

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032625\
 Data File : VY021650.D
 Acq On : 26 Mar 2025 16:34
 Operator : SY/MD
 Sample : Q1645-07
 Misc : 4.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

Quant Time: Mar 27 01:32:53 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)

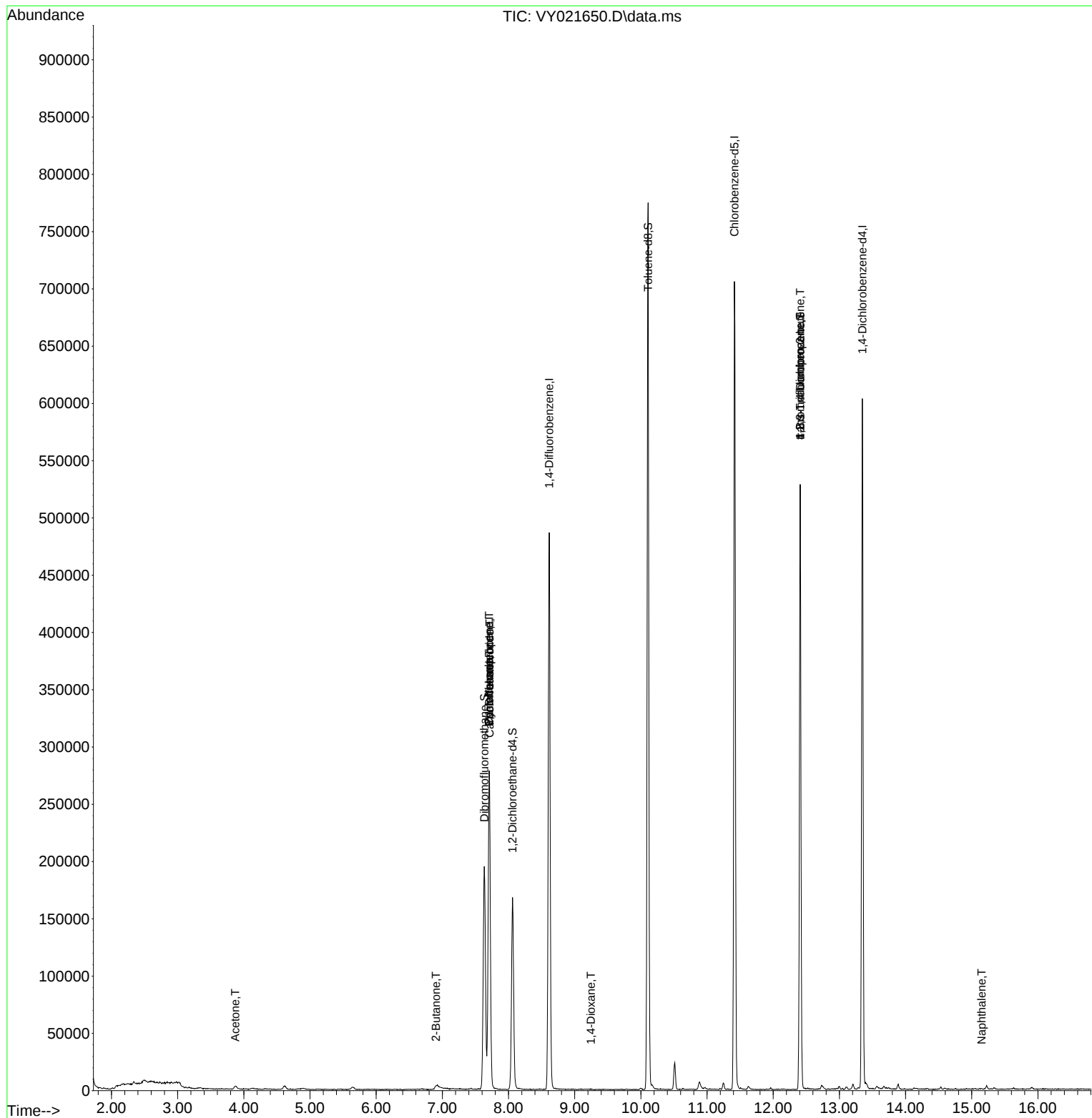
Internal Standards						
1) Pentafluorobenzene	7.707	168	209907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	398133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	366521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	147643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132093	59.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.080%			
35) Dibromofluoromethane	7.634	113	137706	52.620	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.240%			
50) Toluene-d8	10.109	98	489376	49.388	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.780%			
62) 4-Bromofluorobenzene	12.408	95	151243	44.872	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.740%			
Target Compounds						
11) Tert butyl alcohol	4.860	59	804	Below Cal	#	72
16) Acetone	3.873	43	4964	10.258	ug/l	94
25) 2-Butanone	6.902	43	735	1.098	ug/l #	48
31) Cyclohexane	7.707	56	5183	1.247	ug/l #	27
36) 1,1-Dichloropropene	7.707	75	17245	4.210	ug/l #	50
38) Carbon Tetrachloride	7.713	117	22231	4.719	ug/l #	17
49) 1,4-Dioxane	9.244	88	22	1.403	ug/l #	22
76) 1,2,3-Trichloropropane	12.408	75	81981	55.103	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	81981	125.267	ug/l #	9
95) Naphthalene	15.151	128	647	1.610	ug/l #	69

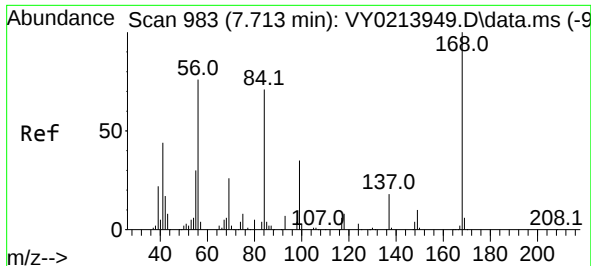
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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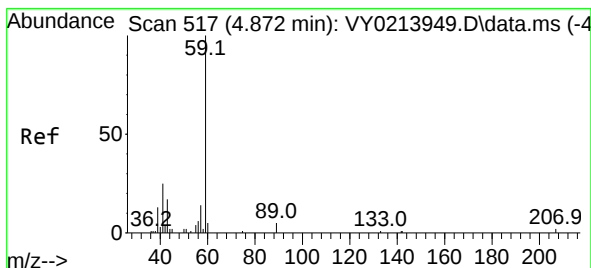
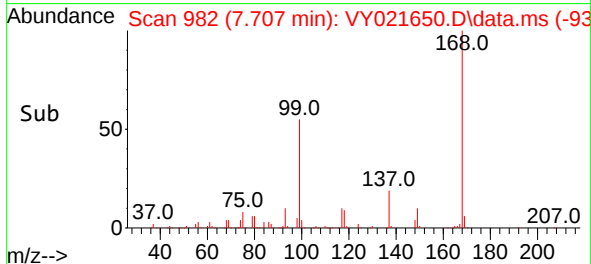
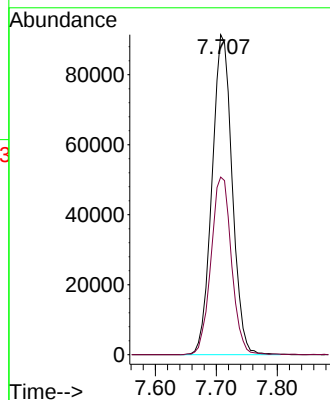
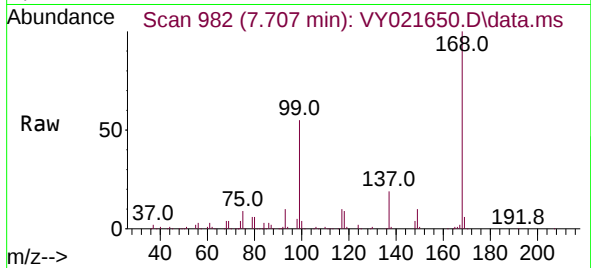




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

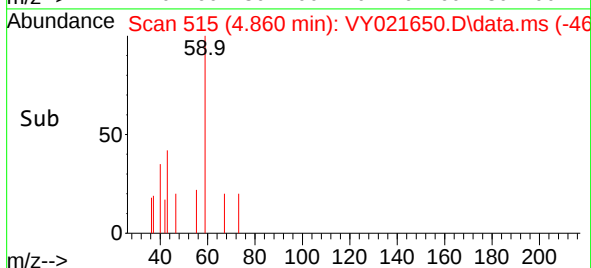
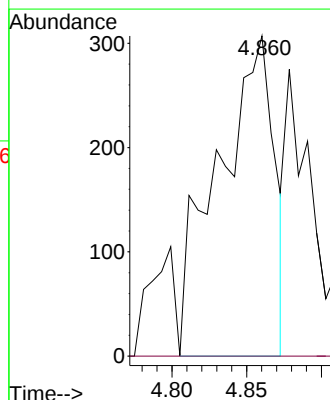
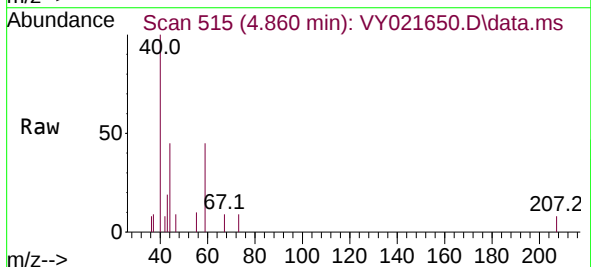
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

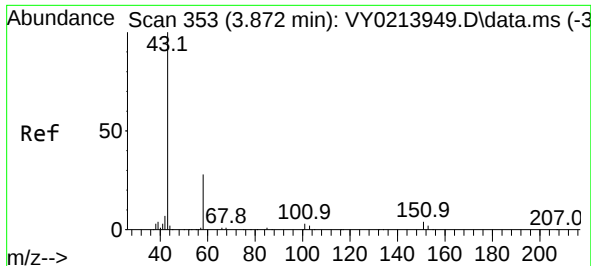
Tgt Ion:168 Resp: 209907
Ion Ratio Lower Upper
168 100
99 55.5 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

Tgt Ion: 59 Resp: 804
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

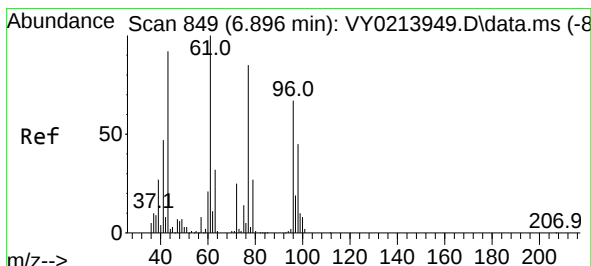
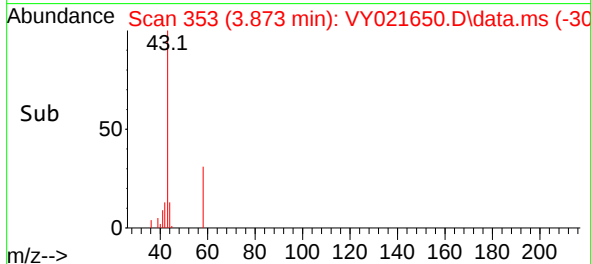
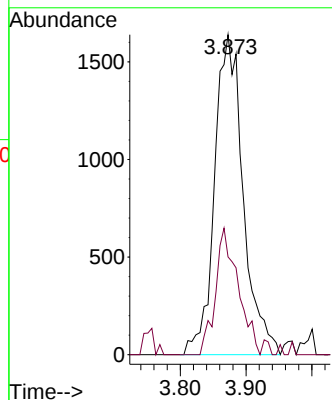
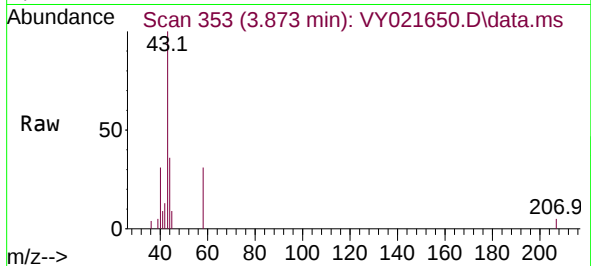




#16
Acetone
Concen: 10.258 ug/l
RT: 3.873 min Scan# 316
Delta R.T. 0.001 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

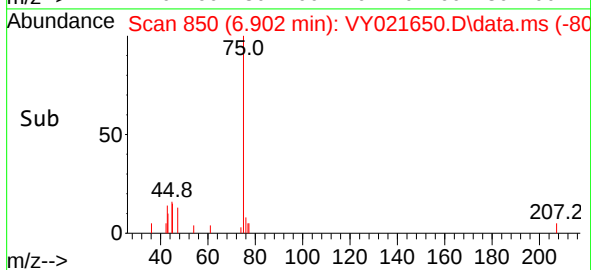
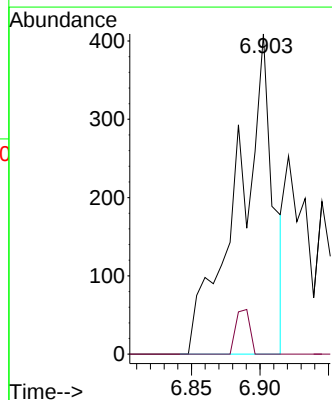
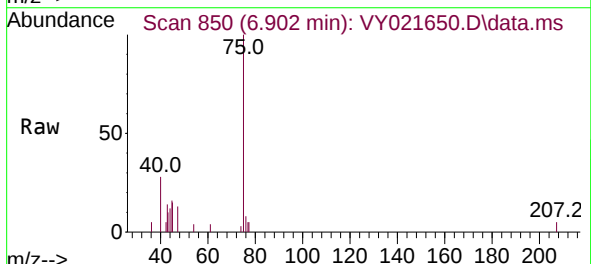
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

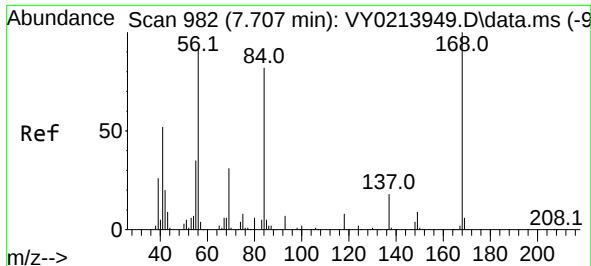
Tgt Ion: 43 Resp: 4964
Ion Ratio Lower Upper
43 100
58 30.6 22.1 33.1



#25
2-Butanone
Concen: 1.098 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#

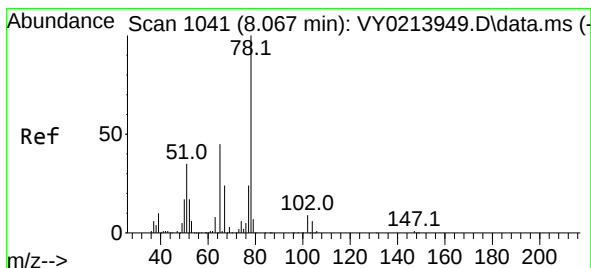
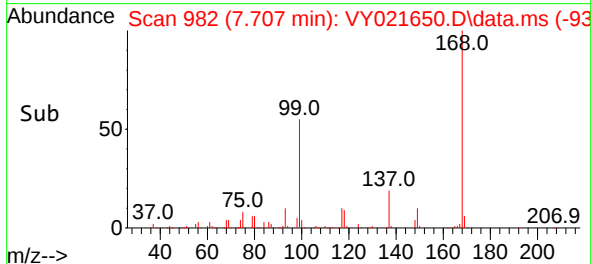
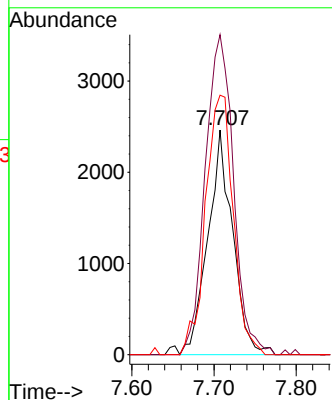
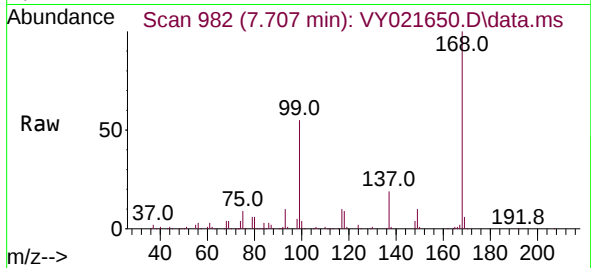




#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

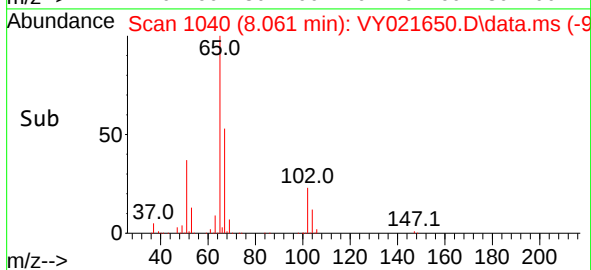
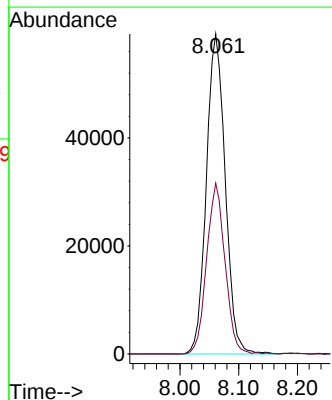
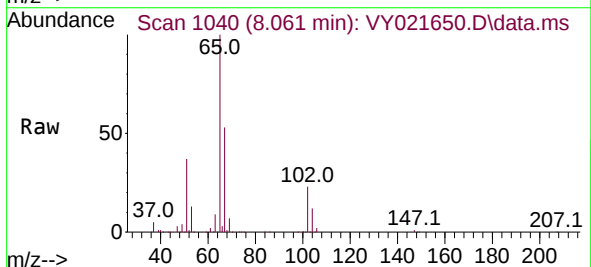
Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

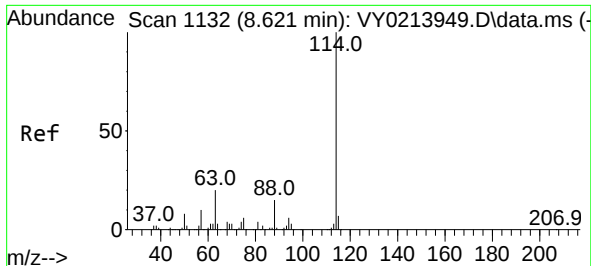
Tgt Ion: 56 Resp: 5183
Ion Ratio Lower Upper
56 100
69 142.5 27.0 40.4#
84 115.6 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 59.539 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

Tgt Ion: 65 Resp: 132093
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021650.D

Acq: 26 Mar 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

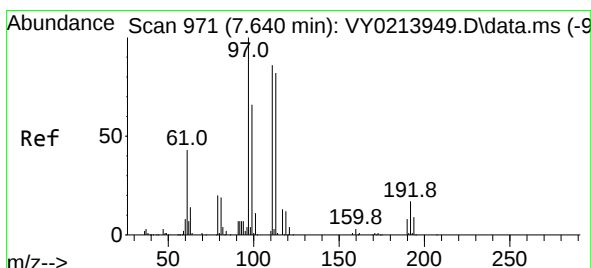
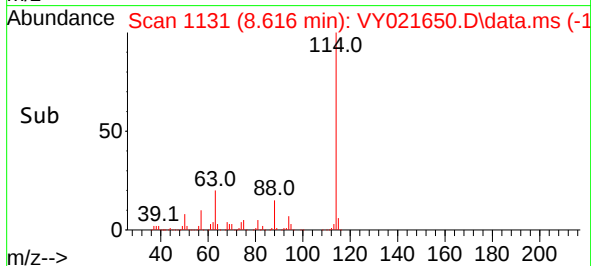
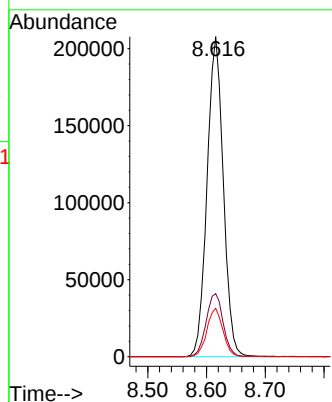
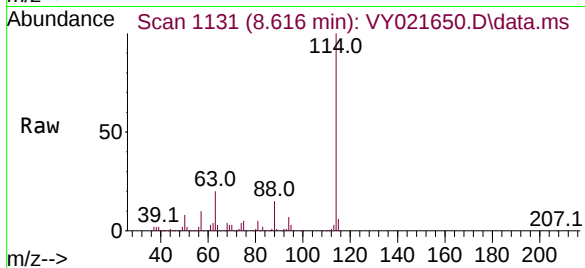
Tgt Ion:114 Resp: 398133

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

88 15.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.620 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021650.D

Acq: 26 Mar 2025 16:34

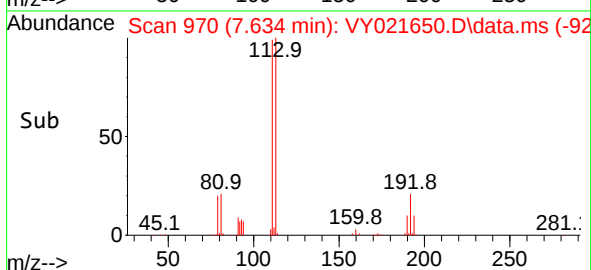
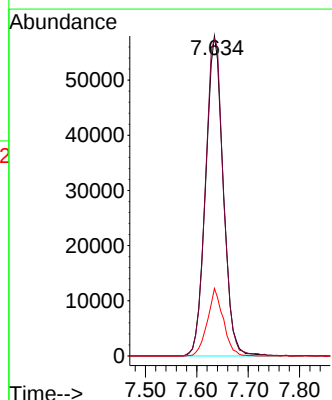
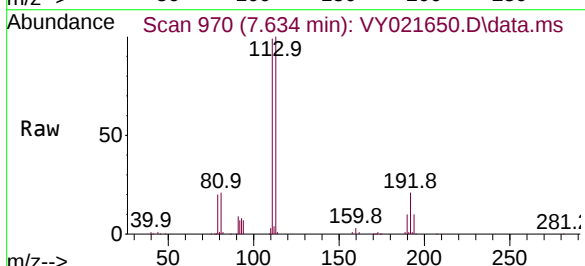
Tgt Ion:113 Resp: 137706

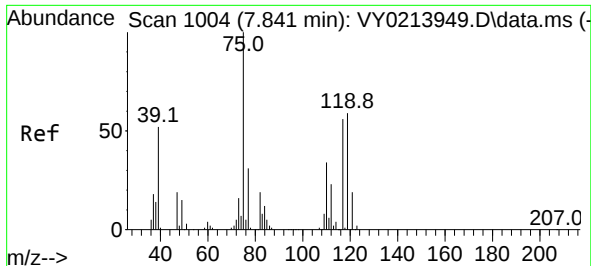
Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

192 19.1 15.9 23.9

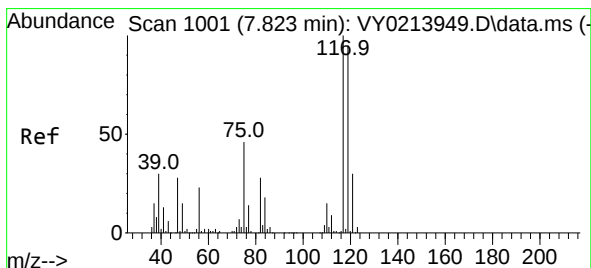
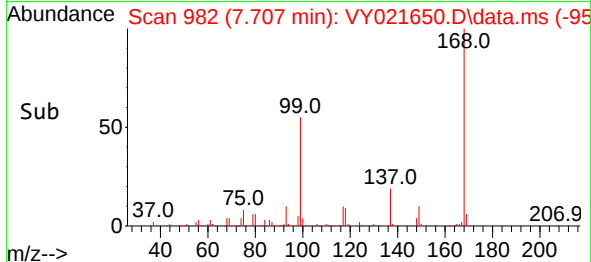
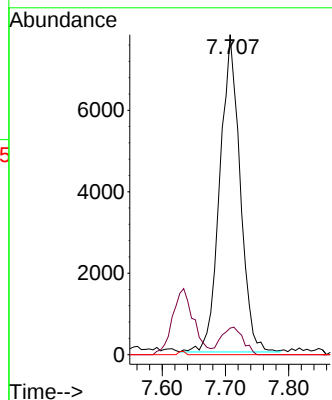
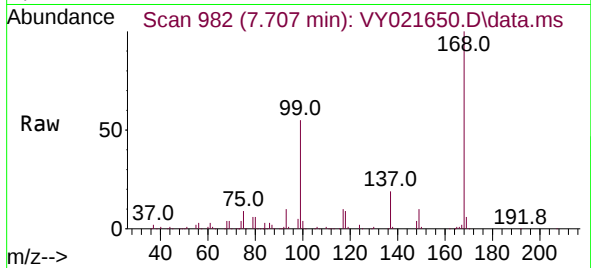




#36
1,1-Dichloropropene
Concen: 4.210 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

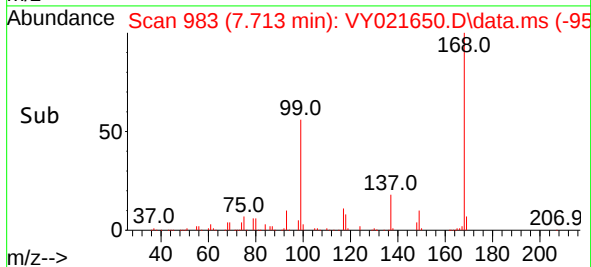
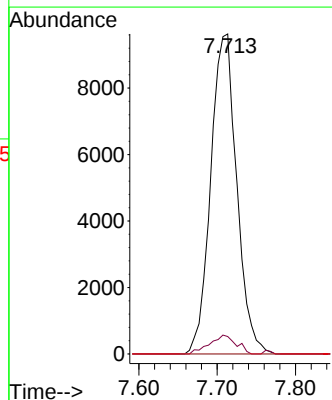
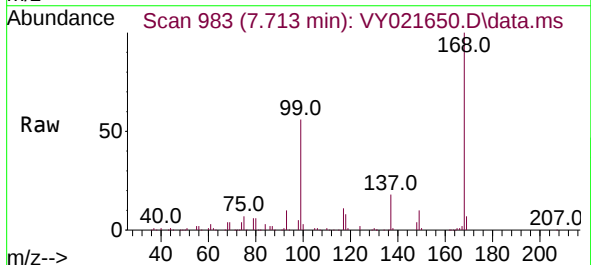
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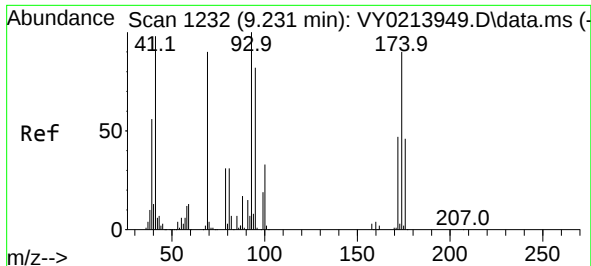
Tgt Ion: 75 Resp: 17245
Ion Ratio Lower Upper
75 100
110 9.4 17.3 51.7#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.719 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.109 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

Tgt Ion: 117 Resp: 22231
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.8#
121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 1.403 ug/l

RT: 9.244 min Scan# 1234

Delta R.T. 0.013 min

Lab File: VY021650.D

Acq: 26 Mar 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

TP-1-VOC

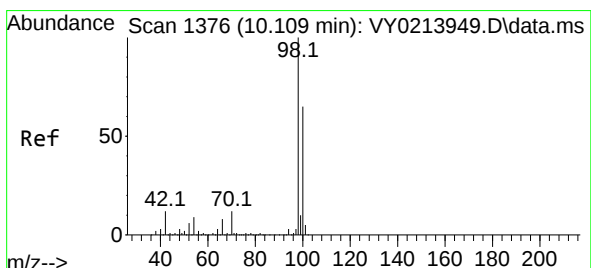
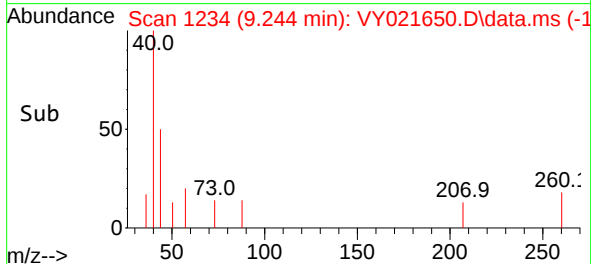
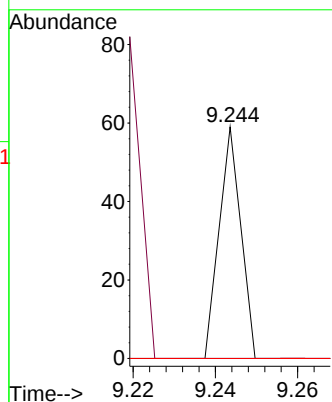
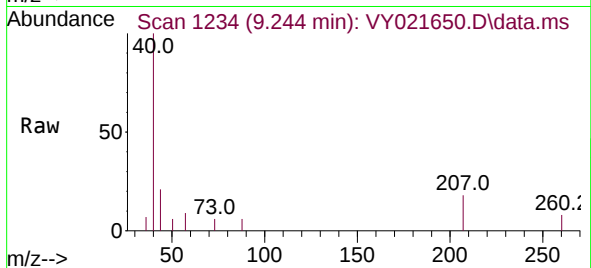
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 49.388 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021650.D

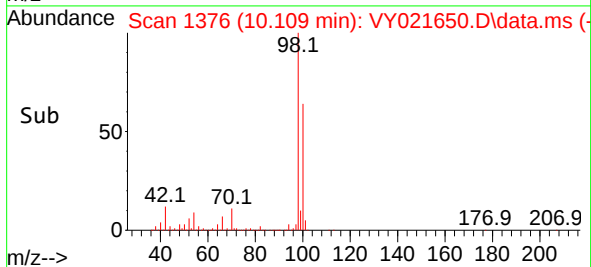
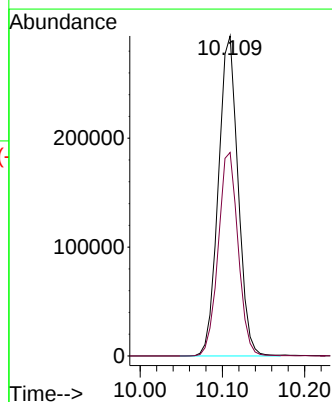
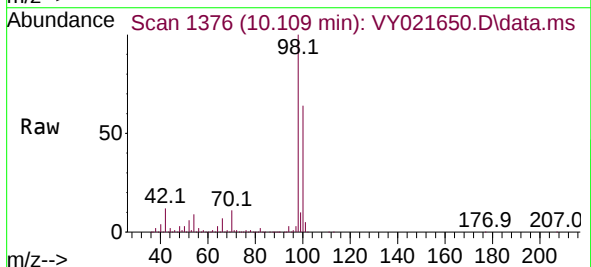
Acq: 26 Mar 2025 16:34

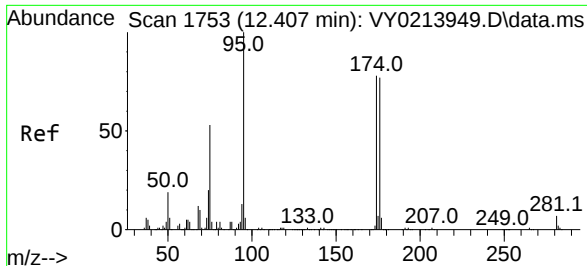
Tgt Ion: 98 Resp: 489376

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1

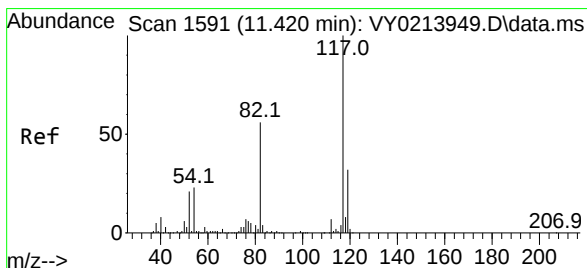
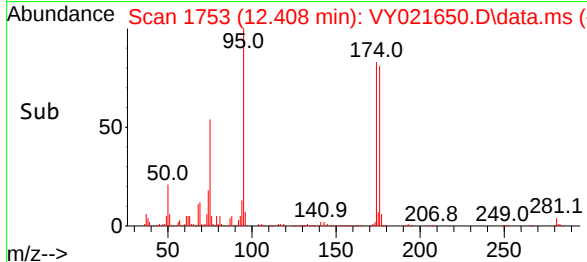
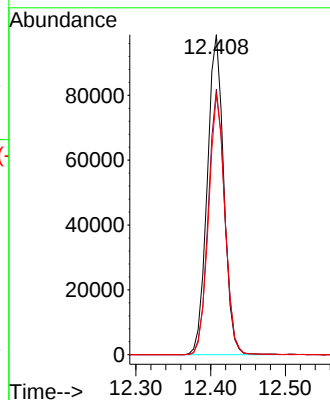
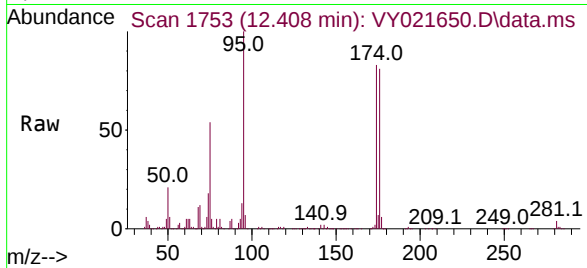




#62
4-Bromofluorobenzene
Concen: 44.872 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

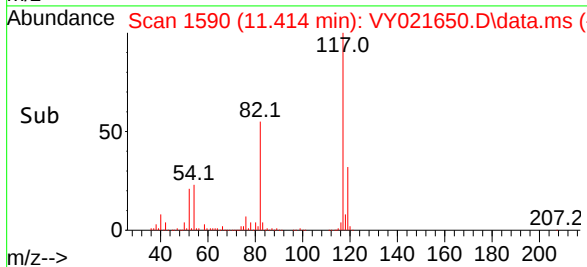
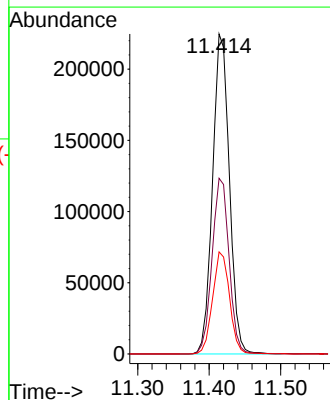
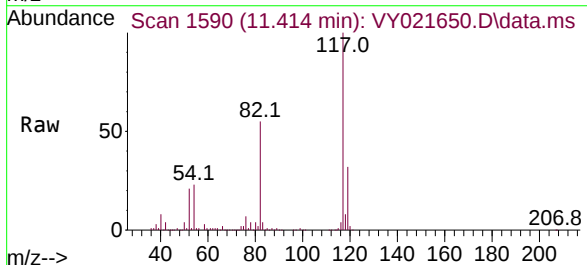
Instrument :
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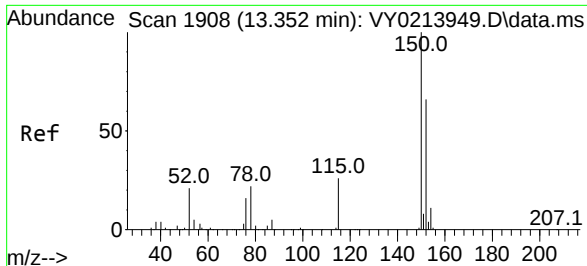
Tgt Ion: 95 Resp: 151243
Ion Ratio Lower Upper
95 100
174 82.4 0.0 165.0
176 80.4 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

Tgt Ion: 117 Resp: 366521
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 31.9 25.4 38.0

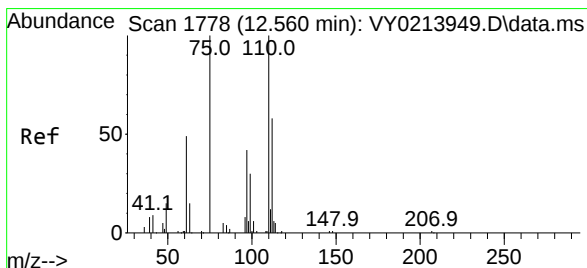
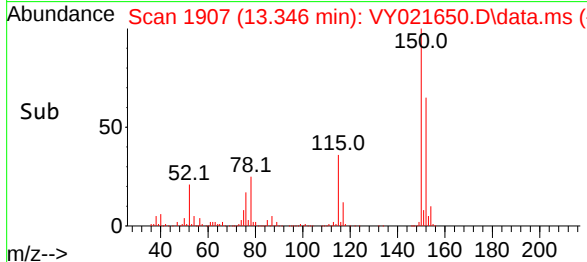
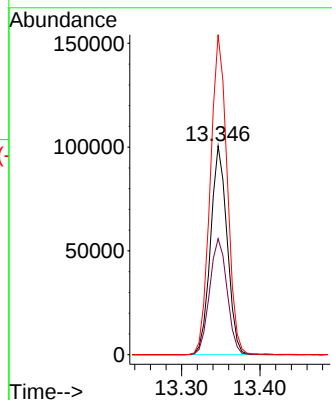
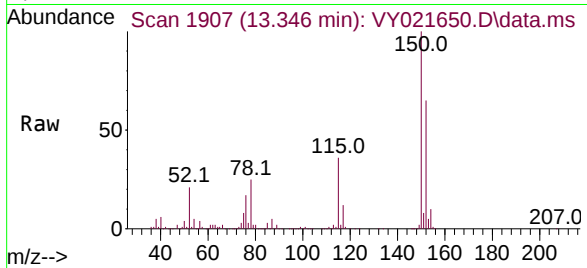




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021650.D
 Acq: 26 Mar 2025 16:34

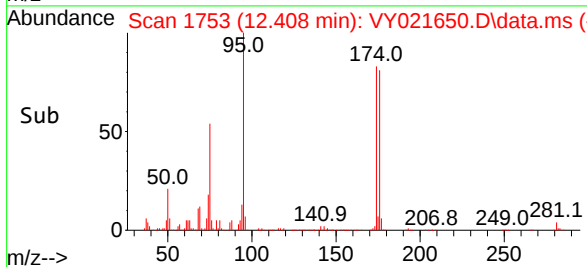
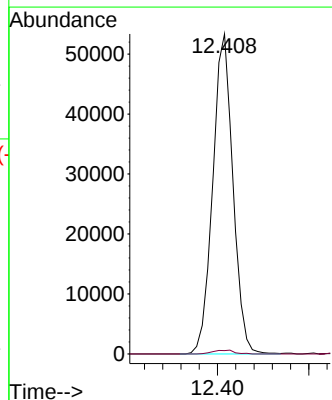
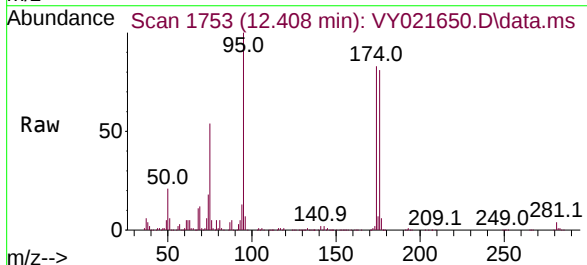
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1-VOC

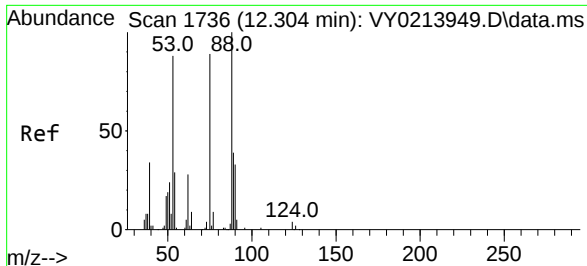
Tgt Ion:152 Resp: 147643
 Ion Ratio Lower Upper
 152 100
 115 58.6 29.0 87.0
 150 156.1 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 55.103 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021650.D
 Acq: 26 Mar 2025 16:34

Tgt Ion: 75 Resp: 81981
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

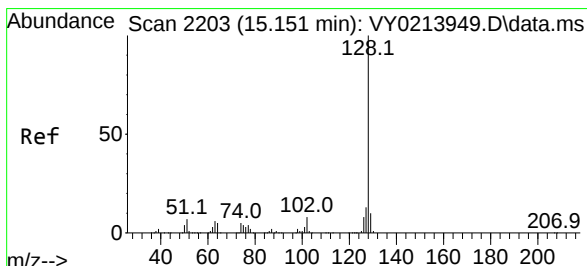
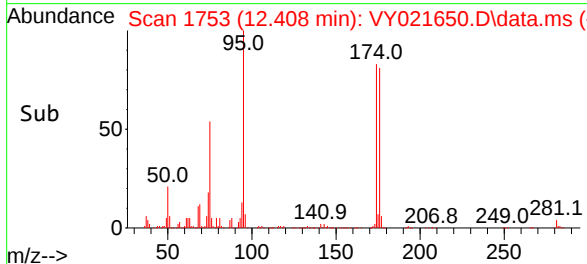
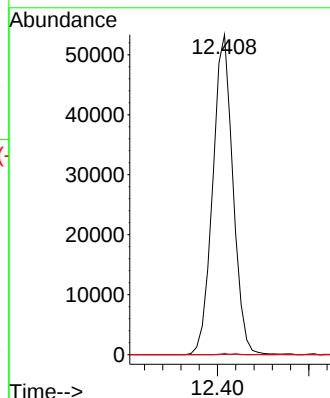
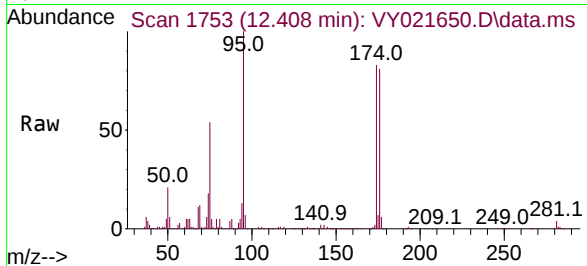




#81
trans-1,4-Dichloro-2-butene
Concen: 125.267 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
TP-1-VOC

Tgt Ion: 75 Resp: 81981
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.2 36.9 55.3#



#95
Naphthalene
Concen: 1.610 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VY021650.D
Acq: 26 Mar 2025 16:34

Tgt Ion: 128 Resp: 647
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

