

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021633.D
 Acq On : 25 Mar 2025 14:12
 Operator : SY/MD
 Sample : Q1636-07
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2-VOC

Quant Time: Mar 26 01:36:33 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	233624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	410298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162767	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153413	62.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.260%	
35) Dibromofluoromethane	7.634	113	154183	52.063	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.120%	
50) Toluene-d8	10.109	98	546220	48.713	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.420%	
62) 4-Bromofluorobenzene	12.408	95	171709	45.018	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.040%	

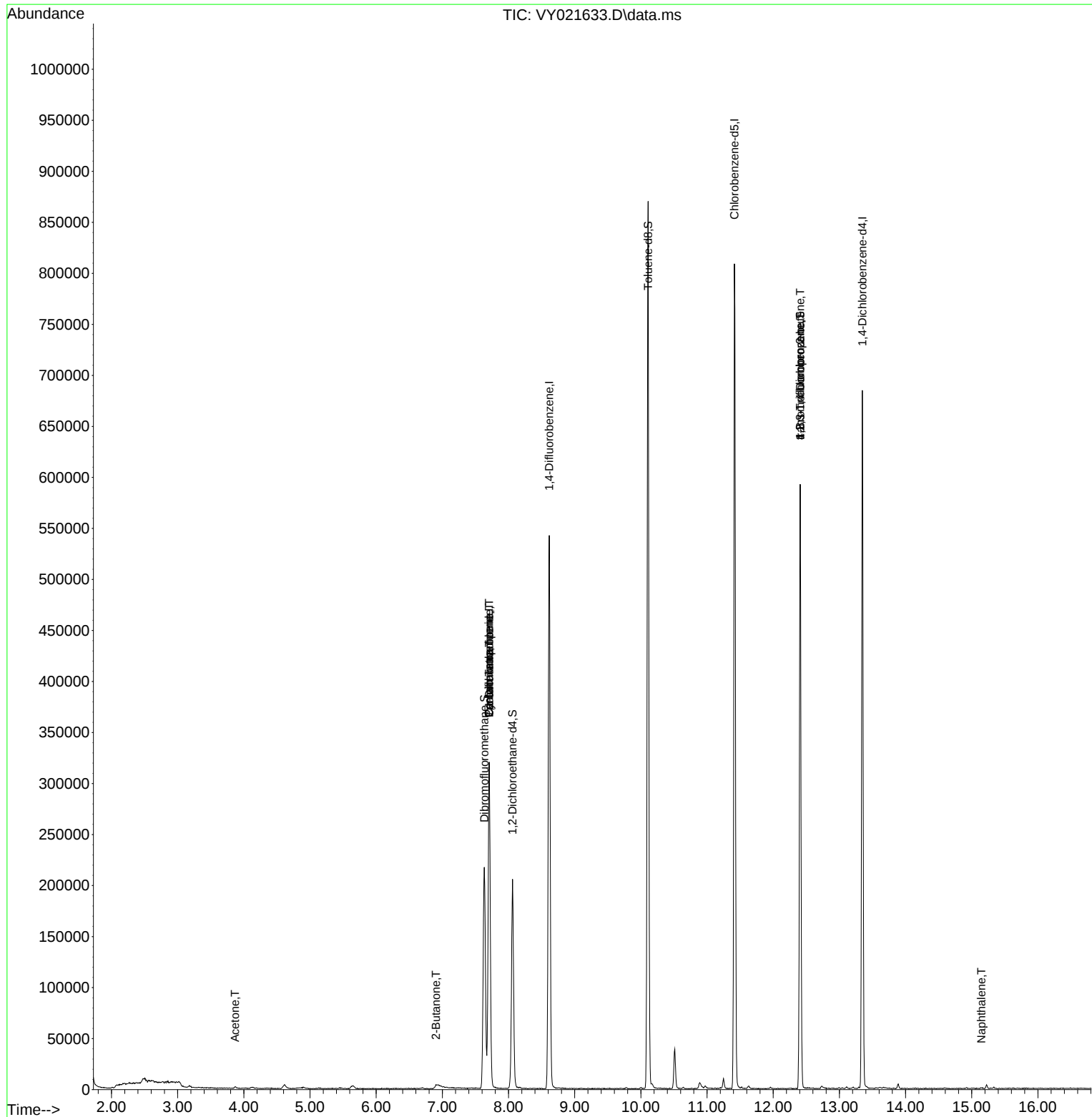
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.848	59	1325	Below Cal	#	84
16) Acetone	3.867	43	2054	3.814	ug/l #	84
25) 2-Butanone	6.903	43	813	1.091	ug/l #	48
31) Cyclohexane	7.707	56	5599	1.211	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	19288	4.161	ug/l #	50
38) Carbon Tetrachloride	7.707	117	23968	4.496	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	92409	56.341	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	92409	128.080	ug/l #	9
95) Naphthalene	15.145	128	766	1.622	ug/l #	97

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

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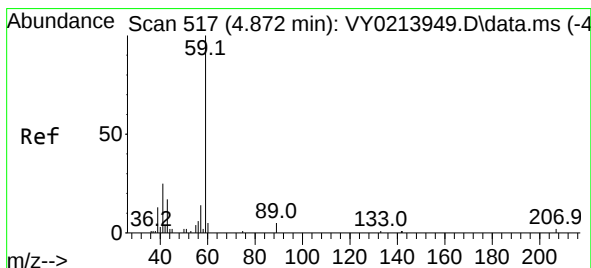
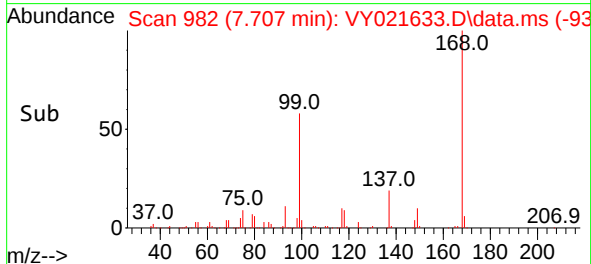
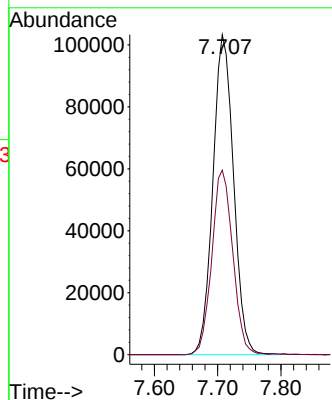
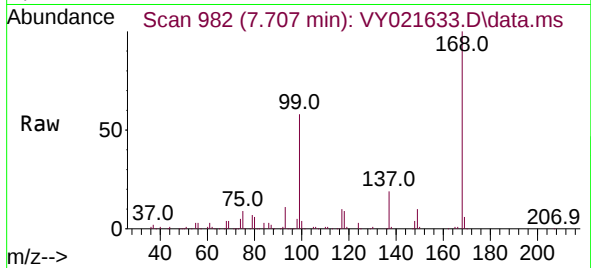




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

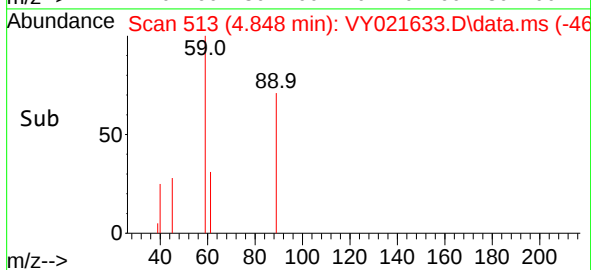
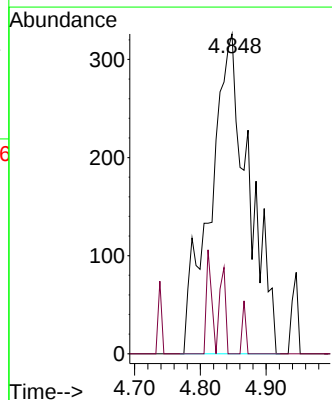
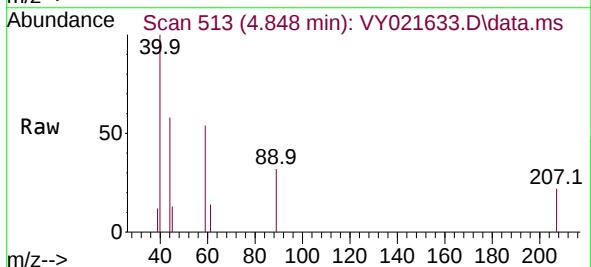
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

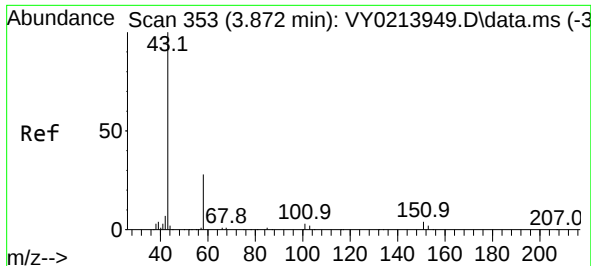
Tgt Ion:168 Resp: 233624
Ion Ratio Lower Upper
168 100
99 57.7 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

Tgt Ion: 59 Resp: 1325
Ion Ratio Lower Upper
59 100
57 4.2 8.2 12.4#

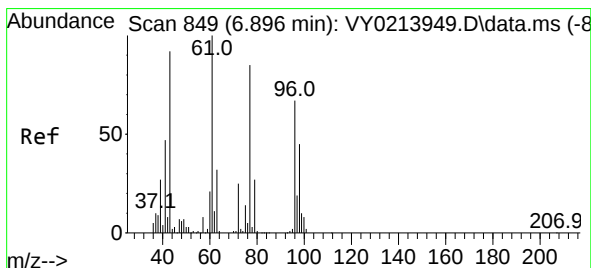
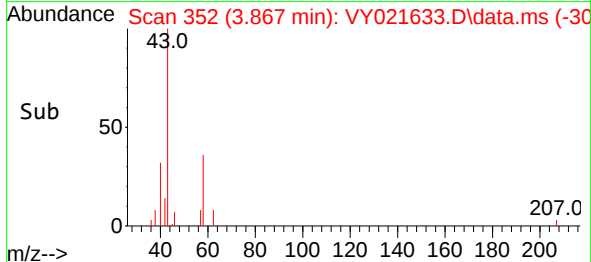
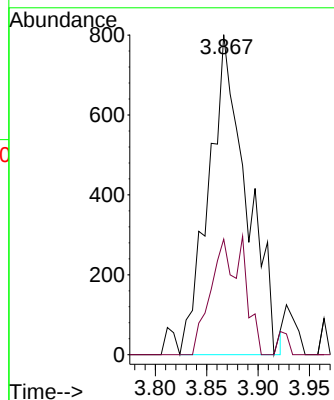
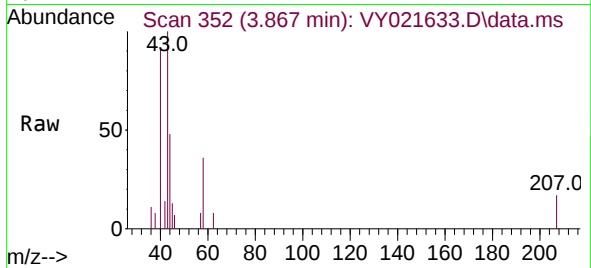




#16
Acetone
Concen: 3.814 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.005 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

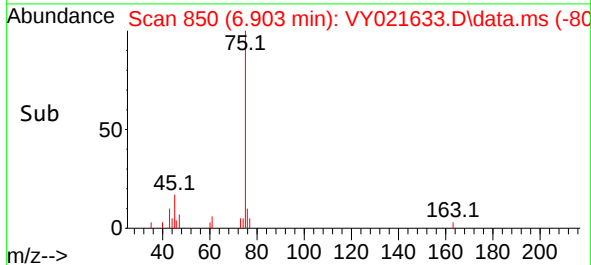
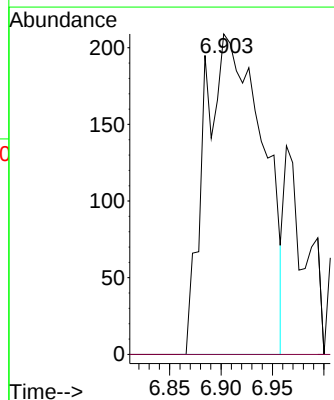
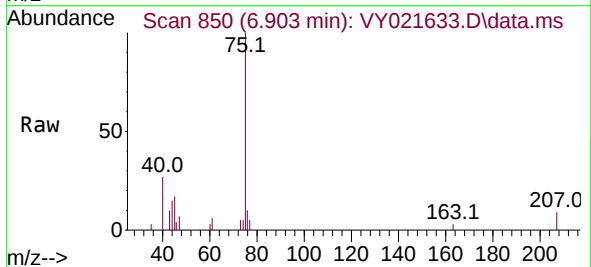
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

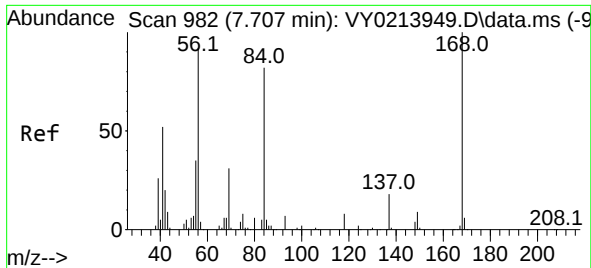
Tgt Ion: 43 Resp: 2054
Ion Ratio Lower Upper
43 100
58 36.1 22.1 33.1#



#25
2-Butanone
Concen: 1.091 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.007 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#

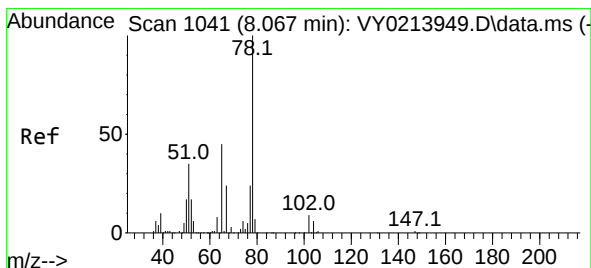
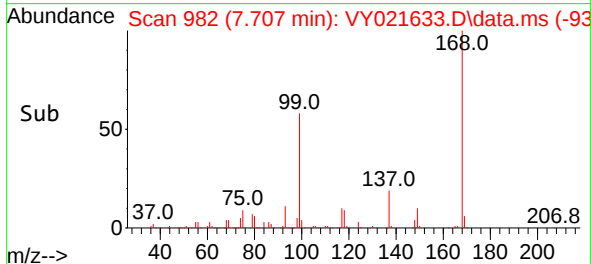
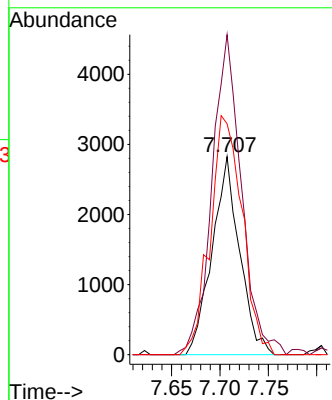
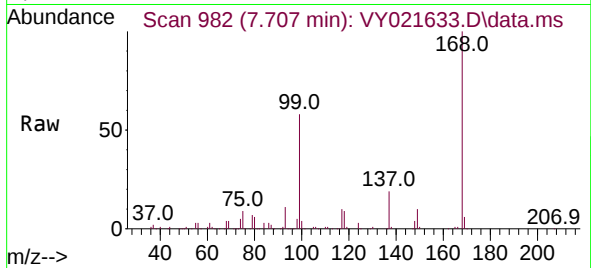




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

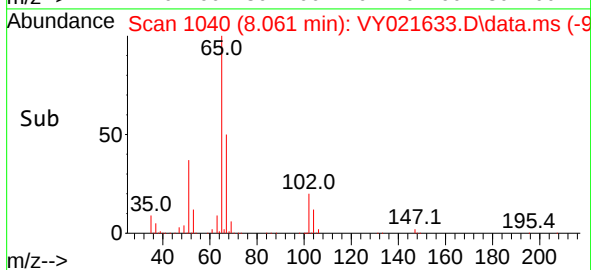
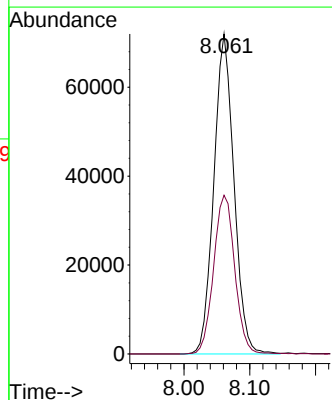
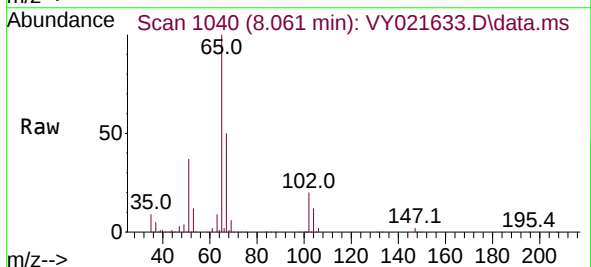
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

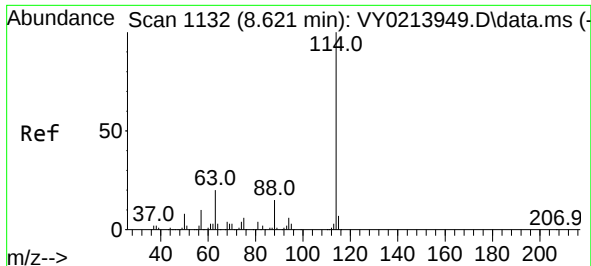
Tgt Ion: 56 Resp: 5599
Ion Ratio Lower Upper
56 100
69 159.5 27.0 40.4#
84 116.6 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 62.129 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

Tgt Ion: 65 Resp: 153413
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.8

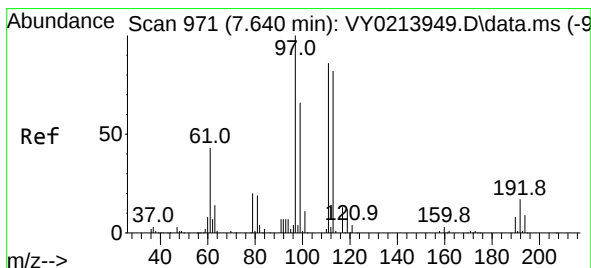
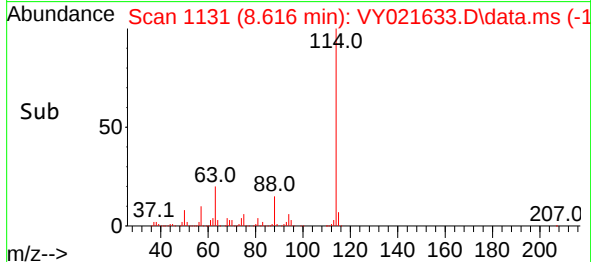
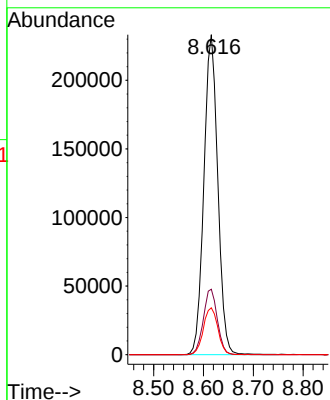
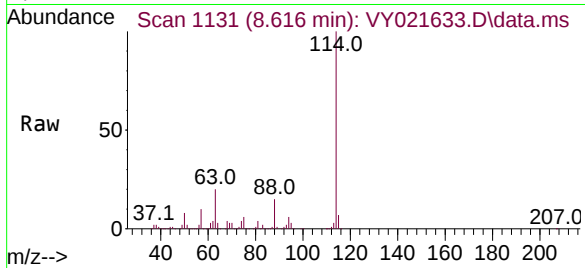




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

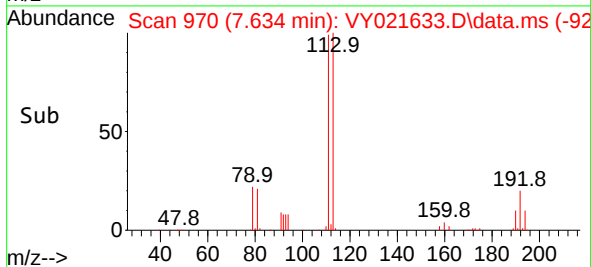
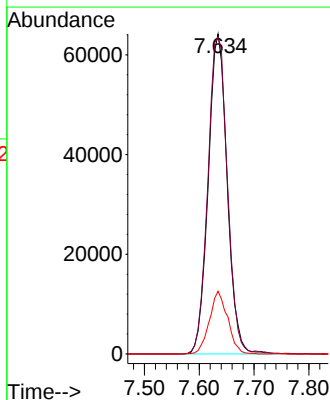
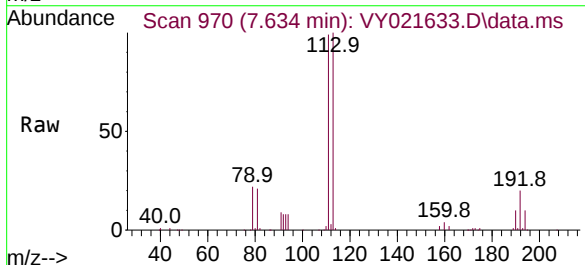
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

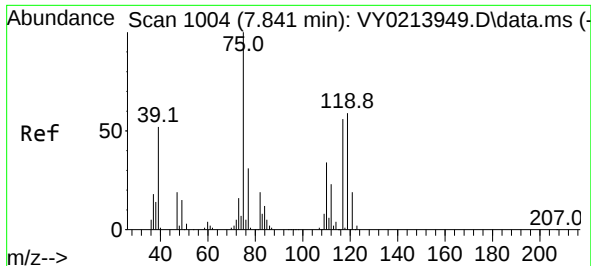
Tgt Ion:114 Resp: 450541
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 14.7 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.063 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

Tgt Ion:113 Resp: 154183
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 18.9 15.9 23.9

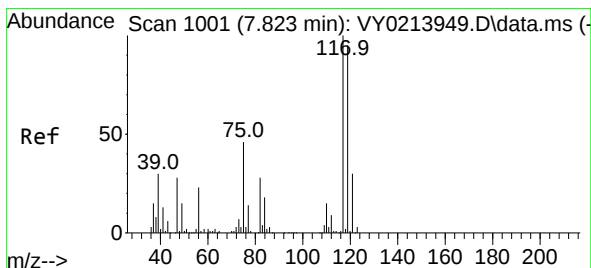
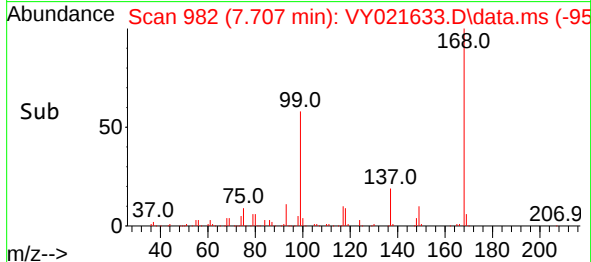
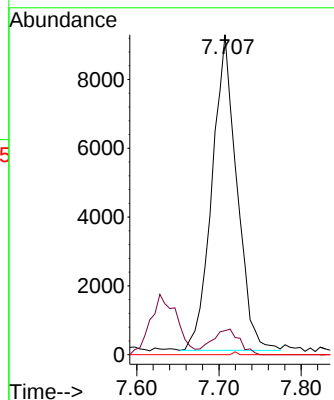
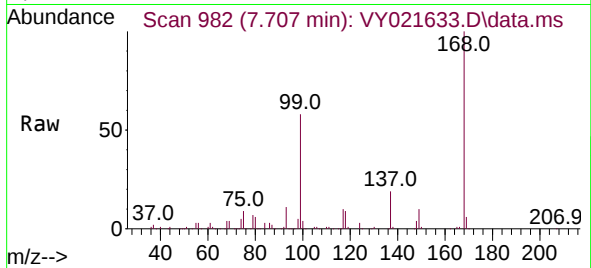




#36
1,1-Dichloropropene
Concen: 4.161 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

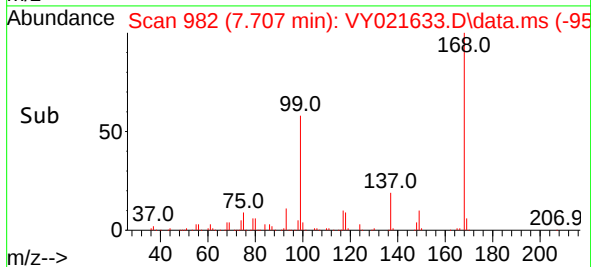
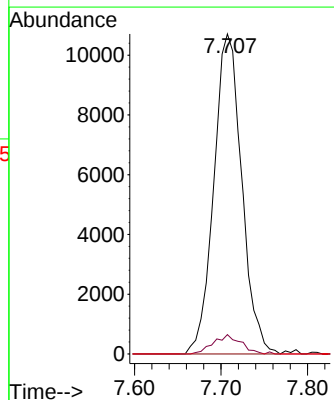
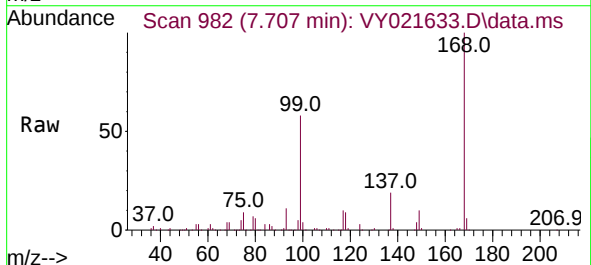
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

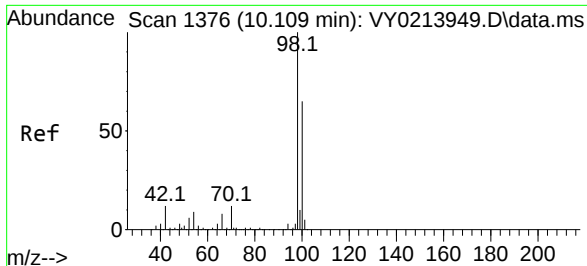
Tgt Ion: 75 Resp: 19288
Ion Ratio Lower Upper
75 100
110 9.0 17.3 51.7#
77 0.2 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.496 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

Tgt Ion: 117 Resp: 23968
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.8#
121 0.0 23.9 35.9#

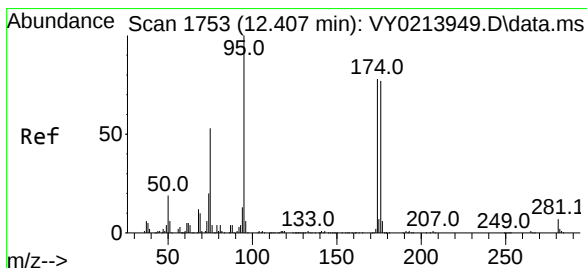
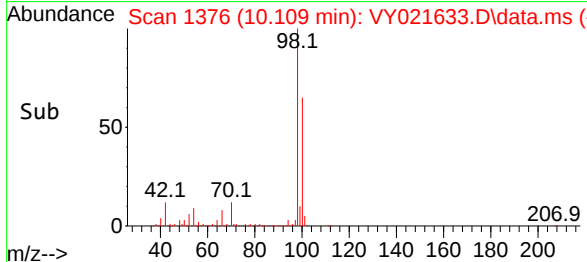
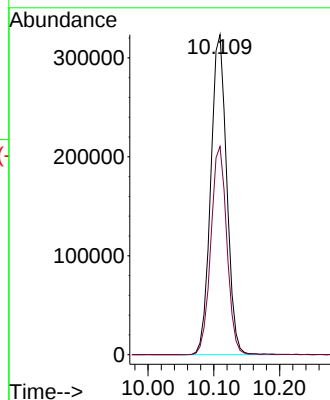
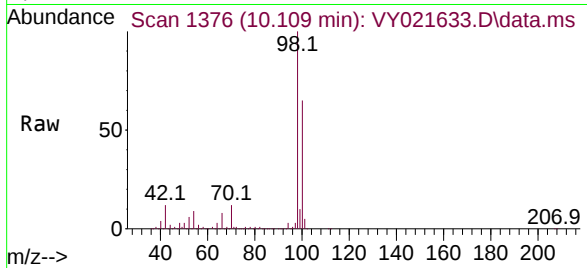




#50
Toluene-d8
Concen: 48.713 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

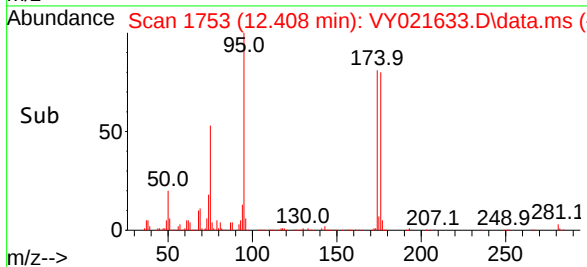
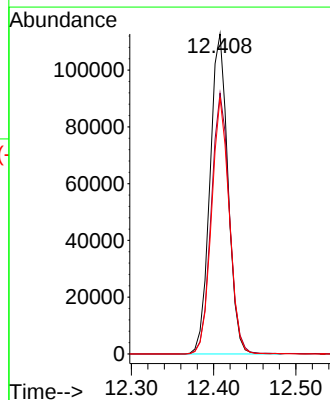
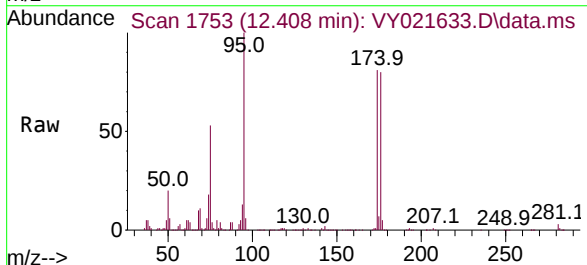
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WC-2-VOC

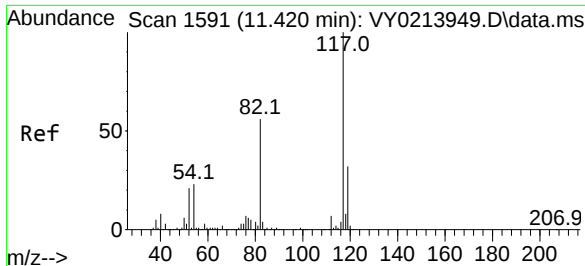
Tgt Ion: 98 Resp: 546220
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.018 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

Tgt Ion: 95 Resp: 171709
Ion Ratio Lower Upper
95 100
174 82.1 0.0 165.0
176 78.6 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY021633.D

Acq: 25 Mar 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-2-VOC

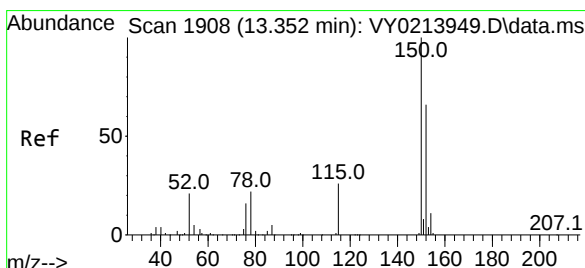
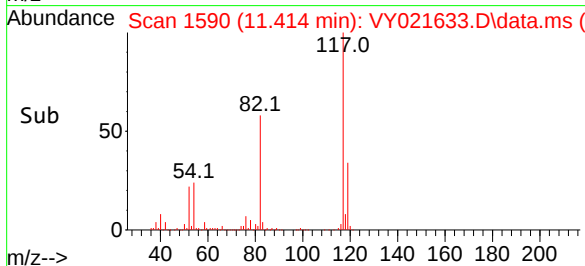
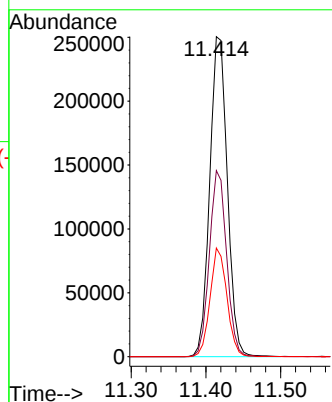
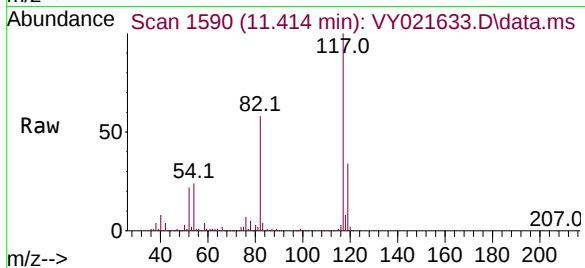
Tgt Ion:117 Resp: 410298

Ion Ratio Lower Upper

117 100

82 58.1 44.6 67.0

119 33.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021633.D

Acq: 25 Mar 2025 14:12

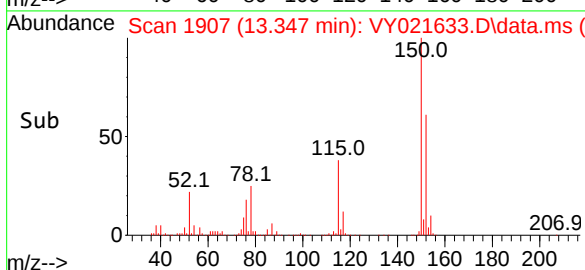
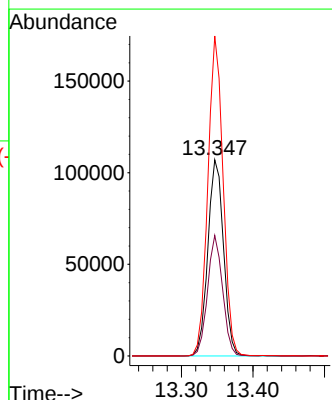
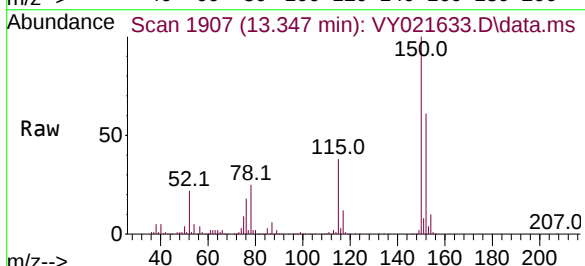
Tgt Ion:152 Resp: 162767

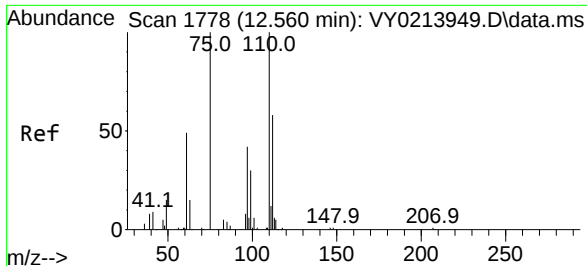
Ion Ratio Lower Upper

152 100

115 59.2 29.0 87.0

150 158.5 0.0 347.2

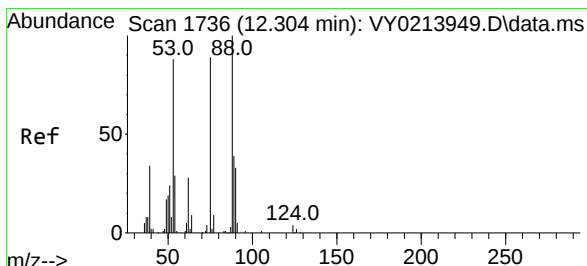
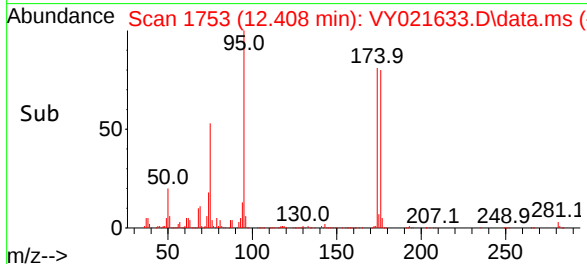
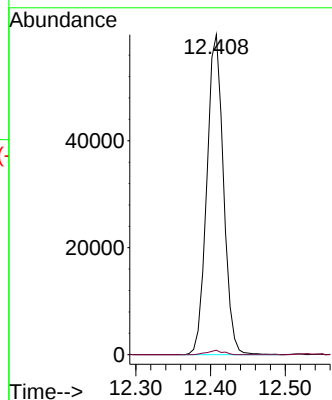
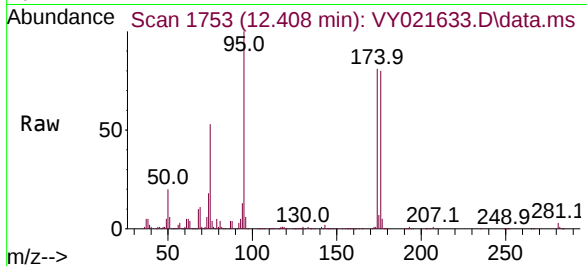




#76
 1,2,3-Trichloropropane
 Concen: 56.341 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021633.D
 Acq: 25 Mar 2025 14:12

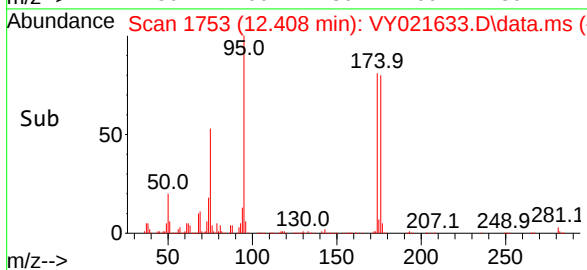
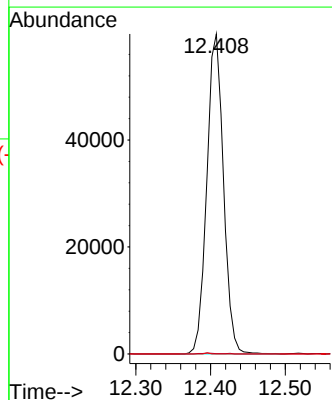
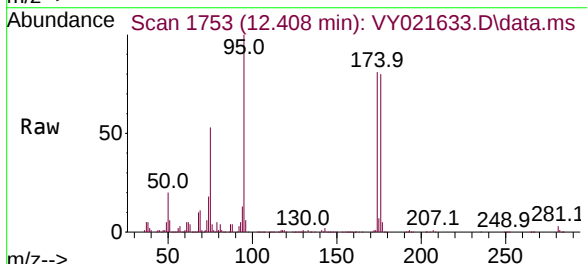
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2-VOC

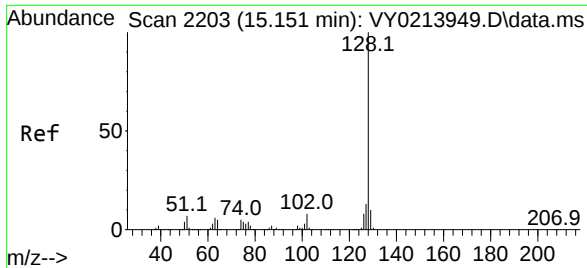
Tgt Ion: 75 Resp: 92409
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.080 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021633.D
 Acq: 25 Mar 2025 14:12

Tgt Ion: 75 Resp: 92409
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.0 121.4#
 89 0.1 36.9 55.3#





#95

Naphthalene

Concen: 1.622 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021633.D

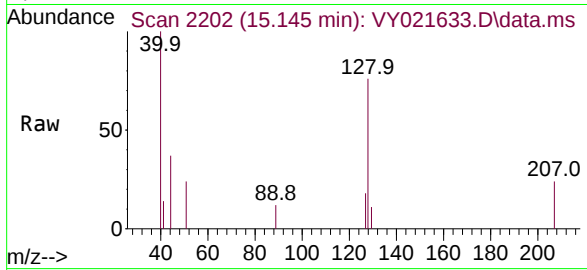
Acq: 25 Mar 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-2-VOC



Tgt Ion:128 Resp: 766

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 8.2 8.6 13.0#

