

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021432.D
 Acq On : 06 Mar 2025 14:15
 Operator : SY/MD
 Sample : Q1421-09
 Misc : 4.85g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-CLAY-CF02-01

Quant Time: Mar 07 00:40:06 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	242960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	448371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	395078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150738	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147793	57.553	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.100%	
35) Dibromofluoromethane	7.634	113	151523	51.412	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.820%	
50) Toluene-d8	10.109	98	547243	49.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.080%	
62) 4-Bromofluorobenzene	12.408	95	162556	42.825	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.640%	

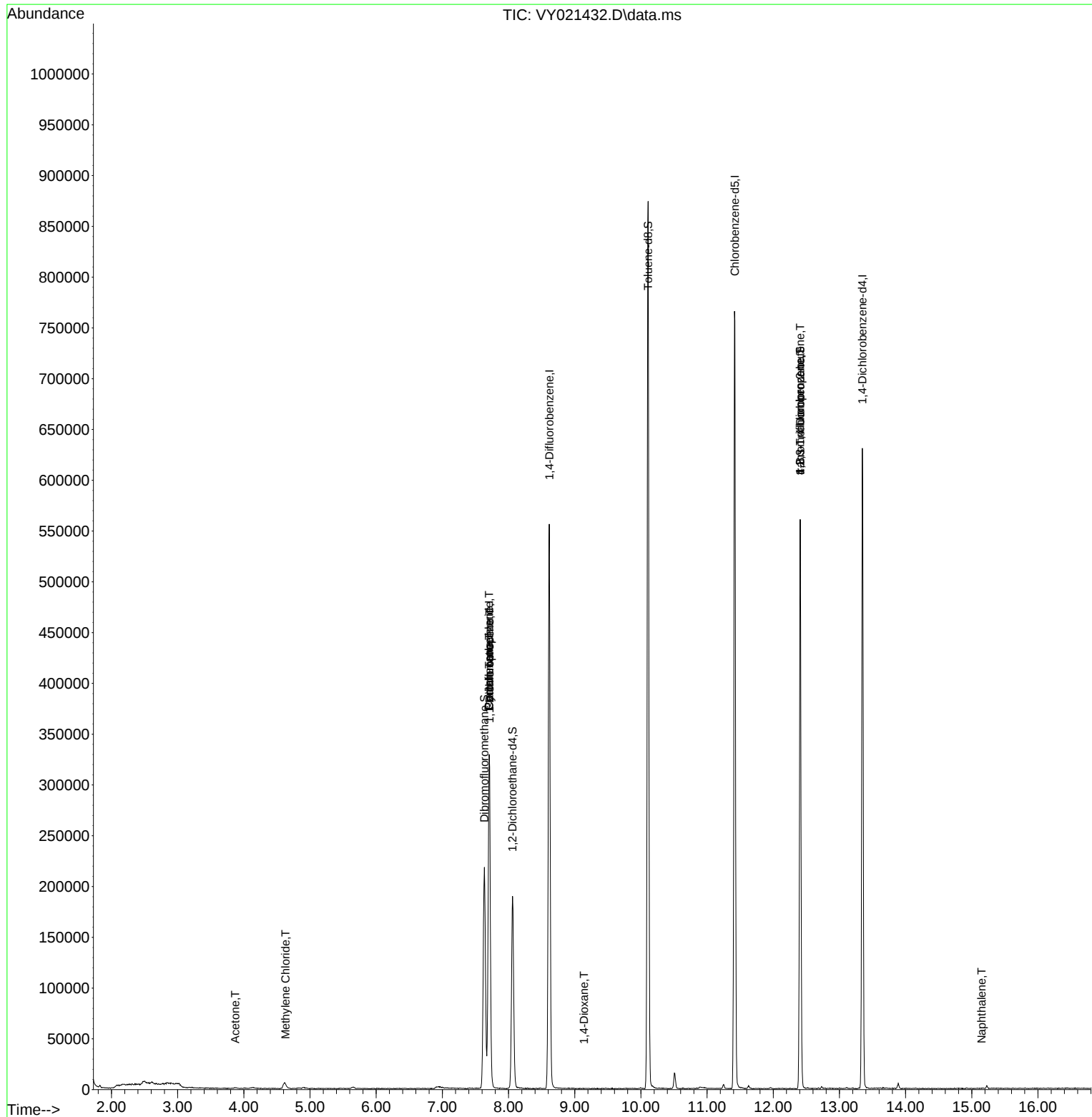
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.872	59	209	Below Cal	#	72
16) Acetone	3.873	43	1251	2.234	ug/l	97
20) Methylene Chloride	4.629	84	3707	1.261	ug/l	96
31) Cyclohexane	7.707	56	6198	1.289	ug/l	# 1
36) 1,1-Dichloropropene	7.713	75	21501	4.661	ug/l	# 49
38) Carbon Tetrachloride	7.707	117	25789	4.861	ug/l	# 16
49) 1,4-Dioxane	9.140	88	27	1.529	ug/l	# 22
76) 1,2,3-Trichloropropane	12.408	75	88291	58.126	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	88291	132.138	ug/l	# 9
95) Naphthalene	15.151	128	545	1.582	ug/l	# 69

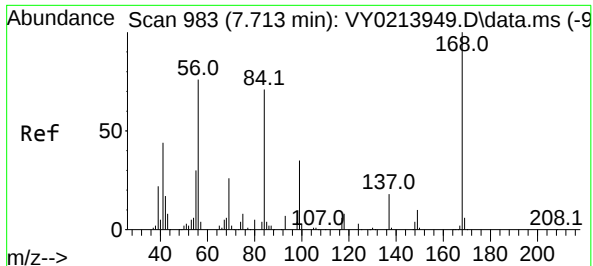
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-CLAY-CF02-01

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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

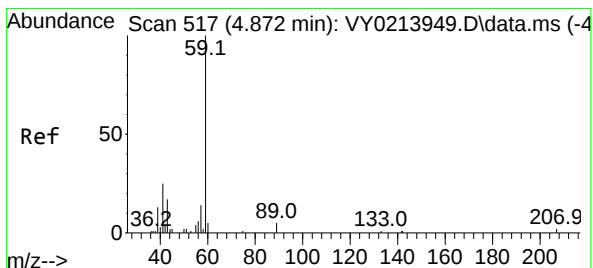
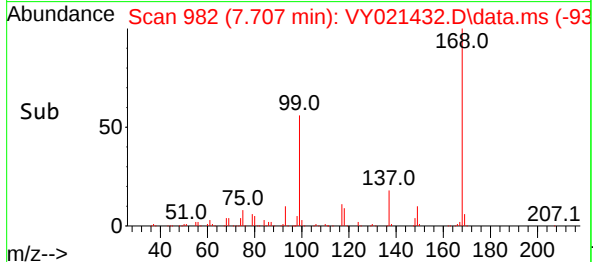
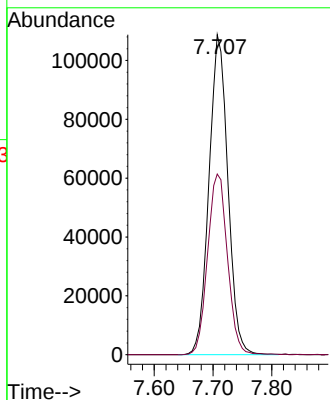
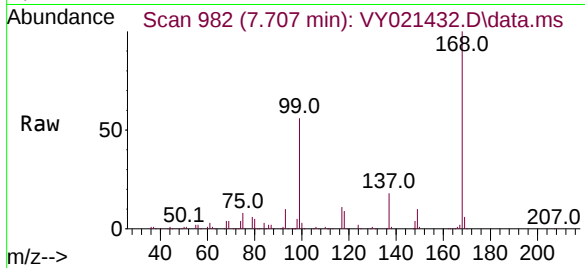




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

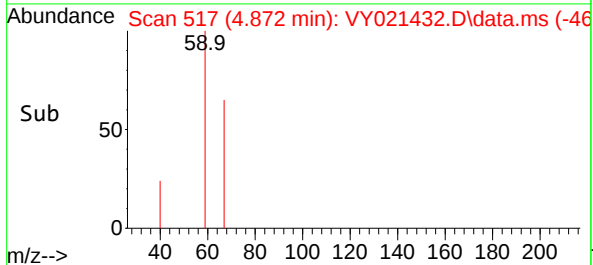
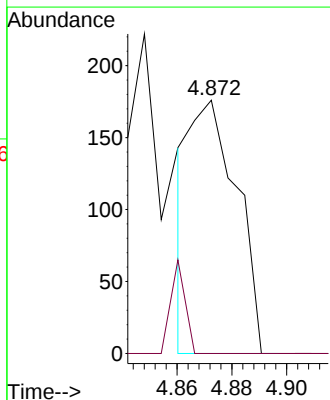
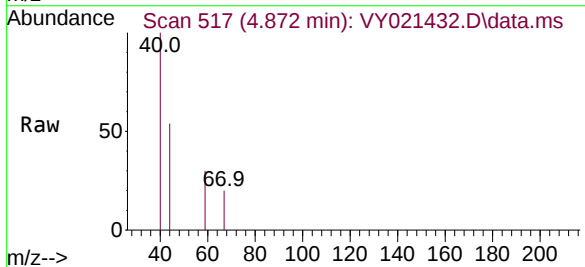
Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

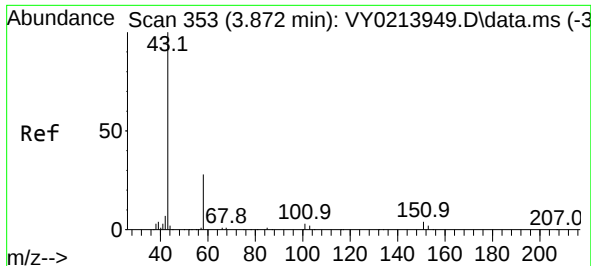
Tgt Ion:168 Resp: 242960
Ion Ratio Lower Upper
168 100
99 56.5 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.872 min Scan# 517
Delta R.T. 0.000 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

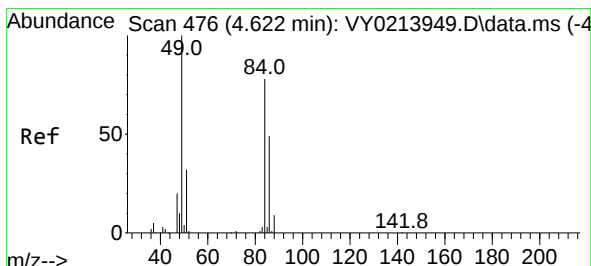
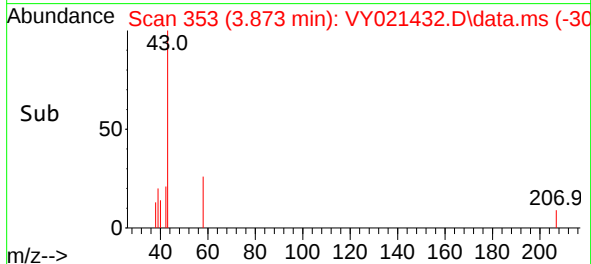
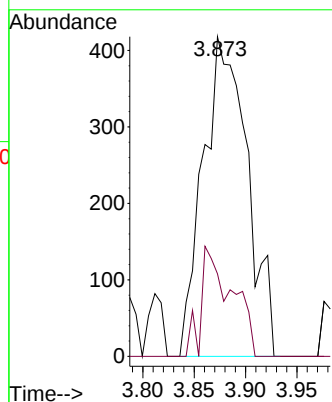
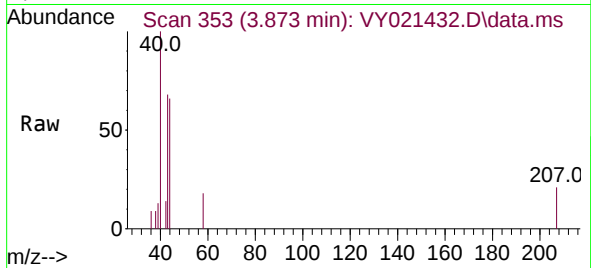




#16
Acetone
Concen: 2.234 ug/l
RT: 3.873 min Scan# 316
Delta R.T. 0.001 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

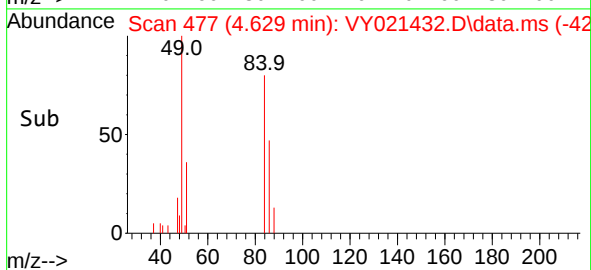
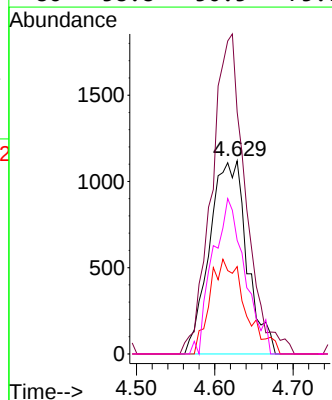
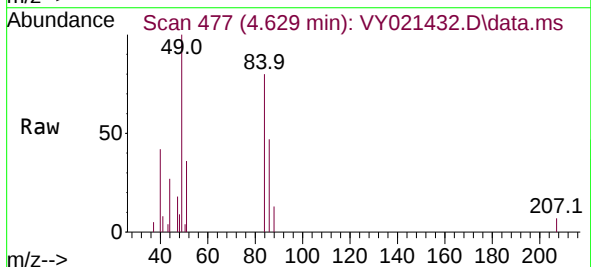
Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

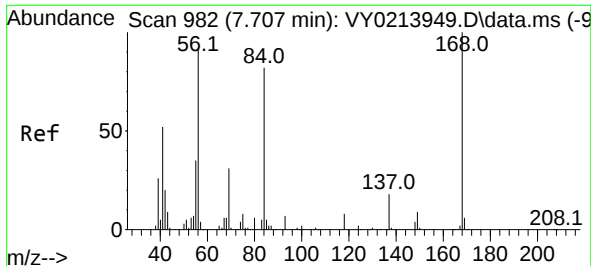
Tgt Ion: 43 Resp: 1251
Ion Ratio Lower Upper
43 100
58 25.8 22.1 33.1



#20
Methylene Chloride
Concen: 1.261 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Tgt Ion: 84 Resp: 3707
Ion Ratio Lower Upper
84 100
49 125.3 102.0 153.0
51 45.2 33.0 49.6
86 58.8 50.5 75.7

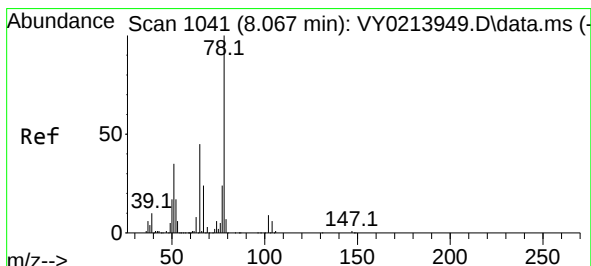
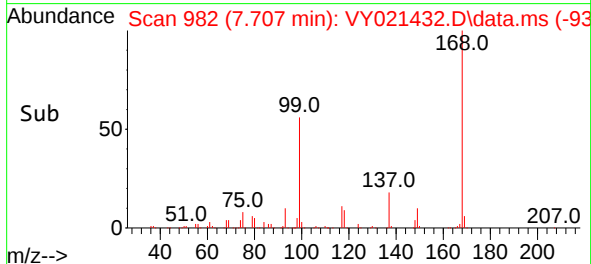
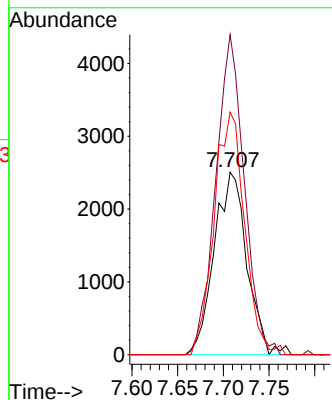
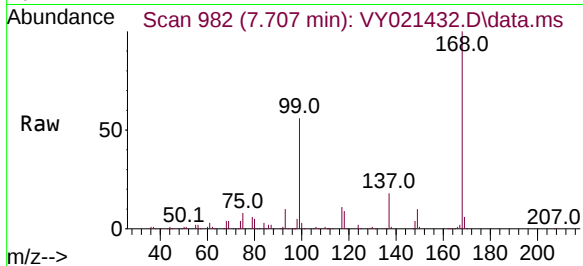




#31
Cyclohexane
Concen: 1.289 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

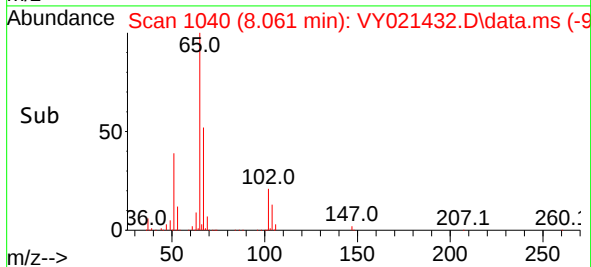
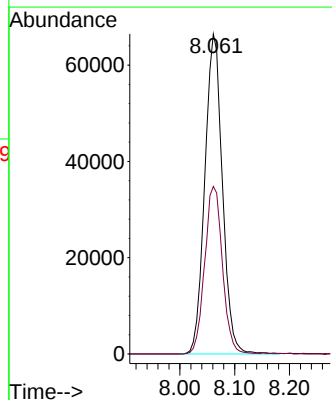
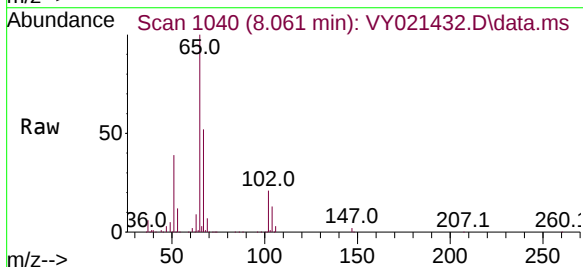
Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

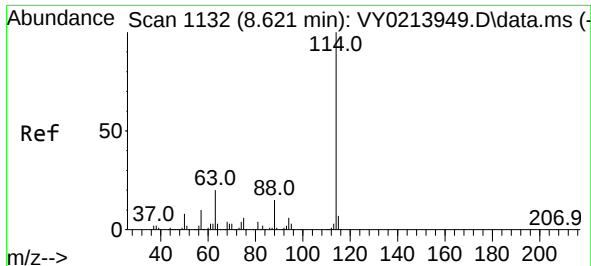
Tgt Ion: 56 Resp: 6198
Ion Ratio Lower Upper
56 100
69 175.3 27.0 40.4#
84 136.0 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 57.553 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Tgt Ion: 65 Resp: 147793
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.8

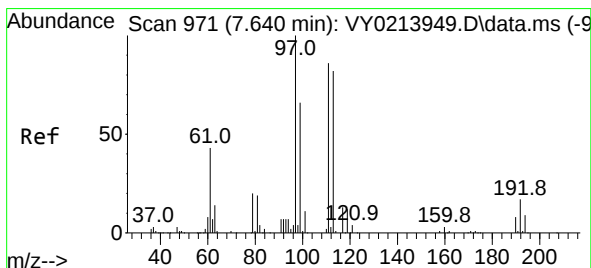
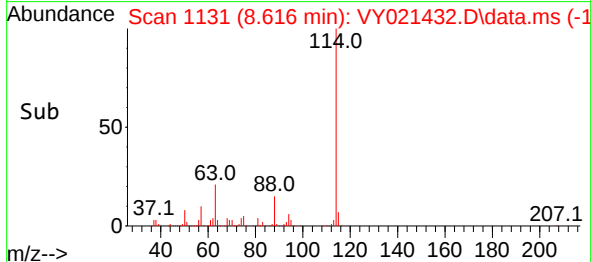
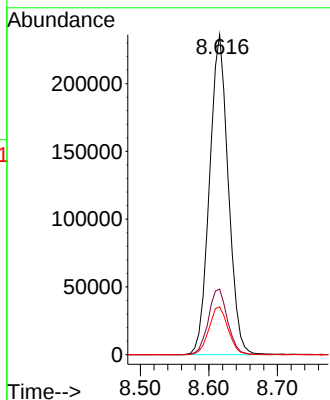
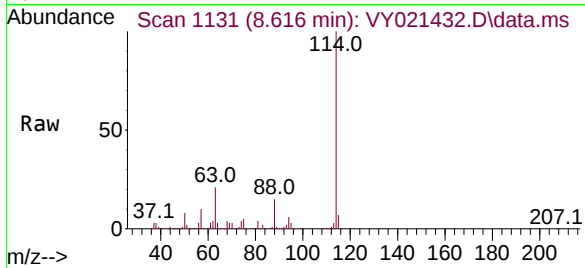




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

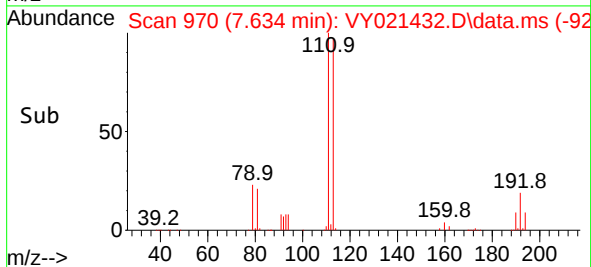
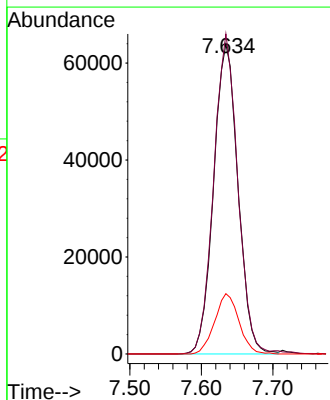
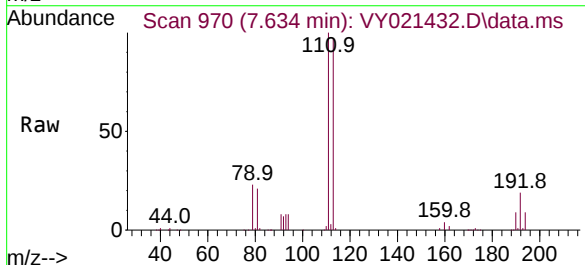
Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

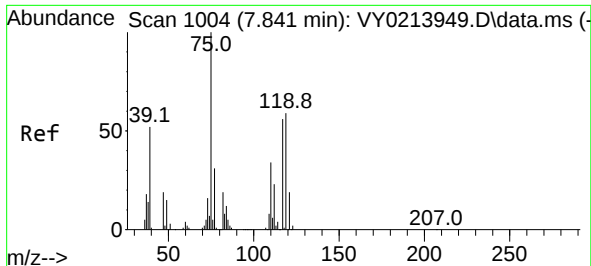
Tgt Ion:114	Resp: 448371
Ion Ratio	Lower Upper
114 100	
63 20.5	0.0 40.8
88 15.0	0.0 30.8



#35
Dibromofluoromethane
Concen: 51.412 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021432.D
Acq: 06 Mar 2025 14:15

Tgt Ion:113	Resp: 151523
Ion Ratio	Lower Upper
113 100	
111 102.3	82.0 123.0
192 19.3	15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.661 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY021432.D

Acq: 06 Mar 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

P001-CLAY-CF02-01

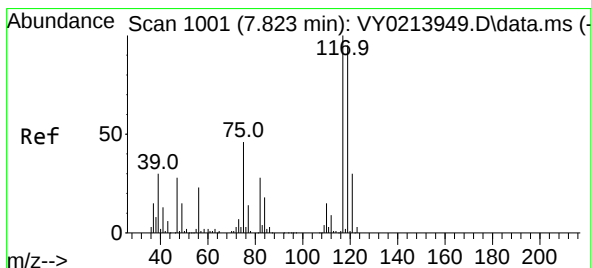
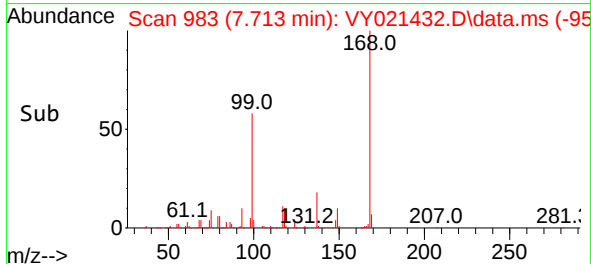
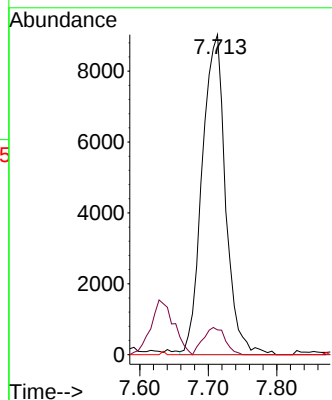
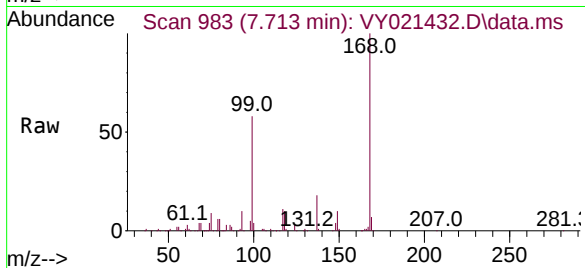
Tgt Ion: 75 Resp: 21501

Ion Ratio Lower Upper

75 100

110 7.9 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 4.861 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.115 min

Lab File: VY021432.D

Acq: 06 Mar 2025 14:15

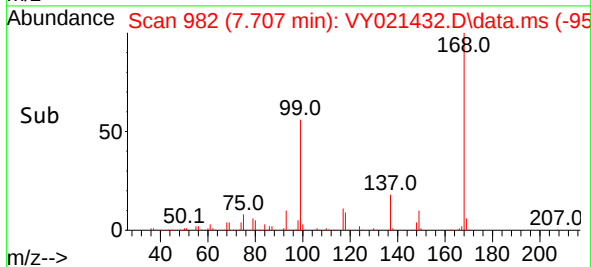
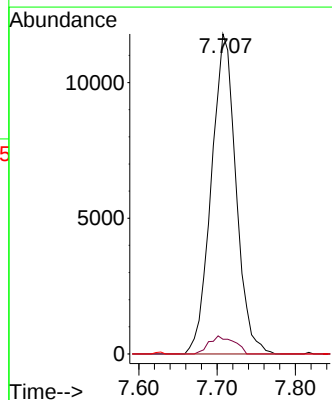
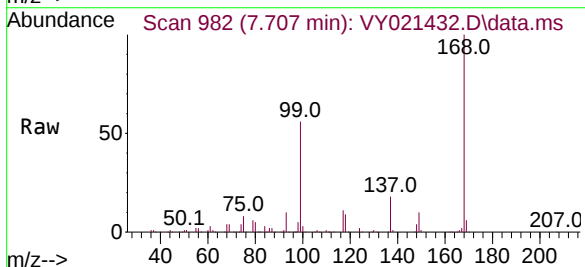
Tgt Ion: 117 Resp: 25789

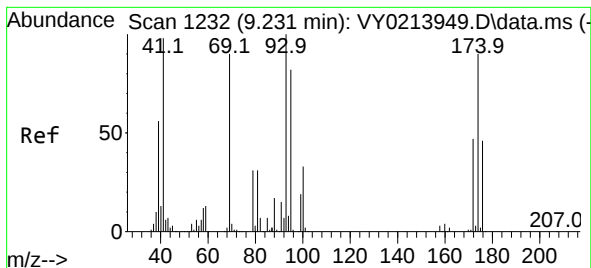
Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 1.529 ug/l

RT: 9.140 min Scan# 1232

Delta R.T. -0.091 min

Lab File: VY021432.D

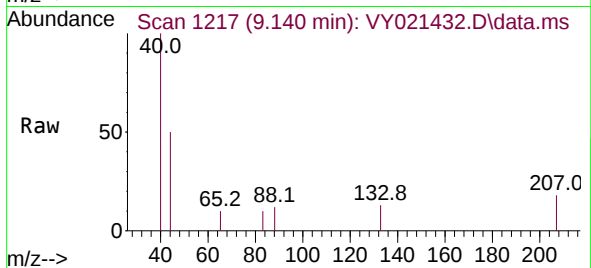
Acq: 06 Mar 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

P001-CLAY-CF02-01



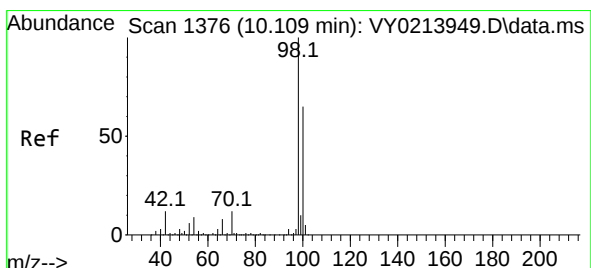
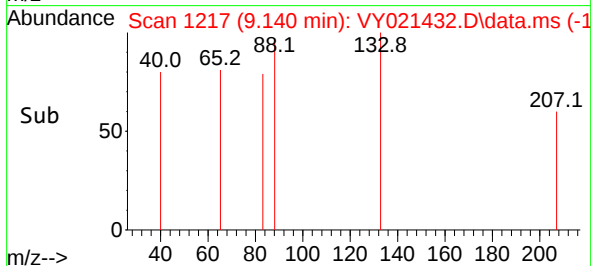
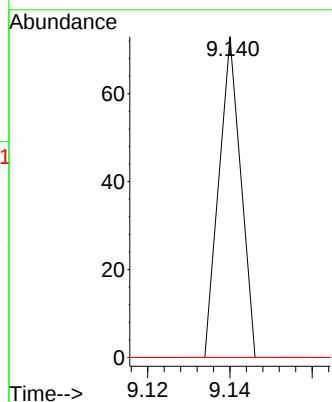
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 49.040 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021432.D

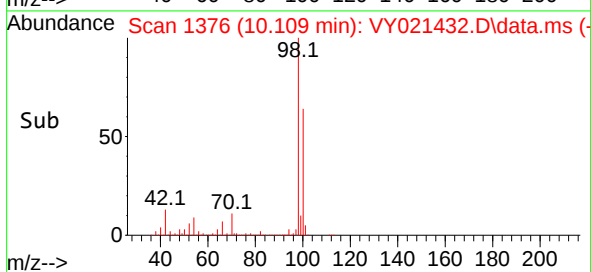
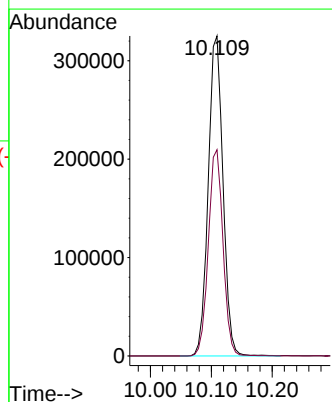
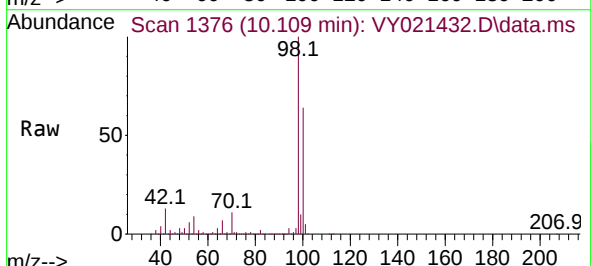
Acq: 06 Mar 2025 14:15

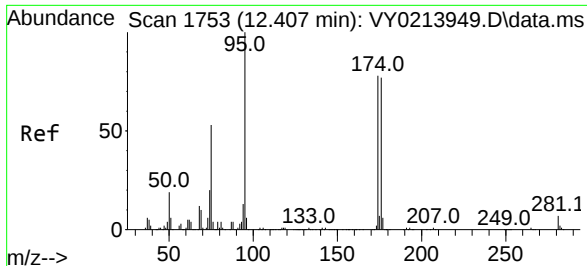
Tgt Ion: 98 Resp: 547243

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 42.825 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021432.D

Acq: 06 Mar 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

P001-CLAY-CF02-01

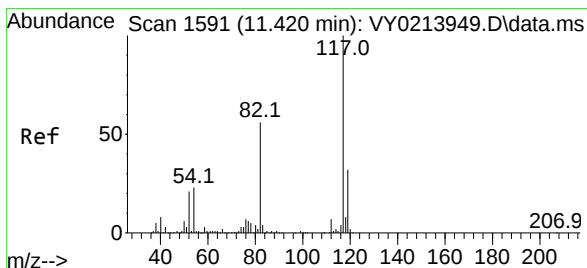
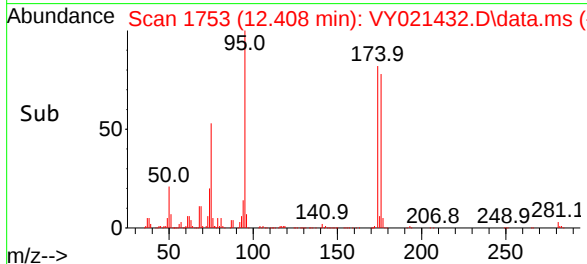
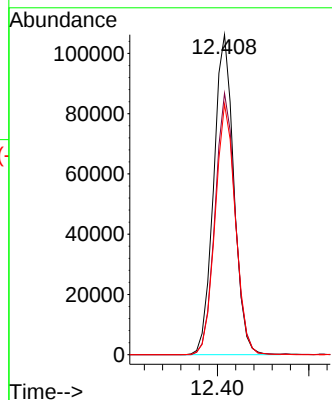
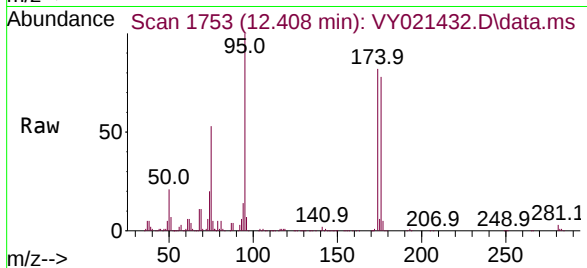
Tgt Ion: 95 Resp: 162556

Ion Ratio Lower Upper

95 100

174 81.6 0.0 165.0

176 78.7 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: VY021432.D

Acq: 06 Mar 2025 14:15

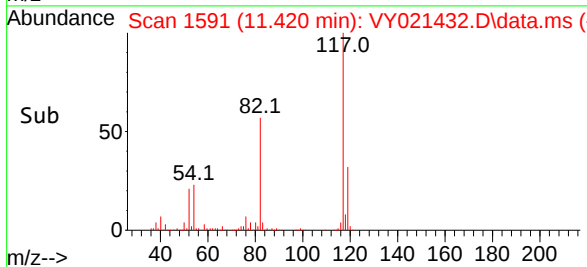
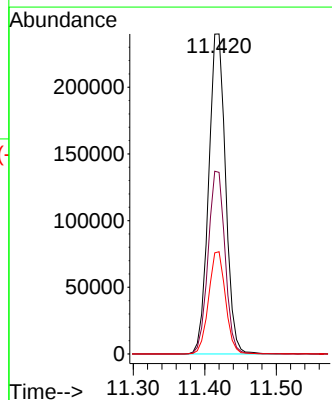
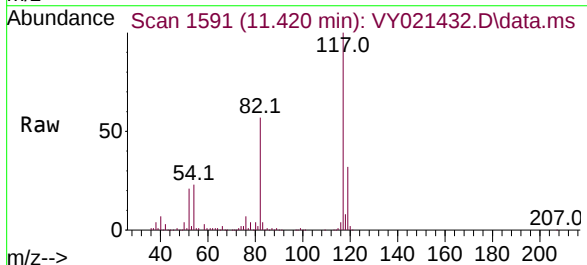
Tgt Ion: 117 Resp: 395078

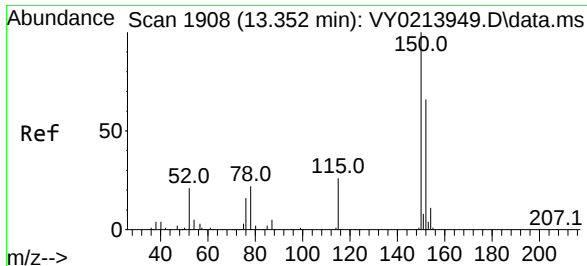
Ion Ratio Lower Upper

117 100

82 56.8 44.6 67.0

119 31.9 25.4 38.0

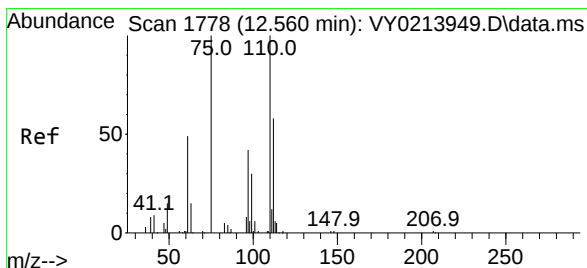
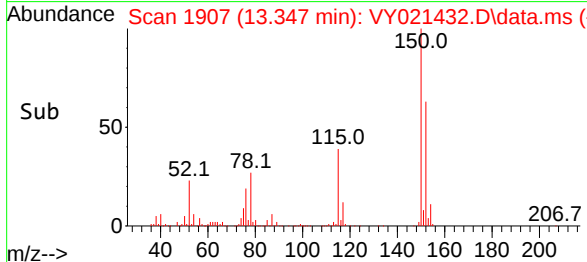
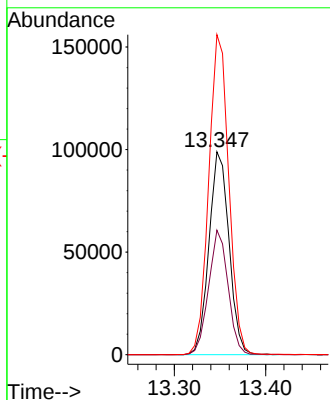
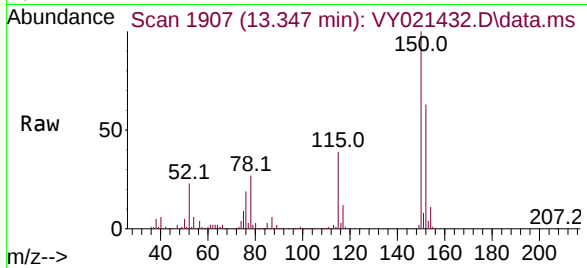




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021432.D
 Acq: 06 Mar 2025 14:15

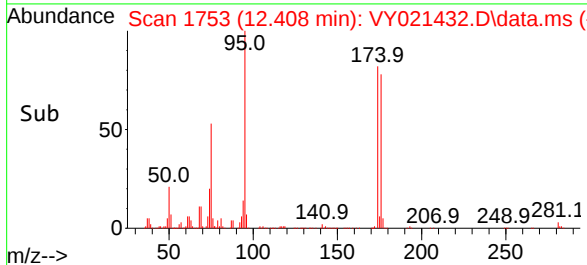
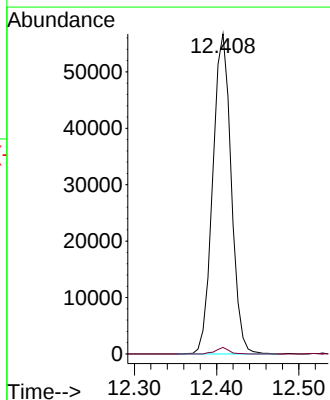
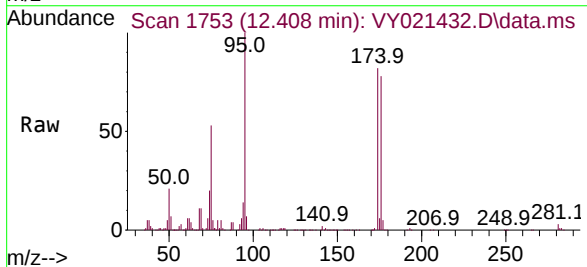
Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-CLAY-CF02-01

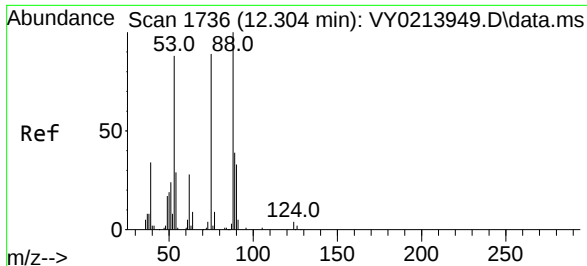
Tgt Ion:152 Resp: 150738
 Ion Ratio Lower Upper
 152 100
 115 59.5 29.0 87.0
 150 157.7 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 58.126 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021432.D
 Acq: 06 Mar 2025 14:15

Tgt Ion: 75 Resp: 88291
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 132.138 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021432.D

Acq: 06 Mar 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

P001-CLAY-CF02-01

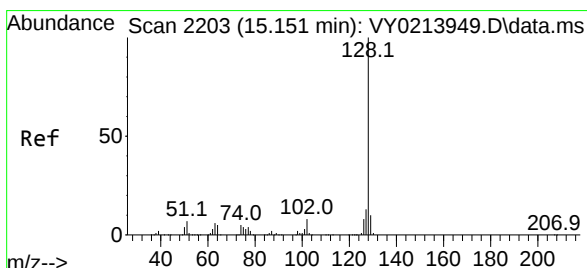
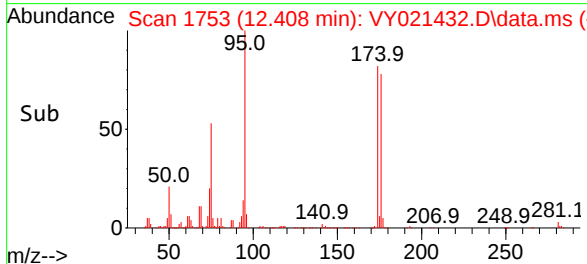
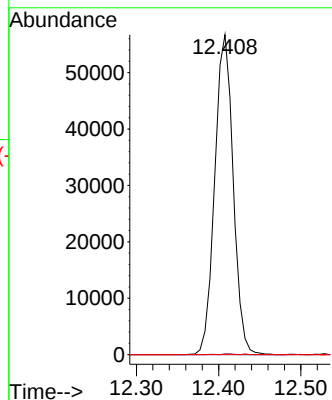
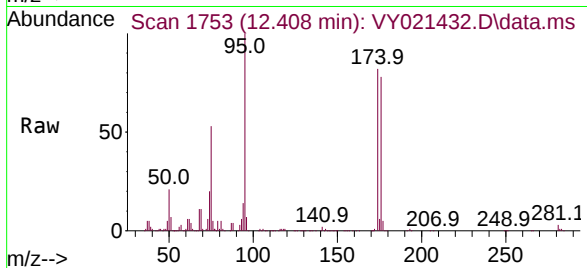
Tgt Ion: 75 Resp: 88291

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.4#

89 0.0 36.9 55.3#



#95

Naphthalene

Concen: 1.582 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.000 min

Lab File: VY021432.D

Acq: 06 Mar 2025 14:15

Tgt Ion: 128 Resp: 545

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

