

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021634.D
 Acq On : 25 Mar 2025 14:35
 Operator : SY/MD
 Sample : Q1636-11
 Misc : 6.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3-VOC

Quant Time: Mar 26 01:36:45 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)

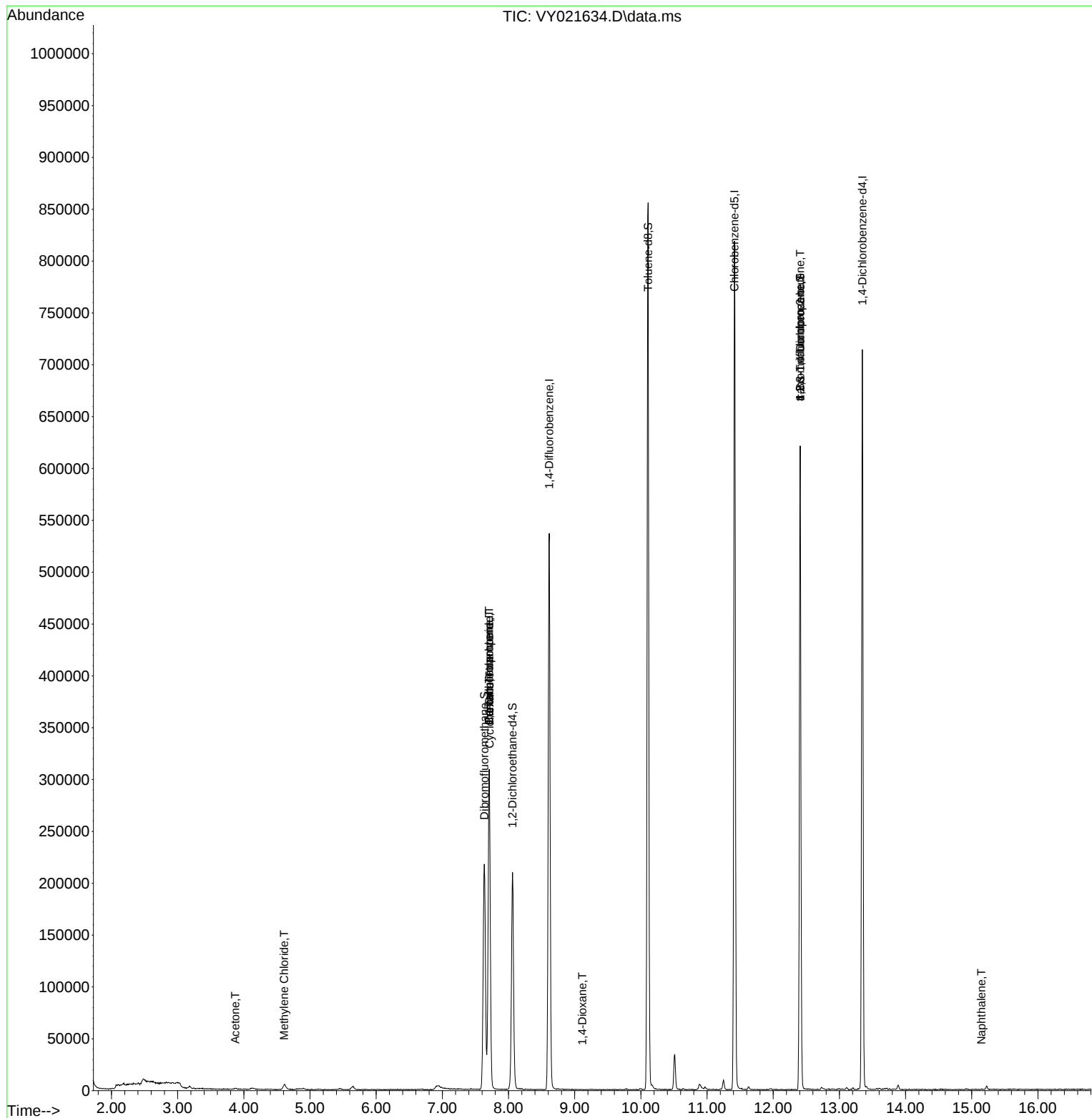
Internal Standards						
1) Pentafluorobenzene	7.707	168	230348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	443804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	417143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	175922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160361	65.866	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.740%	
35) Dibromofluoromethane	7.634	113	152844	52.394	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.780%	
50) Toluene-d8	10.109	98	547832	49.598	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.200%	
62) 4-Bromofluorobenzene	12.408	95	179870	47.874	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.740%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.836	59	1401	Below Cal	#	72
16) Acetone	3.873	43	1804	3.397	ug/l	90
20) Methylene Chloride	4.610	84	3186	1.143	ug/l #	78
31) Cyclohexane	7.713	56	5338	1.171	ug/l #	21
36) 1,1-Dichloropropene	7.707	75	18550	4.062	ug/l #	50
38) Carbon Tetrachloride	7.707	117	23981	4.566	ug/l #	17
49) 1,4-Dioxane	9.115	88	42	2.402	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	96475	54.421	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	96475	123.717	ug/l #	9
95) Naphthalene	15.145	128	387	1.530	ug/l #	72

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

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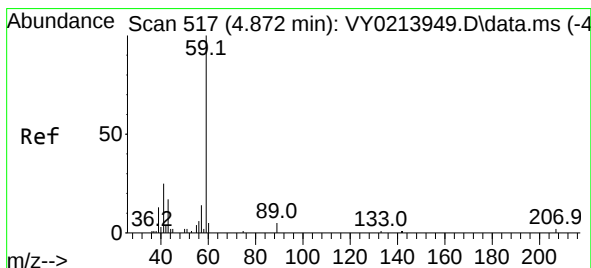
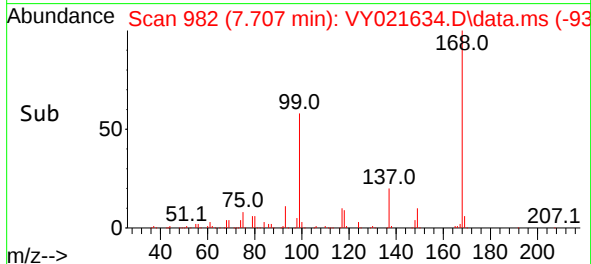
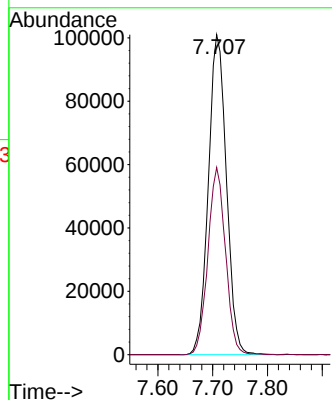
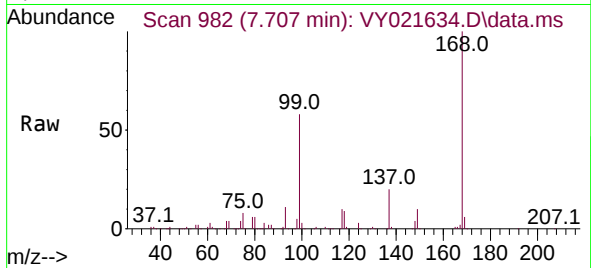




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

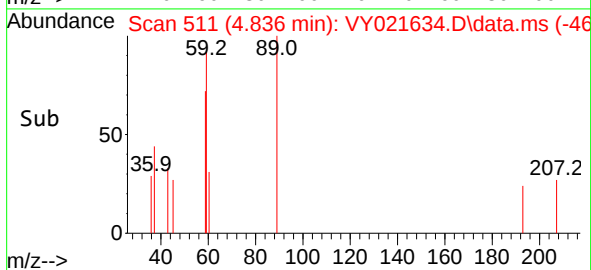
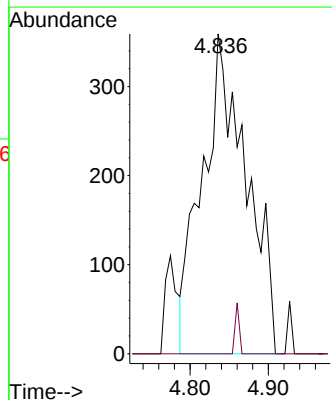
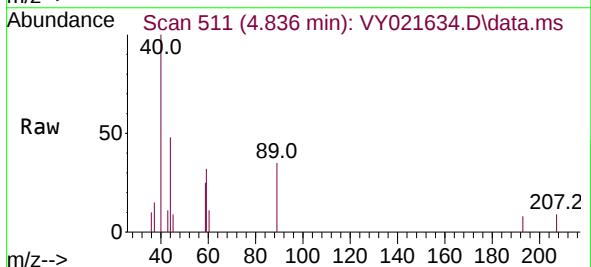
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

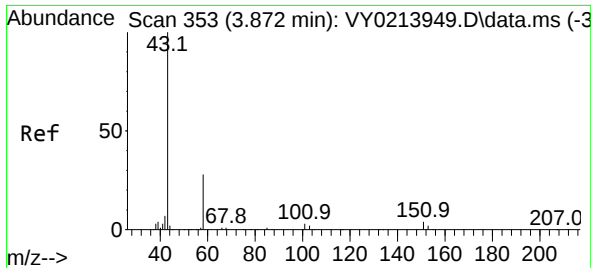
Tgt Ion:168 Resp: 230348
Ion Ratio Lower Upper
168 100
99 58.5 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.836 min Scan# 511
Delta R.T. -0.036 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

Tgt Ion: 59 Resp: 1401
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

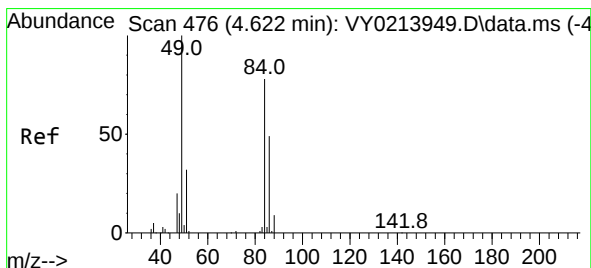
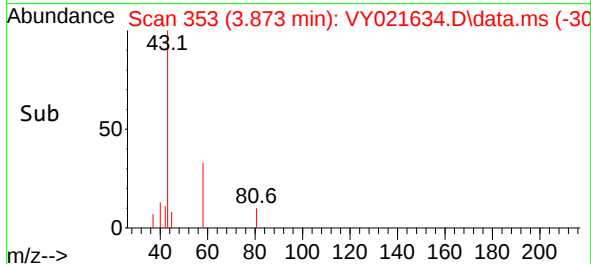
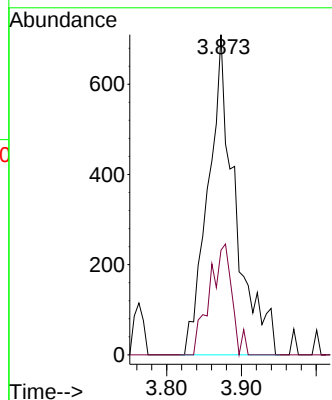
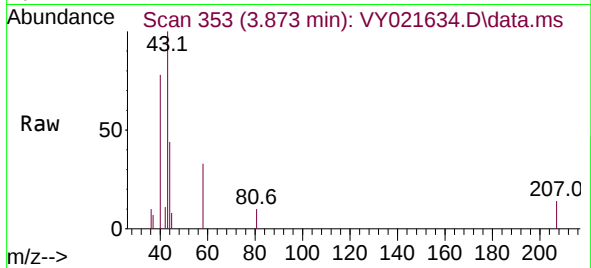




#16
Acetone
Concen: 3.397 ug/l
RT: 3.873 min Scan# 316
Delta R.T. 0.001 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

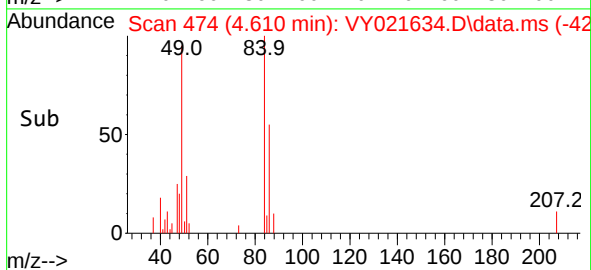
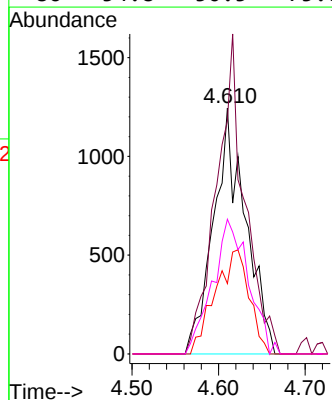
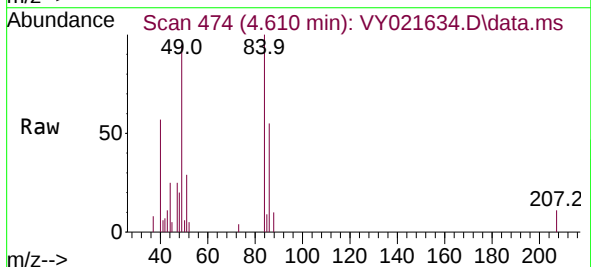
Instrument :
MSVOA_Y
ClientSampleId :
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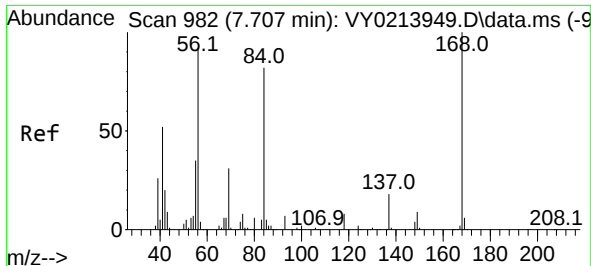
Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
58 32.7 22.1 33.1



#20
Methylene Chloride
Concen: 1.143 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

Tgt Ion: 84 Resp: 3186
Ion Ratio Lower Upper
84 100
49 94.7 102.0 153.0#
51 28.6 33.0 49.6#
86 54.8 50.5 75.7

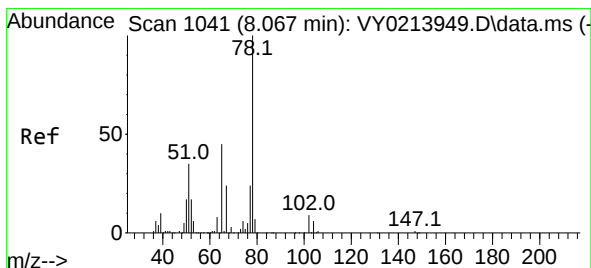
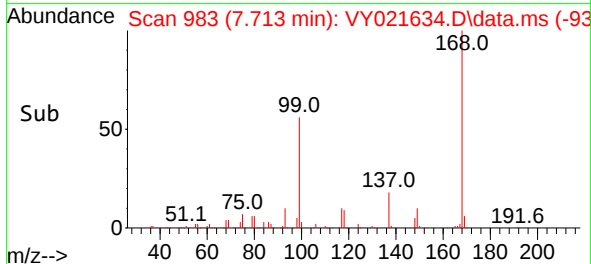
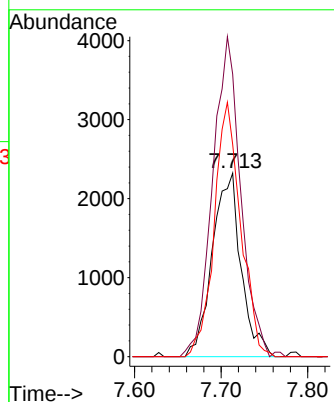
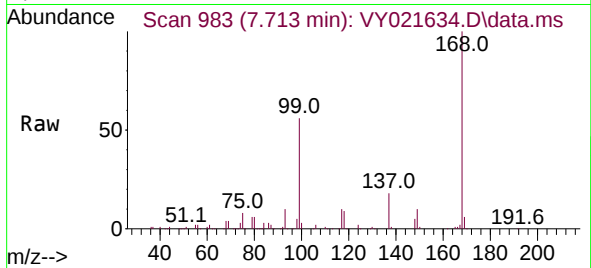




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

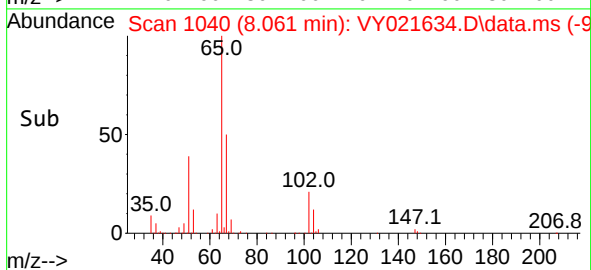
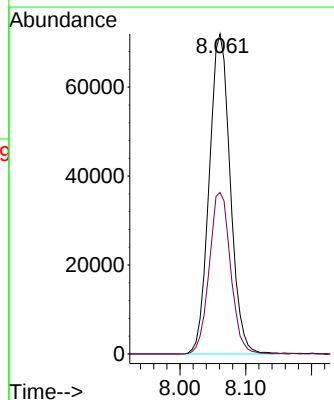
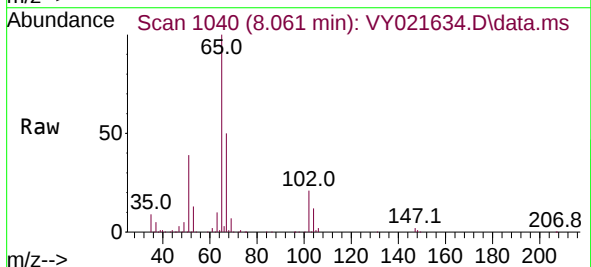
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

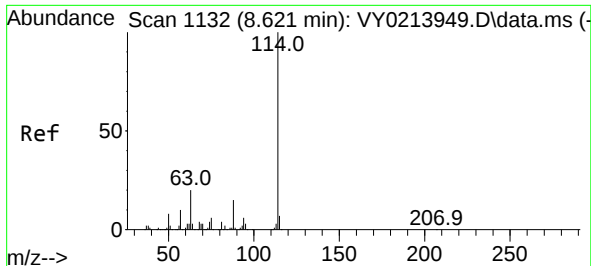
Tgt Ion: 56 Resp: 5338
Ion Ratio Lower Upper
56 100
69 154.0 27.0 40.4#
84 115.8 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 65.866 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

Tgt Ion: 65 Resp: 160361
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.8

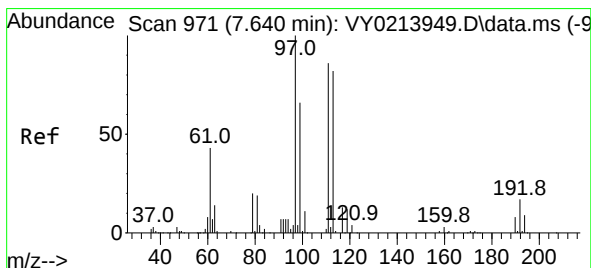
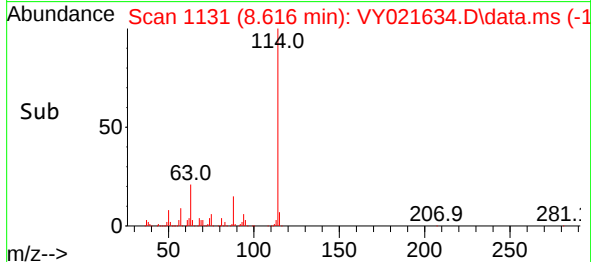
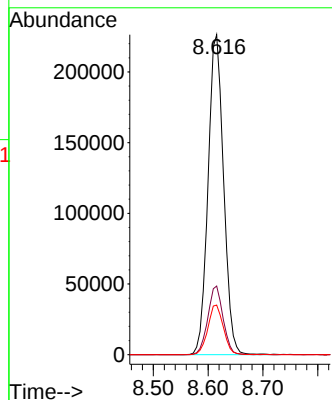
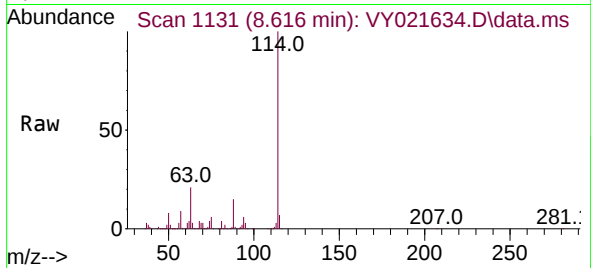




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

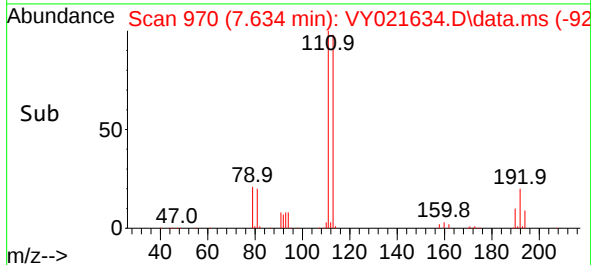
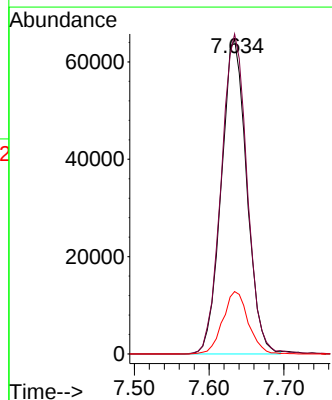
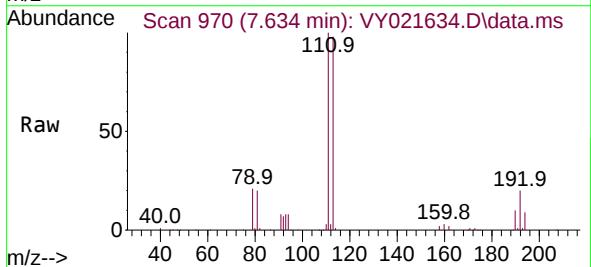
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

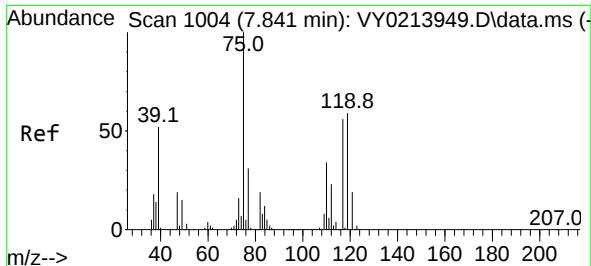
Tgt Ion:114 Resp: 443804
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 15.5 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.394 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

Tgt Ion:113 Resp: 152844
Ion Ratio Lower Upper
113 100
111 103.9 82.0 123.0
192 19.9 15.9 23.9

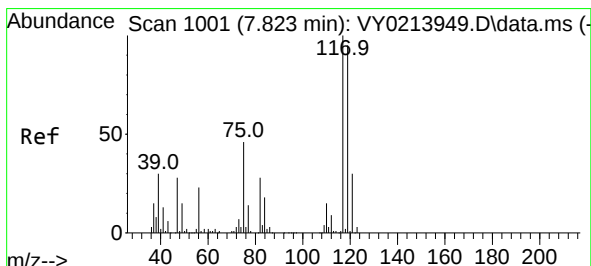
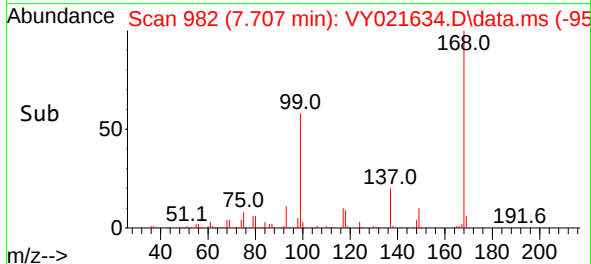
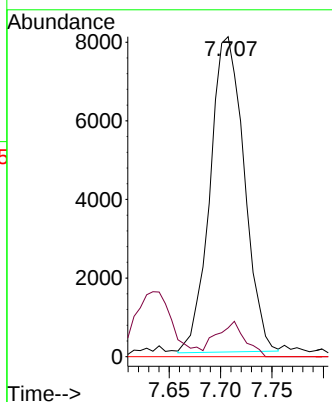
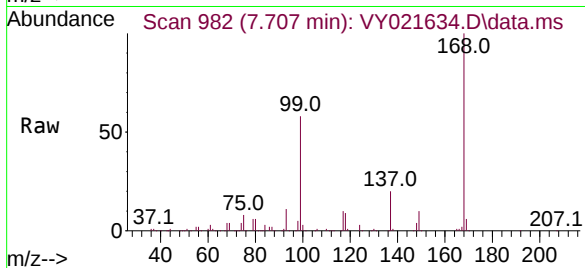




#36
1,1-Dichloropropene
Concen: 4.062 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

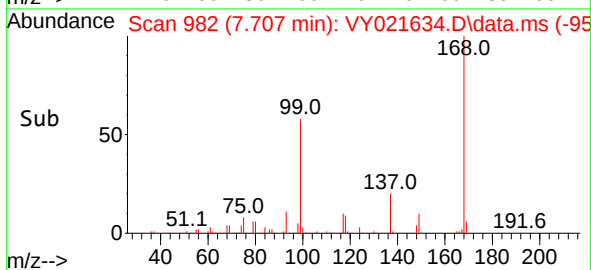
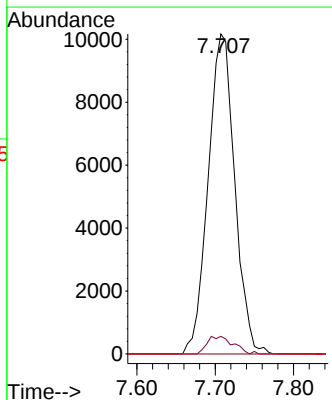
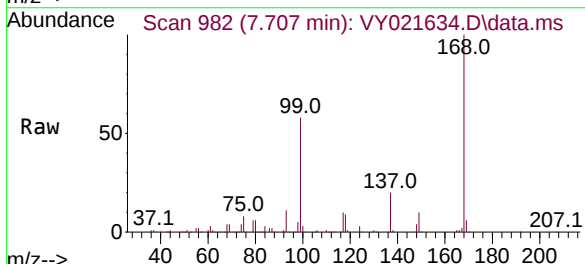
Instrument :
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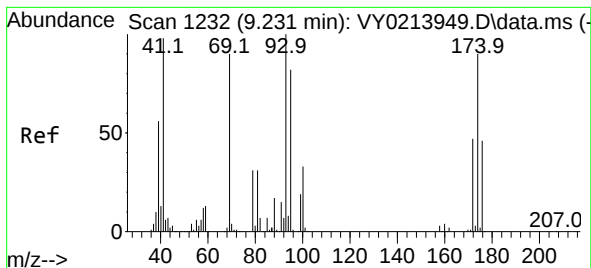
Tgt Ion: 75 Resp: 18550
Ion Ratio Lower Upper
75 100
110 9.2 17.3 51.7#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.566 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

Tgt Ion: 117 Resp: 23981
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: 2.402 ug/l

RT: 9.115 min Scan# 11

Delta R.T. -0.116 min

Lab File: VY021634.D

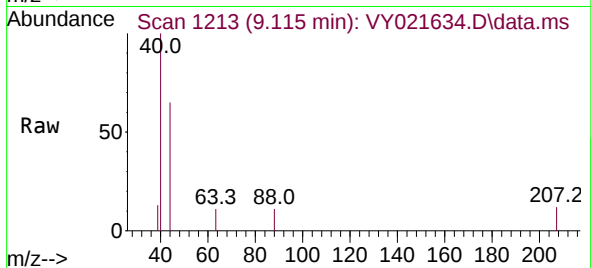
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Instrument :

MSVOA_Y

ClientSampleId :

WC-3-VOC



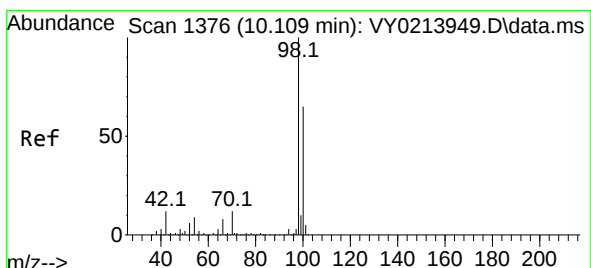
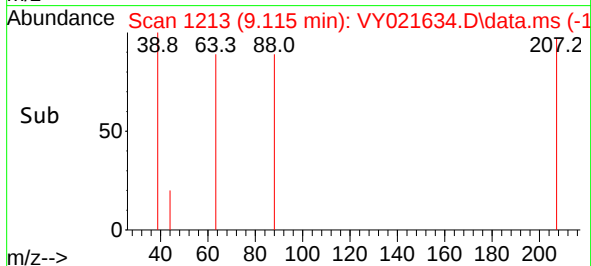
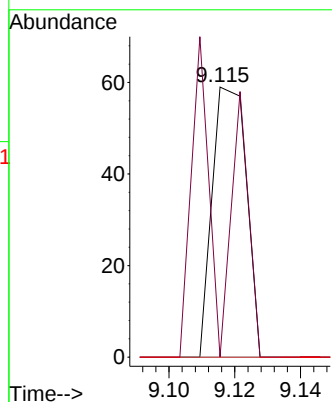
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 111.9 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 49.598 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021634.D

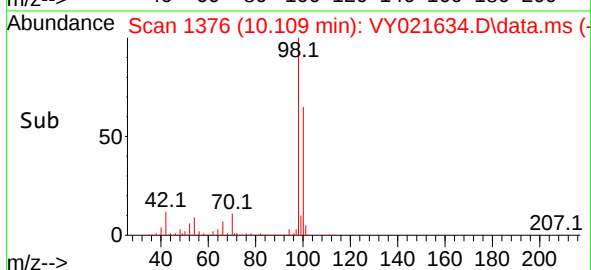
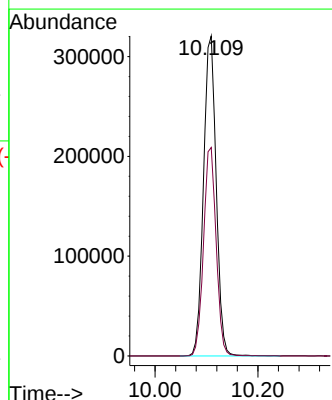
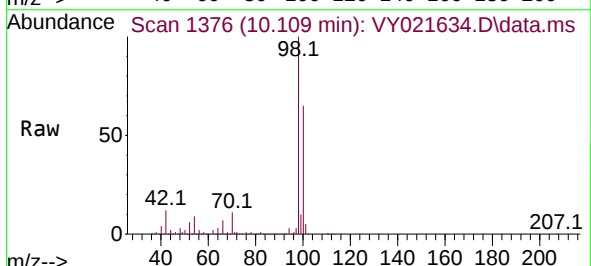
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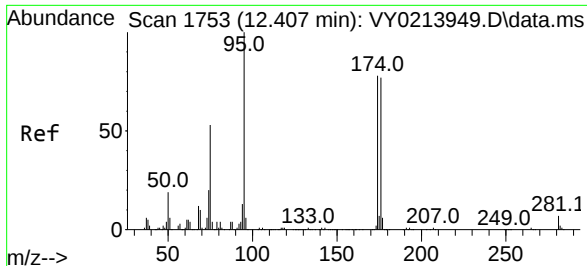
Tgt Ion: 98 Resp: 547832

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1

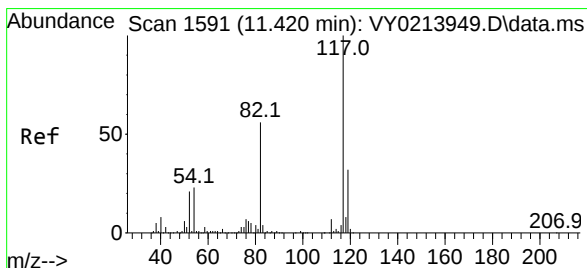
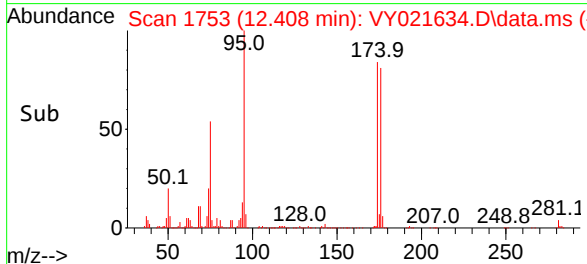
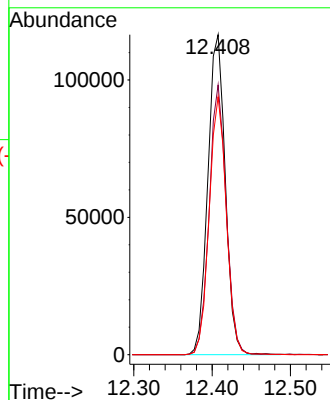
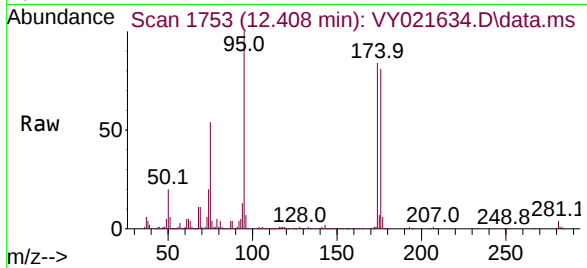




#62
4-Bromofluorobenzene
Concen: 47.874 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

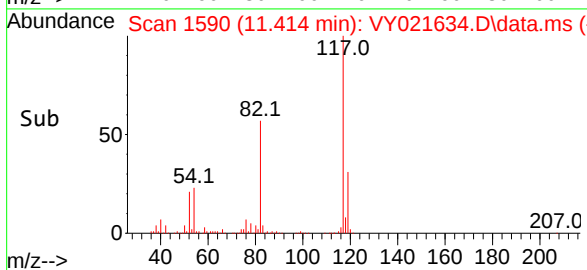
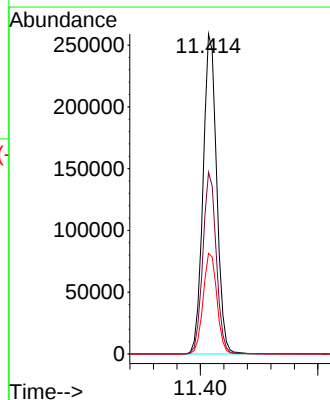
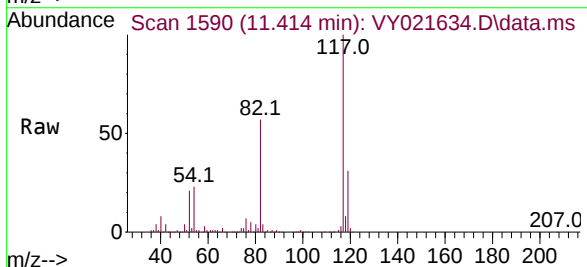
Instrument :
MSVOA_Y
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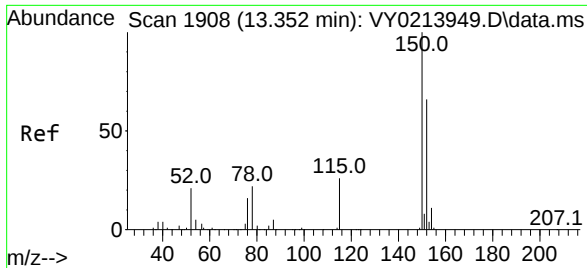
Tgt Ion: 95 Resp: 179870
Ion Ratio Lower Upper
95 100
174 82.3 0.0 165.0
176 79.4 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

Tgt Ion: 117 Resp: 417143
Ion Ratio Lower Upper
117 100
82 56.7 44.6 67.0
119 31.5 25.4 38.0

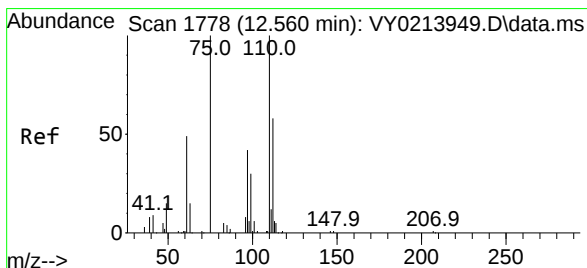
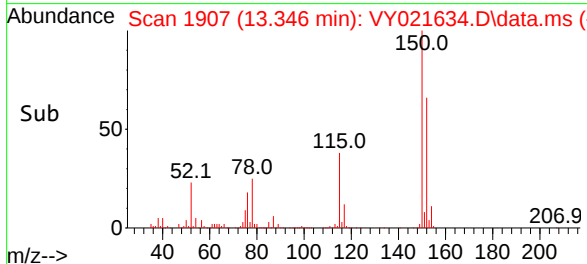
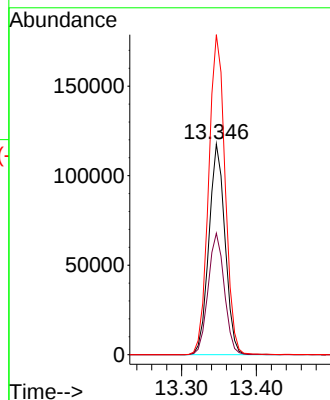
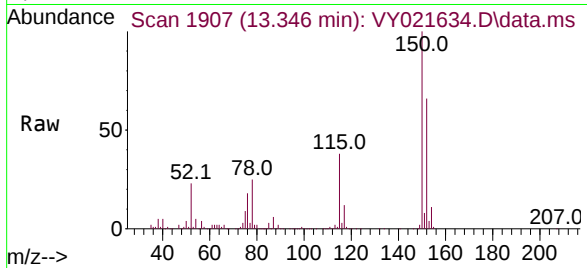




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

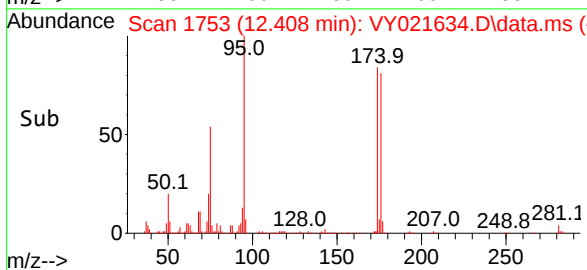
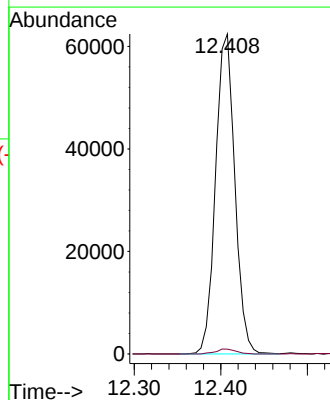
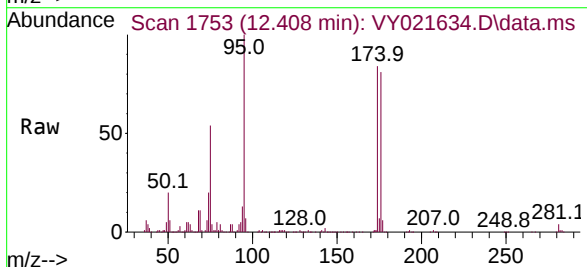
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

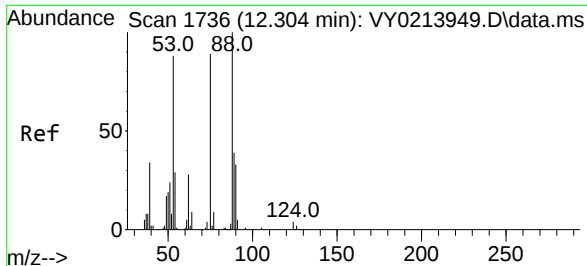
Tgt Ion:152 Resp: 175922
Ion Ratio Lower Upper
152 100
115 57.9 29.0 87.0
150 155.0 0.0 347.2



#76
1,2,3-Trichloropropane
Concen: 54.421 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

Tgt Ion: 75 Resp: 96475
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

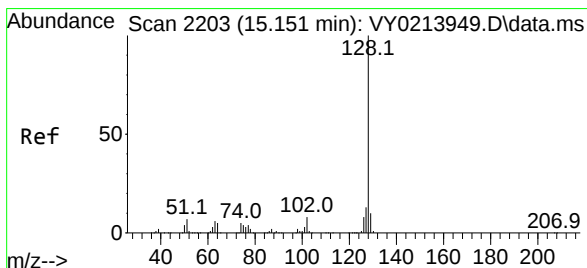
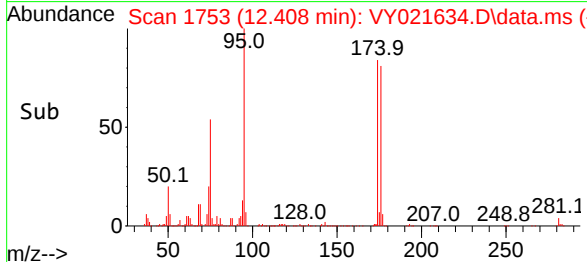
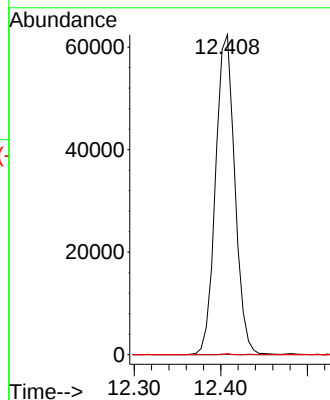
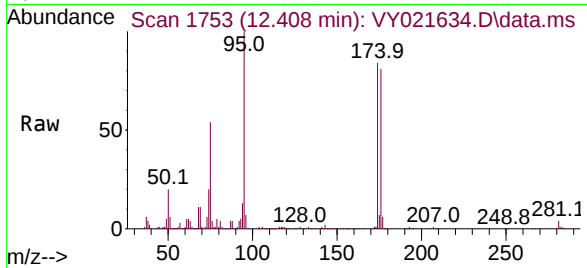




#81
trans-1,4-Dichloro-2-butene
Concen: 123.717 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

Tgt Ion: 75 Resp: 96475
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 1.530 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021634.D
Acq: 25 Mar 2025 14:35

Tgt Ion: 128 Resp: 387
Ion Ratio Lower Upper
128 100
127 24.0 10.6 15.8#
129 0.0 8.6 13.0#

