

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021640.D
 Acq On : 25 Mar 2025 16:56
 Operator : SY/MD
 Sample : Q1635-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

Quant Time: Mar 26 01:38:05 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	7.713	168	215154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	419827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	391879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157537	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144499	63.543	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.080%
35) Dibromofluoromethane	7.634	113	146078	52.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.860%
50) Toluene-d8	10.109	98	518303	49.605	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.408	95	163009	45.864	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.720%

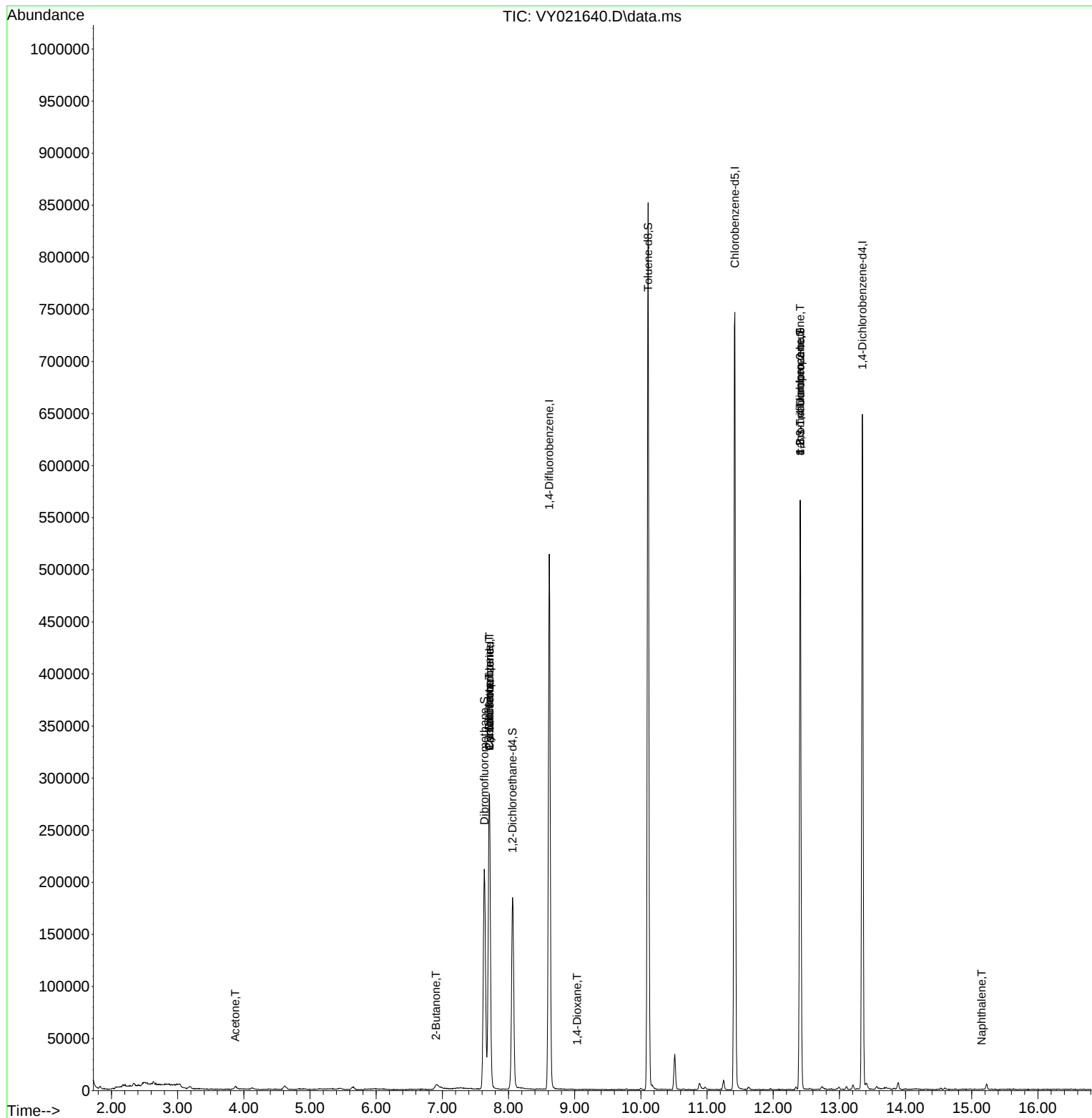
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.830	59	843	Below Cal	#	72
16) Acetone	3.873	43	4910	9.899	ug/l #	79
25) 2-Butanone	6.902	43	1266	1.845	ug/l	94
31) Cyclohexane	7.707	56	5462	1.282	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	18060	4.181	ug/l #	49
38) Carbon Tetrachloride	7.713	117	22330	4.495	ug/l #	16
49) 1,4-Dioxane	9.036	88	19	1.149	ug/l #	22
76) 1,2,3-Trichloropropane	12.408	75	87758	55.281	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	87758	125.672	ug/l #	9
95) Naphthalene	15.151	128	354	1.532	ug/l #	69

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

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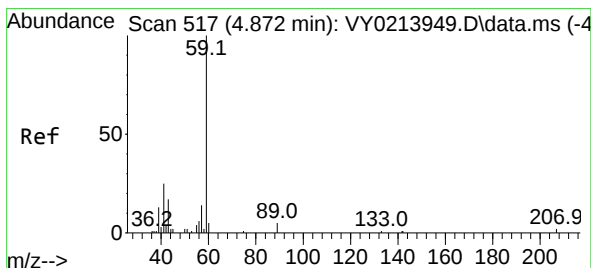
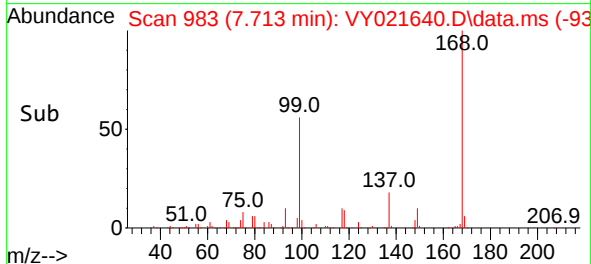
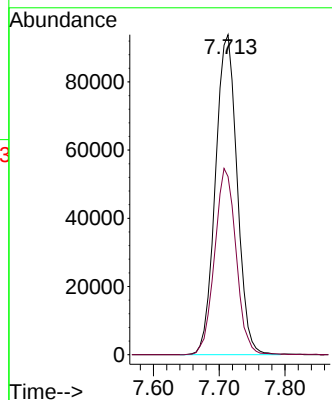
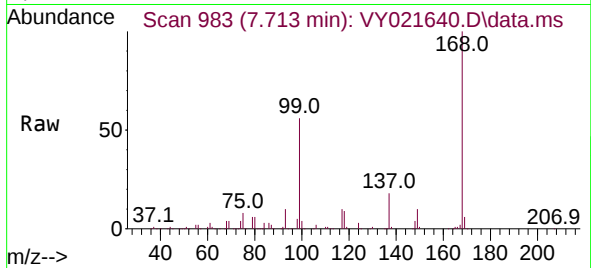




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

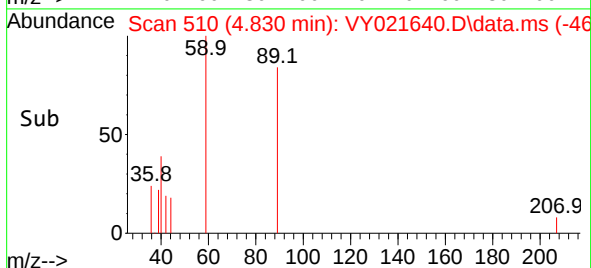
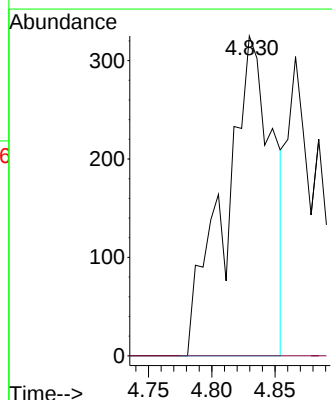
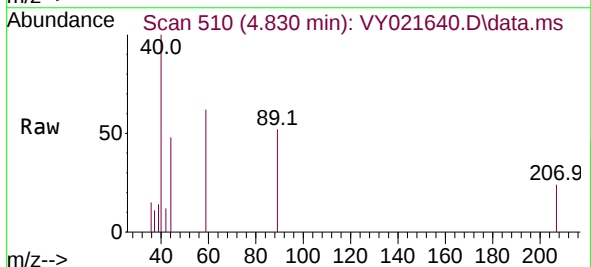
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

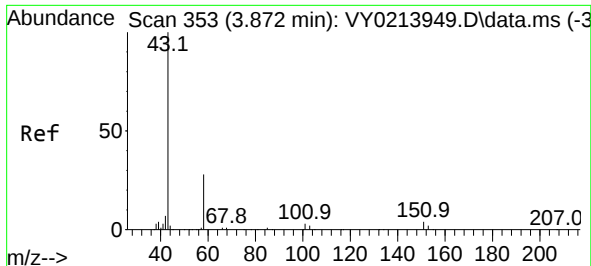
Tgt Ion:168 Resp: 215154
Ion Ratio Lower Upper
168 100
99 55.7 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.830 min Scan# 510
Delta R.T. -0.042 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Tgt Ion: 59 Resp: 843
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

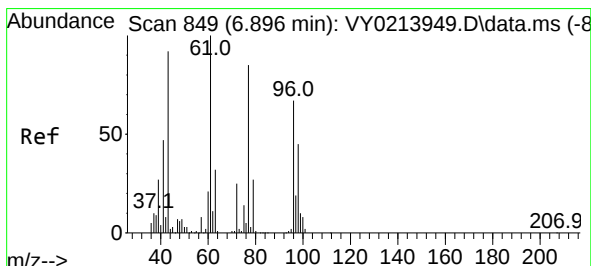
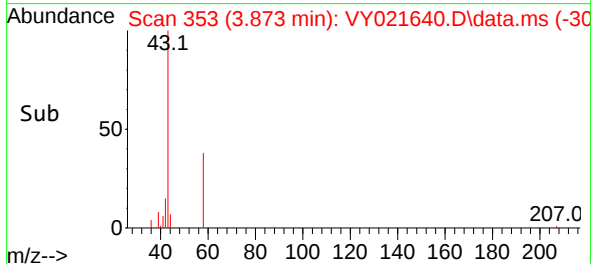
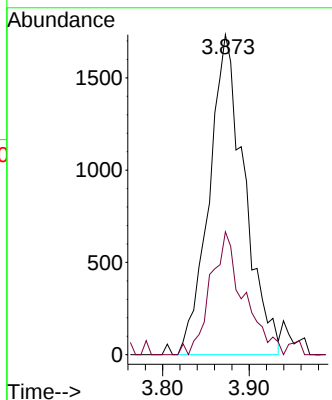
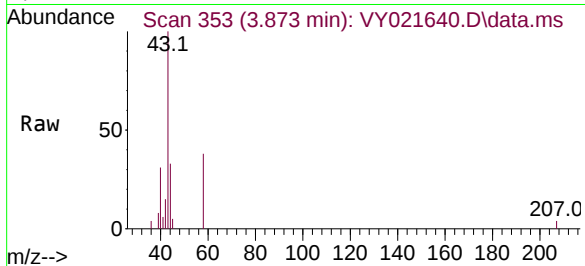




#16
Acetone
Concen: 9.899 ug/l
RT: 3.873 min Scan# 311
Delta R.T. 0.001 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

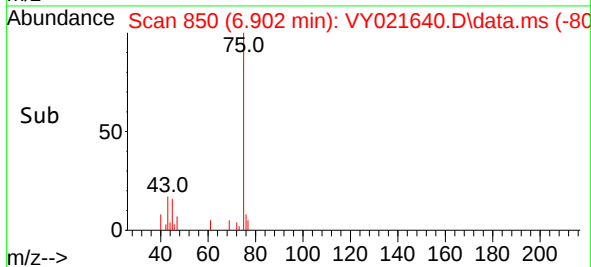
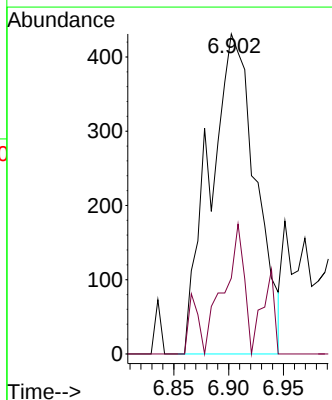
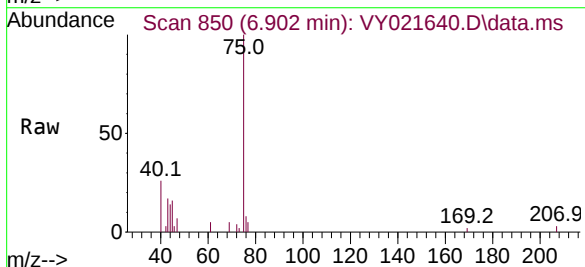
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

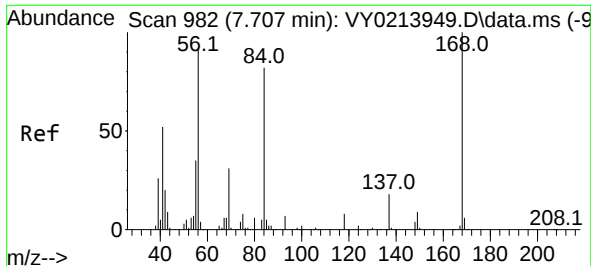
Tgt Ion: 43 Resp: 4910
Ion Ratio Lower Upper
43 100
58 38.4 22.1 33.1#



#25
2-Butanone
Concen: 1.845 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
72 23.7 21.4 32.0

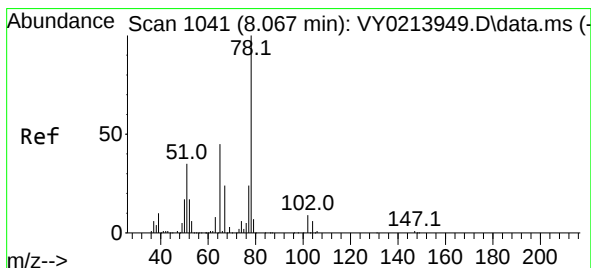
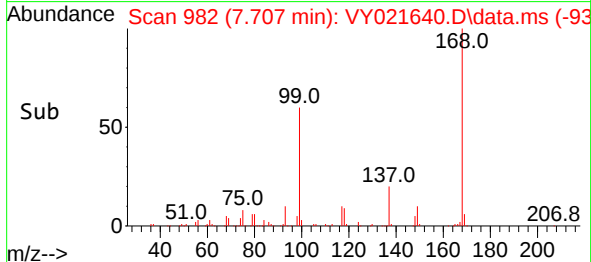
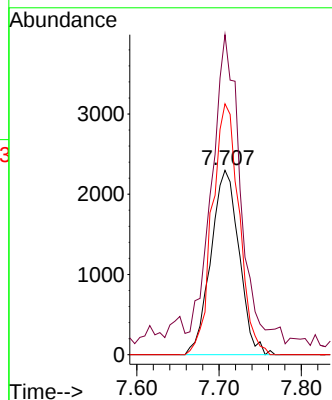
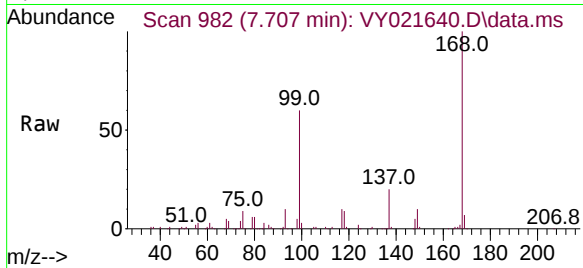




#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

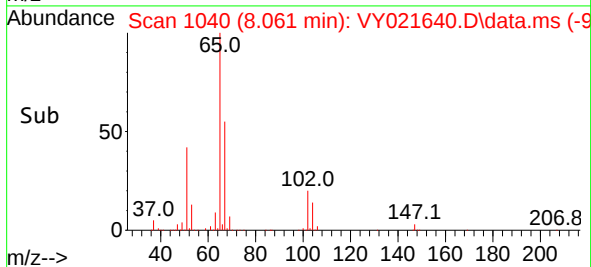
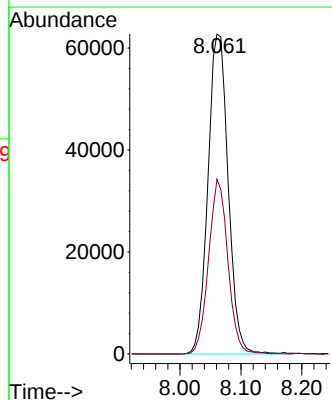
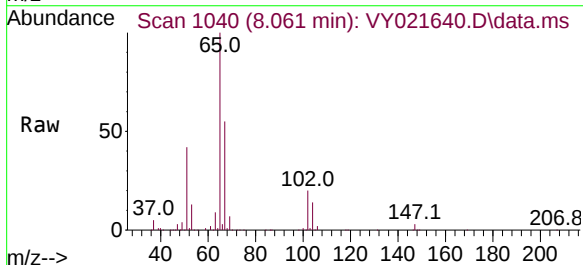
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

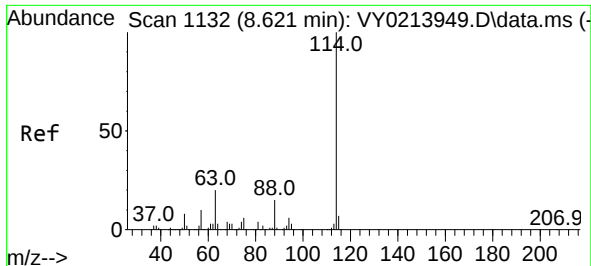
Tgt Ion: 56 Resp: 5462
Ion Ratio Lower Upper
56 100
69 158.6 27.0 40.4#
84 136.1 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 63.543 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Tgt Ion: 65 Resp: 144499
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.8

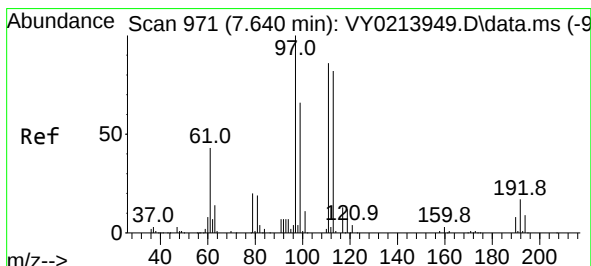
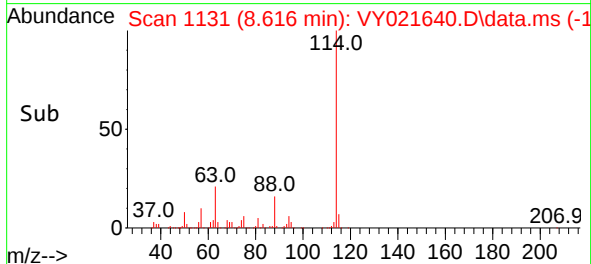
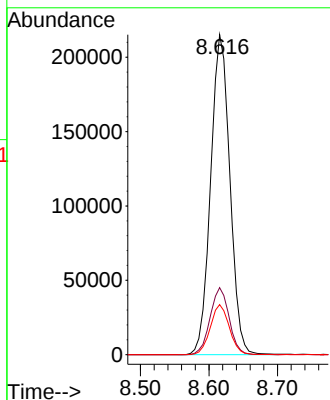
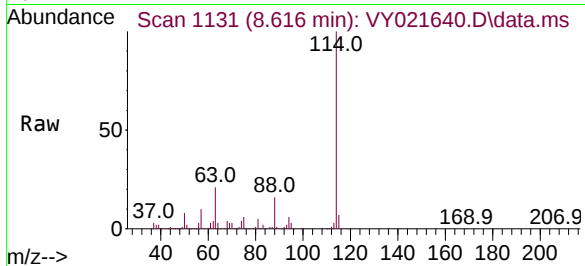




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

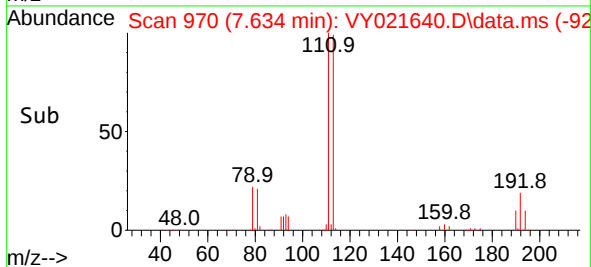
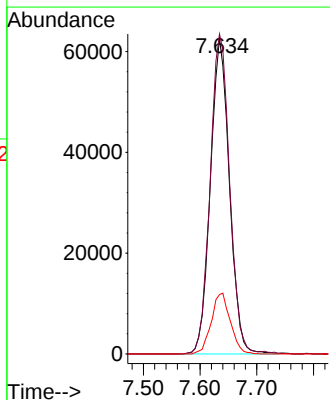
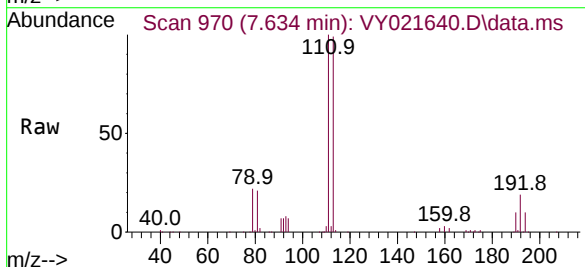
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

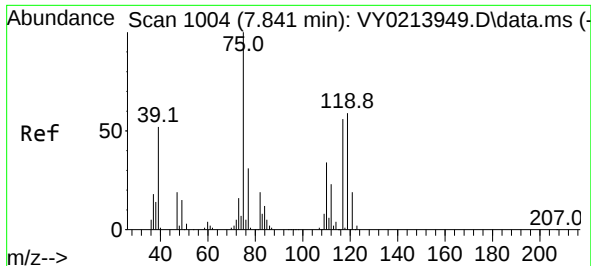
Tgt Ion:114 Resp: 419827
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 15.7 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.935 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Tgt Ion:113 Resp: 146078
Ion Ratio Lower Upper
113 100
111 104.1 82.0 123.0
192 19.2 15.9 23.9

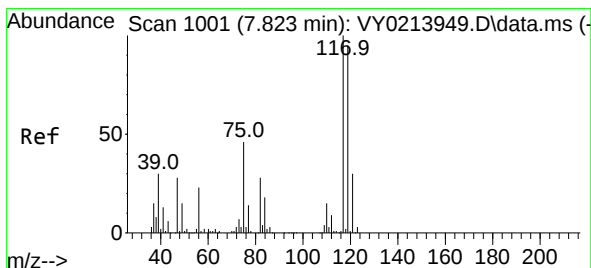
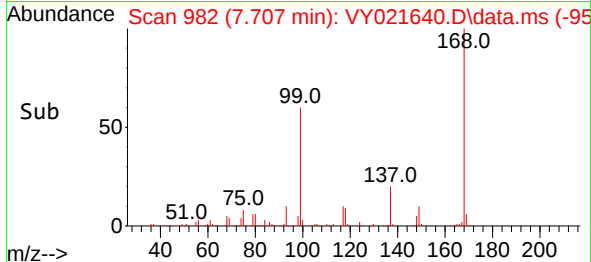
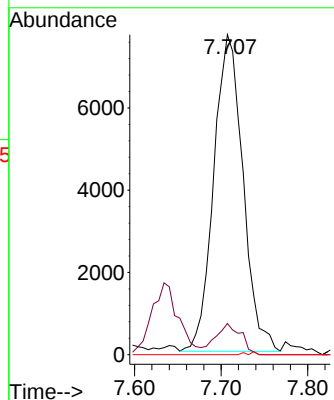
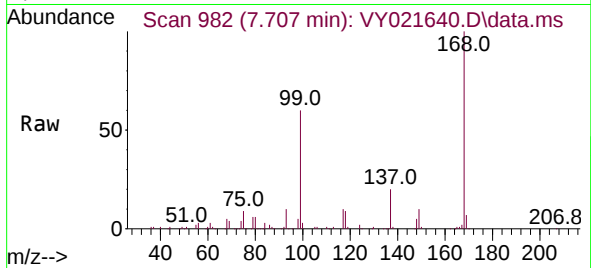




#36
1,1-Dichloropropene
Concen: 4.181 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

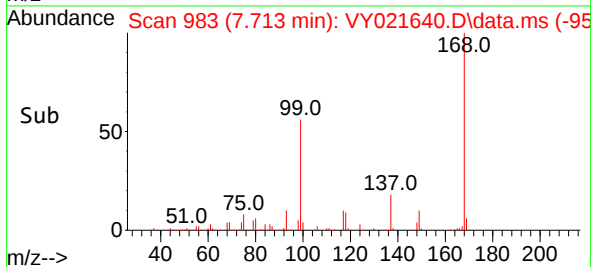
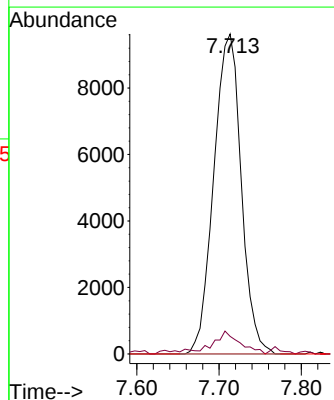
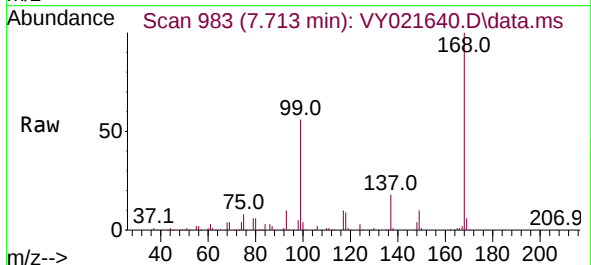
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

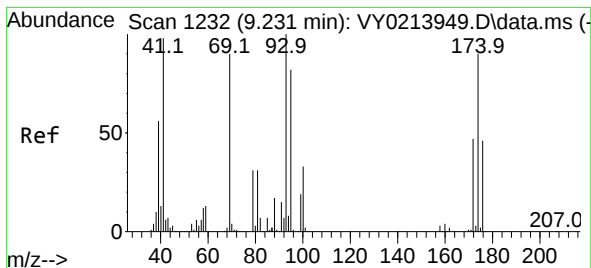
Tgt Ion: 75 Resp: 18060
Ion Ratio Lower Upper
75 100
110 8.6 17.3 51.7#
77 0.1 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.495 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.109 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Tgt Ion: 117 Resp: 22330
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 1.149 ug/l

RT: 9.036 min Scan# 11

Delta R.T. -0.195 min

Lab File: VY021640.D

Acq: 25 Mar 2025 16:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC

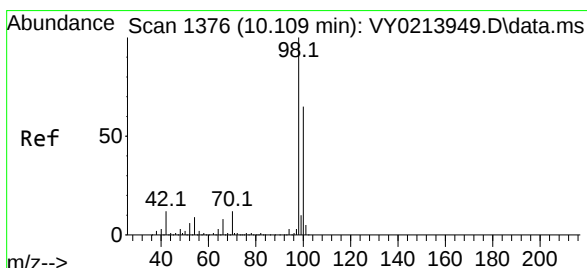
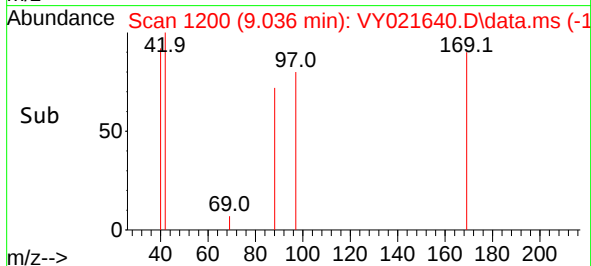
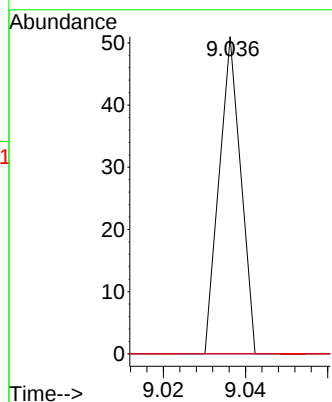
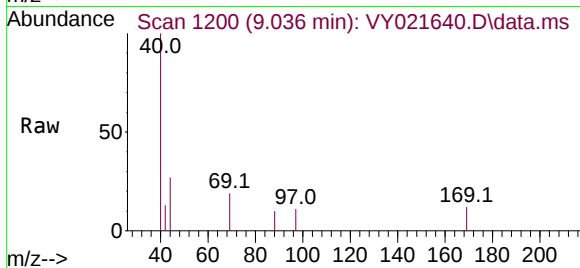
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 49.605 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021640.D

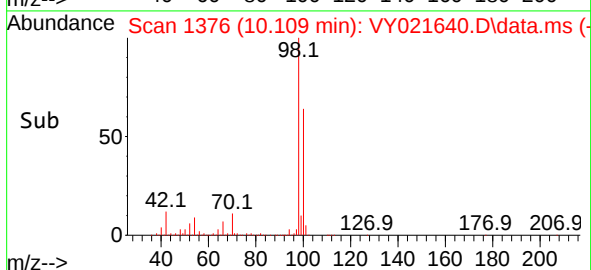
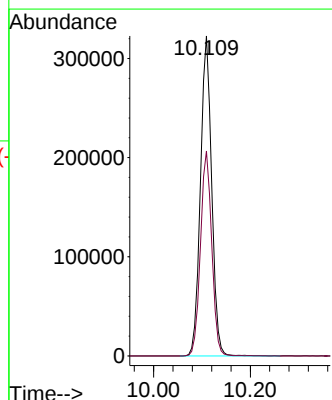
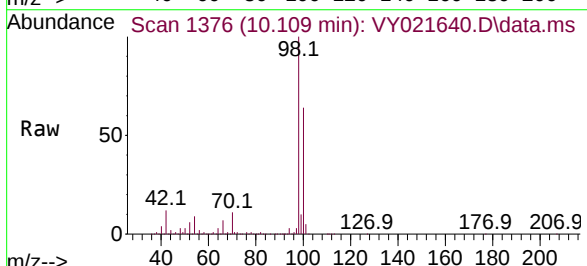
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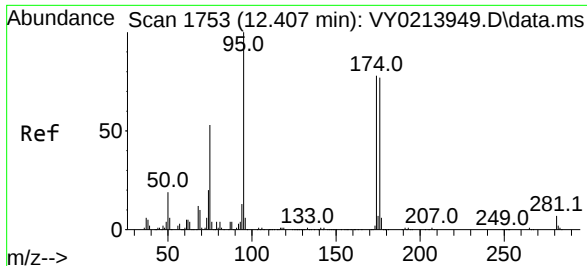
Tgt Ion: 98 Resp: 518303

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1

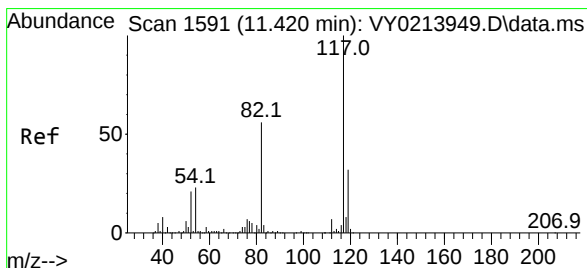
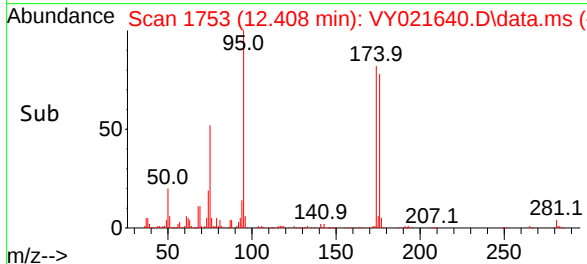
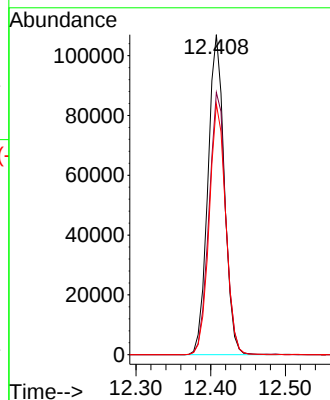
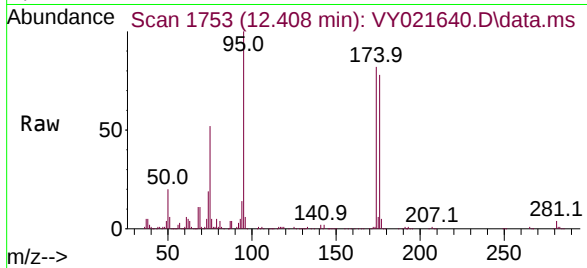




#62
4-Bromofluorobenzene
Concen: 45.864 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

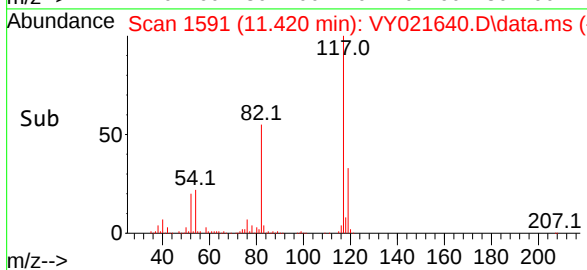
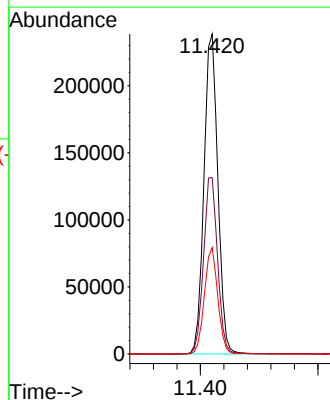
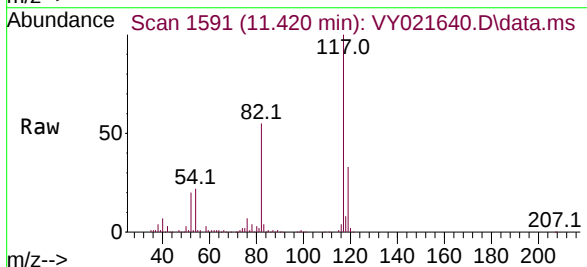
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

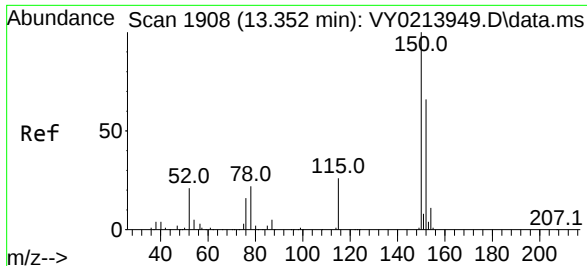
Tgt Ion: 95 Resp: 163009
Ion Ratio Lower Upper
95 100
174 83.4 0.0 165.0
176 78.7 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Tgt Ion: 117 Resp: 391879
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 33.2 25.4 38.0

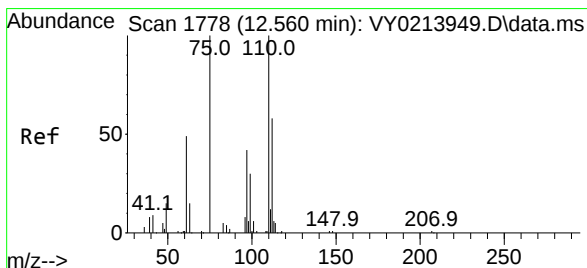
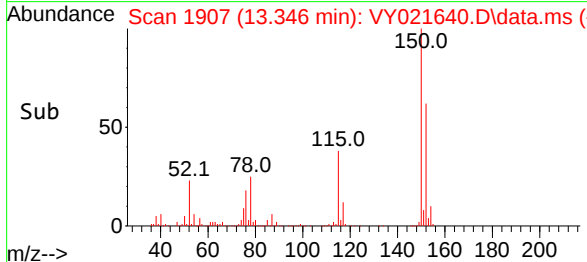
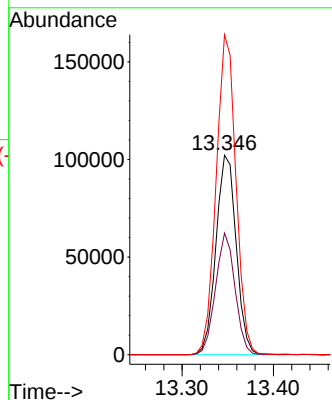
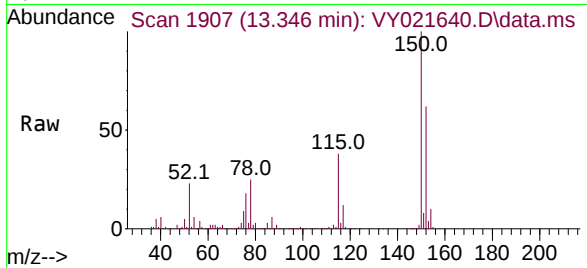




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021640.D
 Acq: 25 Mar 2025 16:56

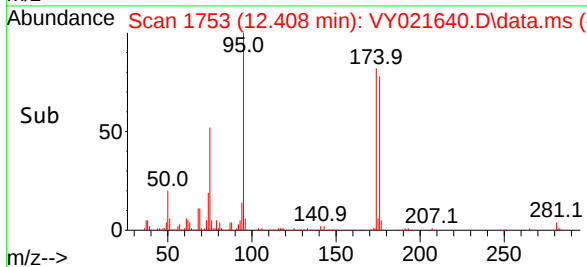
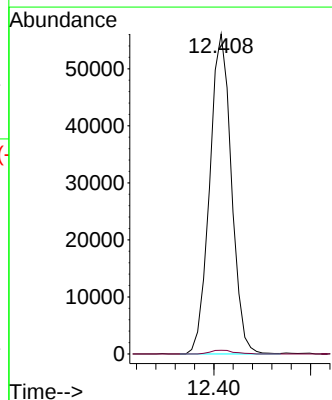
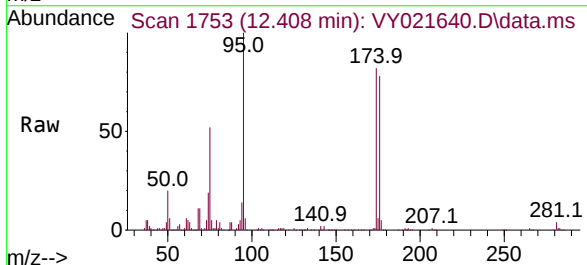
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

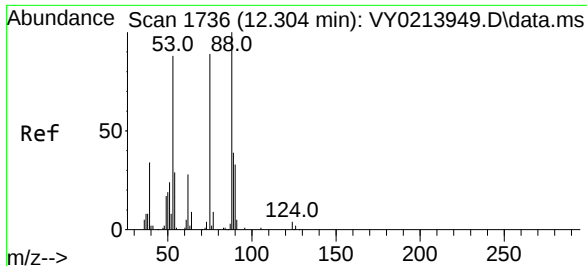
Tgt Ion:152 Resp: 157537
 Ion Ratio Lower Upper
 152 100
 115 58.5 29.0 87.0
 150 156.8 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 55.281 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021640.D
 Acq: 25 Mar 2025 16:56

Tgt Ion: 75 Resp: 87758
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

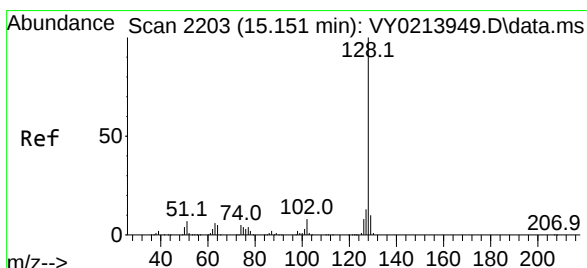
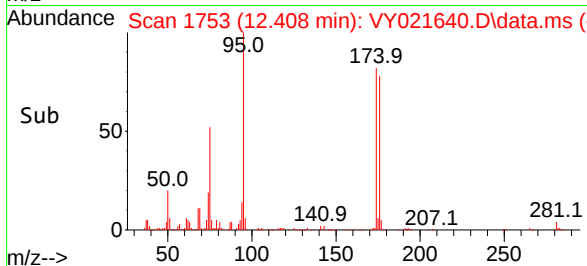
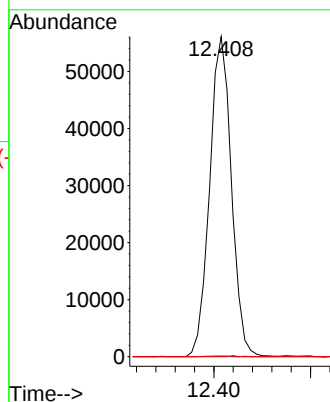
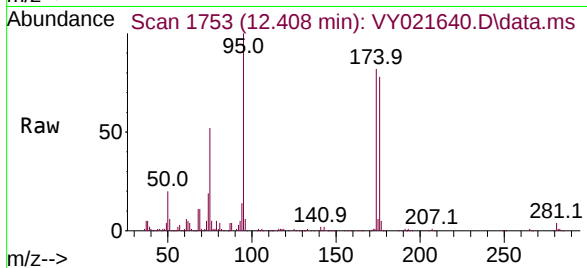




#81
trans-1,4-Dichloro-2-butene
Concen: 125.672 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

Tgt Ion: 75 Resp: 87758
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 1.532 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021640.D
Acq: 25 Mar 2025 16:56

Tgt Ion: 128 Resp: 354
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

