

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021332.D
 Acq On : 26 Feb 2025 15:27
 Operator : SY/MD
 Sample : Q1383-09
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-15-021725

Quant Time: Feb 27 00:38:38 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)

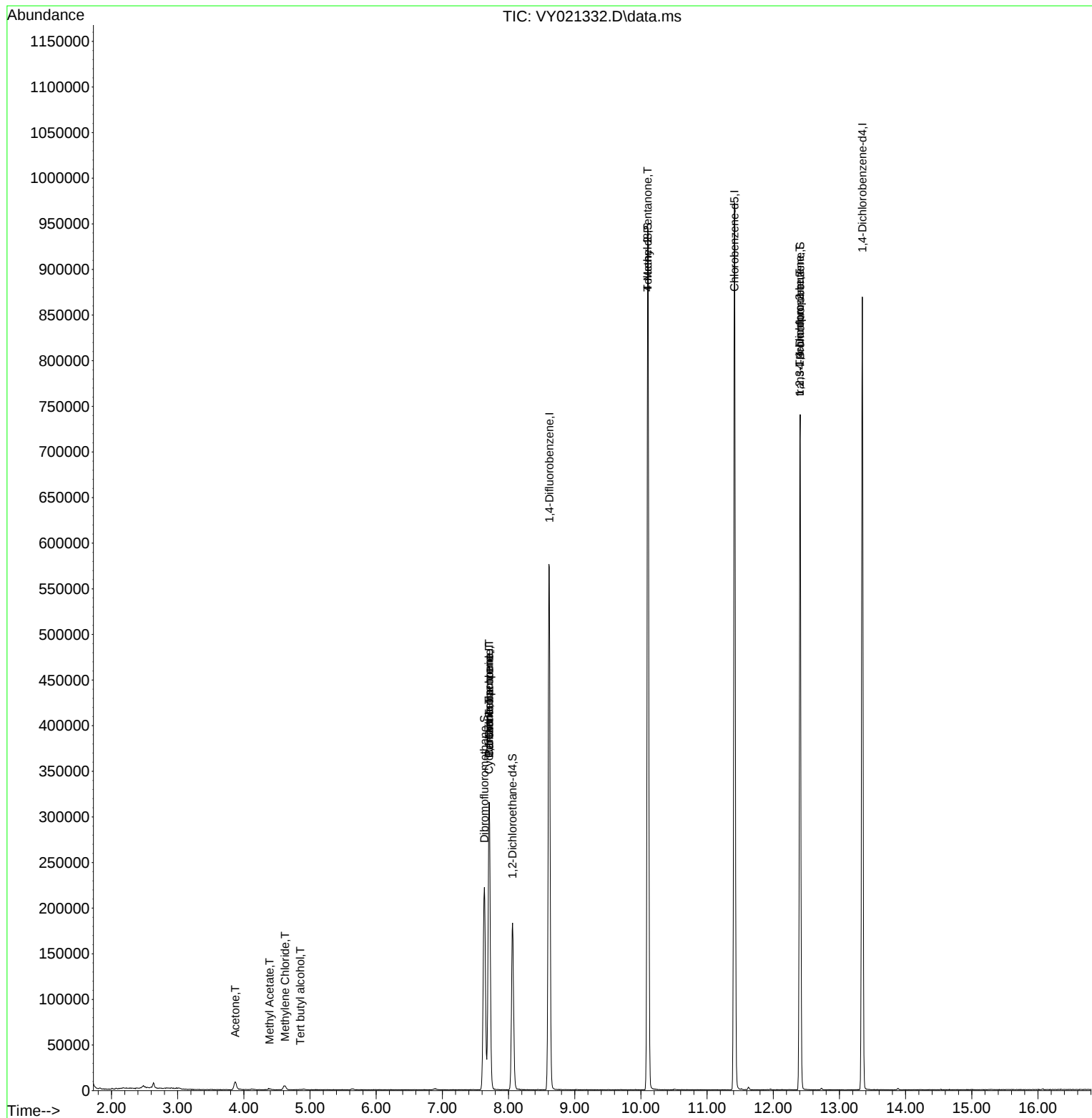
Internal Standards						
1) Pentafluorobenzene	7.707	168	240886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	477609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	478629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	207331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143126	52.376	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.760%	
35) Dibromofluoromethane	7.634	113	156477	49.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.940%	
50) Toluene-d8	10.103	98	597165	49.347	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.700%	
62) 4-Bromofluorobenzene	12.408	95	211444	51.918	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	849	4.039	ug/l #	72
16) Acetone	3.873	43	15662	29.879	ug/l	96
18) Methyl Acetate	4.391	43	2235	1.745	ug/l	93
20) Methylene Chloride	4.622	84	3266	1.152	ug/l #	83
31) Cyclohexane	7.701	56	5628	1.168	ug/l #	21
36) 1,1-Dichloropropene	7.707	75	19990	4.250	ug/l #	51
38) Carbon Tetrachloride	7.707	117	24546	4.642	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2995	1.292	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	119860	57.756	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	119860	128.372	ug/l #	10

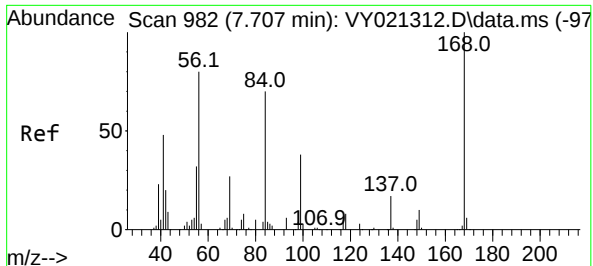
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-PCS-TC-15-021725

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Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration

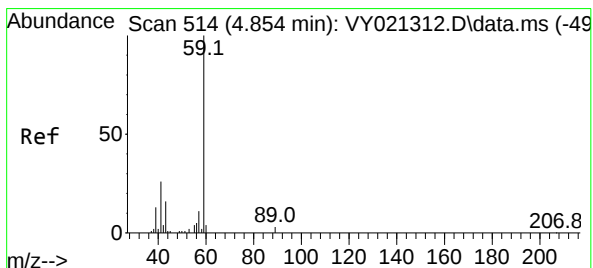
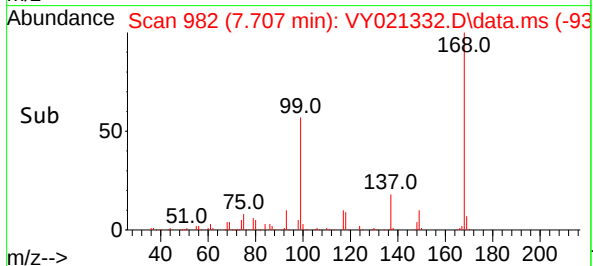
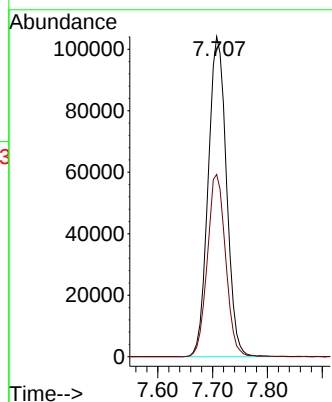
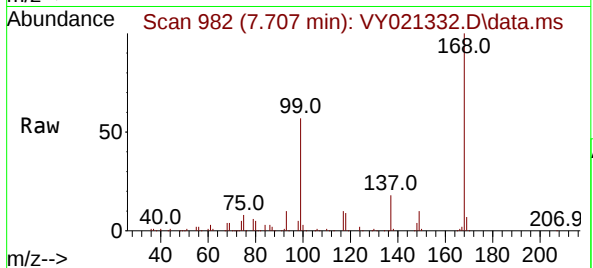




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

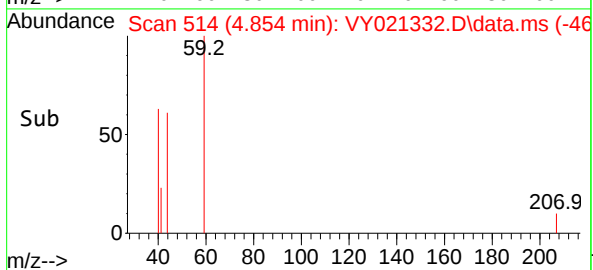
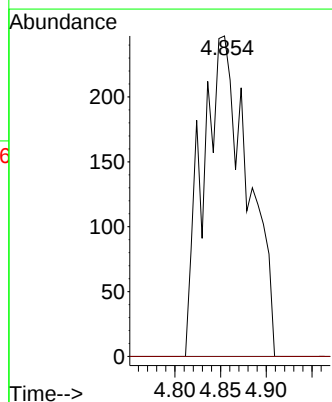
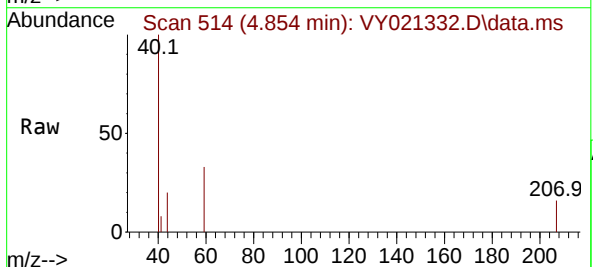
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-15-021725

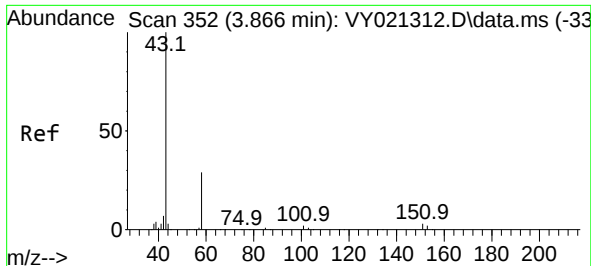
Tgt Ion:168 Resp: 240886
Ion Ratio Lower Upper
168 100
99 56.9 47.1 70.7



#11
Tert butyl alcohol
Concen: 4.039 ug/l
RT: 4.854 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

Tgt Ion: 59 Resp: 849
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

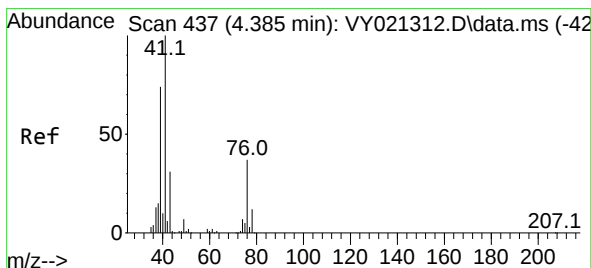
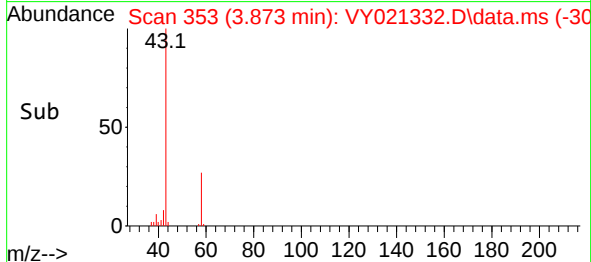
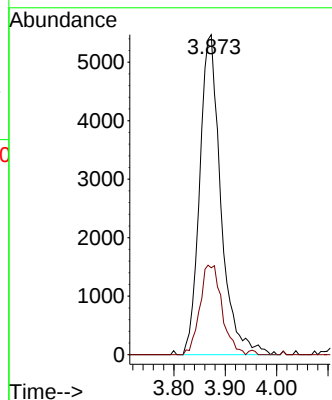
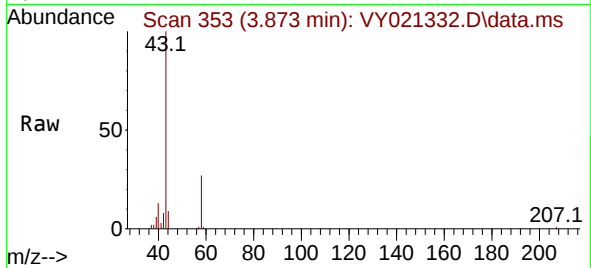




#16
Acetone
Concen: 29.879 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

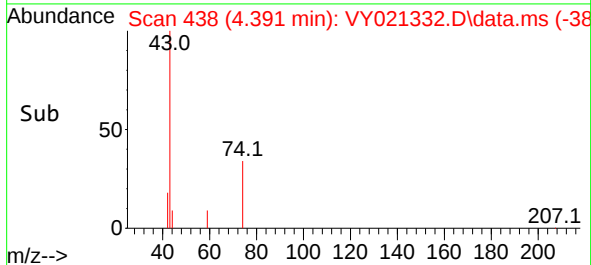
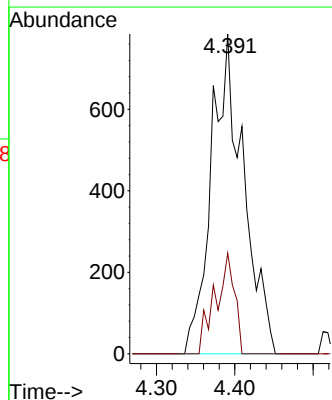
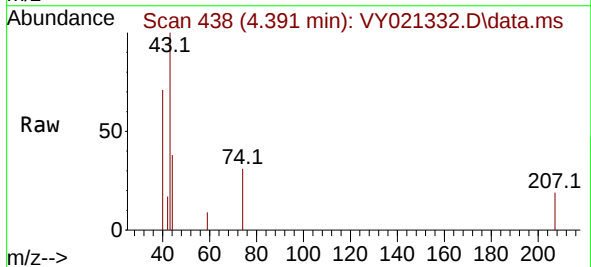
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-15-021725

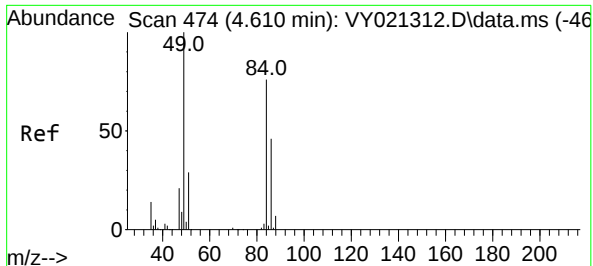
Tgt Ion: 43 Resp: 15662
Ion Ratio Lower Upper
43 100
58 27.2 23.5 35.3



#18
Methyl Acetate
Concen: 1.745 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

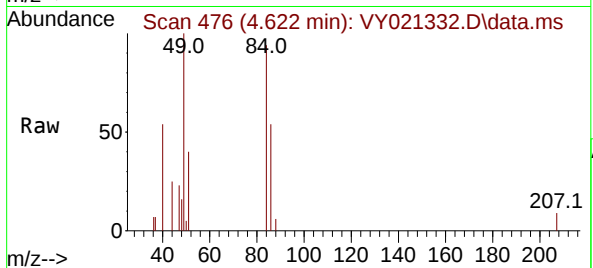
Tgt Ion: 43 Resp: 2235
Ion Ratio Lower Upper
43 100
74 18.9 17.7 26.5



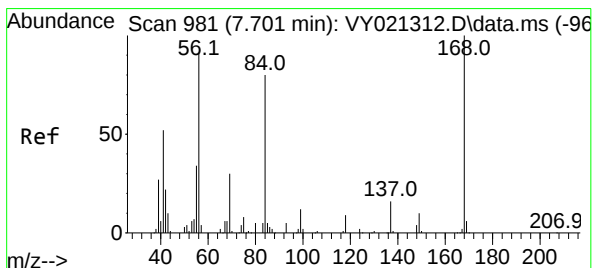
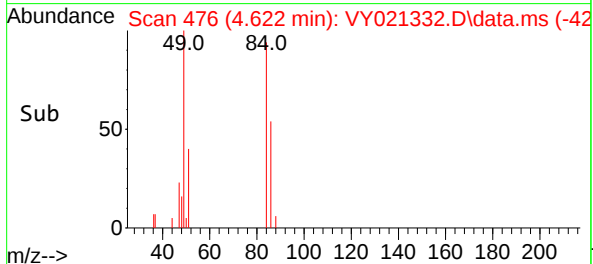
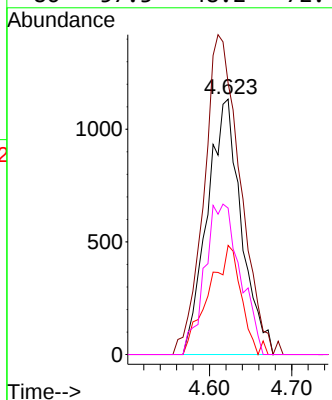


#20
Methylene Chloride
Concen: 1.152 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-15-021725

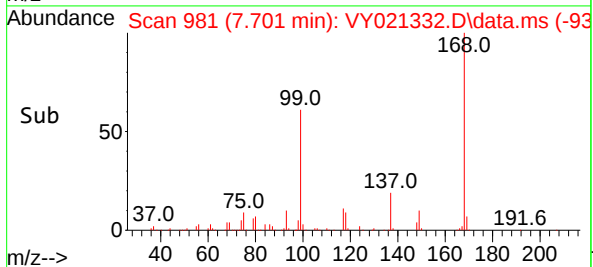
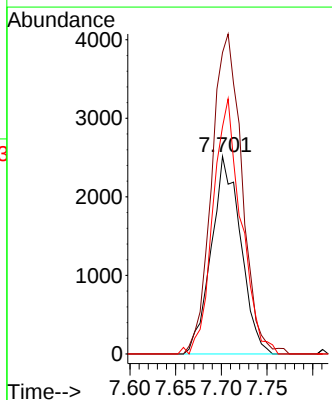
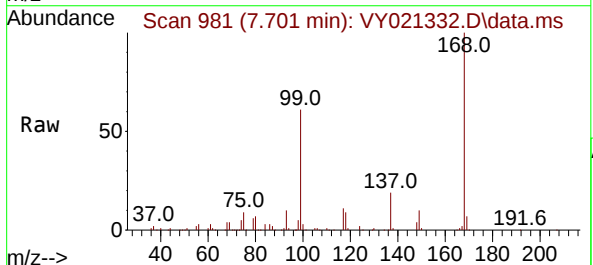


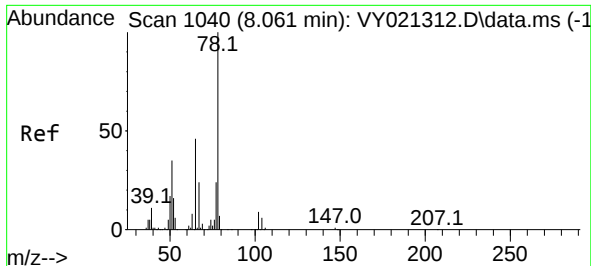
Tgt Ion:	84	Resp:	3266
Ion	Ratio	Lower	Upper
84	100		
49	101.1	105.1	157.7#
51	42.8	31.0	46.4
86	57.3	48.2	72.4



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

Tgt Ion:	56	Resp:	5628
Ion	Ratio	Lower	Upper
56	100		
69	152.6	26.2	39.4#
84	115.0	70.2	105.4#

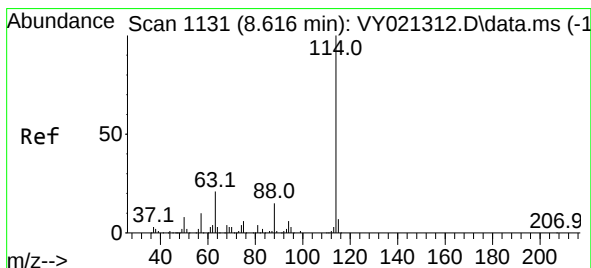
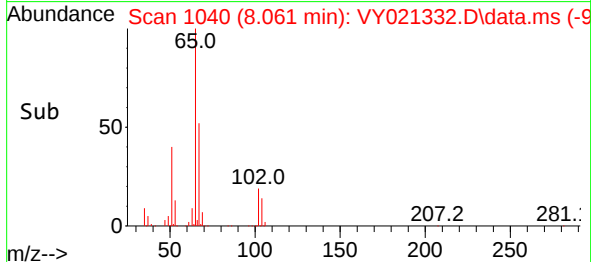
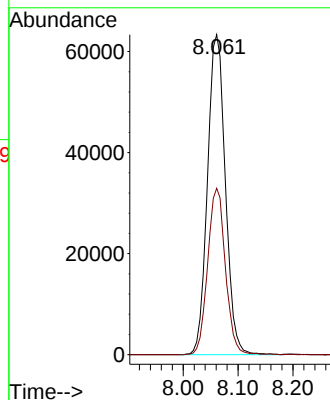
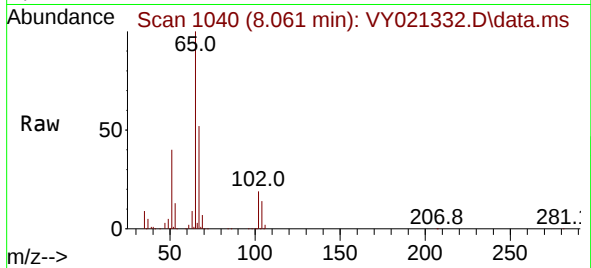




#33
 1,2-Dichloroethane-d4
 Concen: 52.376 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021332.D
 Acq: 26 Feb 2025 15:27

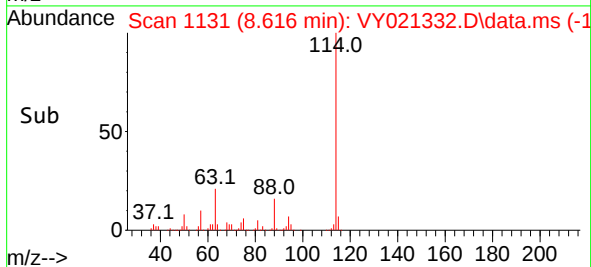
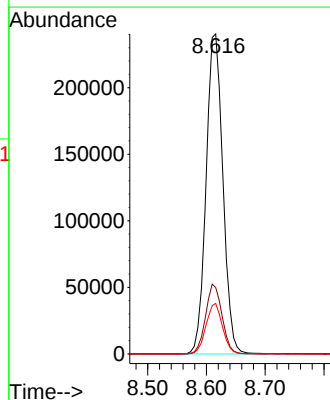
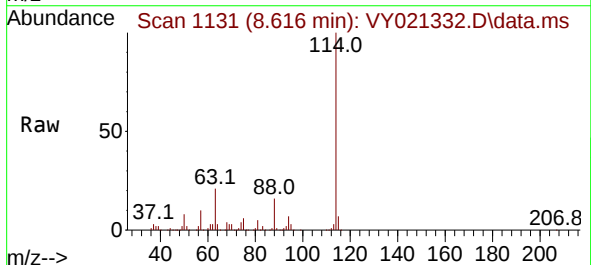
Instrument :
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 ClientSampleId :
 OU4-PCS-TC-15-021725

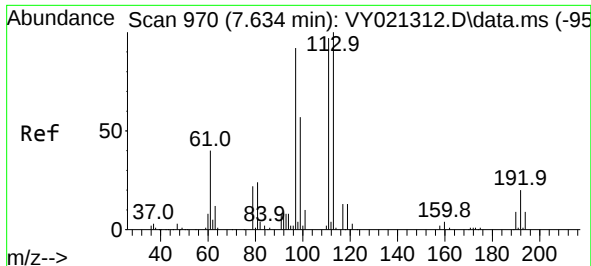
Tgt Ion: 65 Resp: 143126
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021332.D
 Acq: 26 Feb 2025 15:27

Tgt Ion: 114 Resp: 477609
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.2
 88 15.8 0.0 29.8

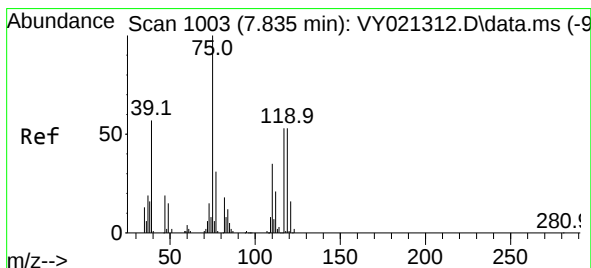
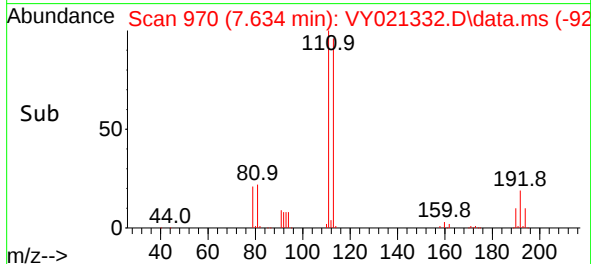
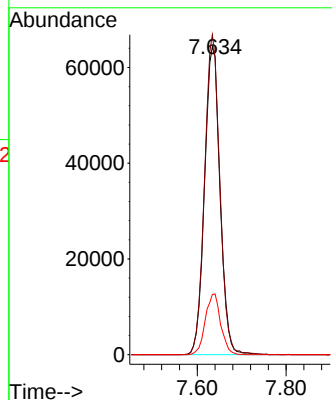
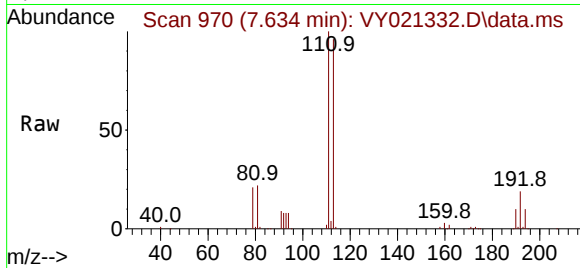




#35
Dibromofluoromethane
Concen: 49.973 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

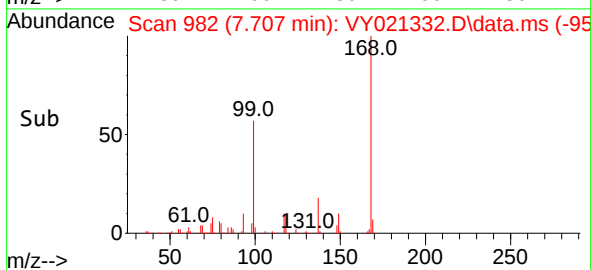
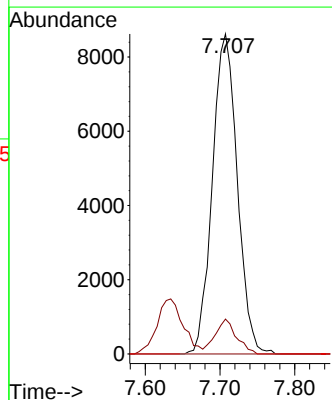
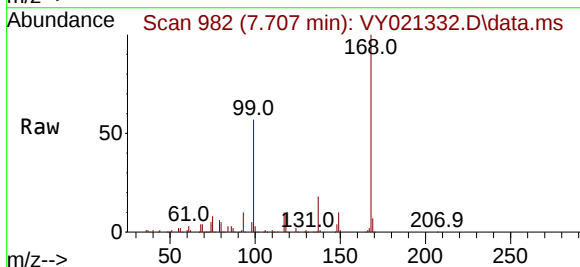
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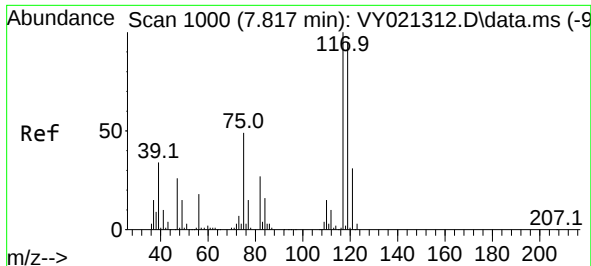
Tgt Ion:	113	Resp:	156477
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.6
192	19.6	15.8	23.8



#36
1,1-Dichloropropene
Concen: 4.250 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

Tgt Ion:	75	Resp:	19990
Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.9	50.7#
77	0.0	24.6	36.8#

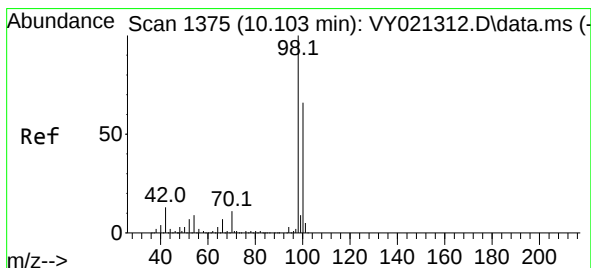
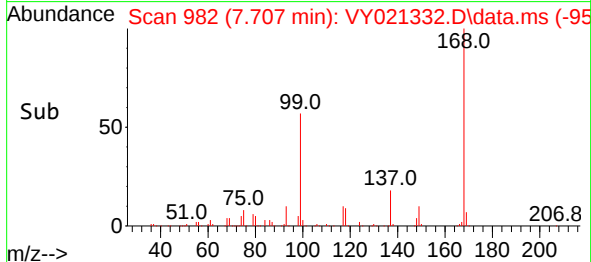
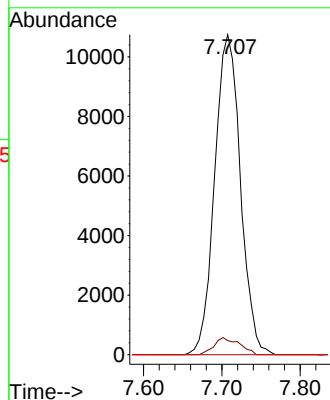
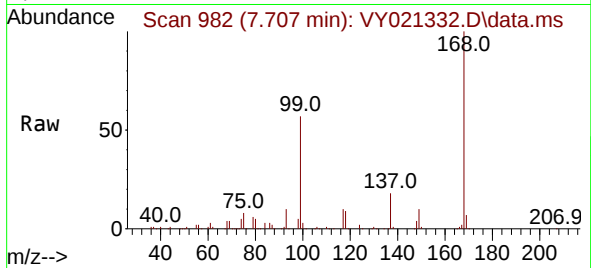




#38
Carbon Tetrachloride
Concen: 4.642 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

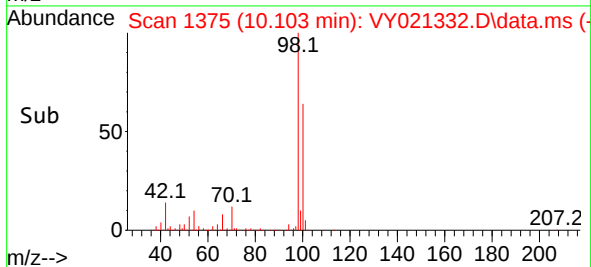
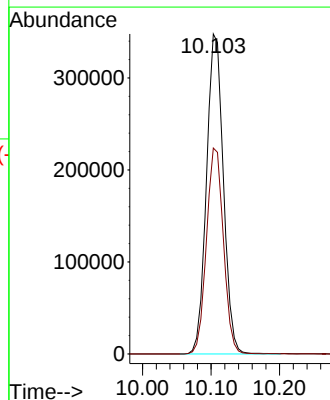
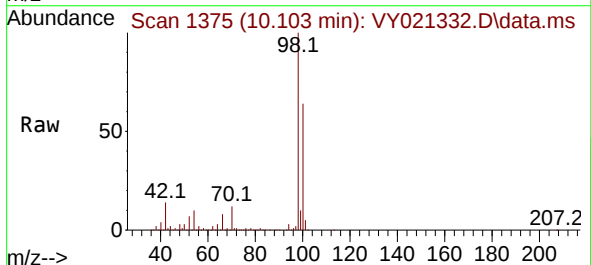
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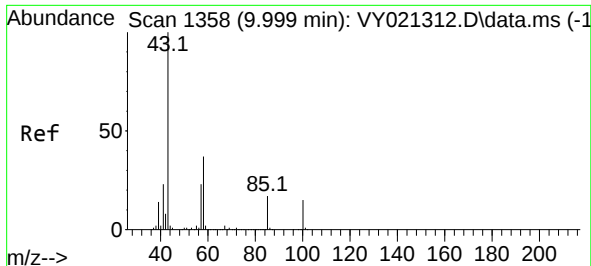
Tgt Ion:117 Resp: 24546
Ion Ratio Lower Upper
117 100
119 4.4 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 49.347 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

Tgt Ion: 98 Resp: 597165
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 1.292 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.104 min

Lab File: VY021332.D

Acq: 26 Feb 2025 15:27

Instrument :

MSVOA_Y

ClientSampleId :

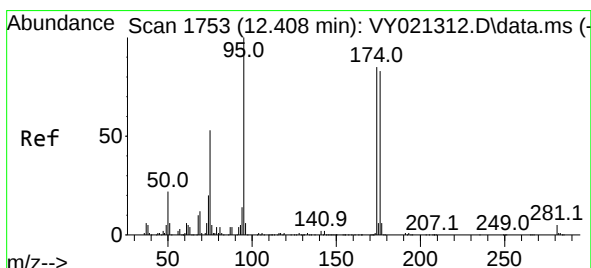
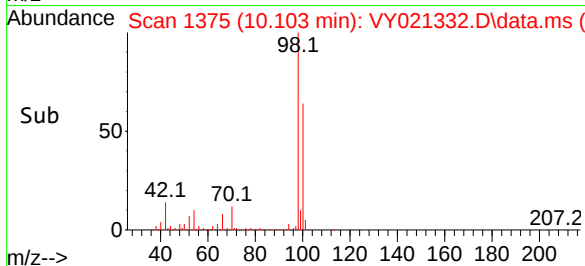
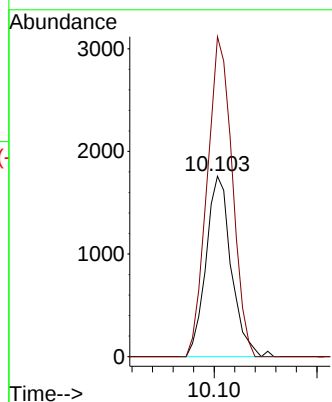
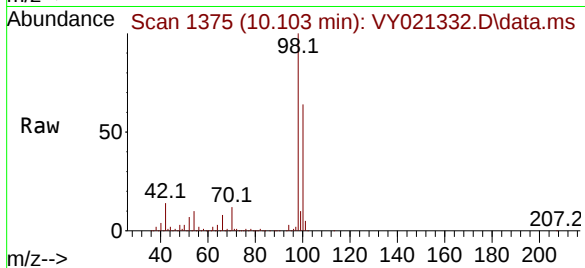
OU4-PCS-TC-15-021725

Tgt Ion: 43 Resp: 2995

Ion Ratio Lower Upper

43 100

58 176.3 30.1 45.1#



#62

4-Bromofluorobenzene

Concen: 51.918 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021332.D

Acq: 26 Feb 2025 15:27

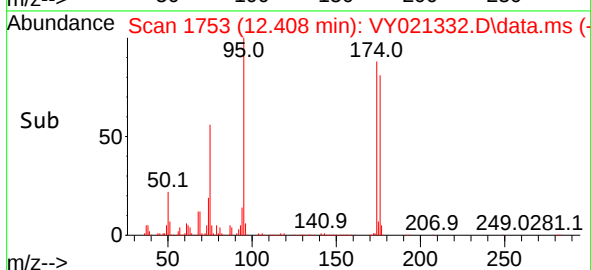
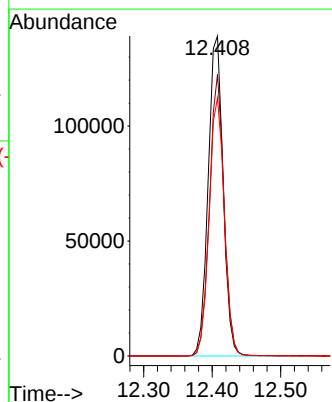
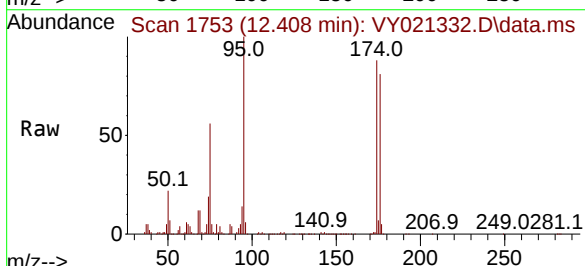
Tgt Ion: 95 Resp: 211444

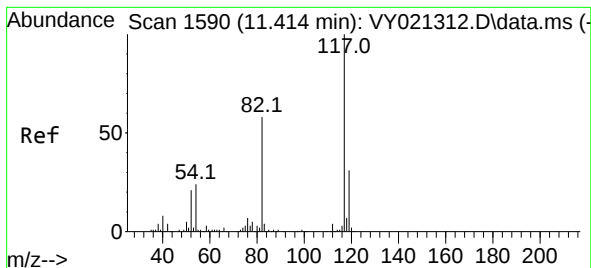
Ion Ratio Lower Upper

95 100

174 86.0 0.0 168.0

176 81.5 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021332.D

Acq: 26 Feb 2025 15:27

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-15-021725

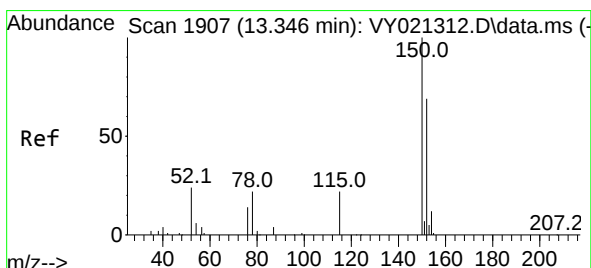
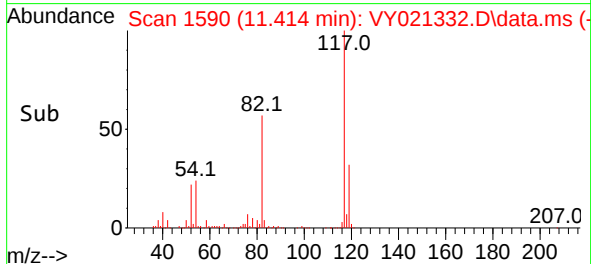
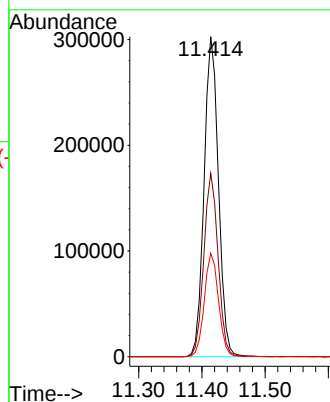
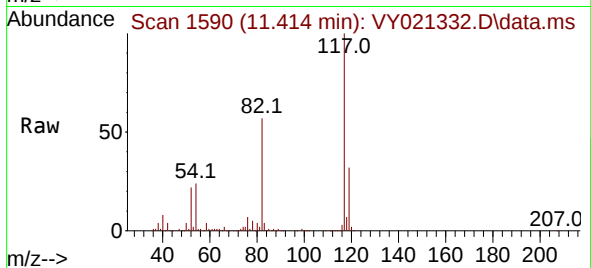
Tgt Ion:117 Resp: 478629

Ion Ratio Lower Upper

117 100

82 57.3 46.2 69.4

119 32.3 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: VY021332.D

Acq: 26 Feb 2025 15:27

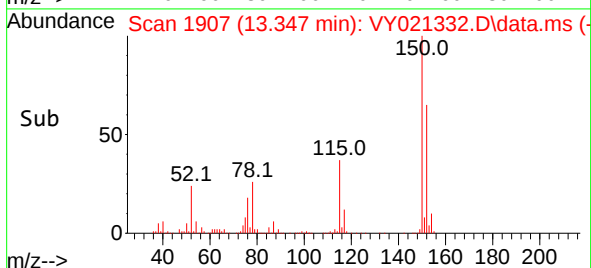
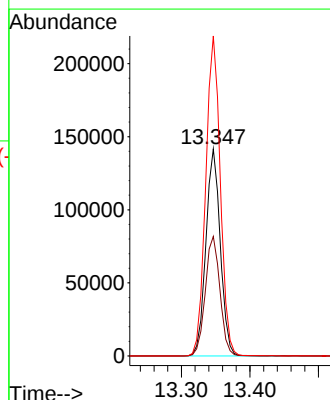
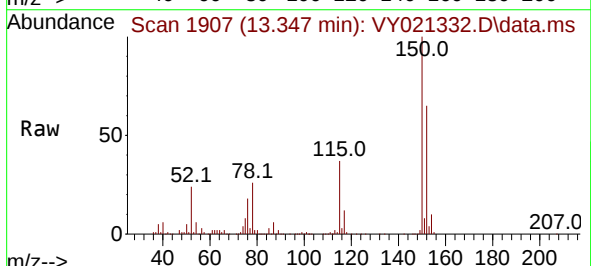
Tgt Ion:152 Resp: 207331

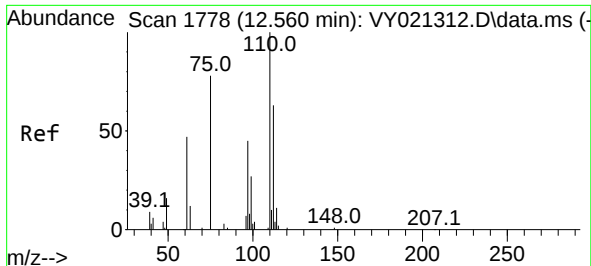
Ion Ratio Lower Upper

152 100

115 58.8 29.3 88.0

150 156.4 0.0 347.4

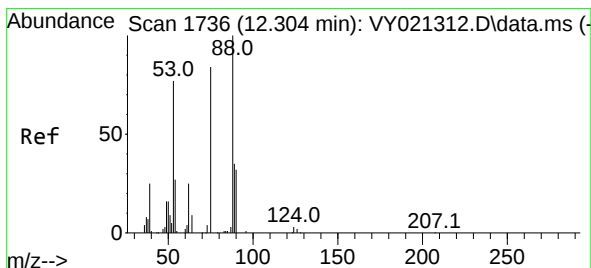
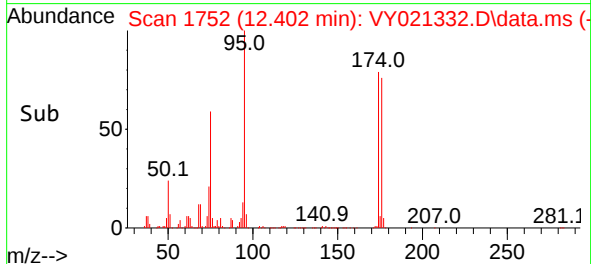
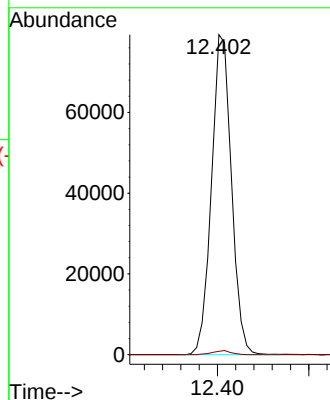
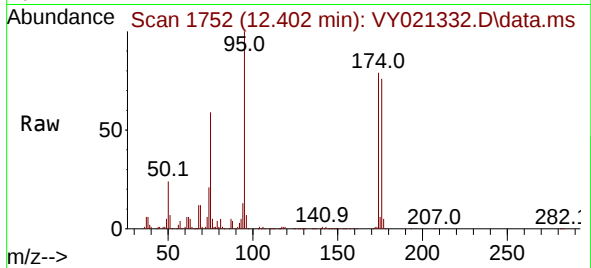




#76
1,2,3-Trichloropropane
Concen: 57.756 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion: 75 Resp: 119860
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.372 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021332.D
Acq: 26 Feb 2025 15:27

Tgt Ion: 75 Resp: 119860
Ion Ratio Lower Upper
75 100
53 0.1 79.1 118.7#
89 0.0 35.6 53.4#

