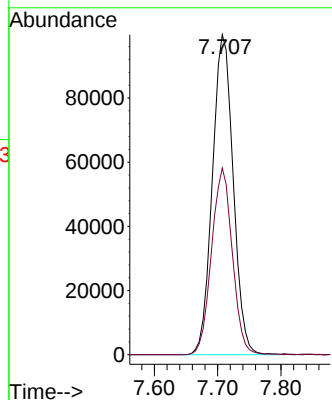
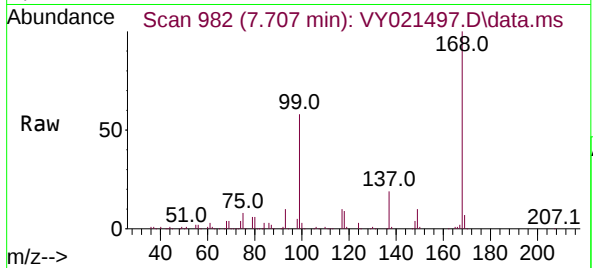




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

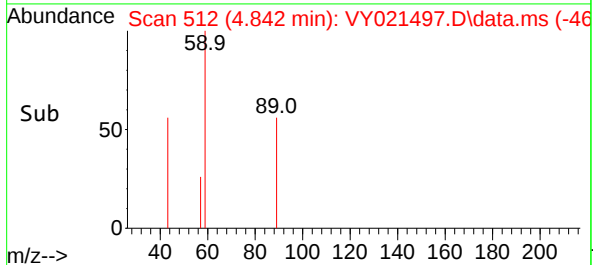
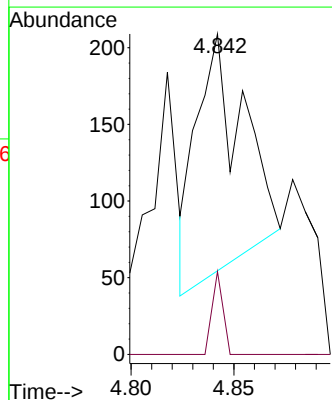
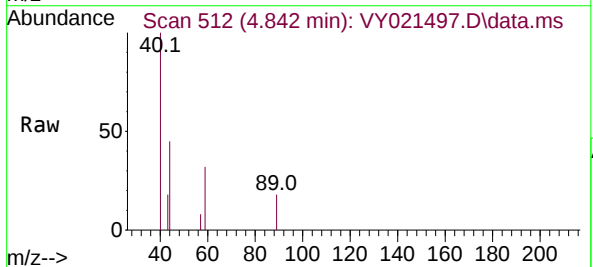
Instrument :
MSVOA_Y
ClientSampleId :

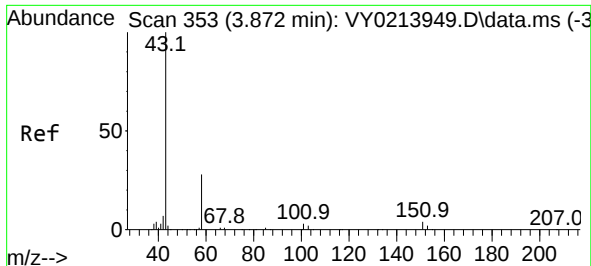
Tgt Ion:168 Resp: 227836
Ion Ratio Lower Upper
168 100
99 58.4 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.842 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

Tgt Ion: 59 Resp: 245
Ion Ratio Lower Upper
59 100
57 8.2 8.2 12.4#

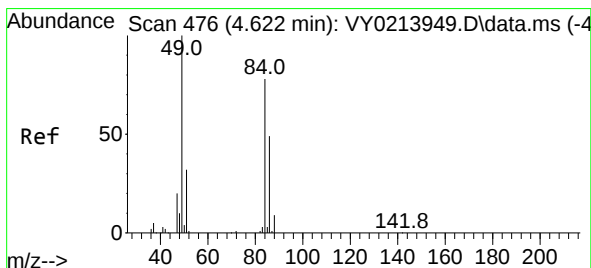
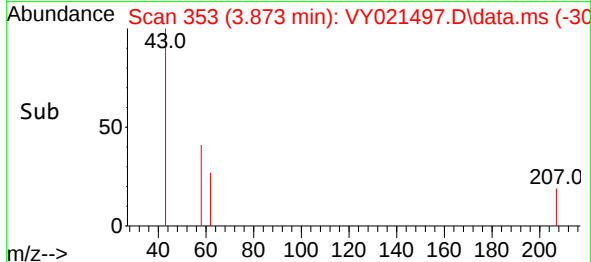
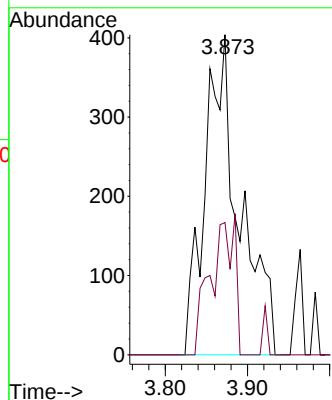
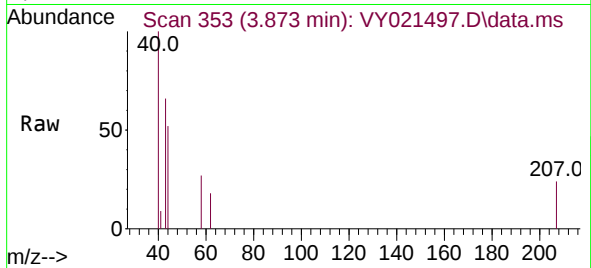




#16
Acetone
Concen: 2.247 ug/l
RT: 3.873 min Scan# 311
Delta R.T. 0.001 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

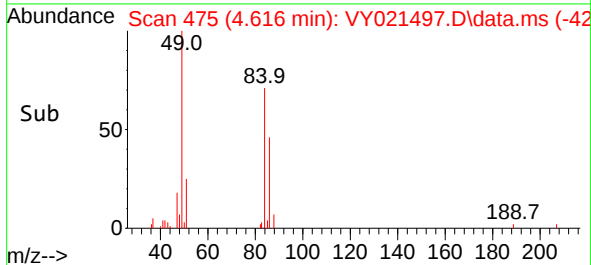
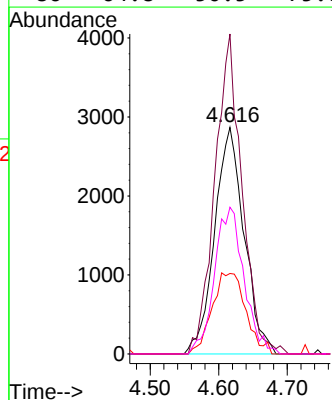
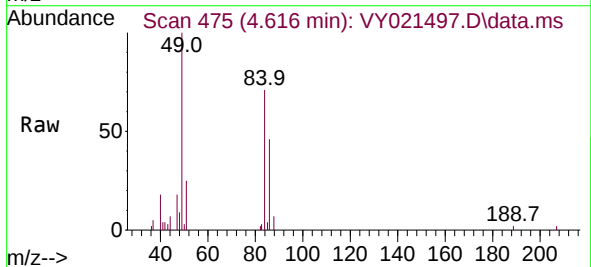
Instrument :
MSVOA_Y
ClientSampleId :

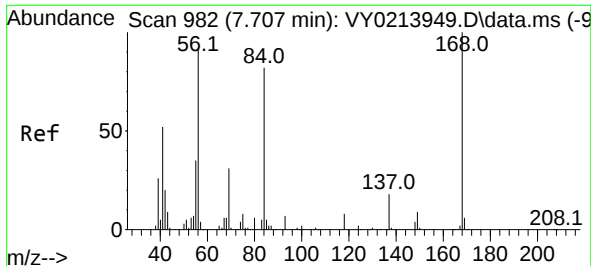
Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
58 41.3 22.1 33.1#



#20
Methylene Chloride
Concen: 3.114 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

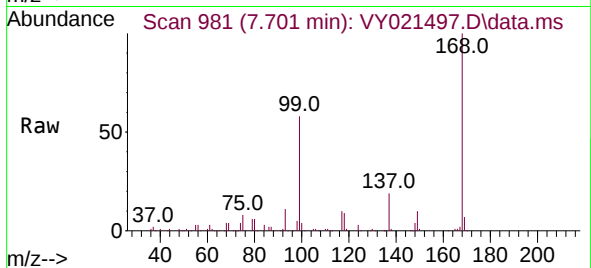
Tgt Ion: 84 Resp: 8585
Ion Ratio Lower Upper
84 100
49 141.2 102.0 153.0
51 35.5 33.0 49.6
86 64.8 50.5 75.7



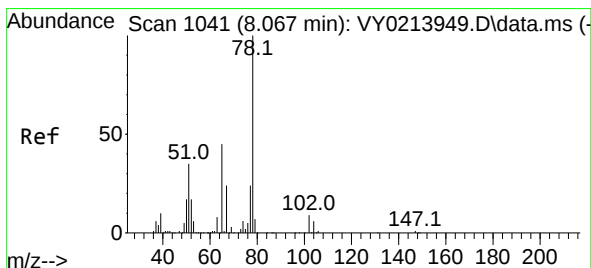
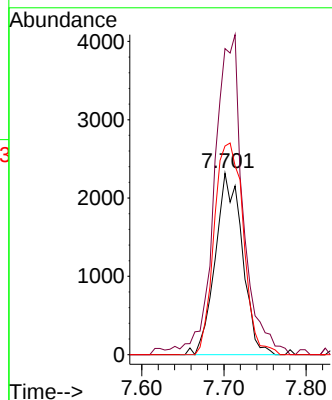
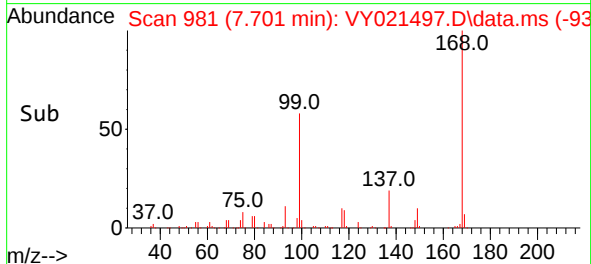


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

Instrument :
MSVOA_Y
ClientSampleId :

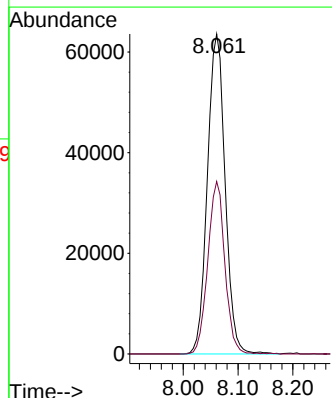
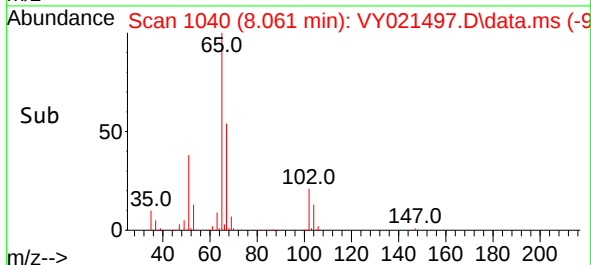
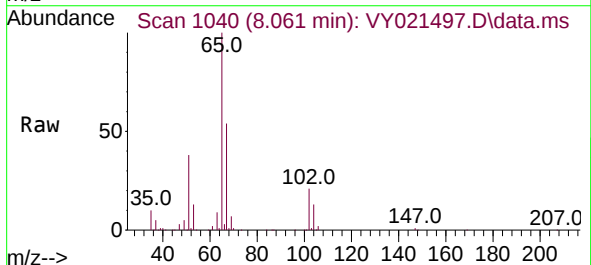


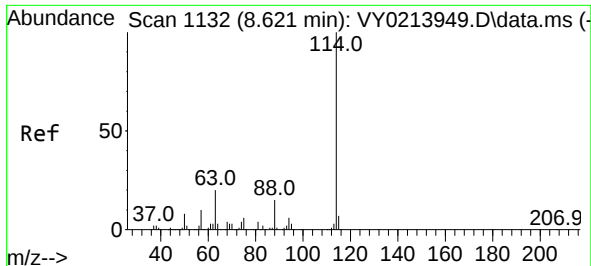
Tgt Ion: 56 Resp: 5296
Ion Ratio Lower Upper
56 100
69 165.6 27.0 40.4#
84 115.0 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 59.094 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

Tgt Ion: 65 Resp: 142303
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.8

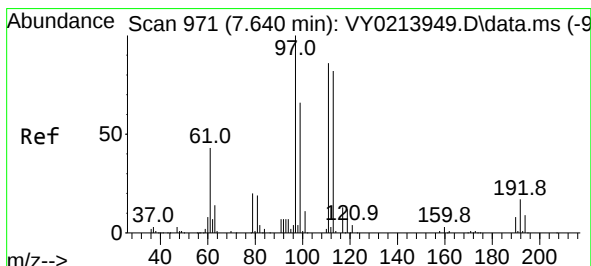
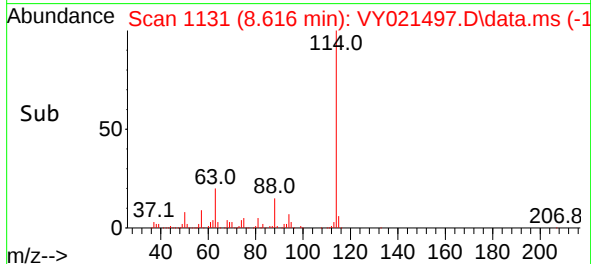
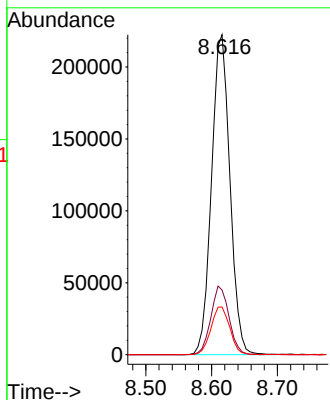
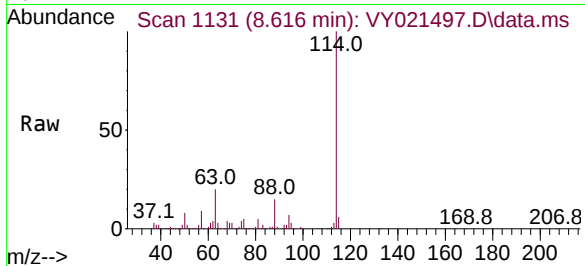




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

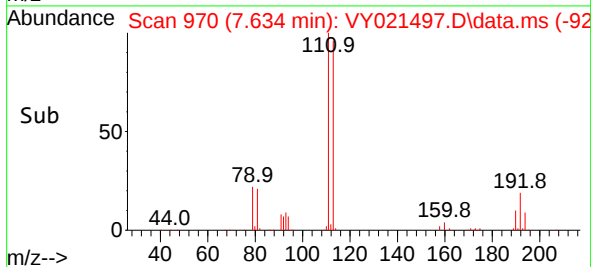
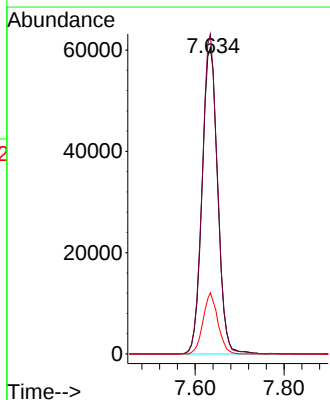
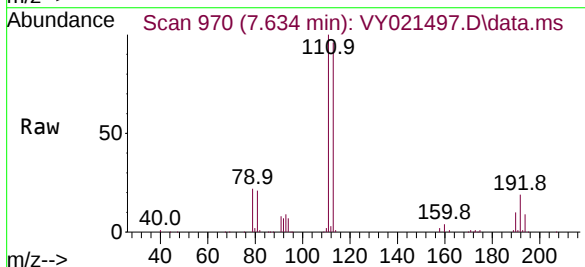
Instrument :
MSVOA_Y
ClientSampleId :

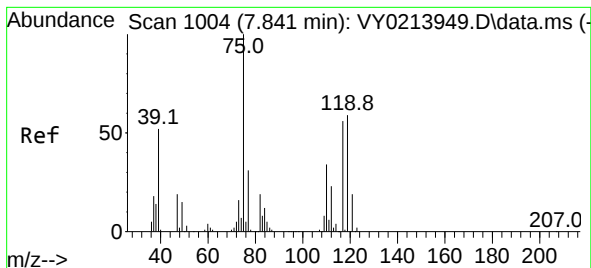
Tgt Ion:114 Resp: 433453
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 14.9 0.0 30.8



#35
Dibromofluoromethane
Concen: 51.947 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

Tgt Ion:113 Resp: 148006
Ion Ratio Lower Upper
113 100
111 102.3 82.0 123.0
192 18.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.290 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

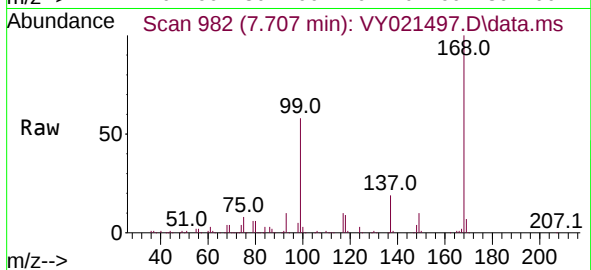
Lab File: VY021497.D

Acq: 11 Mar 2025 19:26

Instrument :

MSVOA_Y

ClientSampleId :



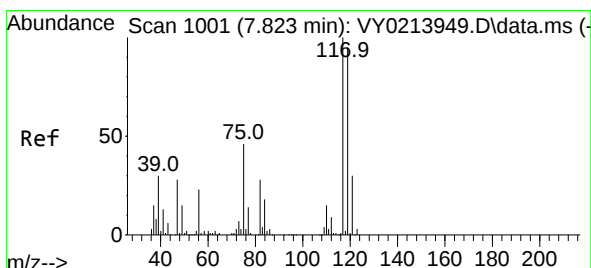
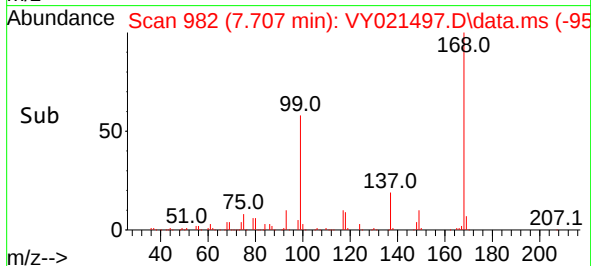
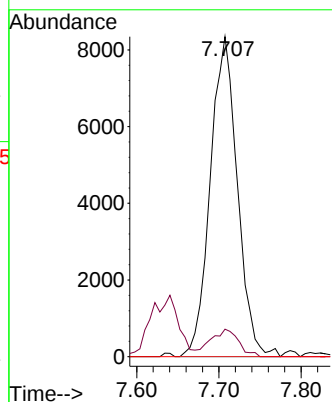
Tgt Ion: 75 Resp: 19133

Ion Ratio Lower Upper

75 100

110 8.9 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 4.553 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.115 min

Lab File: VY021497.D

Acq: 11 Mar 2025 19:26

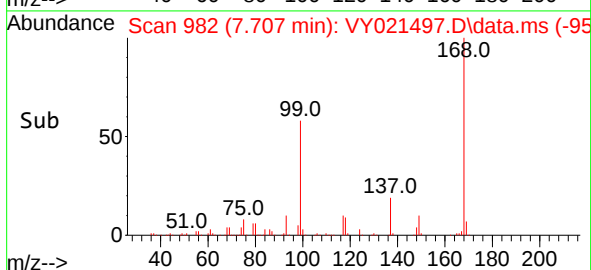
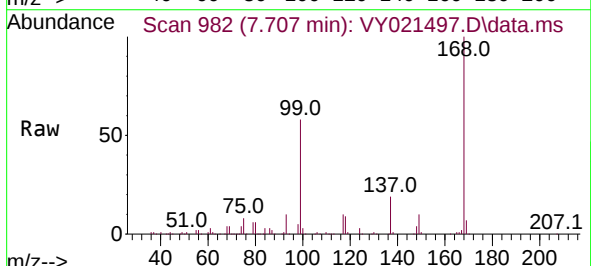
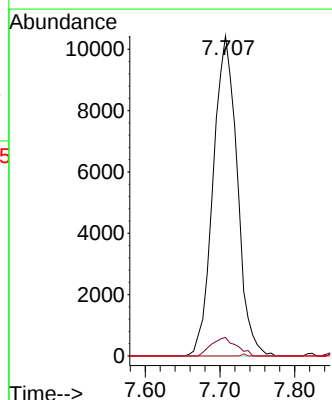
Tgt Ion: 117 Resp: 23355

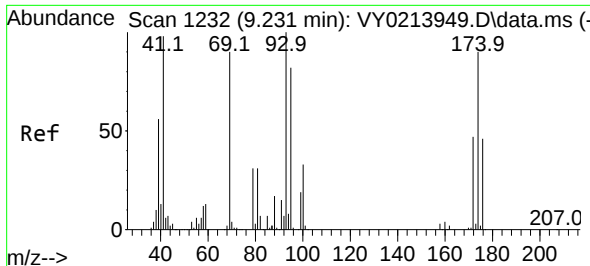
Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.8#

121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 3.572 ug/l

RT: 8.994 min Scan# 1193

Delta R.T. -0.237 min

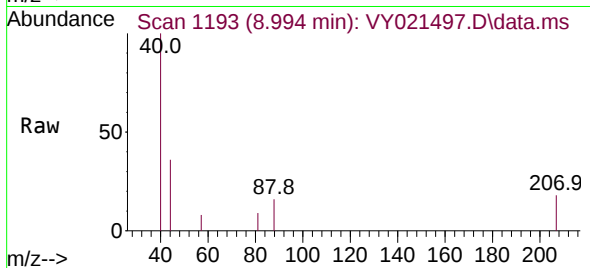
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Acq: 11 Mar 2025 19:26

Instrument :

MSVOA_Y

ClientSampleId :



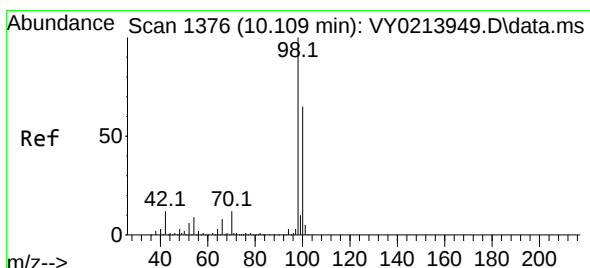
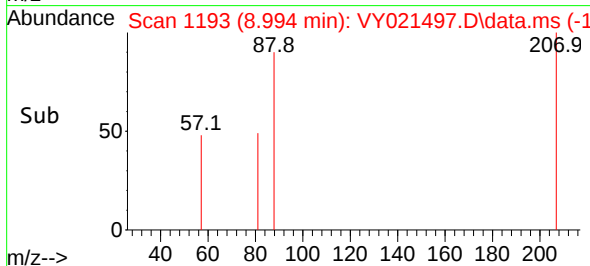
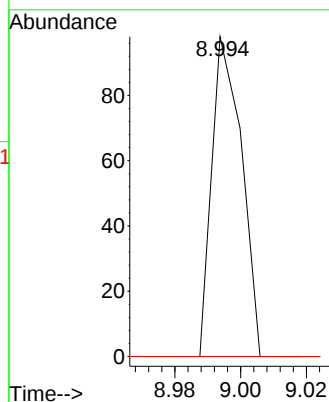
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 49.039 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021497.D

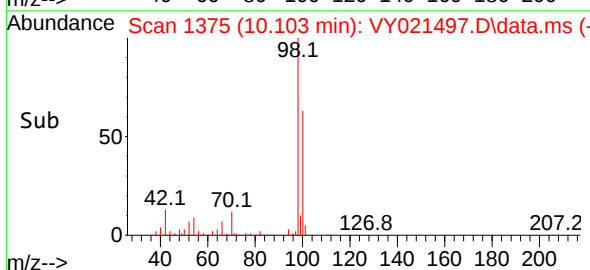
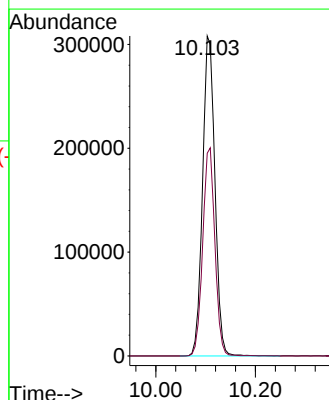
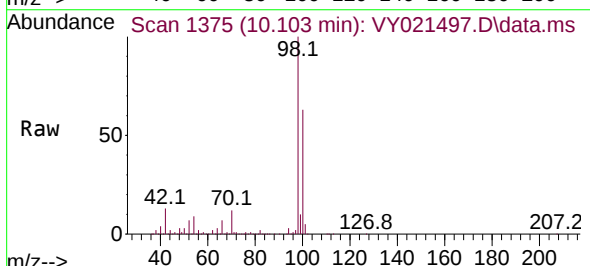
Acq: 11 Mar 2025 19:26

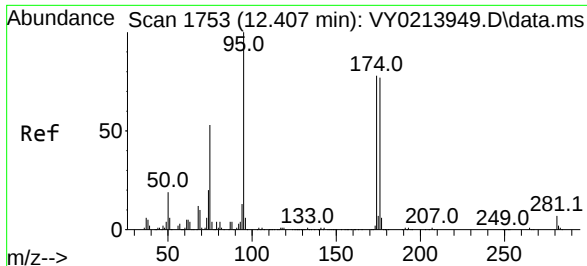
Tgt Ion: 98 Resp: 529025

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1

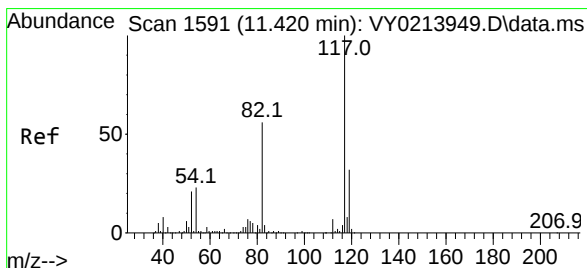
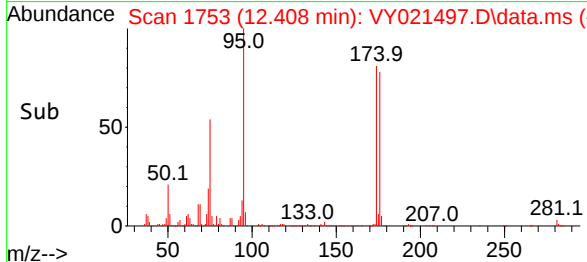
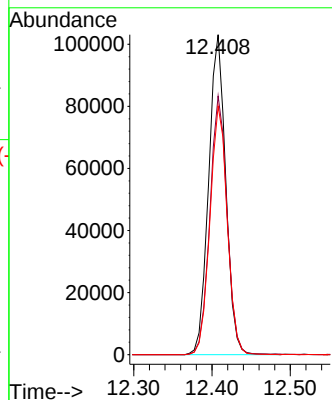
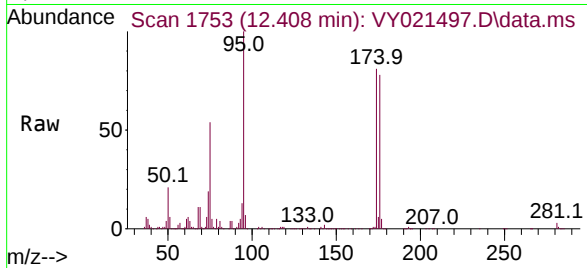




#62
4-Bromofluorobenzene
Concen: 42.548 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

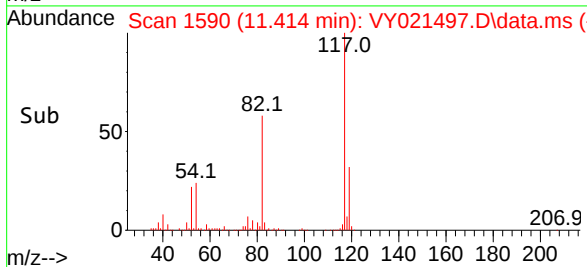
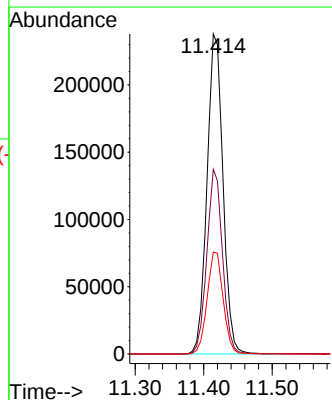
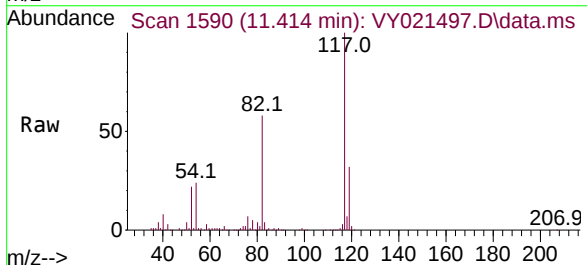
Instrument :
MSVOA_Y
ClientSampleId :

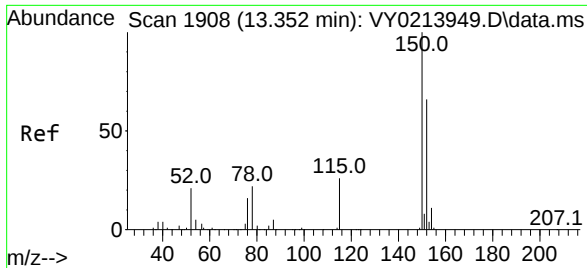
Tgt Ion: 95 Resp: 156132
Ion Ratio Lower Upper
95 100
174 81.6 0.0 165.0
176 78.4 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

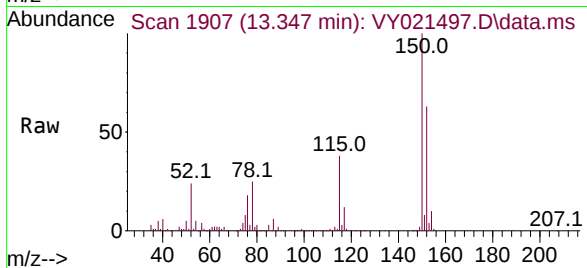
Tgt Ion: 117 Resp: 385864
Ion Ratio Lower Upper
117 100
82 57.7 44.6 67.0
119 31.8 25.4 38.0



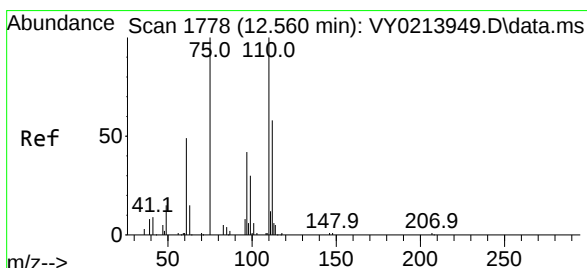
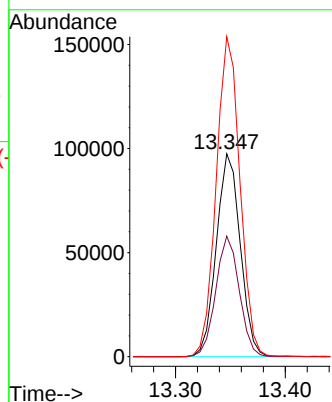
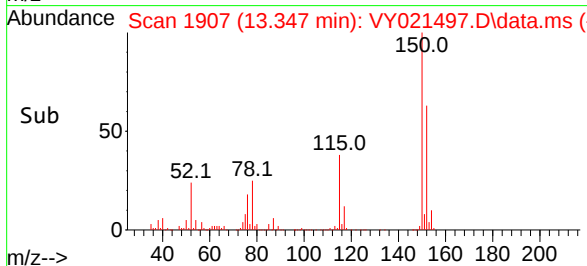


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021497.D
 Acq: 11 Mar 2025 19:26

Instrument :
 MSVOA_Y
 ClientSampleId :

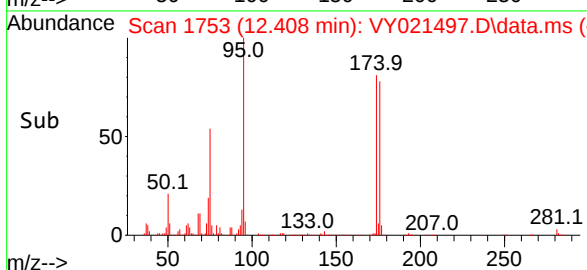
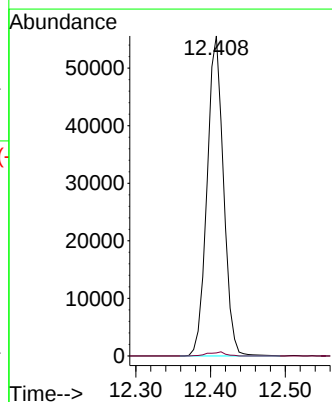
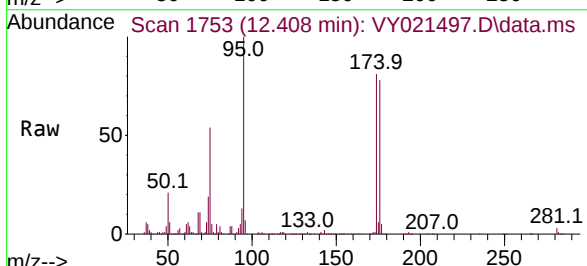


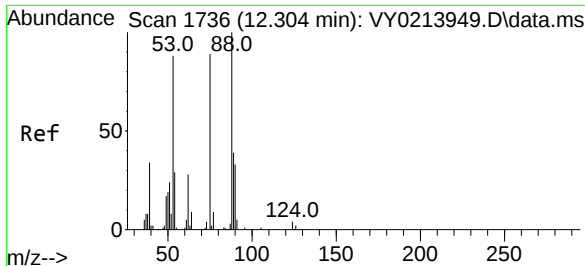
Tgt Ion:152 Resp: 147949
 Ion Ratio Lower Upper
 152 100
 115 58.4 29.0 87.0
 150 156.6 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 56.922 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021497.D
 Acq: 11 Mar 2025 19:26

Tgt Ion: 75 Resp: 84863
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

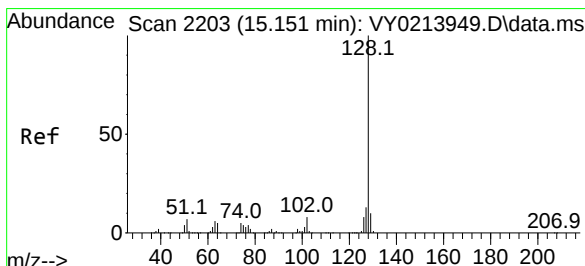
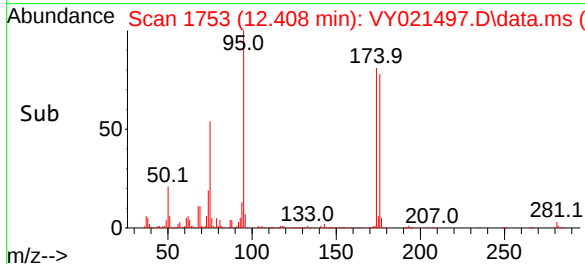
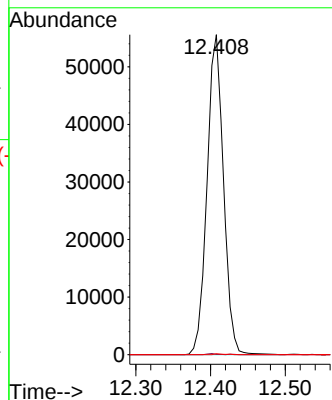
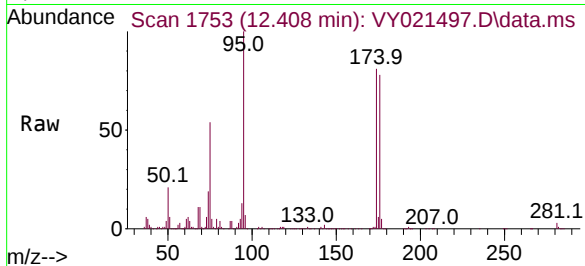




#81
trans-1,4-Dichloro-2-butene
Concen: 129.402 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 84863
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.2 36.9 55.3#



#95
Naphthalene
Concen: 1.476 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.012 min
Lab File: VY021497.D
Acq: 11 Mar 2025 19:26

Tgt Ion: 128 Resp: 111
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

