

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021787.D
 Acq On : 04 Apr 2025 15:47
 Operator : SY/MD
 Sample : Q1730-13
 Misc : 6.40g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-24-040325

Quant Time: Apr 04 23:40:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

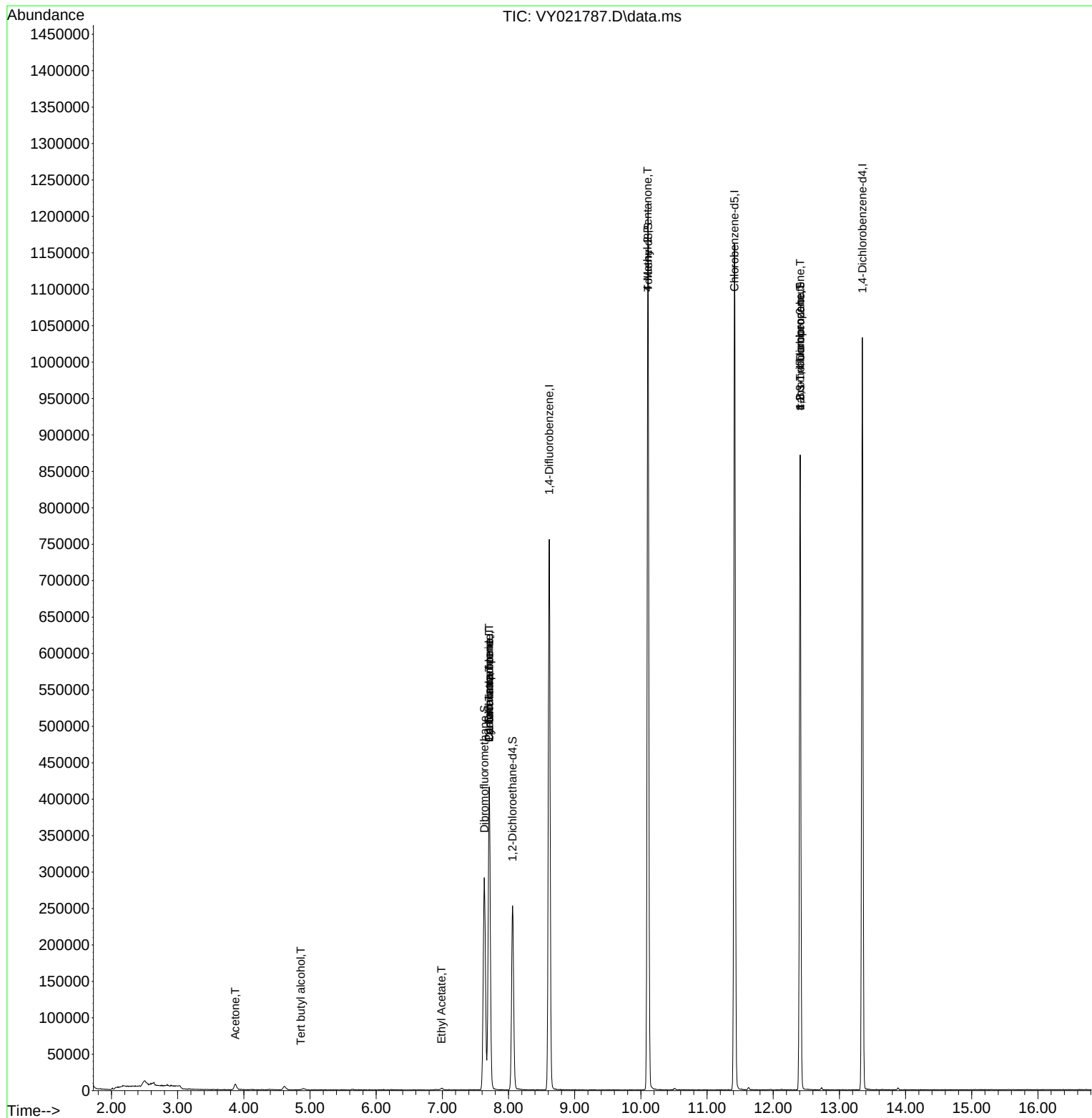
Internal Standards						
1) Pentafluorobenzene	7.707	168	311584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	616656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	588608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	247734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	199571	59.116	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.240%			
35) Dibromofluoromethane	7.634	113	203635	50.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.820%			
50) Toluene-d8	10.109	98	767004	50.402	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.800%			
62) 4-Bromofluorobenzene	12.408	95	254584	49.459	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.920%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	540	2.463	ug/l #	70
16) Acetone	3.873	43	13685	19.807	ug/l	95
20) Methylene Chloride	4.610	84	3259	Below Cal	#	76
31) Cyclohexane	7.707	56	7142	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	26617	4.369	ug/l #	50
37) Ethyl Acetate	6.988	43	3581	1.245	ug/l	97
38) Carbon Tetrachloride	7.707	117	32566	4.667	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	3339	1.177	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	135708	55.263	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	135708	127.335	ug/l #	11

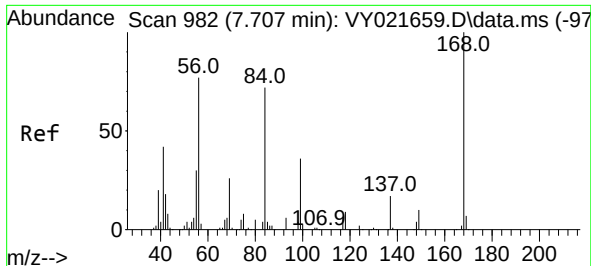
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

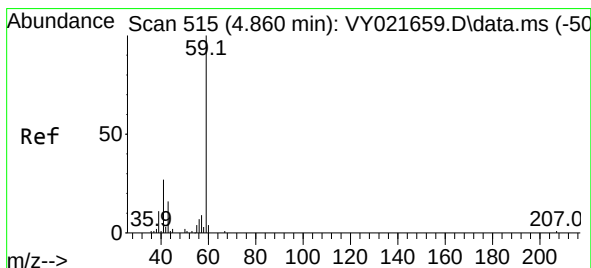
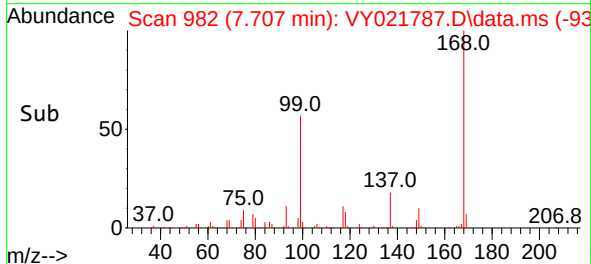
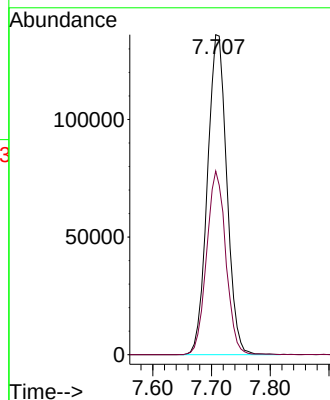
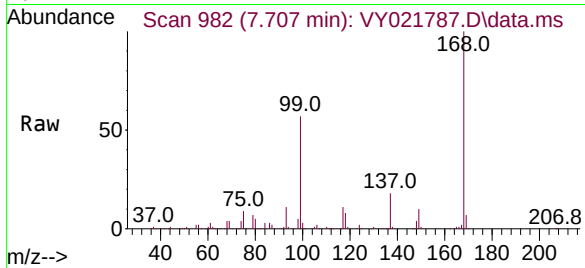




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

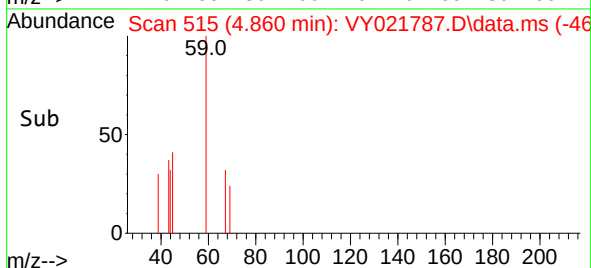
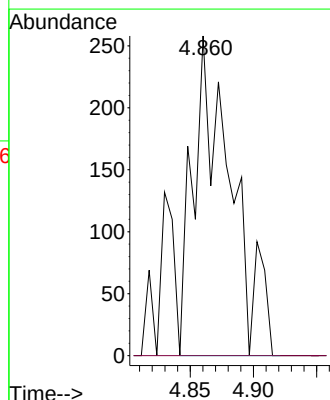
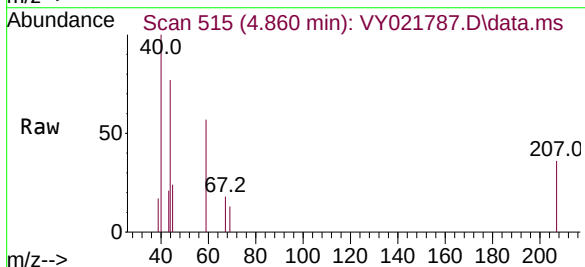
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

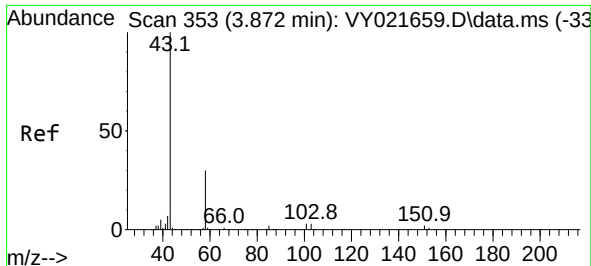
Tgt Ion:168 Resp: 311584
Ion Ratio Lower Upper
168 100
99 57.4 46.7 70.1



#11
Tert butyl alcohol
Concen: 2.463 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion: 59 Resp: 540
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

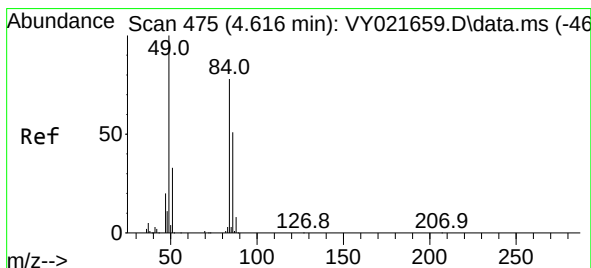
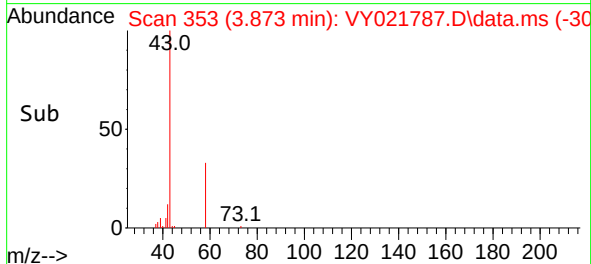
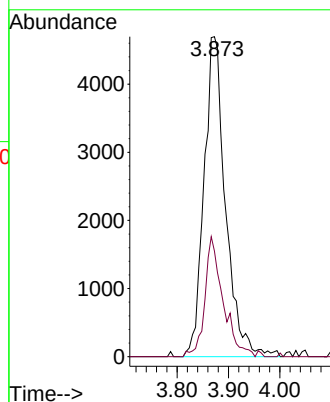
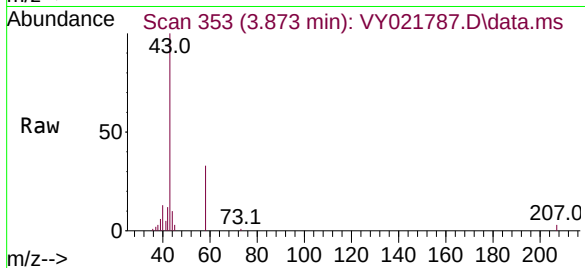




#16
Acetone
Concen: 19.807 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

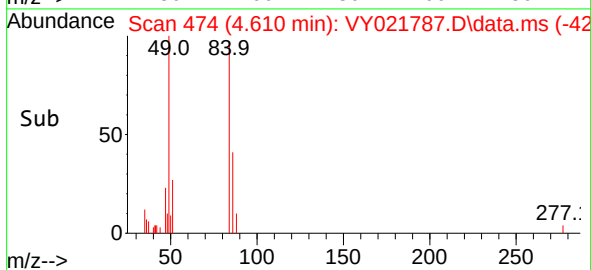
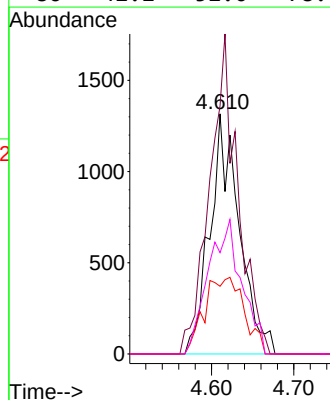
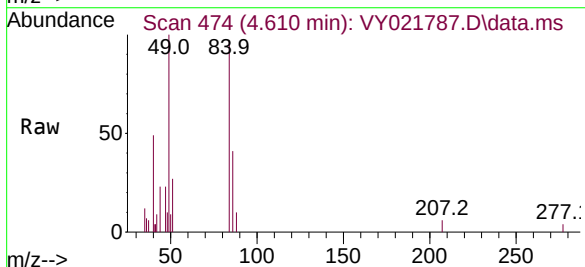
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

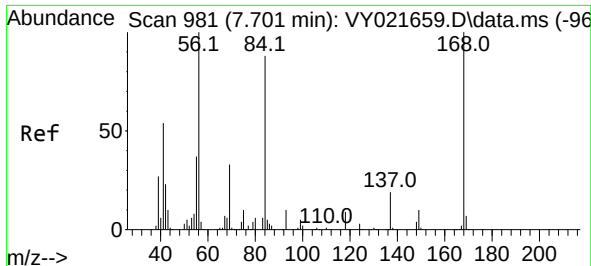
Tgt Ion: 43 Resp: 13685
Ion Ratio Lower Upper
43 100
58 33.0 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion: 84 Resp: 3259
Ion Ratio Lower Upper
84 100
49 103.3 102.8 154.2
51 28.2 33.5 50.3#
86 42.2 52.0 78.0#

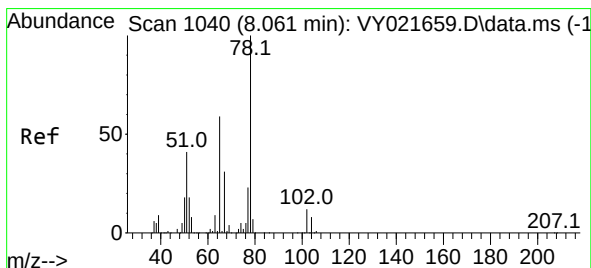
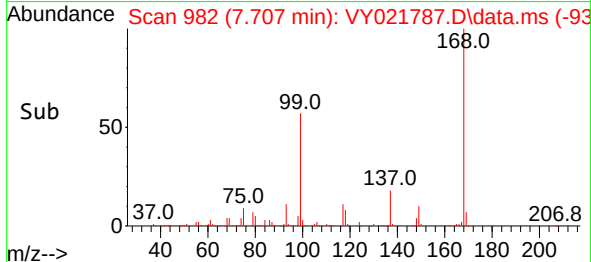
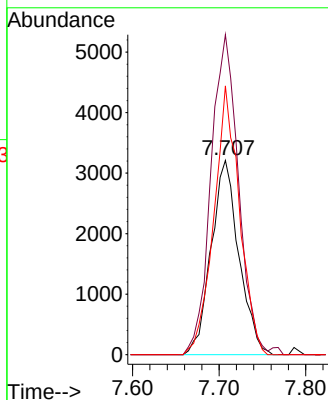
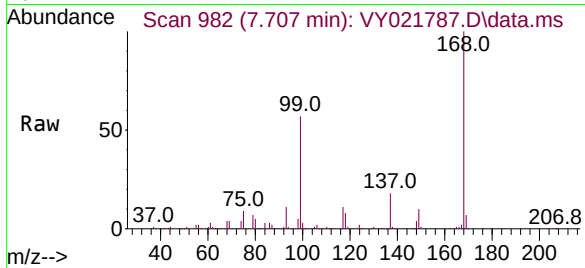




#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

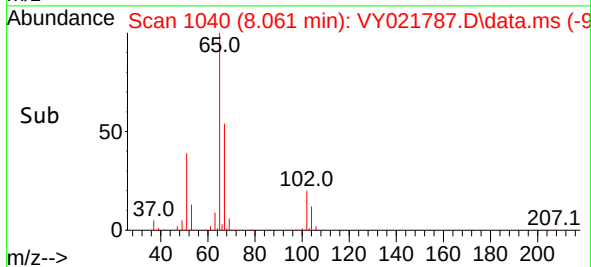
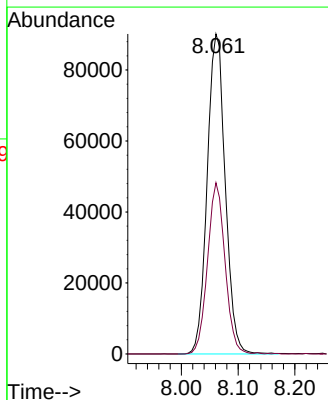
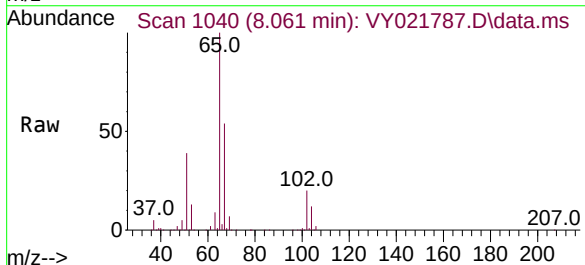
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

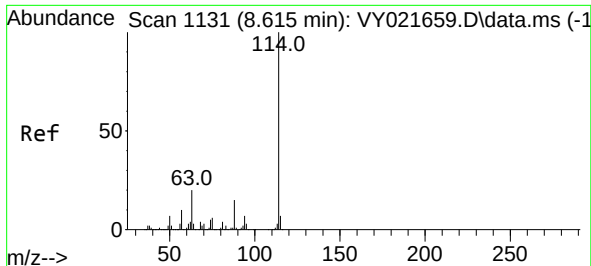
Tgt Ion: 56 Resp: 7142
Ion Ratio Lower Upper
56 100
69 164.7 26.6 40.0#
84 138.4 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 59.116 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion: 65 Resp: 199571
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-24-040325

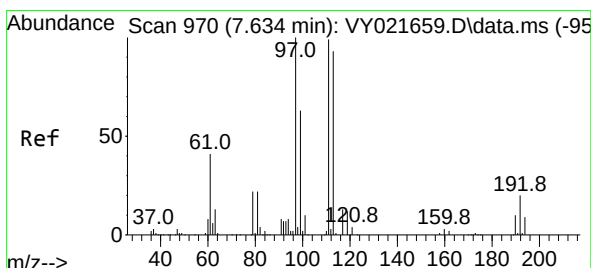
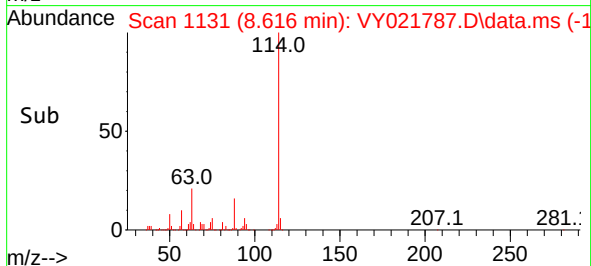
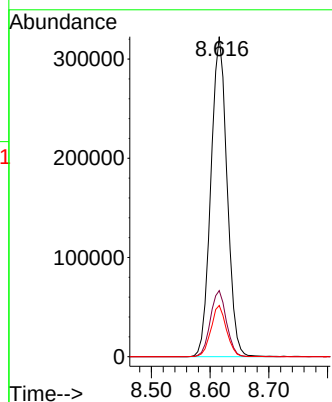
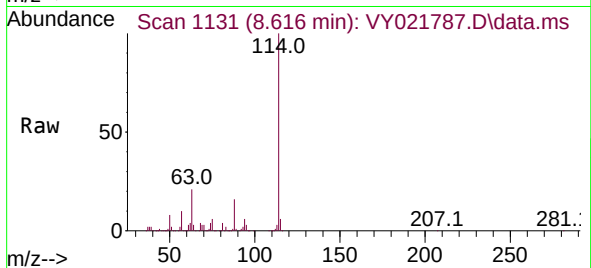
Tgt Ion:114 Resp: 616656

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 16.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.907 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

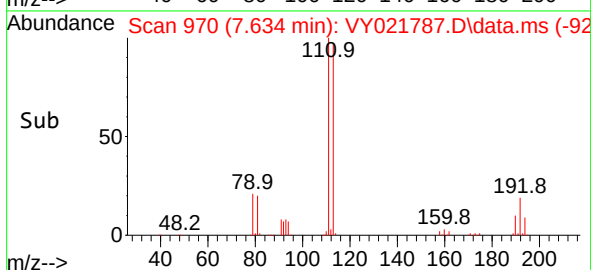
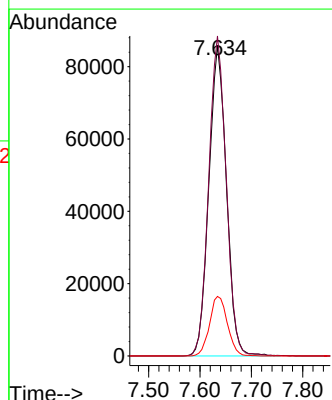
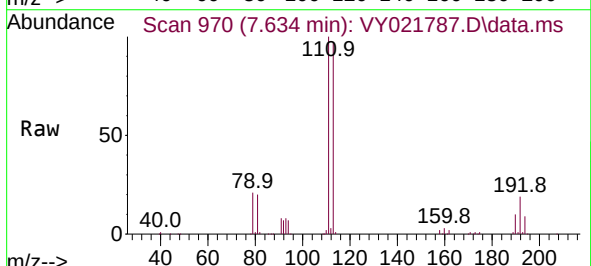
Tgt Ion:113 Resp: 203635

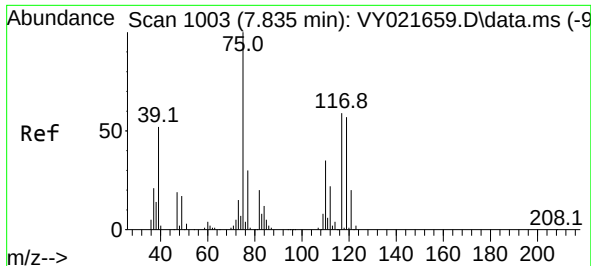
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 19.5 16.2 24.4

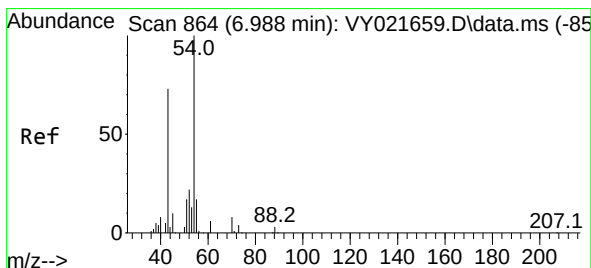
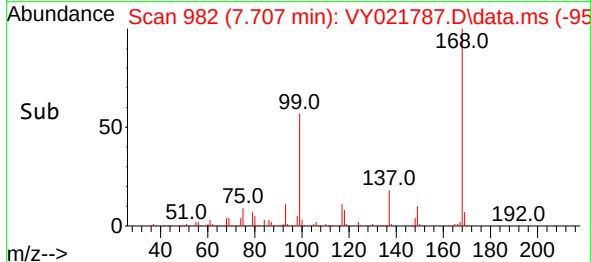
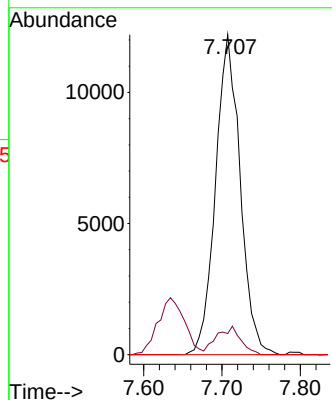
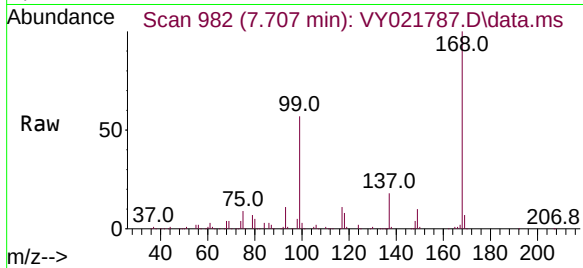




#36
1,1-Dichloropropene
Concen: 4.369 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

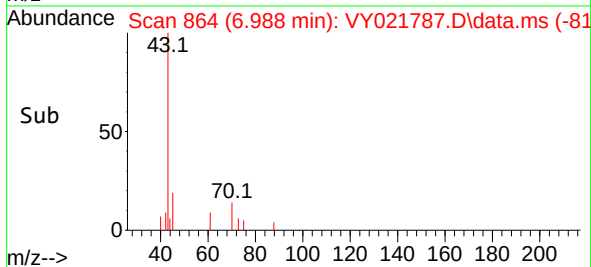
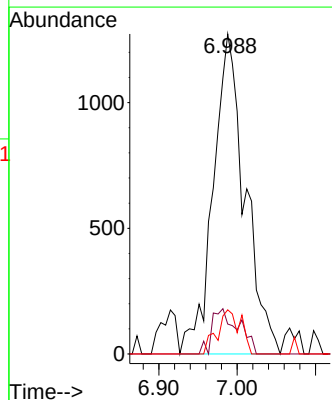
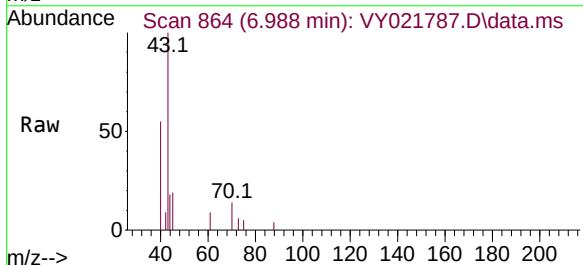
Instrument :
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OU4-PCS-TC-24-040325

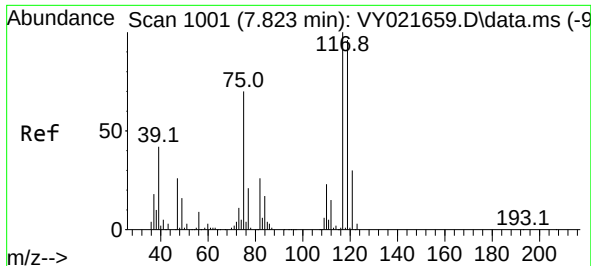
Tgt Ion: 75 Resp: 26617
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.245 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion: 43 Resp: 3581
Ion Ratio Lower Upper
43 100
61 11.8 11.0 16.6
70 10.2 8.1 12.1

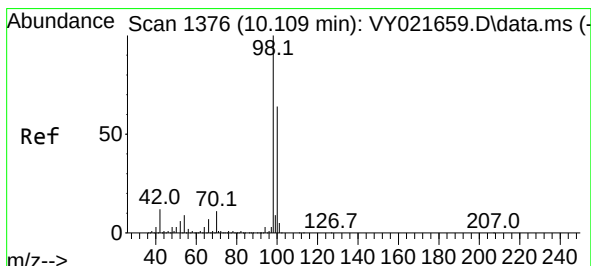
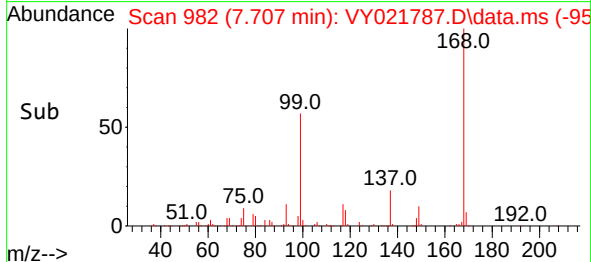
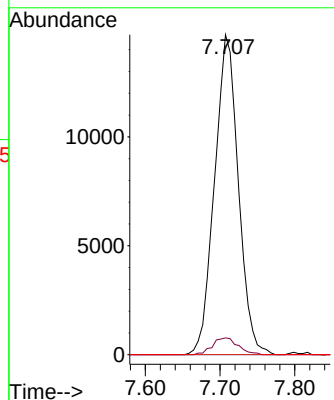
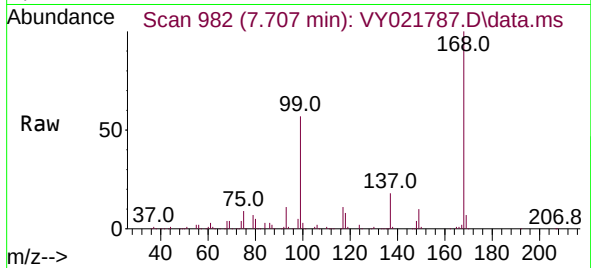




#38
Carbon Tetrachloride
Concen: 4.667 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

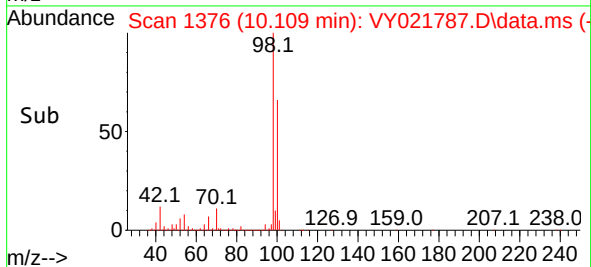
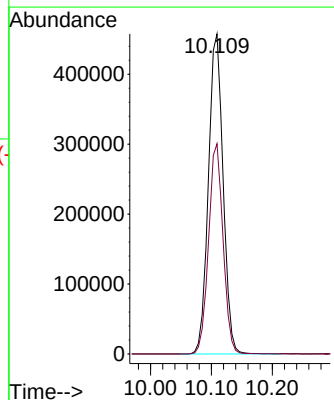
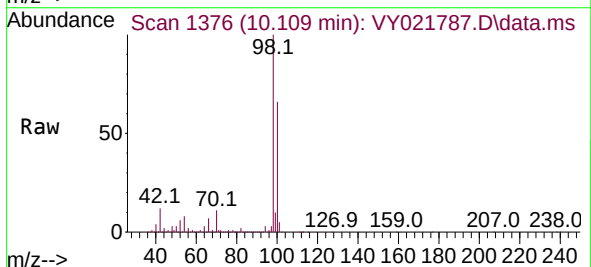
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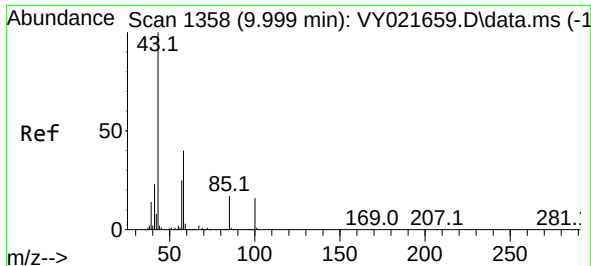
Tgt Ion:117 Resp: 32566
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.402 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion: 98 Resp: 767004
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.177 ug/l

RT: 10.103 min Scan# 1358

Delta R.T. 0.104 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

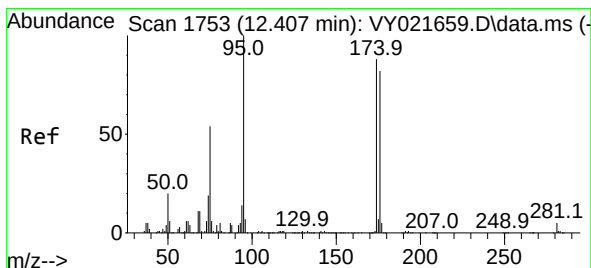
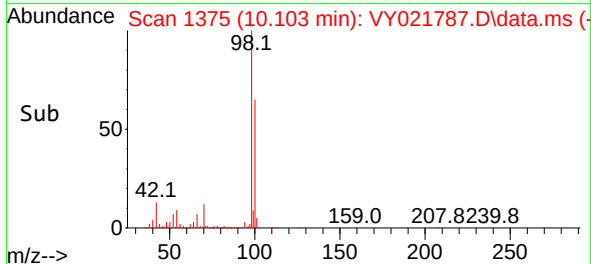
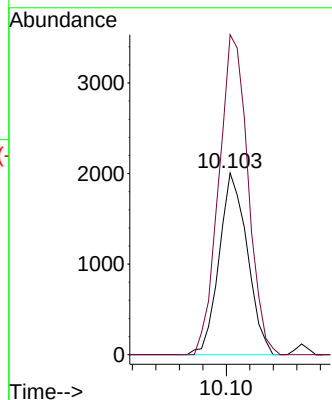
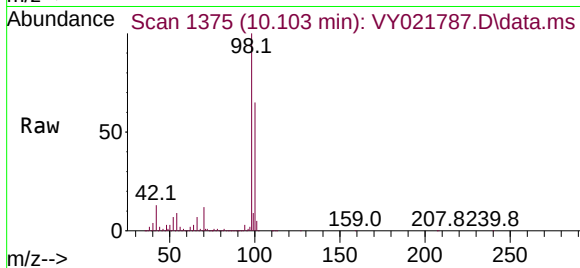
OU4-PCS-TC-24-040325

Tgt Ion: 43 Resp: 3339

Ion Ratio Lower Upper

43 100

58 182.2 31.5 47.3#



#62

4-Bromofluorobenzene

Concen: 49.459 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021787.D

Acq: 04 Apr 2025 15:47

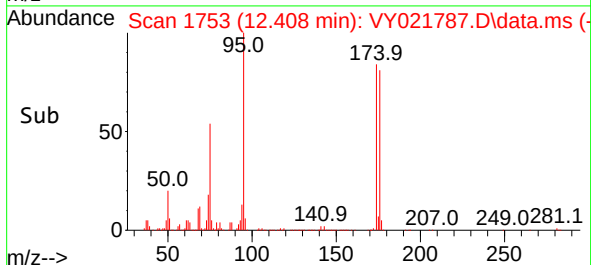
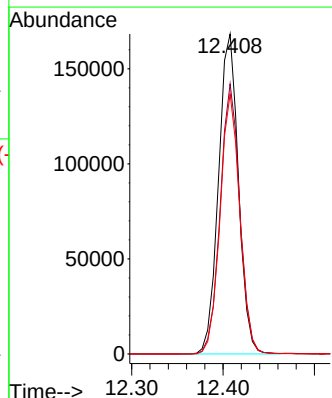
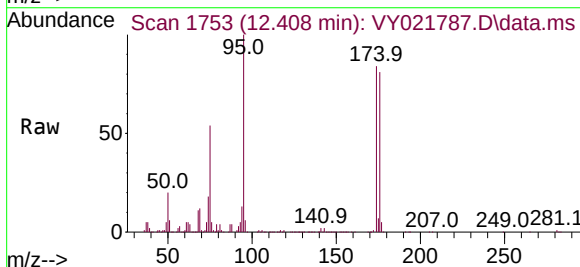
Tgt Ion: 95 Resp: 254584

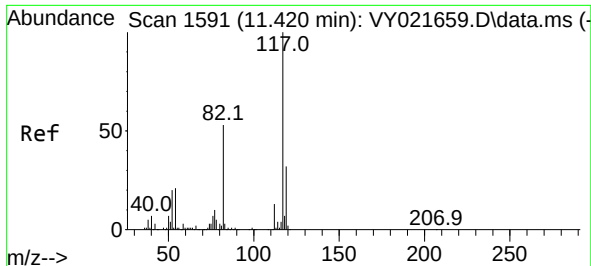
Ion Ratio Lower Upper

95 100

174 83.4 0.0 170.8

176 80.3 0.0 162.0

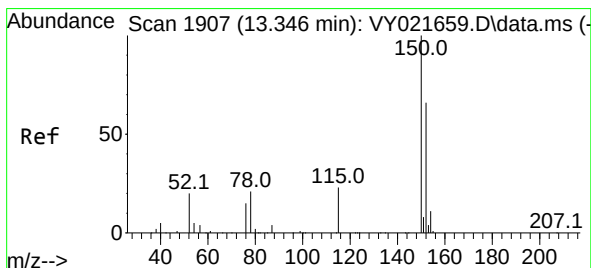
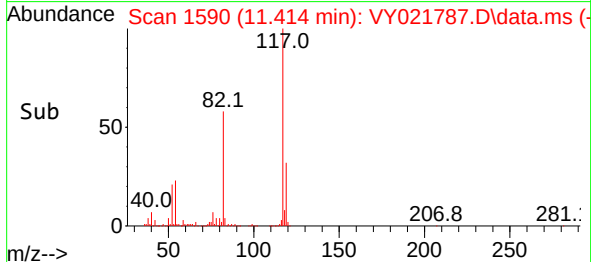
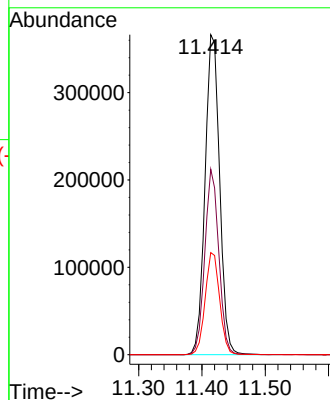
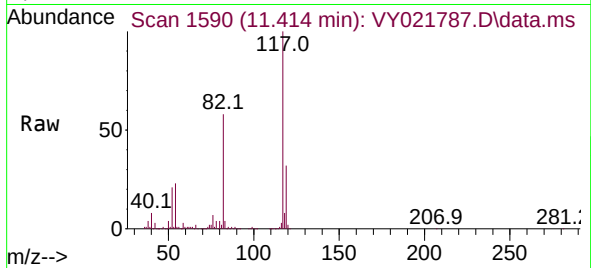




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

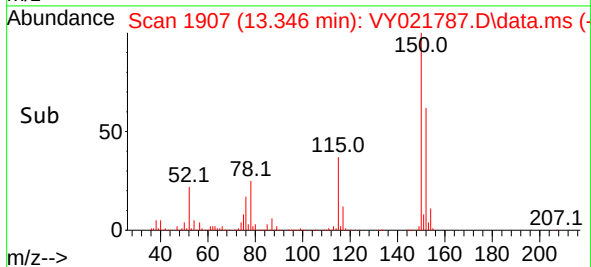
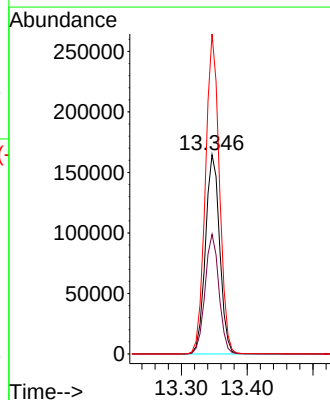
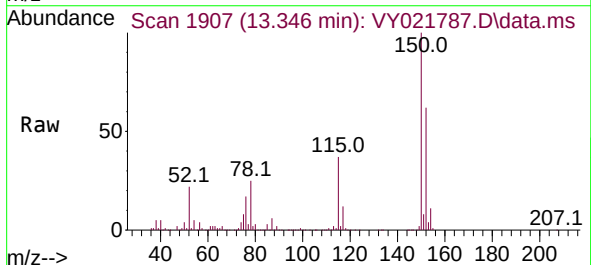
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

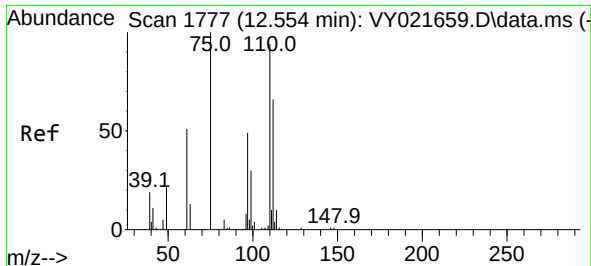
Tgt Ion:117 Resp: 588608
Ion Ratio Lower Upper
117 100
82 58.0 42.8 64.2
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion:152 Resp: 247734
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.5
150 157.4 0.0 348.4

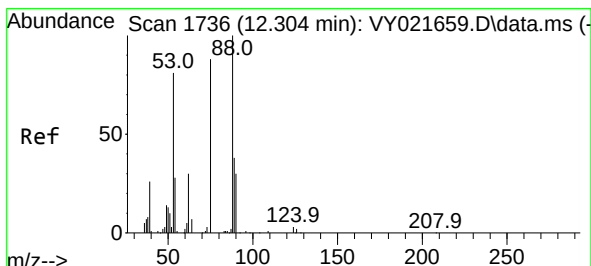
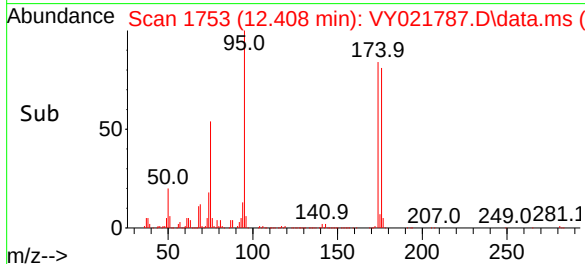
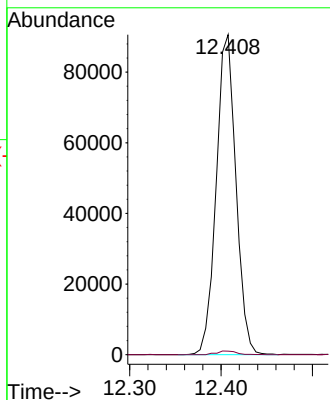
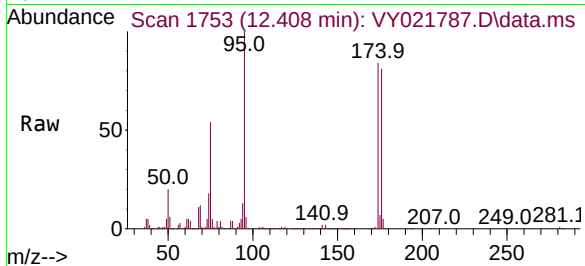




#76
1,2,3-Trichloropropane
Concen: 55.263 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-24-040325

Tgt Ion: 75 Resp: 135708
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.335 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021787.D
Acq: 04 Apr 2025 15:47

Tgt Ion: 75 Resp: 135708
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 36.2 54.4#

