

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021358.D
 Acq On : 27 Feb 2025 15:12
 Operator : SY/MD
 Sample : Q1421-08
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 28 00:42:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

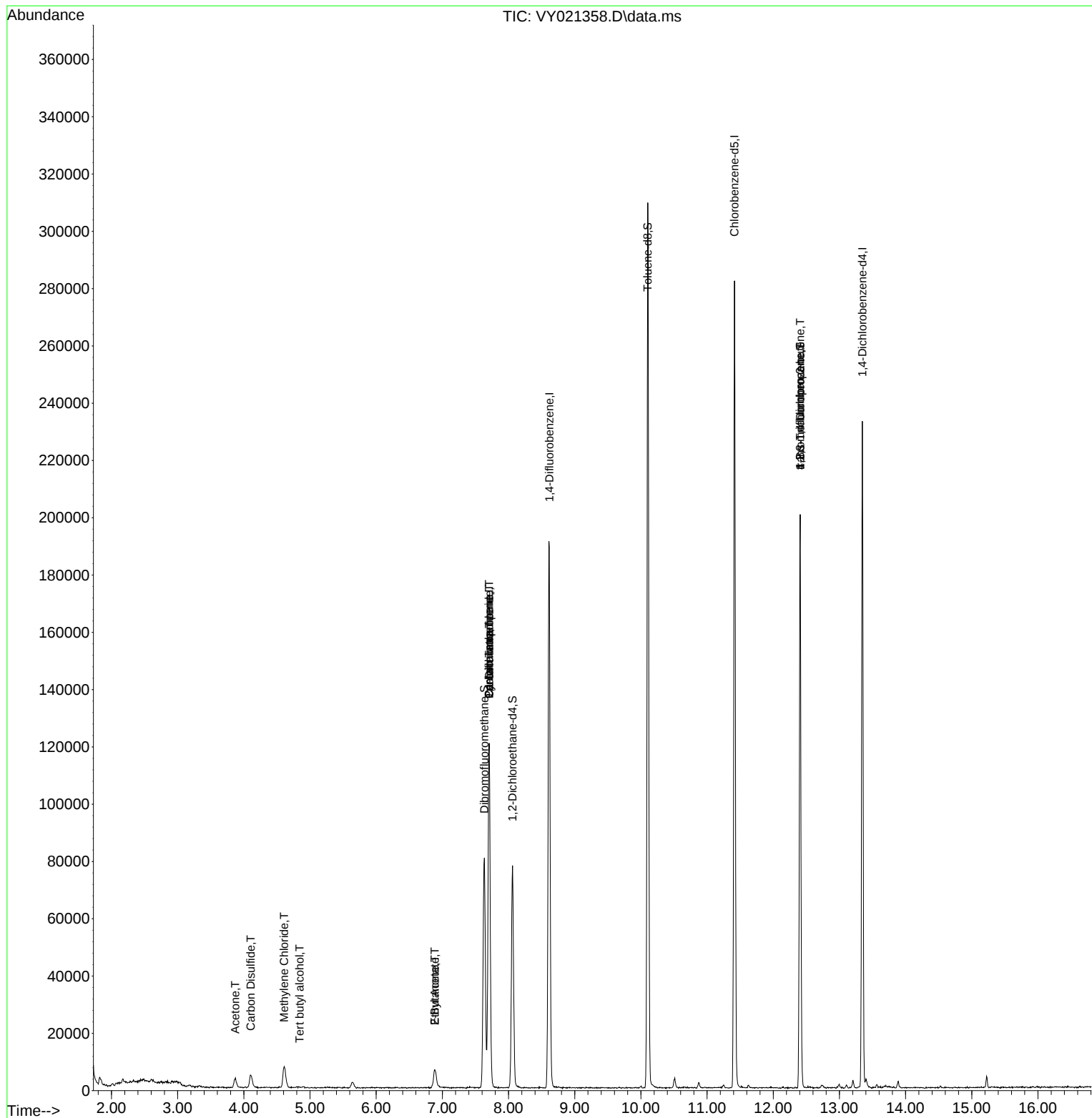
Internal Standards						
1) Pentafluorobenzene	7.707	168	91795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	159126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	143467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	54872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	61063	58.639	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.280%
35) Dibromofluoromethane	7.634	113	55964	53.644	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.280%
50) Toluene-d8	10.103	98	194452	48.229	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.460%
62) 4-Bromofluorobenzene	12.408	95	56916	41.946	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	297	3.708	ug/l #	72
16) Acetone	3.873	43	5462	27.344	ug/l	94
17) Carbon Disulfide	4.104	76	7983	2.603	ug/l	98
20) Methylene Chloride	4.610	84	5235	4.846	ug/l	84
25) 2-Butanone	6.884	43	784	2.601	ug/l #	52
31) Cyclohexane	7.707	56	2362	1.287	ug/l #	23
36) 1,1-Dichloropropene	7.707	75	7283	4.648	ug/l #	51
37) Ethyl Acetate	6.884	43	784	1.006	ug/l #	60
38) Carbon Tetrachloride	7.707	117	9363	5.315	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	31231	56.862	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	31231	126.385	ug/l #	10

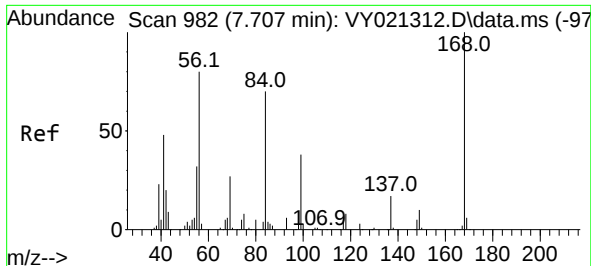
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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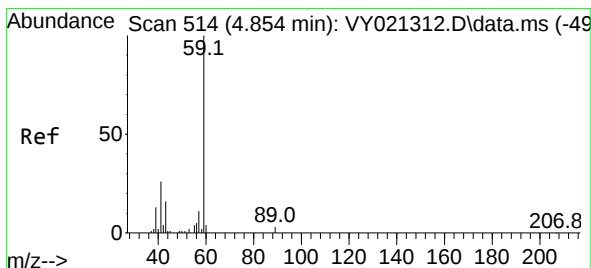
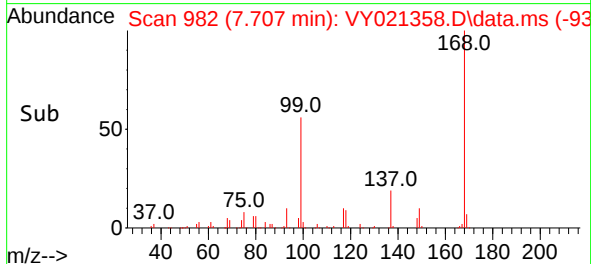
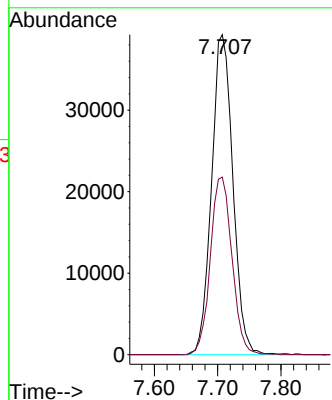
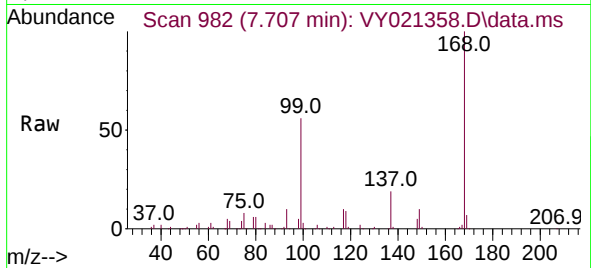




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021358.D
Acq: 27 Feb 2025 15:12

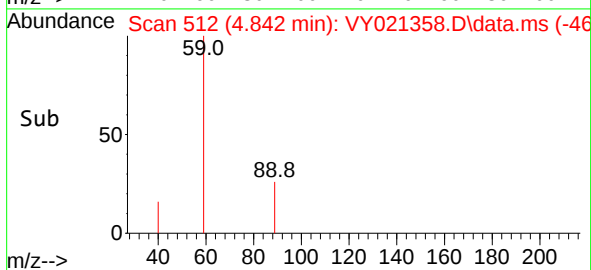
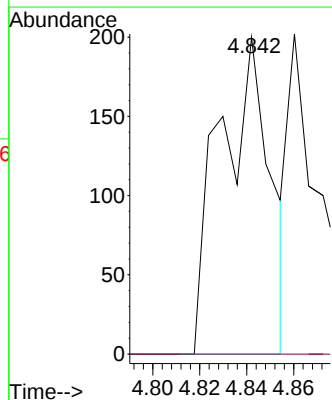
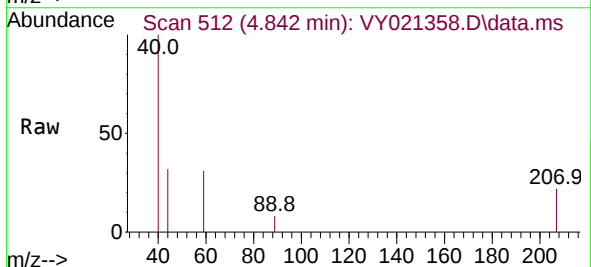
Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

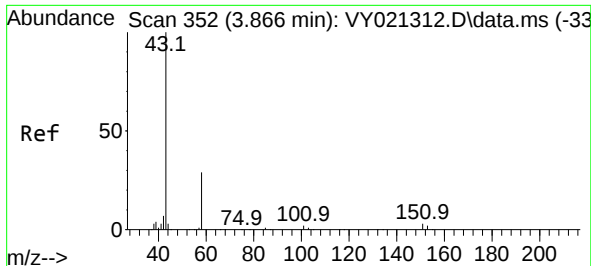
Tgt Ion:168 Resp: 91795
Ion Ratio Lower Upper
168 100
99 55.5 47.1 70.7



#11
Tert butyl alcohol
Concen: 3.708 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY021358.D
Acq: 27 Feb 2025 15:12

Tgt Ion: 59 Resp: 297
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 27.344 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY021358.D

Acq: 27 Feb 2025 15:12

Instrument :

MSVOA_Y

ClientSampleId :

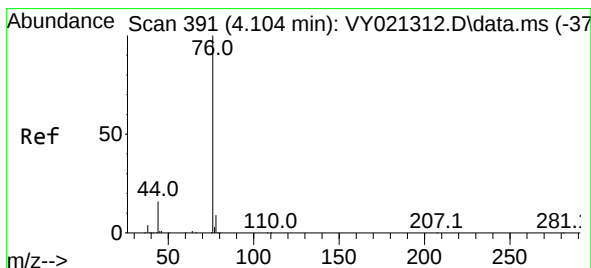
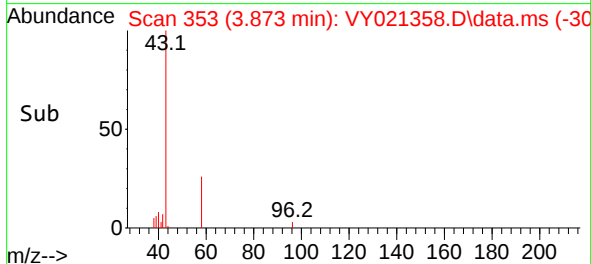
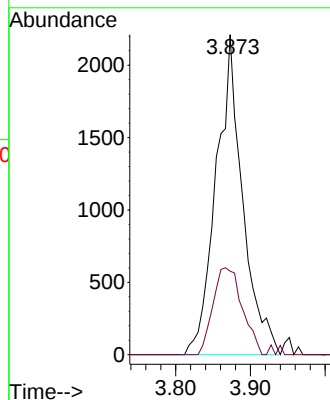
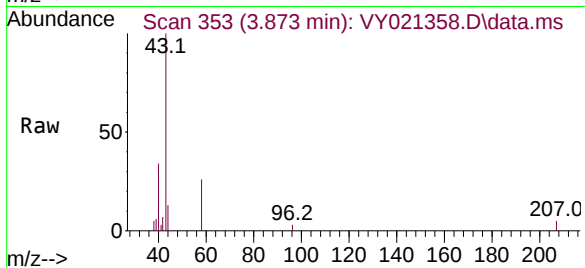
P001-CLAY-CF02-01

Tgt Ion: 43 Resp: 5462

Ion Ratio Lower Upper

43 100

58 26.1 23.5 35.3



#17

Carbon Disulfide

Concen: 2.603 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY021358.D

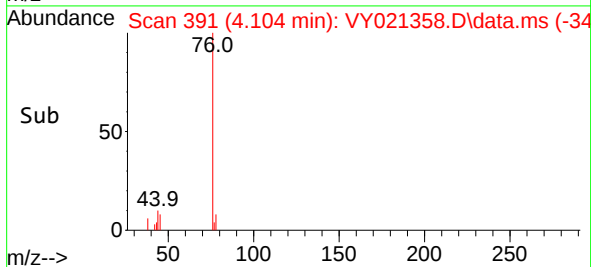
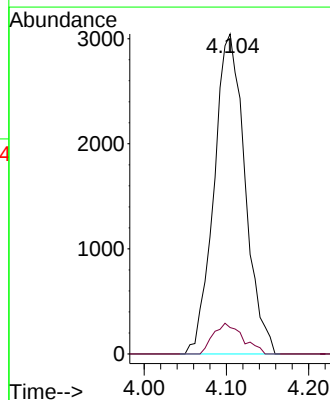
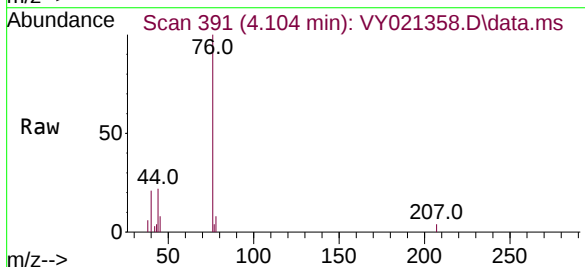
Acq: 27 Feb 2025 15:12

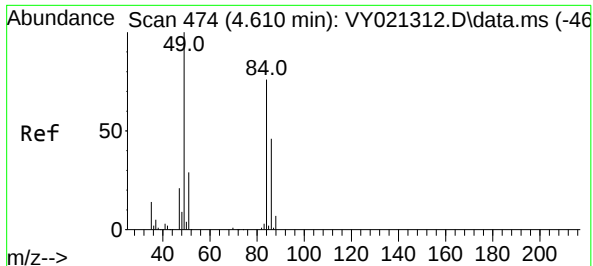
Tgt Ion: 76 Resp: 7983

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7

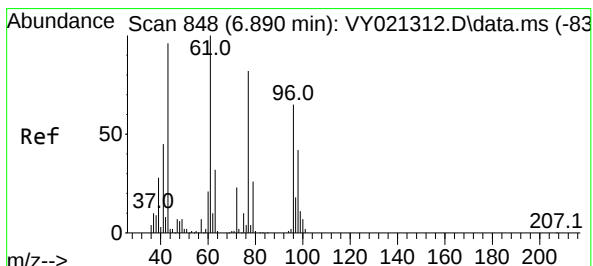
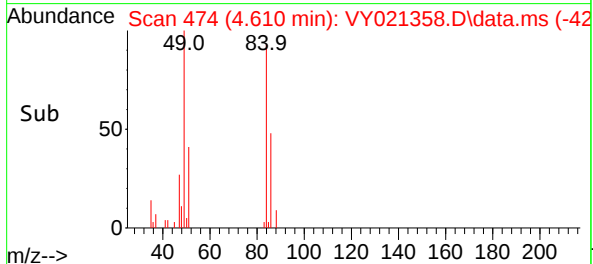
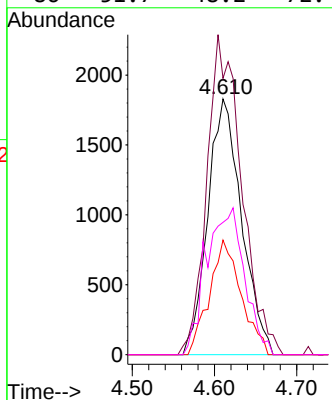
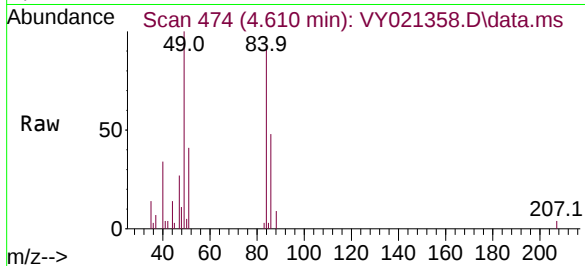




#20
Methylene Chloride
Concen: 4.846 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021358.D
Acq: 27 Feb 2025 15:12

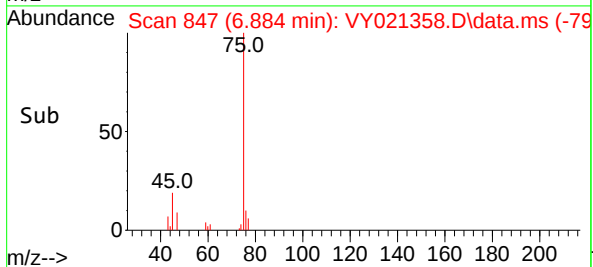
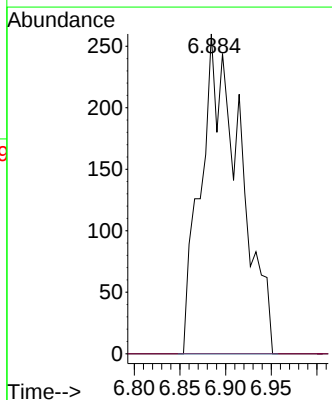
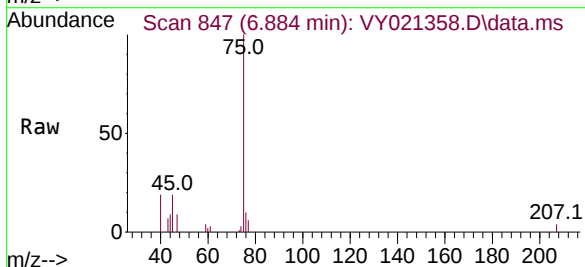
Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

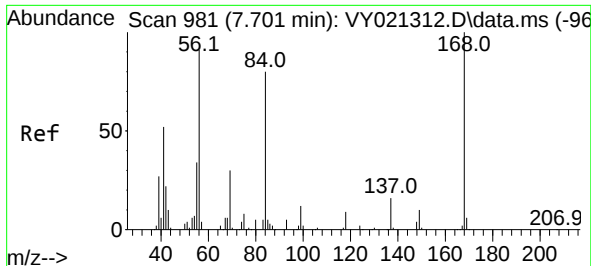
Tgt Ion:	84	Resp:	5235
Ion	Ratio	Lower	Upper
84	100		
49	108.1	105.1	157.7
51	44.8	31.0	46.4
86	51.7	48.2	72.4



#25
2-Butanone
Concen: 2.601 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY021358.D
Acq: 27 Feb 2025 15:12

Tgt Ion:	43	Resp:	784
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.6#

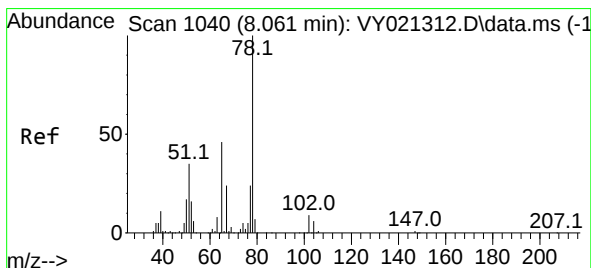
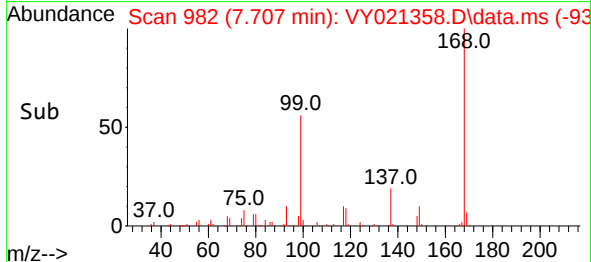
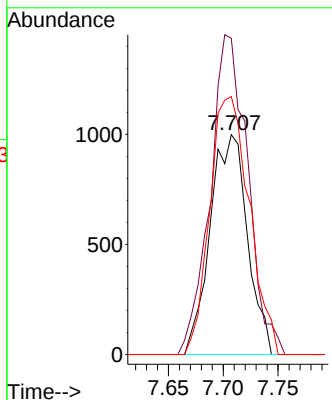
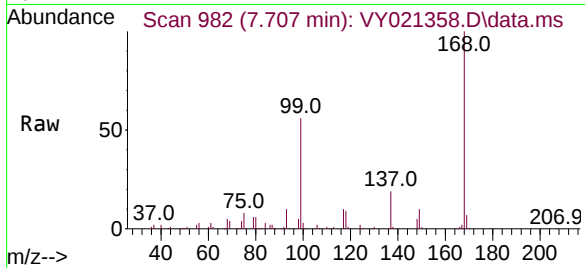




#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021358.D
Acq: 27 Feb 2025 15:12

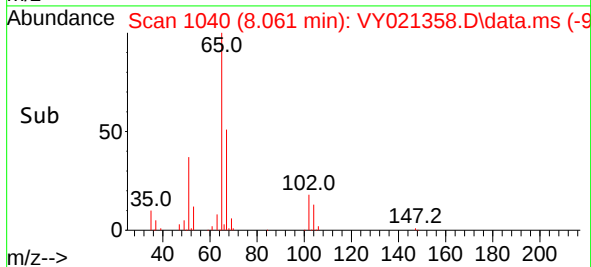
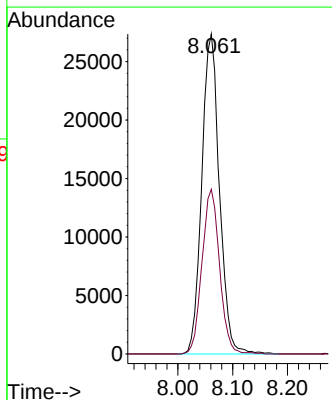
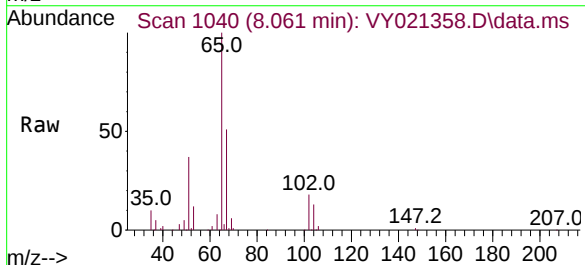
Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

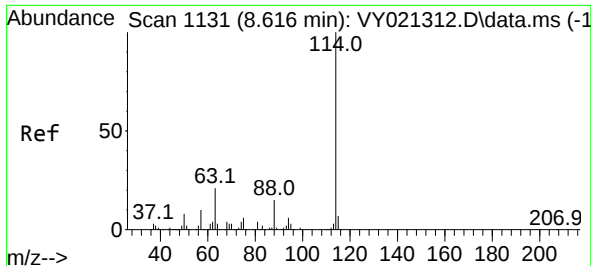
Tgt Ion: 56 Resp: 2362
Ion Ratio Lower Upper
56 100
69 143.8 26.2 39.4#
84 117.3 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 58.639 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021358.D
Acq: 27 Feb 2025 15:12

Tgt Ion: 65 Resp: 61063
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.6

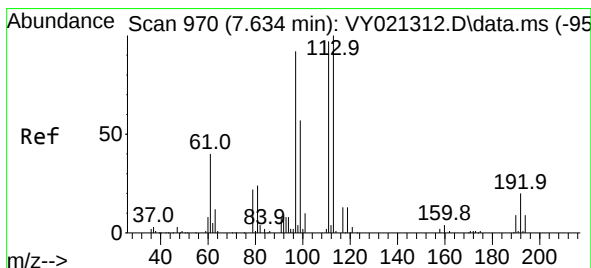
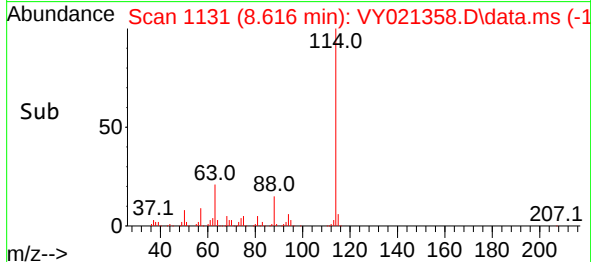
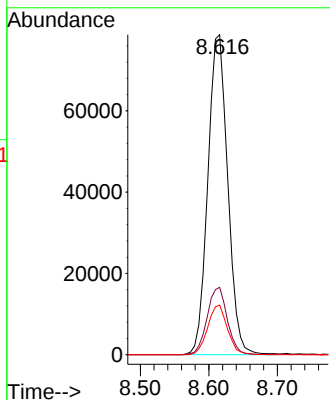
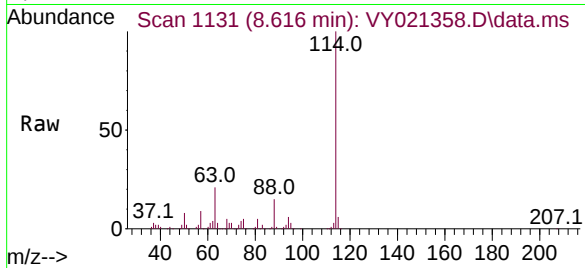




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021358.D
Acq: 27 Feb 2025 15:12

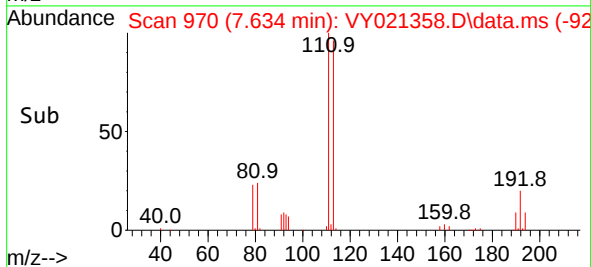
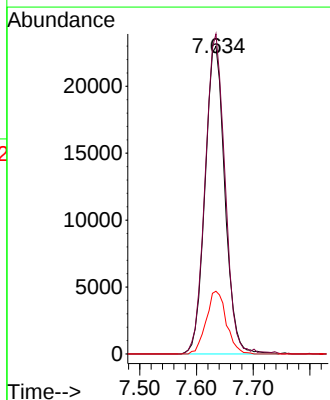
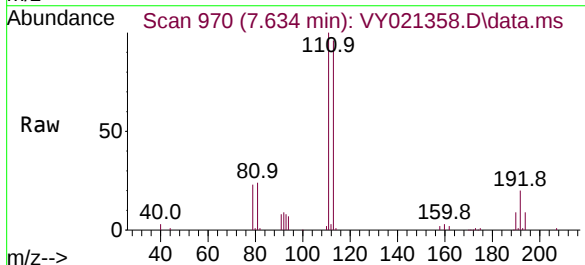
Instrument :
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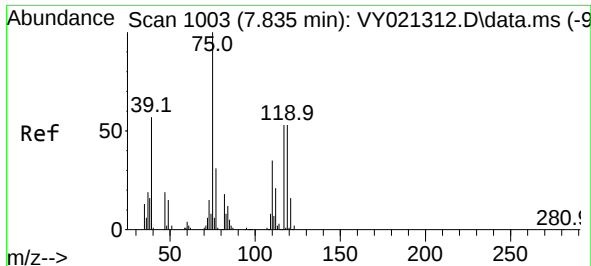
Tgt Ion:	114	Resp:	159126
Ion Ratio	Lower	Upper	
114	100		
63	21.1	0.0	42.2
88	15.5	0.0	29.8



#35
Dibromofluoromethane
Concen: 53.644 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021358.D
Acq: 27 Feb 2025 15:12

Tgt Ion:	113	Resp:	55964
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.0	121.6
192	20.7	15.8	23.8





#36

1,1-Dichloropropene

Concen: 4.648 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY021358.D

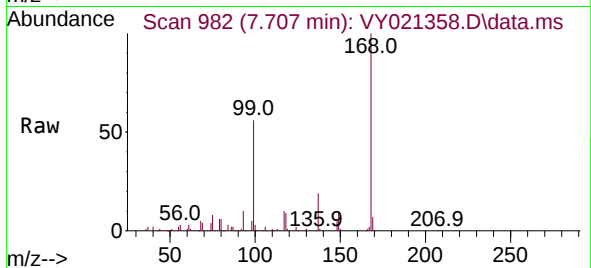
Acq: 27 Feb 2025 15:12

Instrument :

MSVOA_Y

ClientSampleId :

P001-CLAY-CF02-01



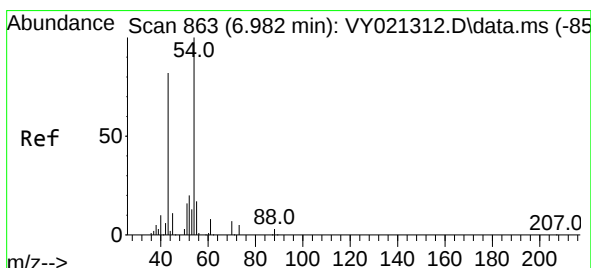
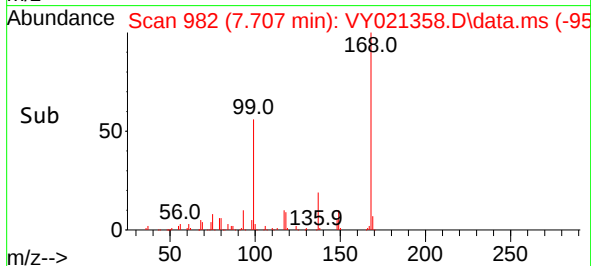
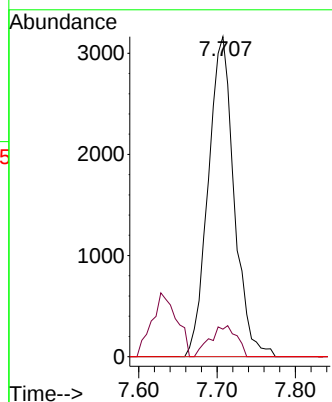
Tgt Ion: 75 Resp: 7283

Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 1.006 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.097 min

Lab File: VY021358.D

Acq: 27 Feb 2025 15:12

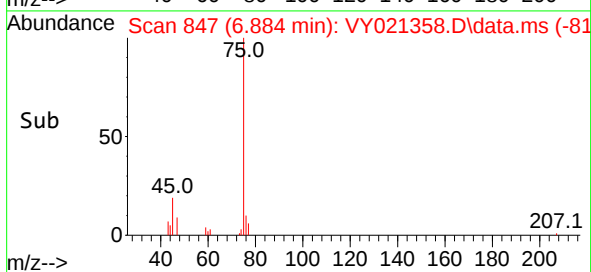
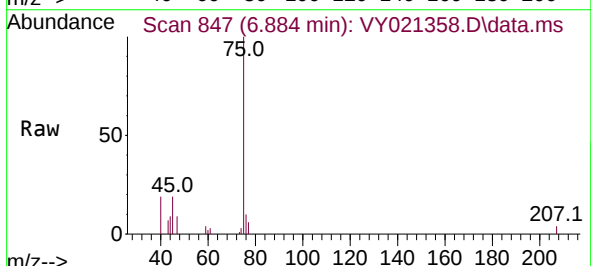
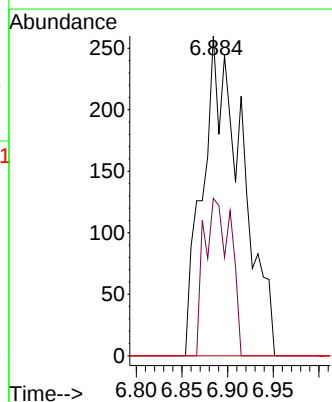
Tgt Ion: 43 Resp: 784

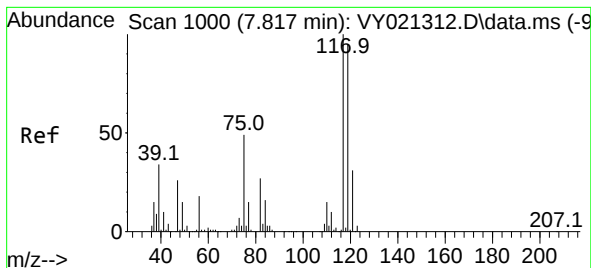
Ion Ratio Lower Upper

43 100

61 33.0 10.4 15.6#

70 0.0 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 5.315 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY021358.D

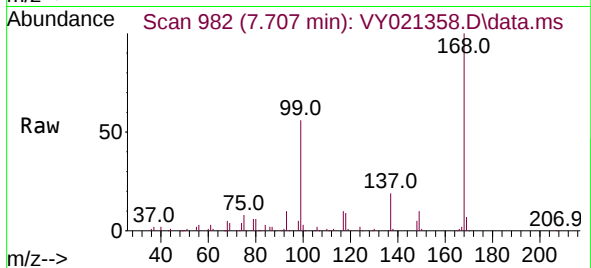
Acq: 27 Feb 2025 15:12

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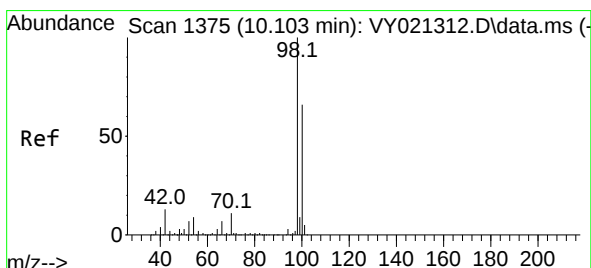
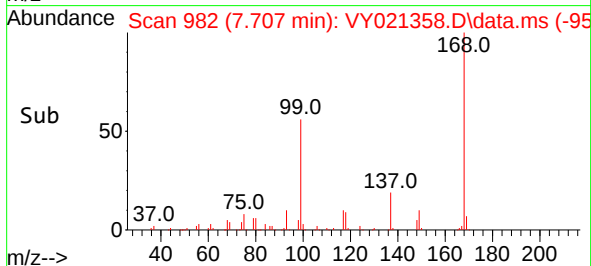
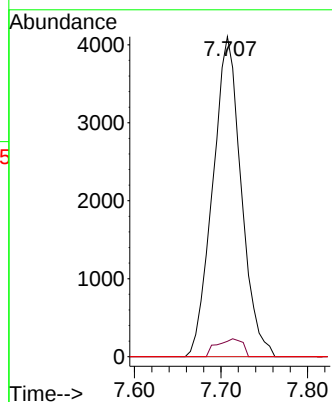
Tgt Ion:117 Resp: 9363

Ion Ratio Lower Upper

117 100

119 4.8 76.0 114.0#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 48.229 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY021358.D

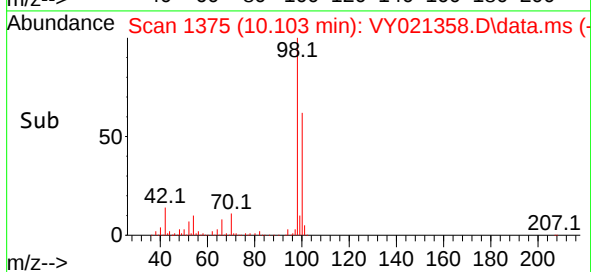
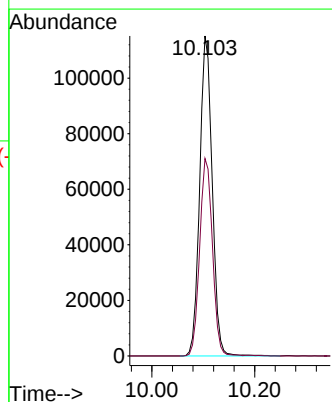
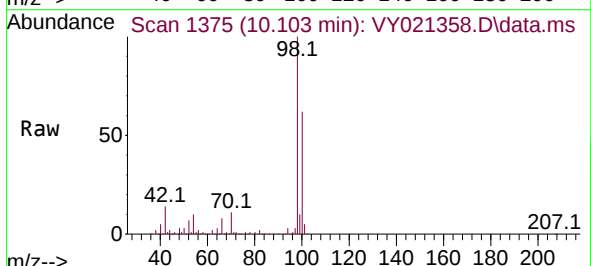
Acq: 27 Feb 2025 15:12

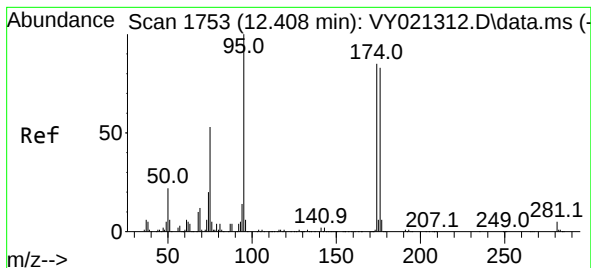
Tgt Ion: 98 Resp: 194452

Ion Ratio Lower Upper

98 100

100 63.1 52.4 78.6

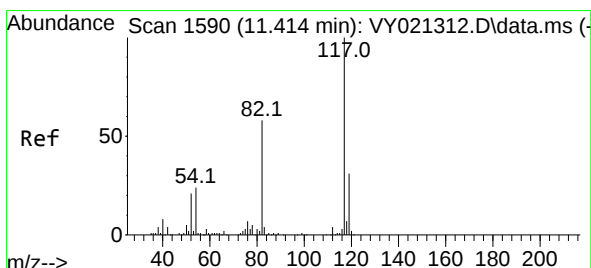
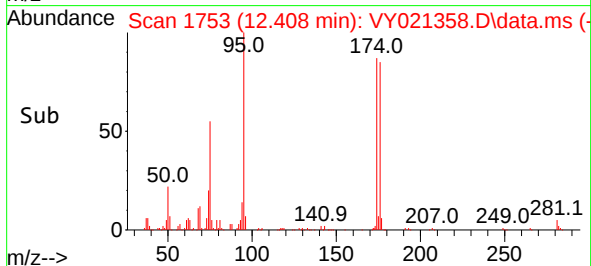
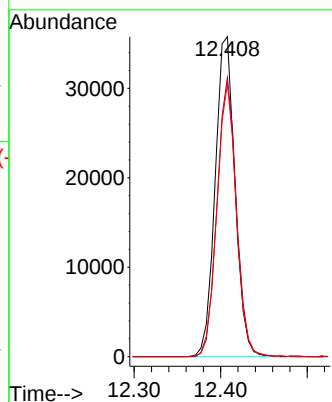
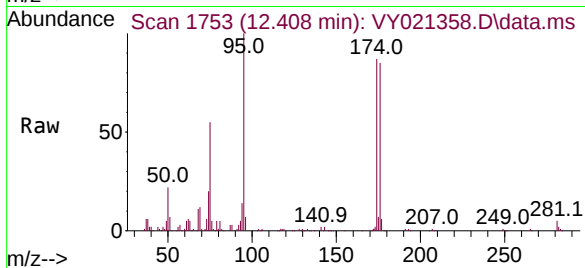




#62
4-Bromofluorobenzene
Concen: 41.946 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021358.D
Acq: 27 Feb 2025 15:12

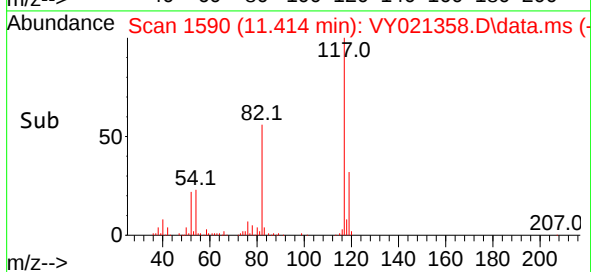
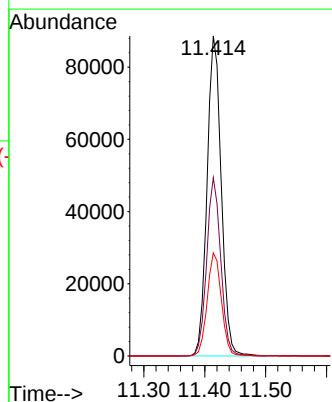
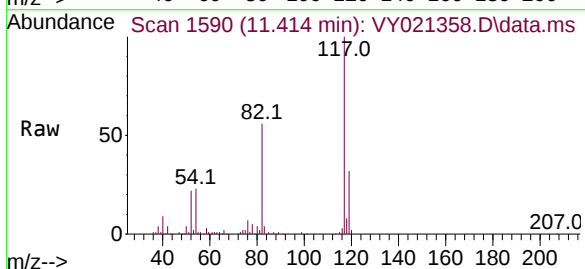
Instrument :
MSVOA_Y
ClientSampleId :
P001-CLAY-CF02-01

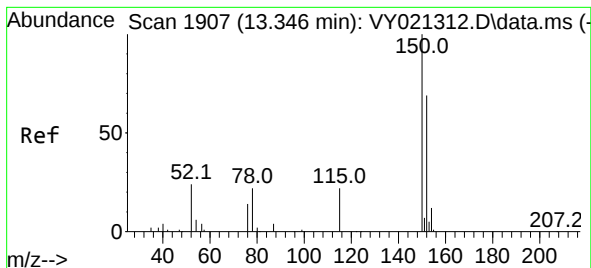
Tgt Ion: 95 Resp: 56916
Ion Ratio Lower Upper
95 100
174 85.0 0.0 168.0
176 83.1 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021358.D
Acq: 27 Feb 2025 15:12

Tgt Ion: 117 Resp: 143467
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 32.2 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021358.D

Acq: 27 Feb 2025 15:12

Instrument :

MSVOA_Y

ClientSampleId :

P001-CLAY-CF02-01

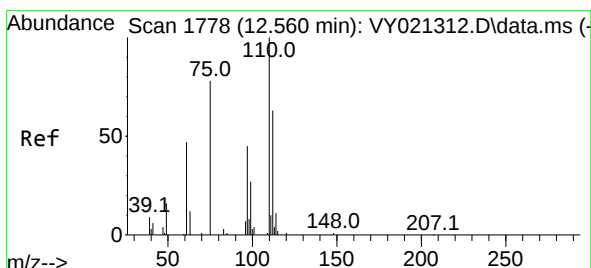
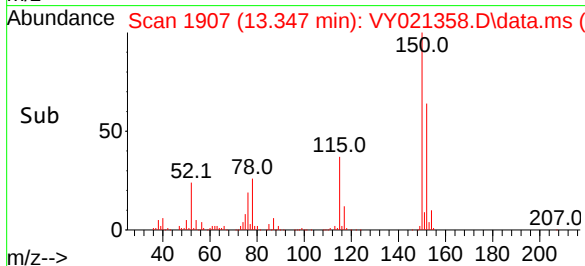
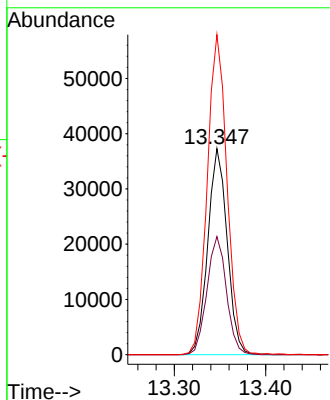
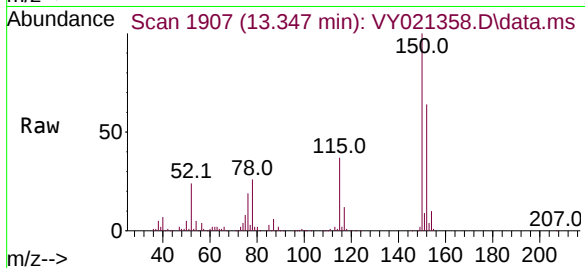
Tgt Ion:152 Resp: 54872

Ion Ratio Lower Upper

152 100

115 57.6 29.3 88.0

150 158.2 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 56.862 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021358.D

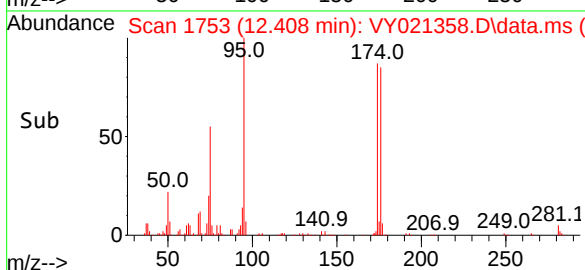
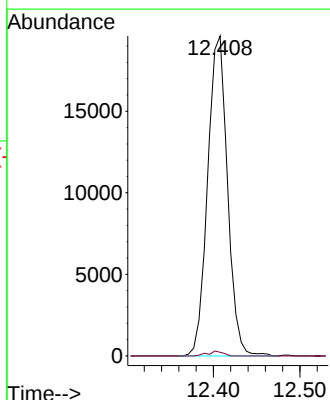
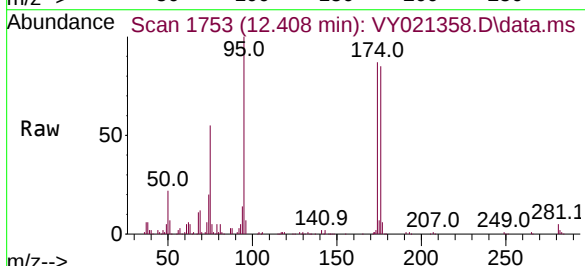
Acq: 27 Feb 2025 15:12

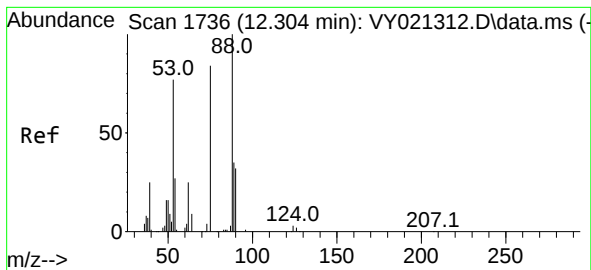
Tgt Ion: 75 Resp: 31231

Ion Ratio Lower Upper

75 100

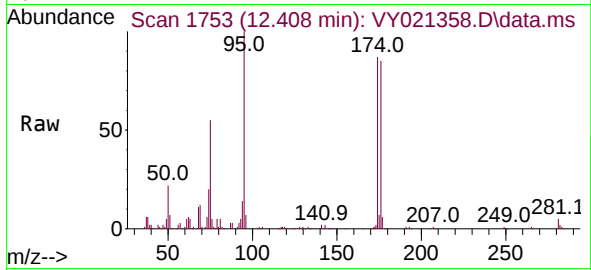
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.385 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021358.D
 Acq: 27 Feb 2025 15:12

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



Tgt Ion: 75 Resp: 31231
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 35.6 53.4#

