

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021717.D
 Acq On : 31 Mar 2025 14:14
 Operator : SY/MD
 Sample : Q1671-03
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Apr 01 05:36:49 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	209388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	399133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	376455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	154305	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136900	60.344	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.680%
35) Dibromofluoromethane	7.634	113	139507	53.882	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.760%
50) Toluene-d8	10.109	98	490664	49.815	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.620%
62) 4-Bromofluorobenzene	12.408	95	158141	47.466	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.940%

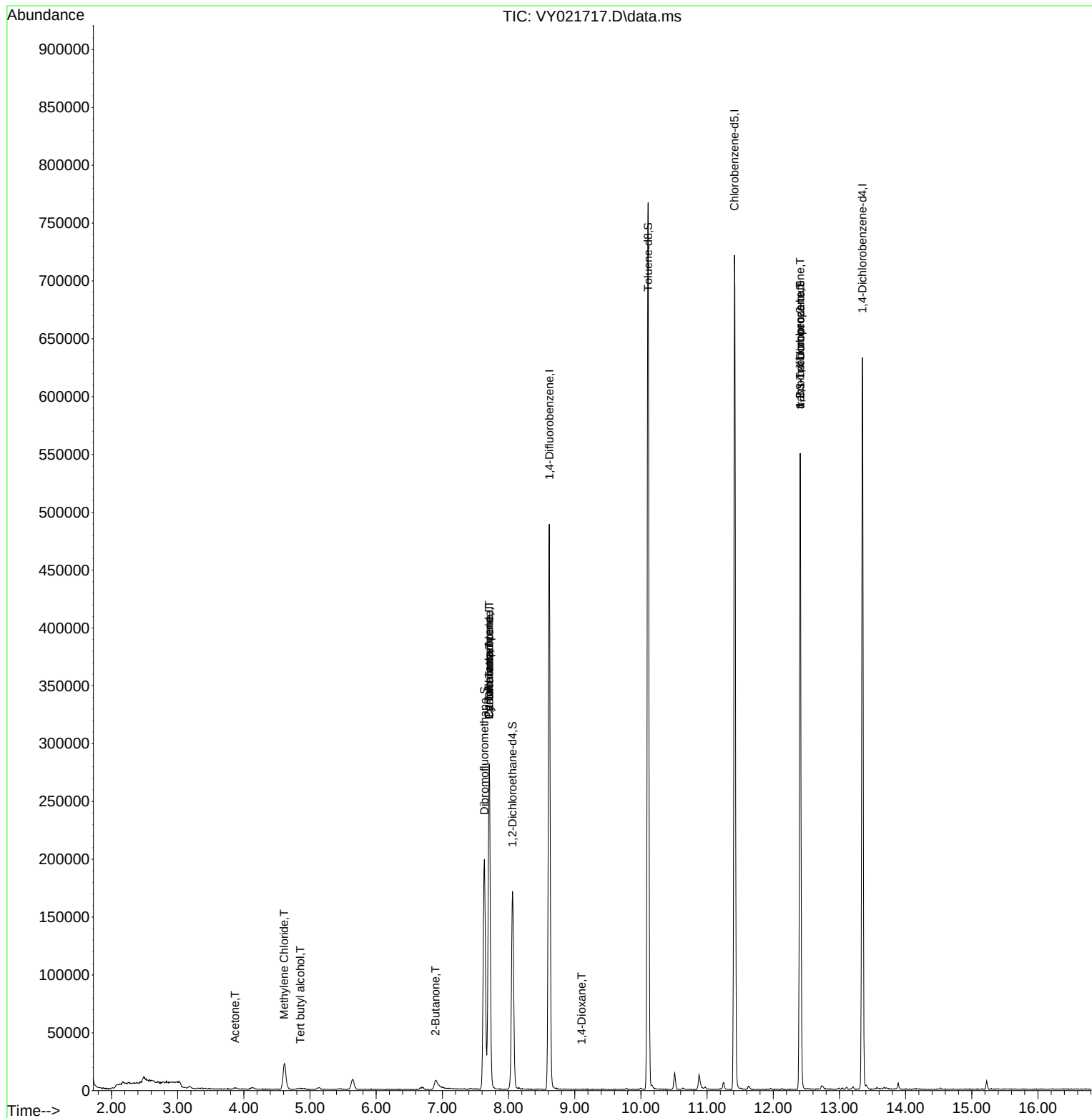
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.854	59	644	4.370	ug/l #	70
16) Acetone	3.867	43	2277	4.904	ug/l	97
20) Methylene Chloride	4.610	84	15548	3.225	ug/l #	93
25) 2-Butanone	6.897	43	840	1.267	ug/l #	89
31) Cyclohexane	7.707	56	4967	1.240	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17815	4.517	ug/l #	50
38) Carbon Tetrachloride	7.707	117	21529	4.766	ug/l #	16
49) 1,4-Dioxane	9.103	88	23	1.333	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	85134	55.659	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	85134	128.248	ug/l #	12

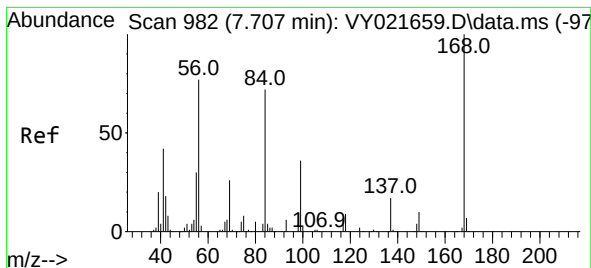
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 01 05:36:49 2025
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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY021717.D

Acq: 31 Mar 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

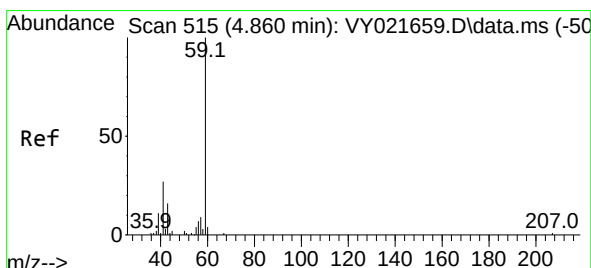
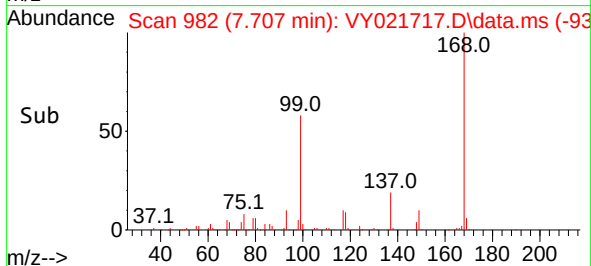
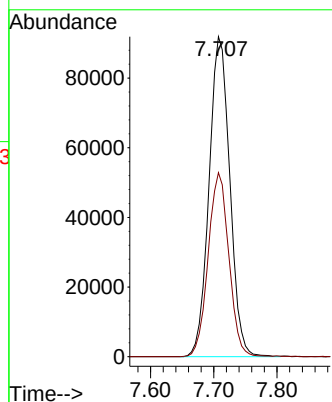
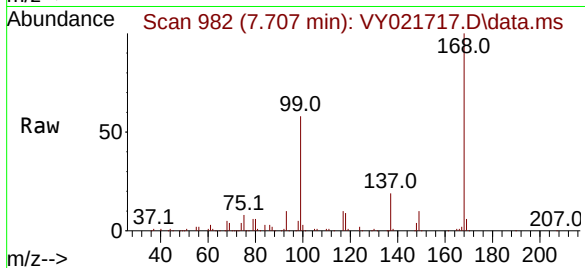
WC-1-VOC

Tgt Ion:168 Resp: 209388

Ion Ratio Lower Upper

168 100

99 57.5 46.7 70.1



#11

Tert butyl alcohol

Concen: 4.370 ug/l

RT: 4.854 min Scan# 514

Delta R.T. -0.006 min

Lab File: VY021717.D

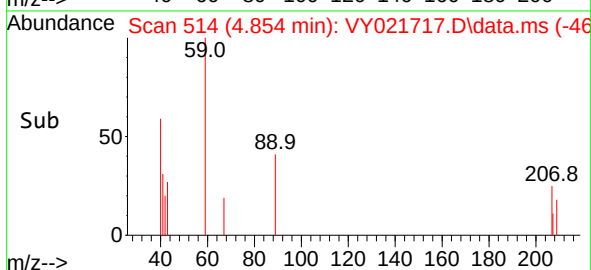
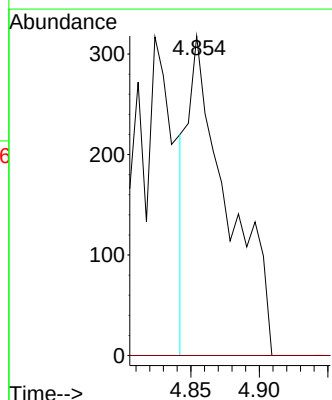
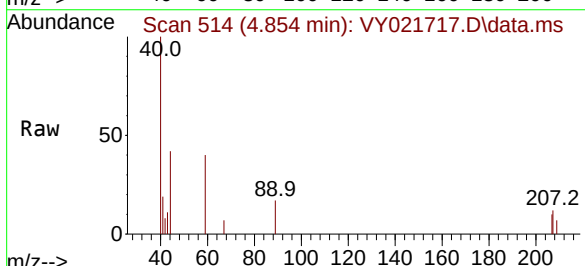
Acq: 31 Mar 2025 14:14

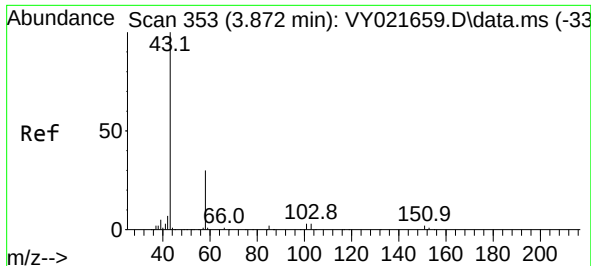
Tgt Ion: 59 Resp: 644

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#

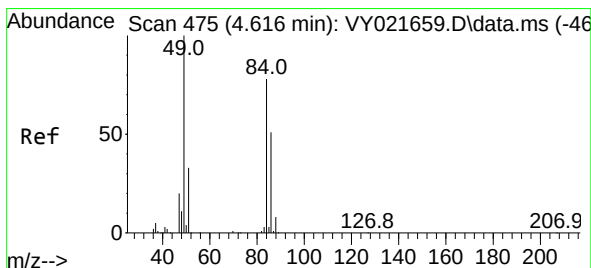
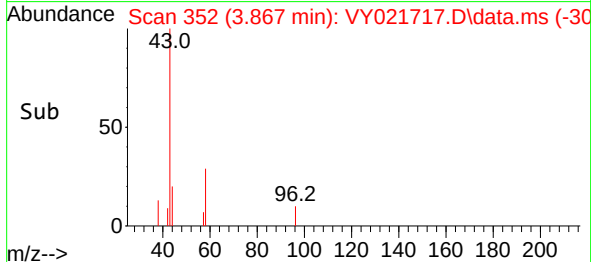
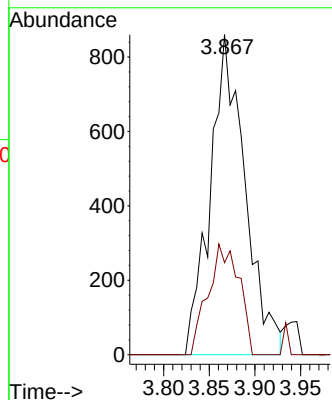
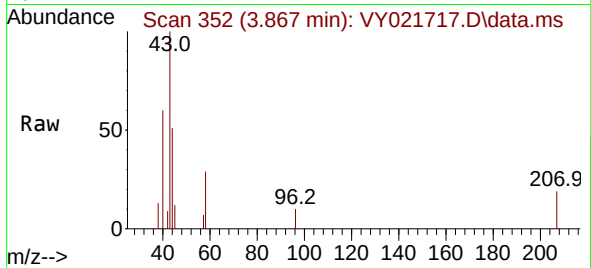




#16
Acetone
Concen: 4.904 ug/l
RT: 3.867 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

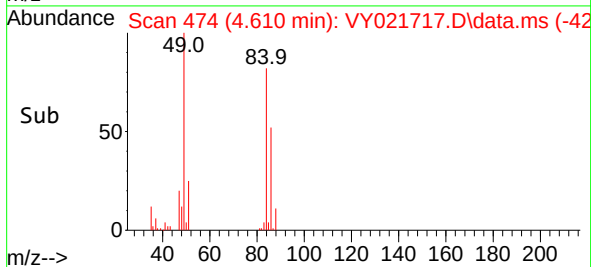
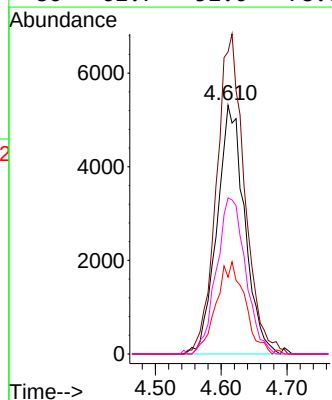
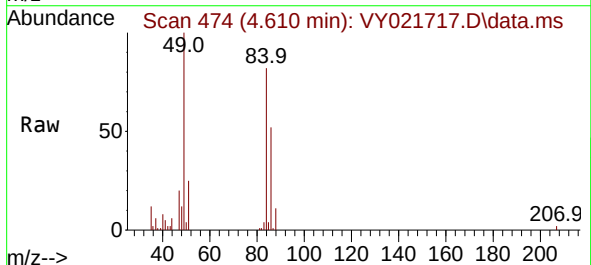
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

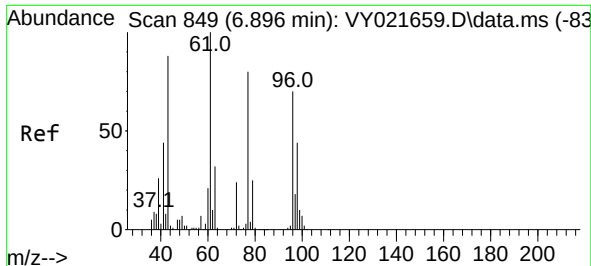
Tgt Ion: 43 Resp: 2277
Ion Ratio Lower Upper
43 100
58 28.7 24.2 36.4



#20
Methylene Chloride
Concen: 3.225 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

Tgt Ion: 84 Resp: 15548
Ion Ratio Lower Upper
84 100
49 121.5 102.8 154.2
51 30.9 33.5 50.3#
86 62.7 52.0 78.0

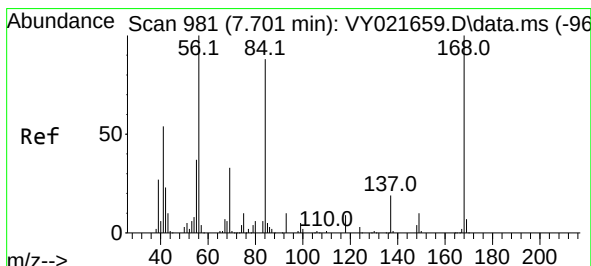
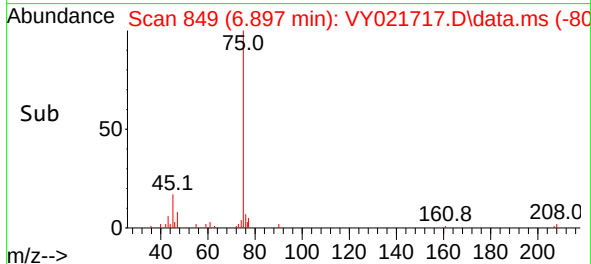
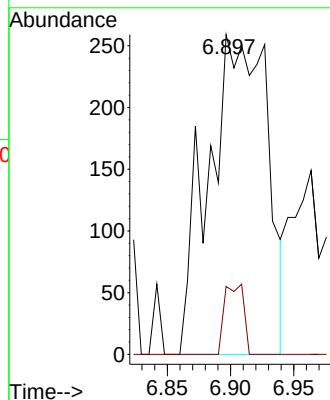
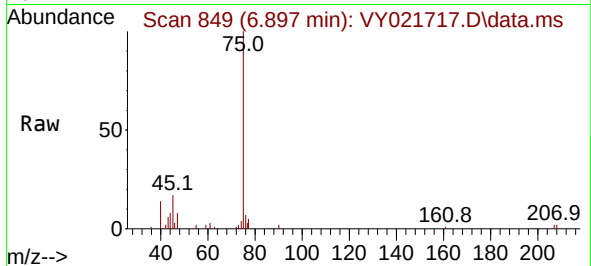




#25
2-Butanone
Concen: 1.267 ug/l
RT: 6.897 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

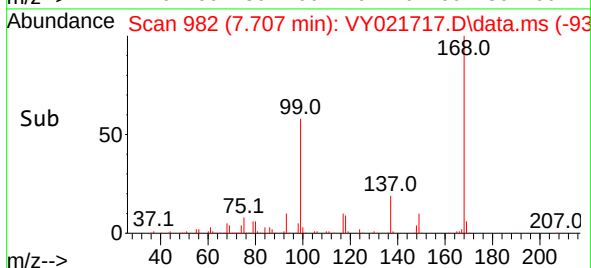
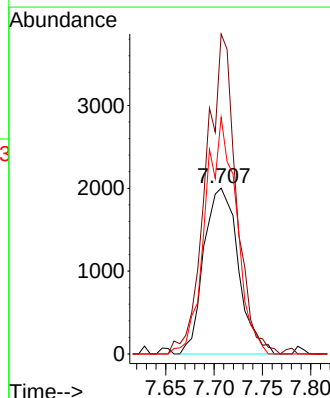
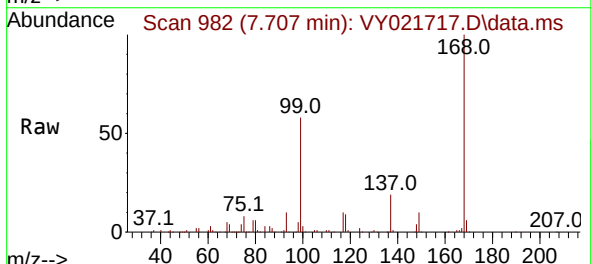
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

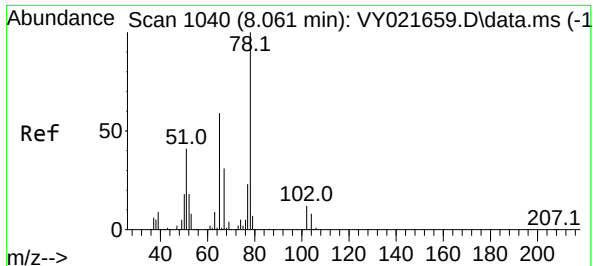
Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
72 21.2 21.4 32.2#



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

Tgt Ion: 56 Resp: 4967
Ion Ratio Lower Upper
56 100
69 193.0 26.6 40.0#
84 142.6 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 60.344 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021717.D

Acq: 31 Mar 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

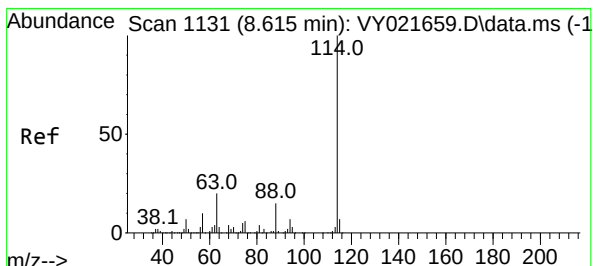
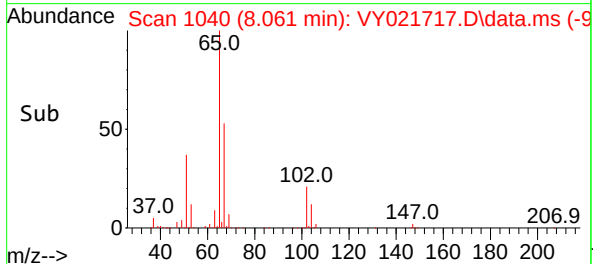
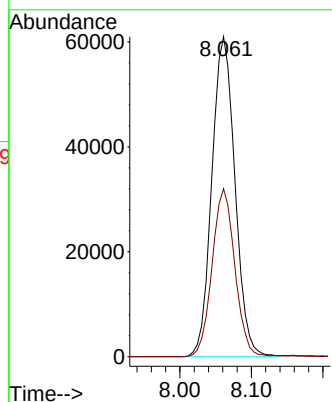
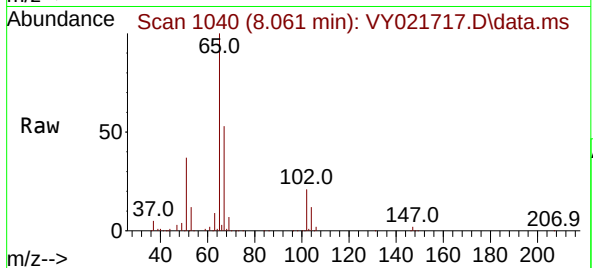
WC-1-VOC

Tgt Ion: 65 Resp: 136900

Ion Ratio Lower Upper

65 100

67 51.9 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: VY021717.D

Acq: 31 Mar 2025 14:14

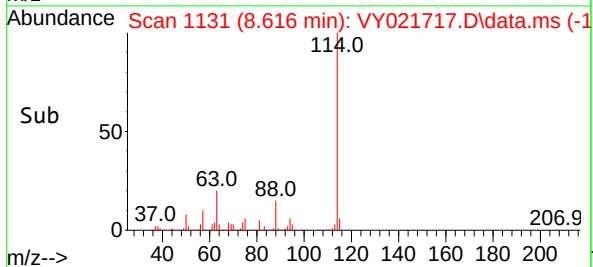
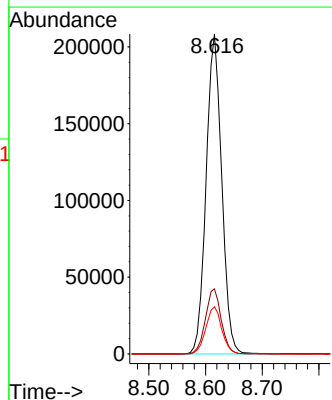
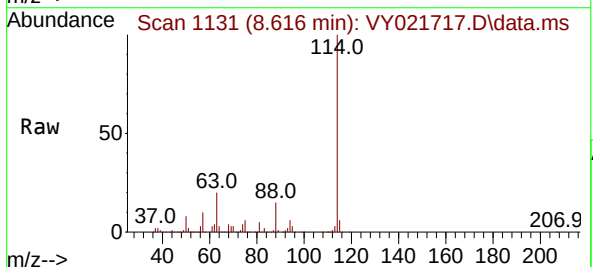
Tgt Ion: 114 Resp: 399133

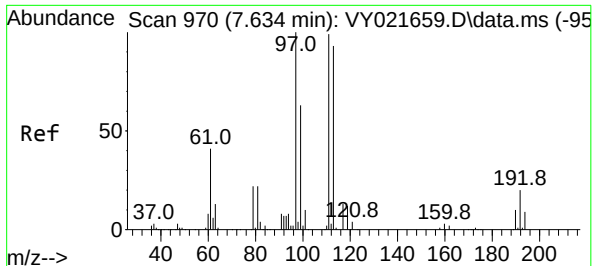
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 14.7 0.0 29.8

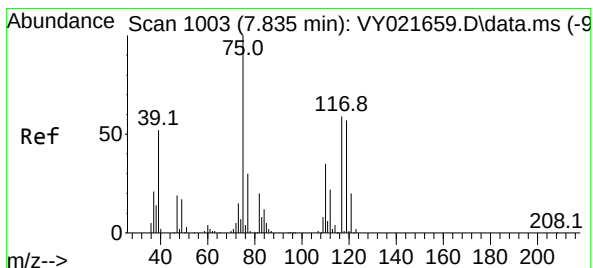
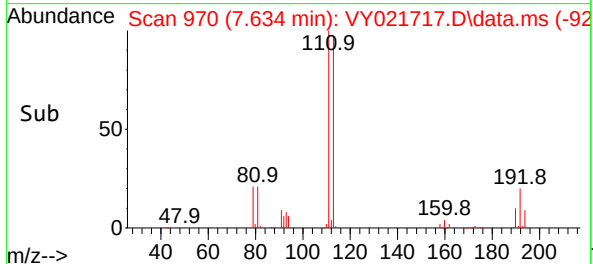
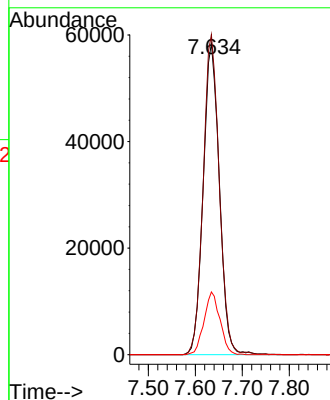
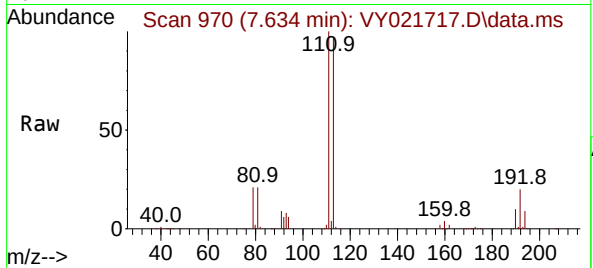




#35
Dibromofluoromethane
Concen: 53.882 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

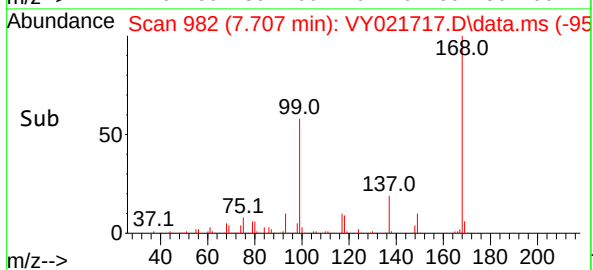
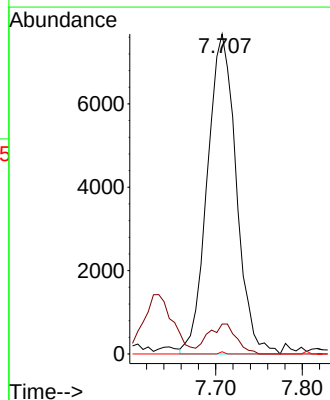
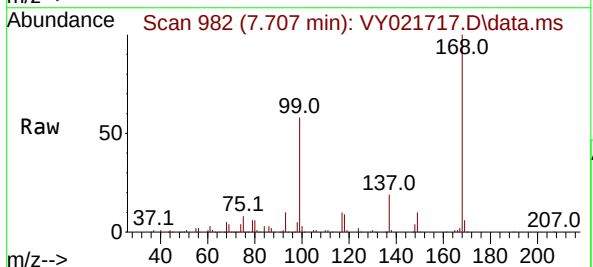
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

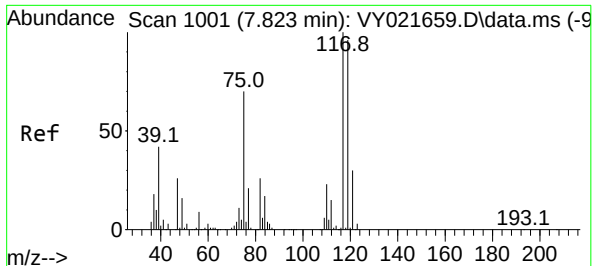
Tgt Ion:113 Resp: 139507
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 19.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.517 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

Tgt Ion: 75 Resp: 17815
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.1 24.8 37.2#

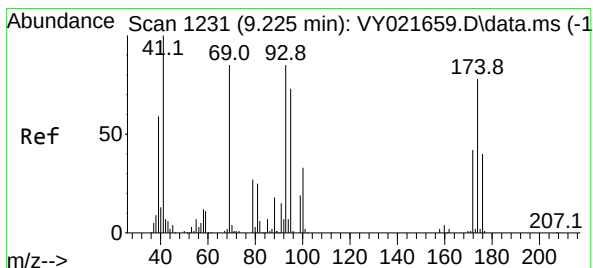
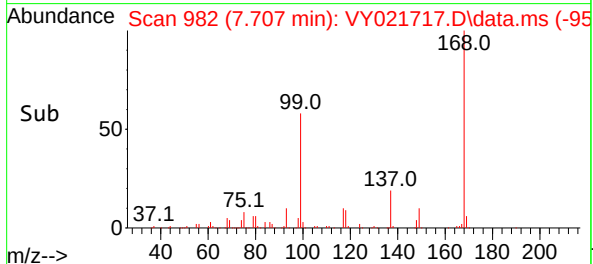
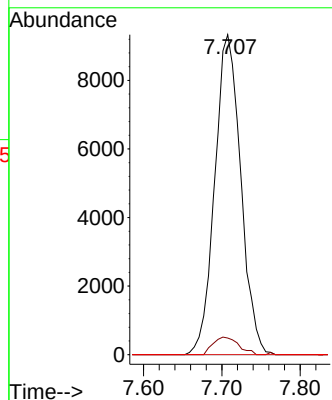
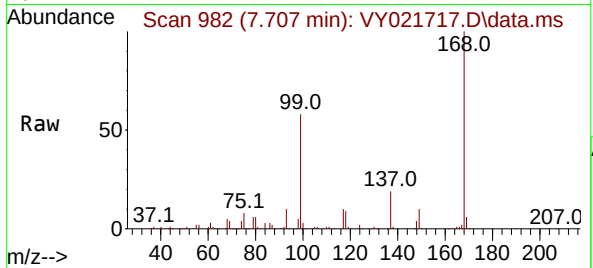




#38
Carbon Tetrachloride
Concen: 4.766 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

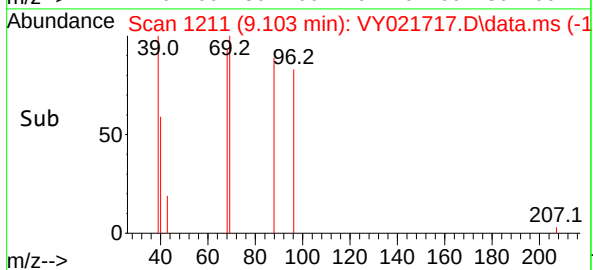
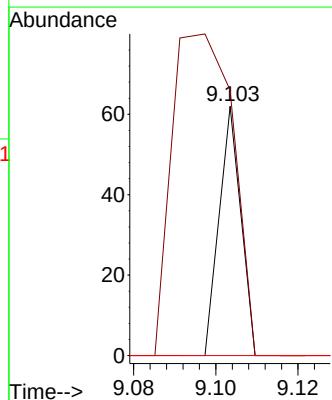
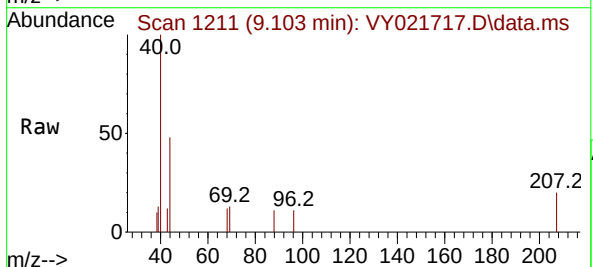
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ClientSampleId :
WC-1-VOC

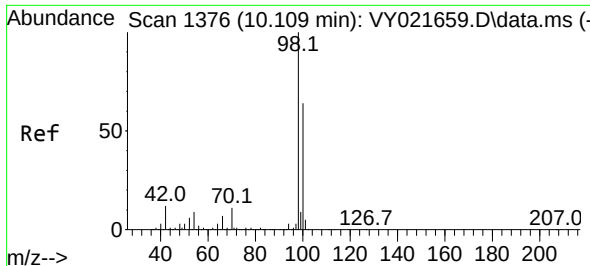
Tgt Ion:117 Resp: 21529
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 1.333 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.122 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 356.5 28.8 43.2#
58 0.0 59.4 89.2#

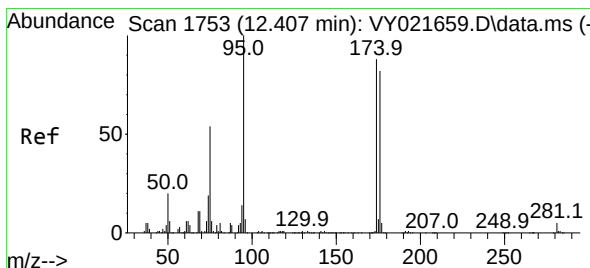
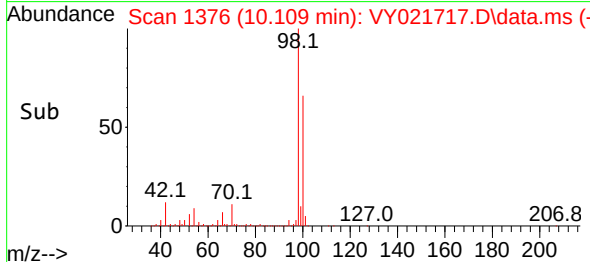
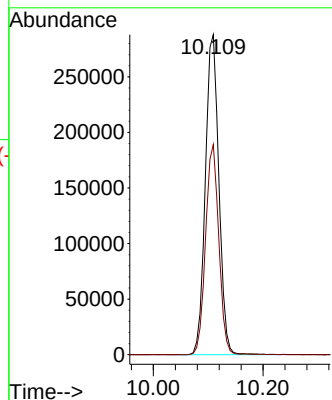
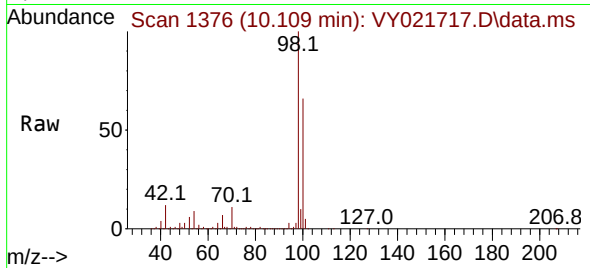




#50
Toluene-d8
Concen: 49.815 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

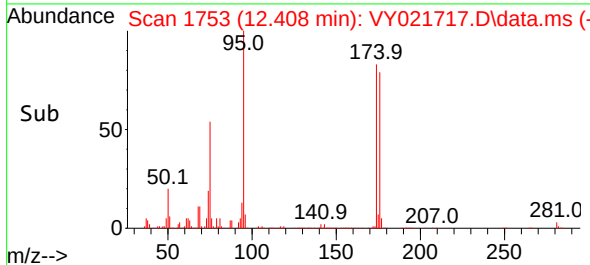
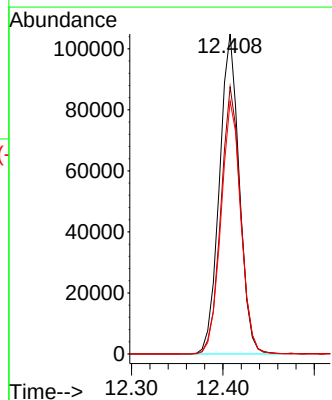
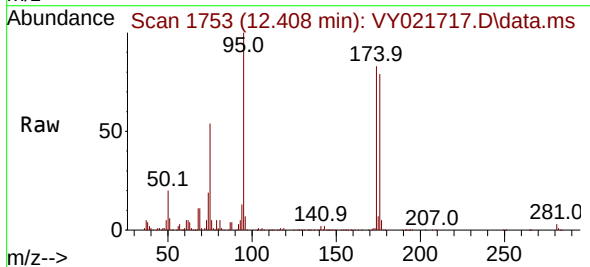
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

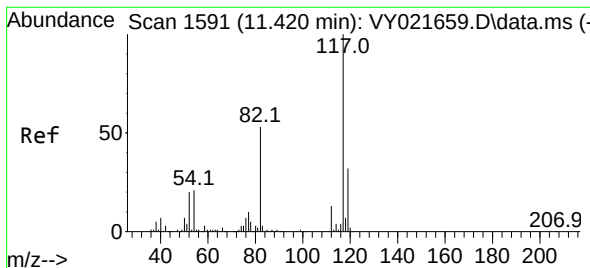
Tgt Ion: 98 Resp: 490664
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.466 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

Tgt Ion: 95 Resp: 158141
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.8
176 79.2 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: VY021717.D

Acq: 31 Mar 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

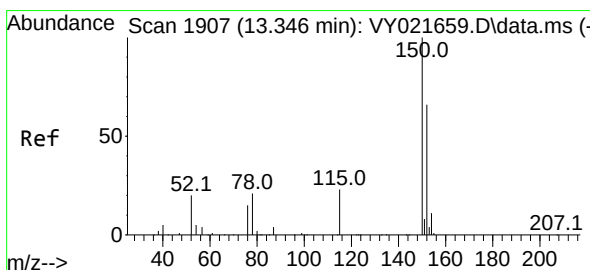
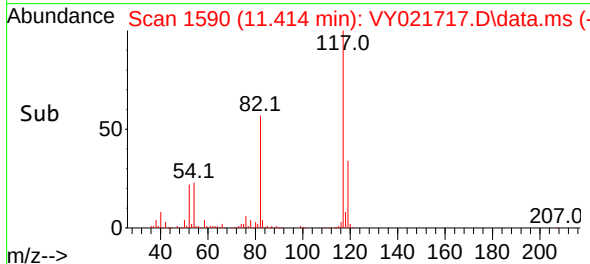
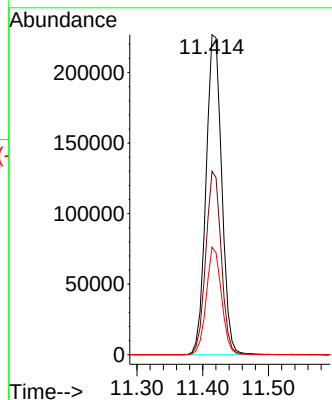
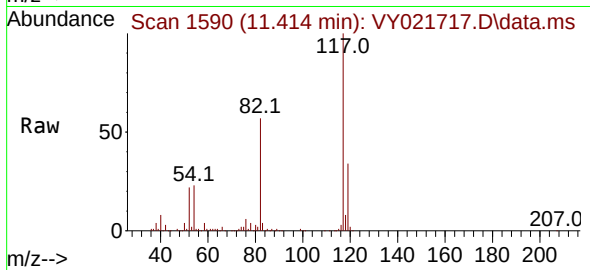
Tgt Ion:117 Resp: 376455

Ion Ratio Lower Upper

117 100

82 57.3 42.8 64.2

119 33.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021717.D

Acq: 31 Mar 2025 14:14

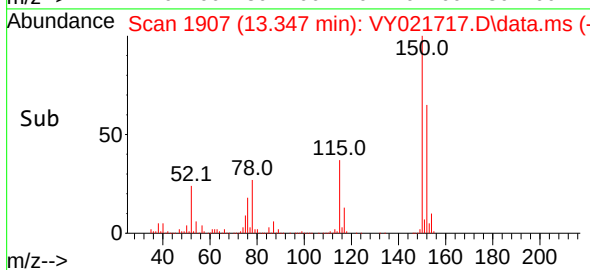
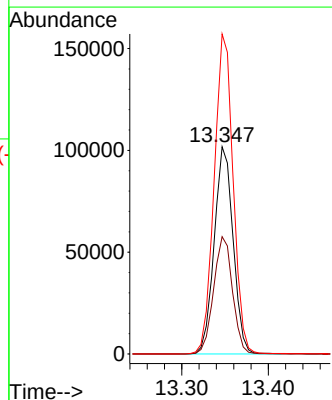
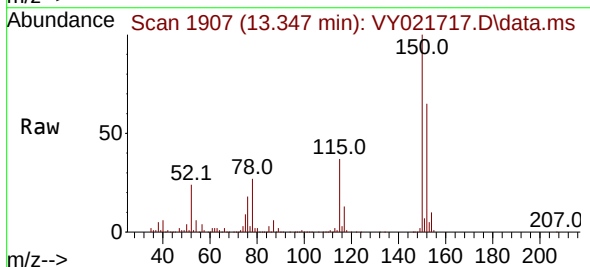
Tgt Ion:152 Resp: 154305

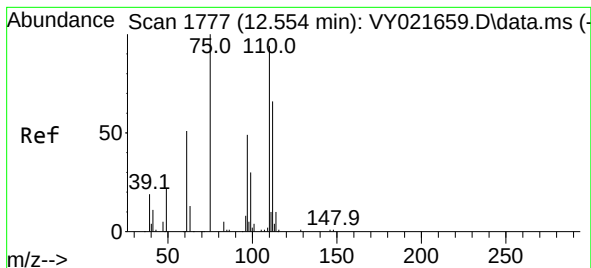
Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 155.0 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 55.659 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021717.D

Acq: 31 Mar 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

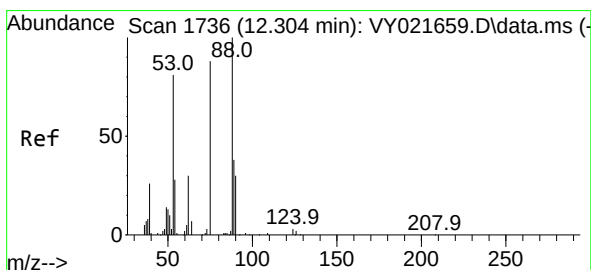
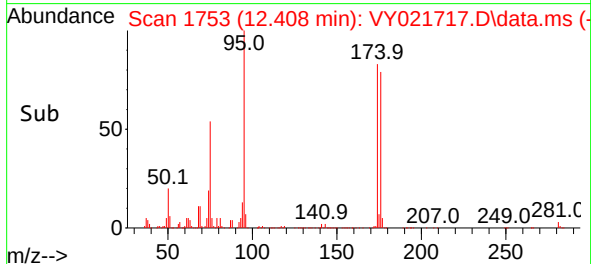
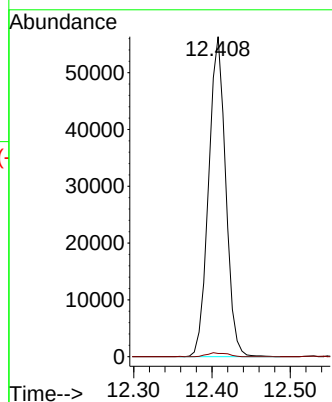
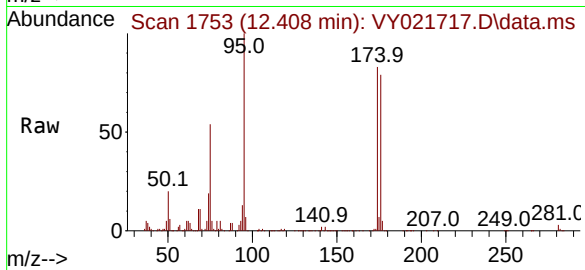
WC-1-VOC

Tgt Ion: 75 Resp: 85134

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.248 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021717.D

Acq: 31 Mar 2025 14:14

Tgt Ion: 75 Resp: 85134

Ion Ratio Lower Upper

75 100

53 0.3 76.1 114.1#

89 0.2 36.2 54.4#

