

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021637.D
 Acq On : 25 Mar 2025 15:46
 Operator : SY/MD
 Sample : Q1636-19
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5-VOC

Quant Time: Mar 26 01:37:24 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)

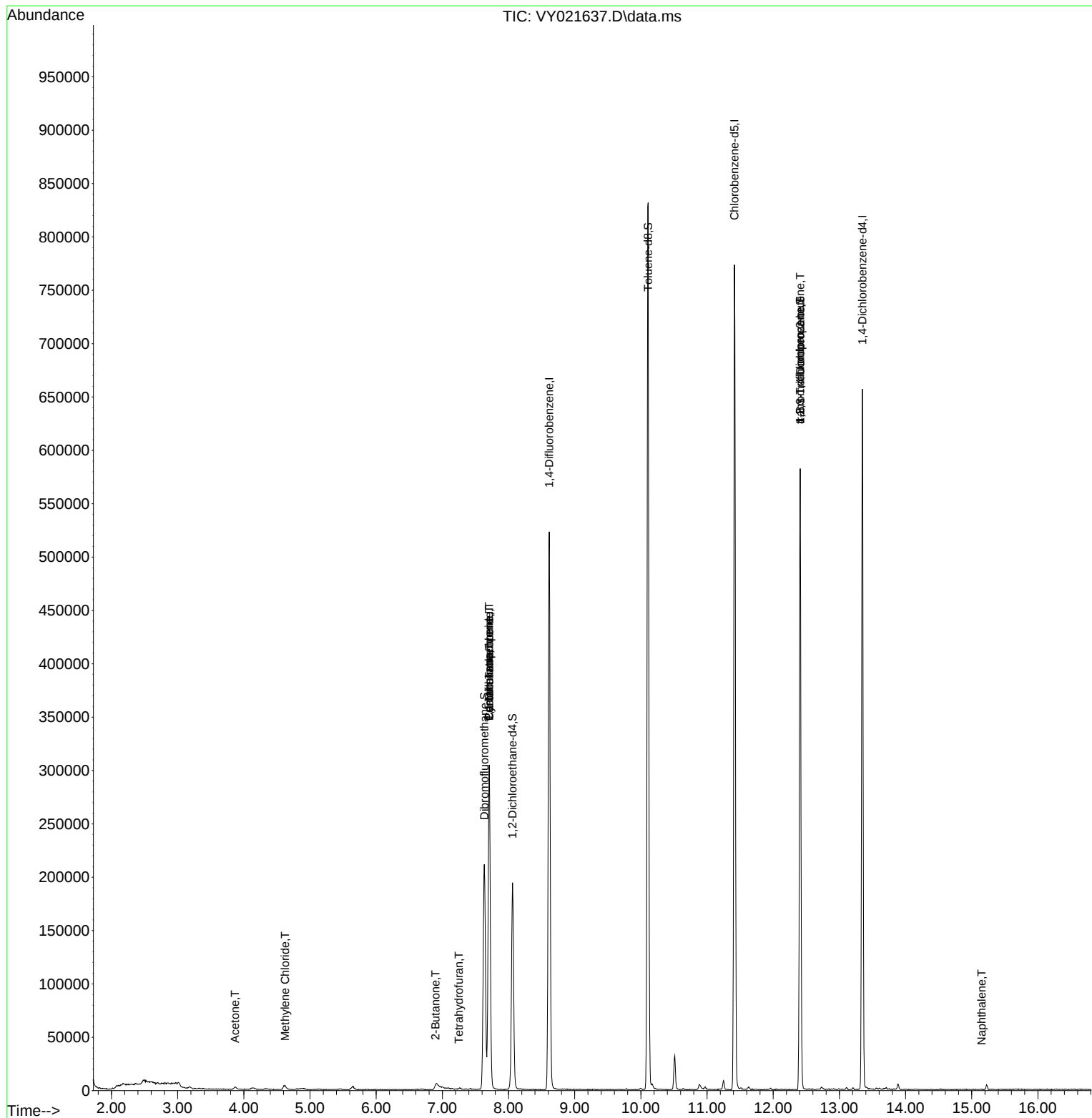
Internal Standards						
1) Pentafluorobenzene	7.707	168	226016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	432529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	402259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150534	63.015	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.040%	
35) Dibromofluoromethane	7.634	113	148755	52.322	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.640%	
50) Toluene-d8	10.109	98	530493	49.280	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.560%	
62) 4-Bromofluorobenzene	12.408	95	165706	45.253	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	753	Below Cal	#	87
16) Acetone	3.866	43	4114	7.896	ug/l	94
20) Methylene Chloride	4.622	84	2740	1.002	ug/l #	79
25) 2-Butanone	6.896	43	2616	3.630	ug/l #	82
29) Tetrahydrofuran	7.250	42	776	1.744	ug/l #	36
31) Cyclohexane	7.707	56	5122	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18528	4.163	ug/l #	49
38) Carbon Tetrachloride	7.707	117	23227	4.538	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	89727	56.373	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	89727	128.153	ug/l #	9
95) Naphthalene	15.151	128	255	1.508	ug/l #	78

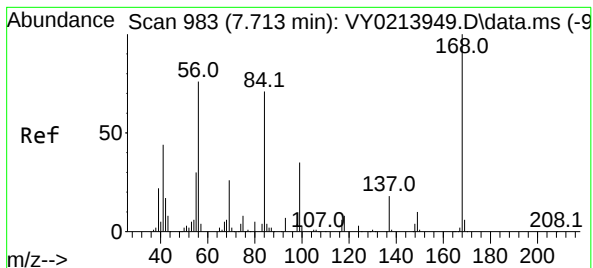
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
Data File : VY021637.D
Acq On : 25 Mar 2025 15:46
Operator : SY/MD
Sample : Q1636-19
Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

Quant Time: Mar 26 01:37:24 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021637.D

Acq: 25 Mar 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

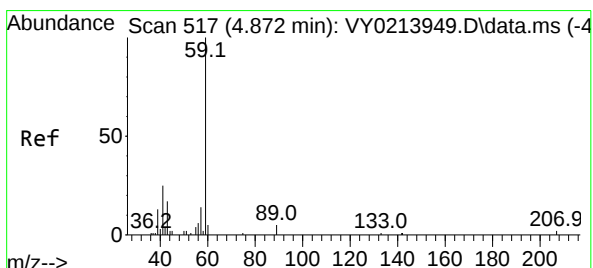
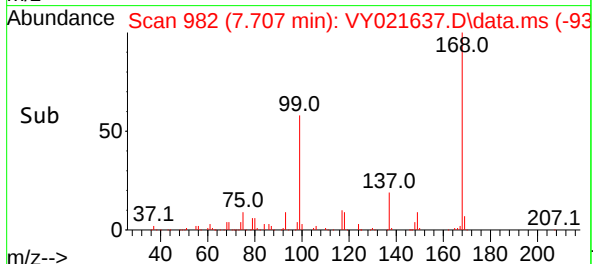
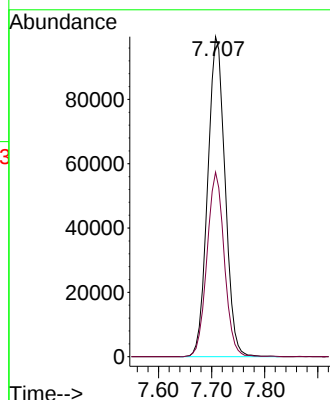
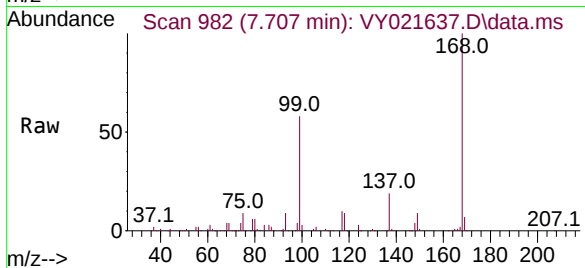
WC-5-VOC

Tgt Ion:168 Resp: 226016

Ion Ratio Lower Upper

168 100

99 57.6 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: VY021637.D

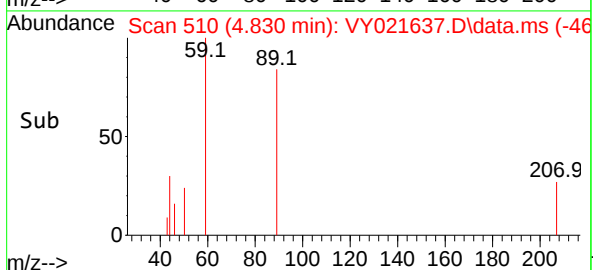
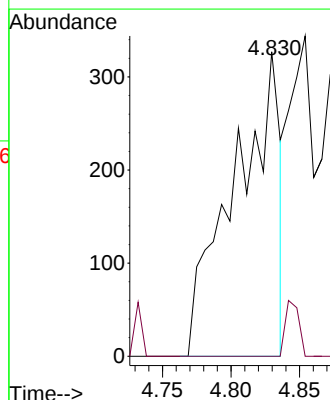
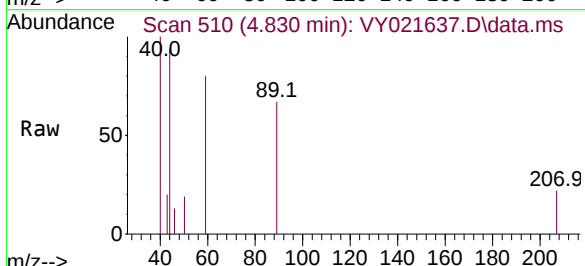
Acq: 25 Mar 2025 15:46

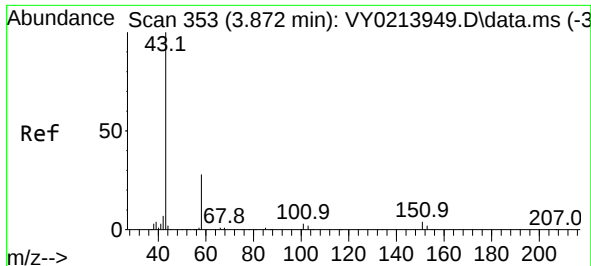
Tgt Ion: 59 Resp: 753

Ion Ratio Lower Upper

59 100

57 5.4 8.2 12.4#

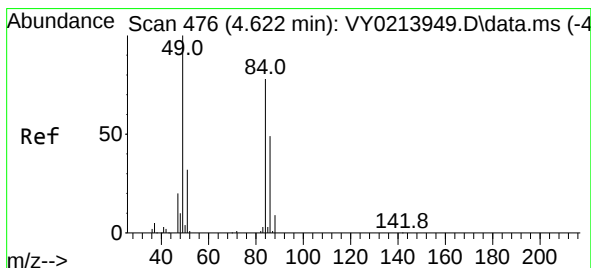
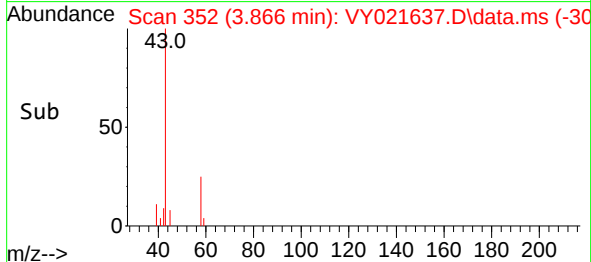
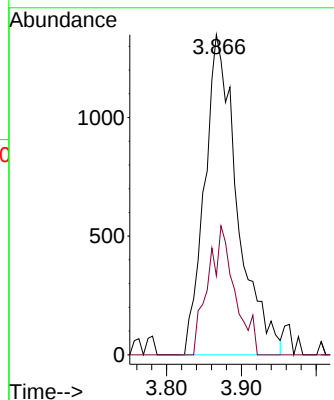
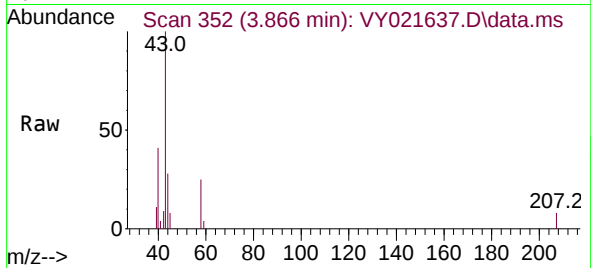




#16
Acetone
Concen: 7.896 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

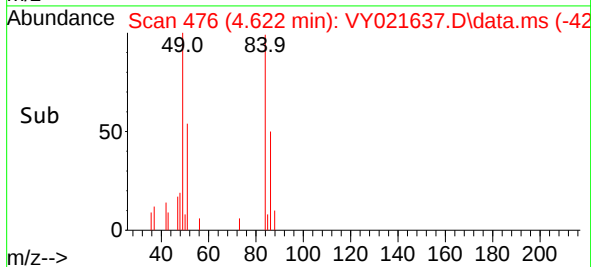
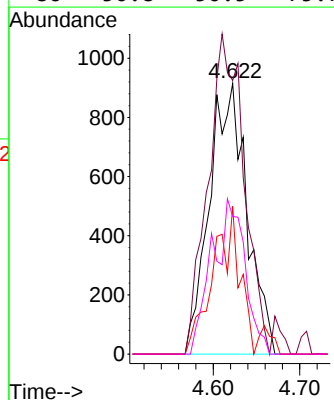
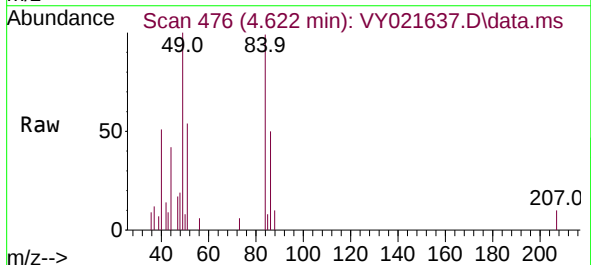
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

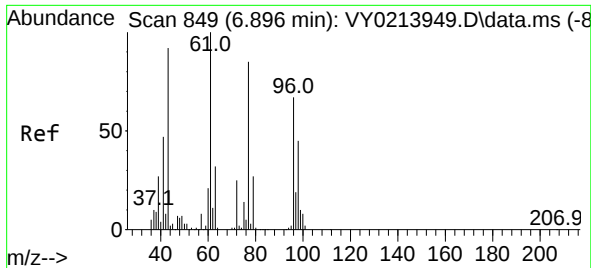
Tgt Ion: 43 Resp: 4114
Ion Ratio Lower Upper
43 100
58 24.7 22.1 33.1



#20
Methylene Chloride
Concen: 1.002 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

Tgt Ion: 84 Resp: 2740
Ion Ratio Lower Upper
84 100
49 101.1 102.0 153.0#
51 54.5 33.0 49.6#
86 50.8 50.5 75.7

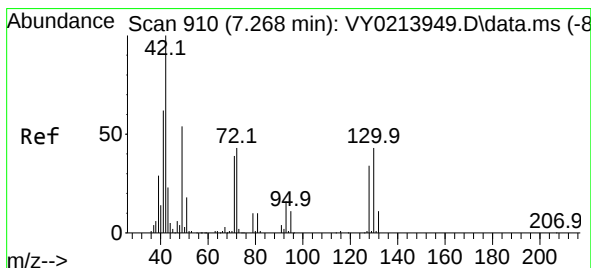
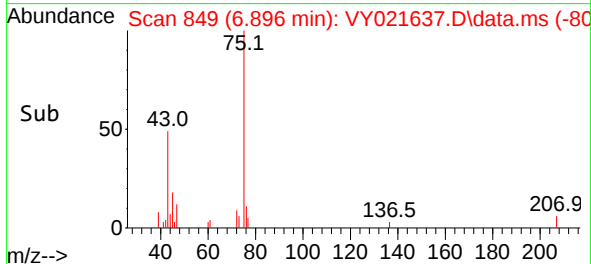
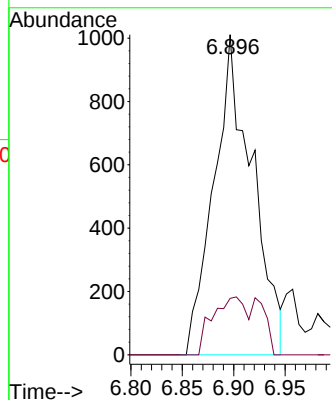
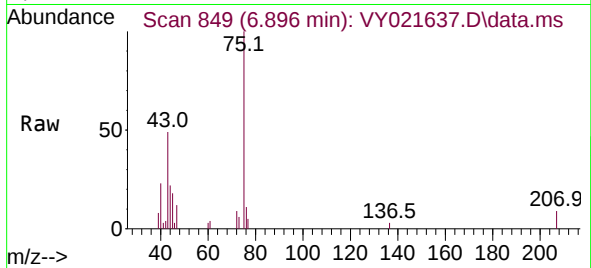




#25
2-Butanone
Concen: 3.630 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

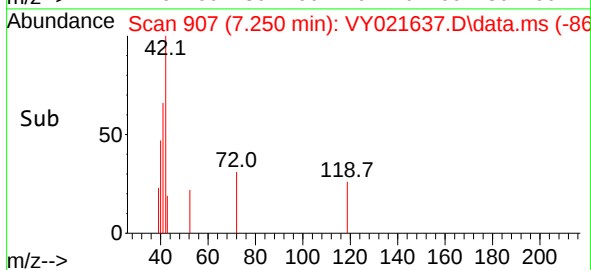
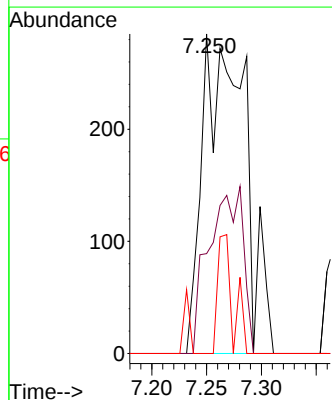
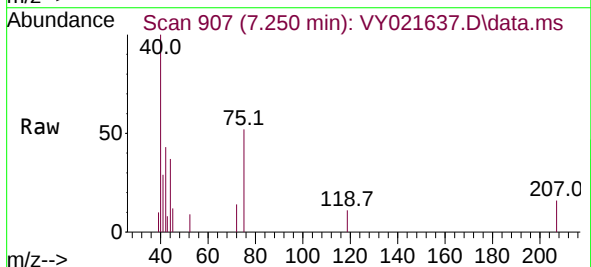
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

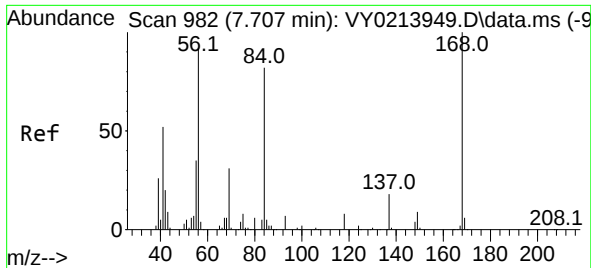
Tgt Ion: 43 Resp: 2616
Ion Ratio Lower Upper
43 100
72 17.6 21.4 32.0#



#29
Tetrahydrofuran
Concen: 1.744 ug/l
RT: 7.250 min Scan# 907
Delta R.T. -0.018 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

Tgt Ion: 42 Resp: 776
Ion Ratio Lower Upper
42 100
72 0.0 34.8 52.2#
71 2.7 32.6 48.8#

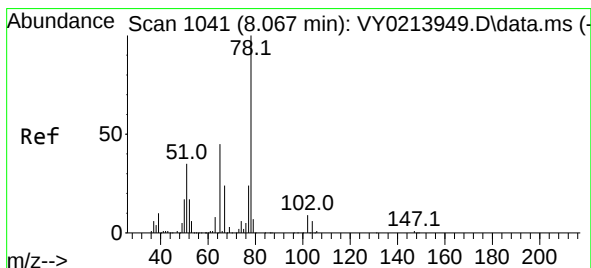
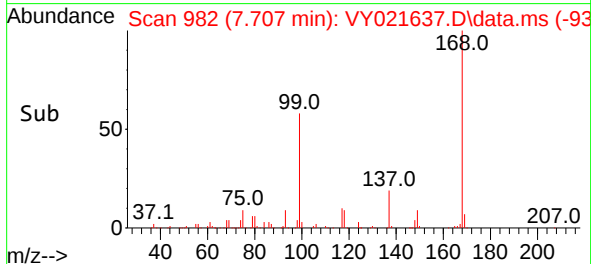
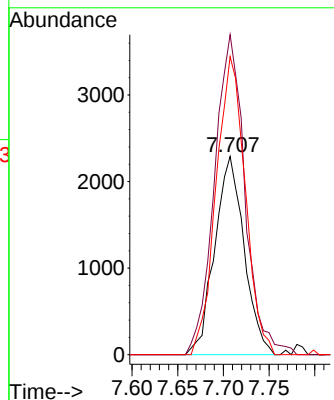
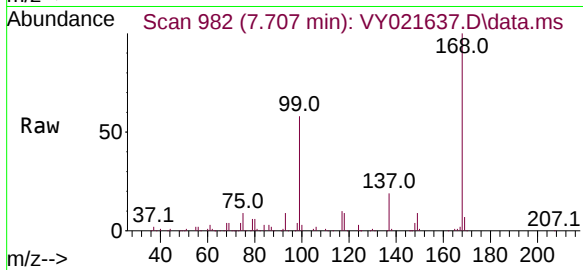




#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

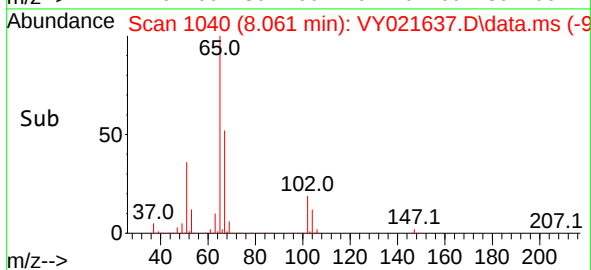
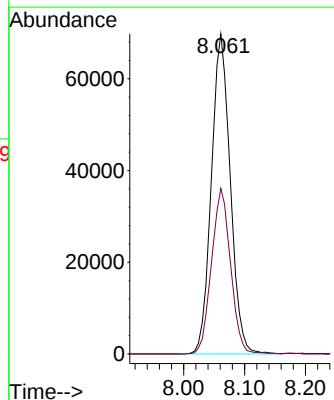
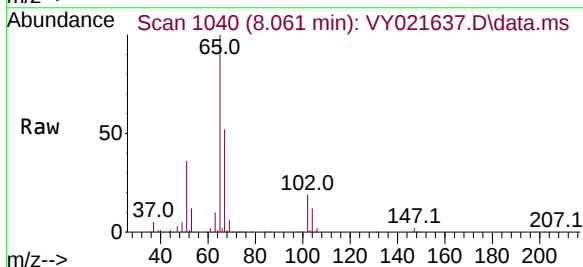
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

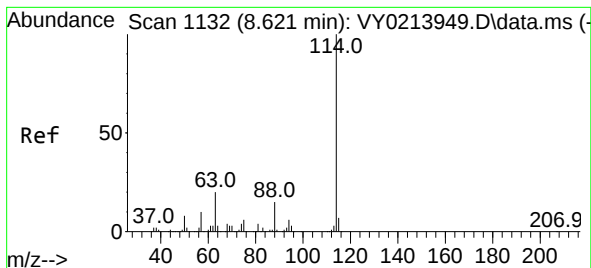
Tgt Ion: 56 Resp: 5122
Ion Ratio Lower Upper
56 100
69 161.4 27.0 40.4#
84 150.4 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 63.015 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

Tgt Ion: 65 Resp: 150534
Ion Ratio Lower Upper
65 100
67 52.0 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: VY021637.D

Acq: 25 Mar 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC

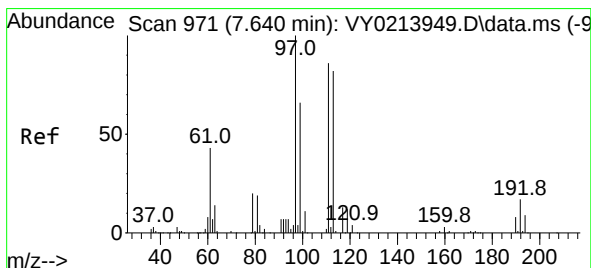
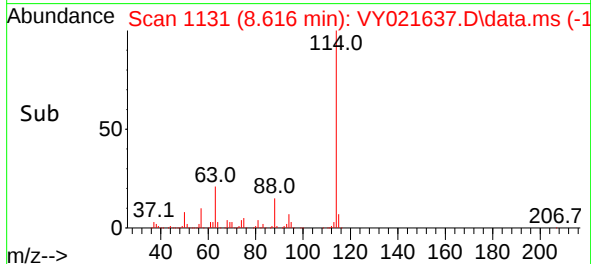
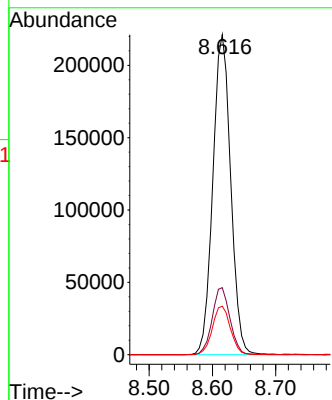
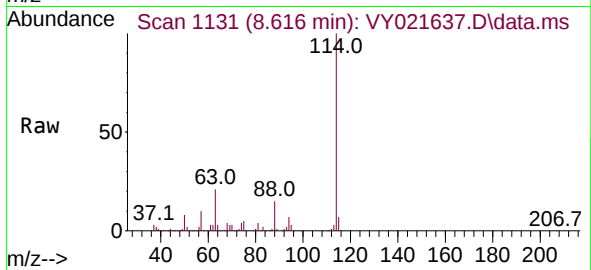
Tgt Ion:114 Resp: 432529

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 15.2 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.322 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021637.D

Acq: 25 Mar 2025 15:46

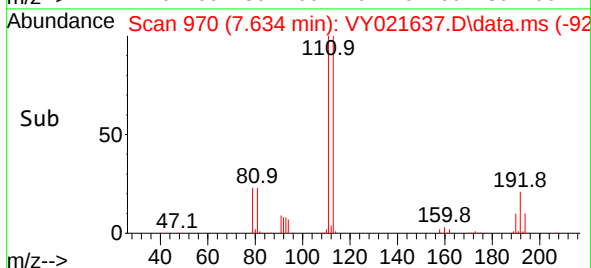
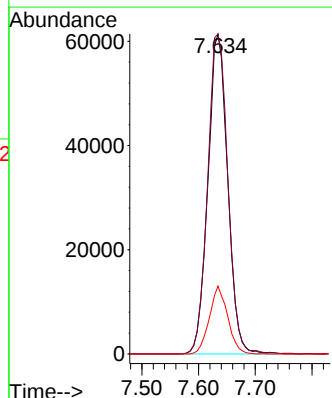
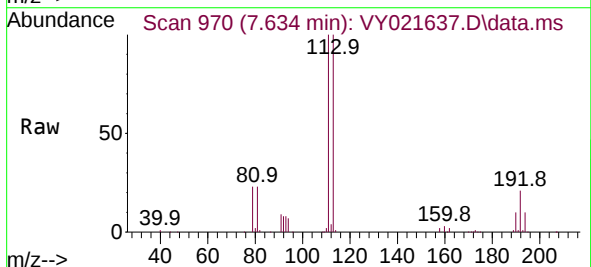
Tgt Ion:113 Resp: 148755

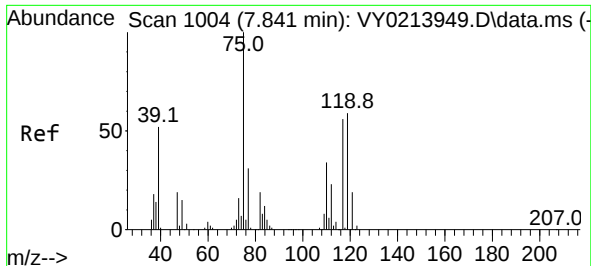
Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

192 19.6 15.9 23.9

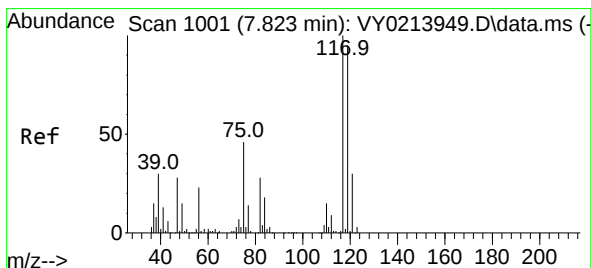
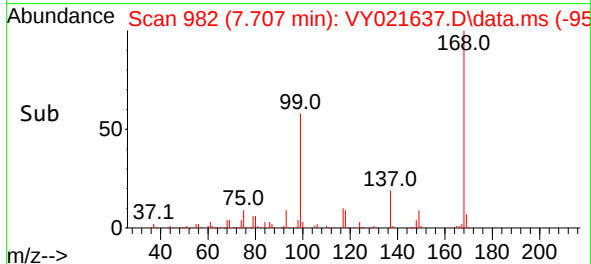
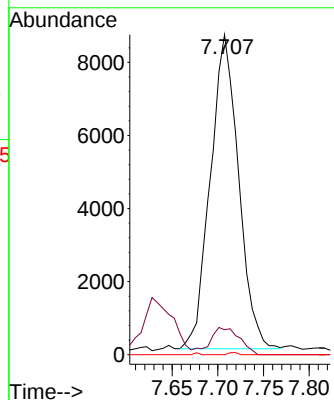
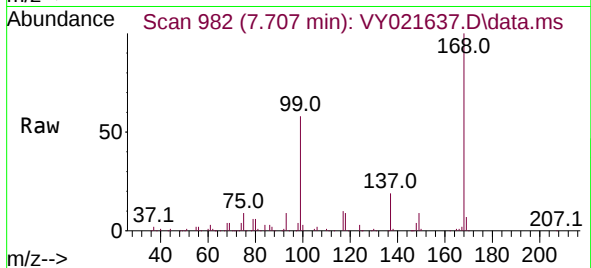




#36
1,1-Dichloropropene
Concen: 4.163 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

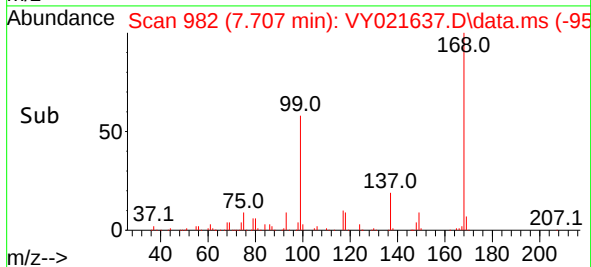
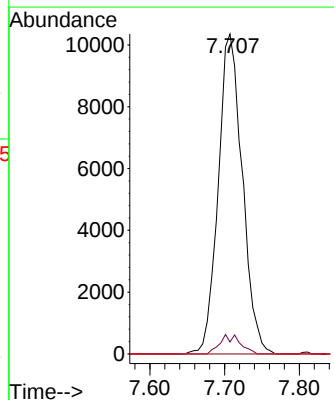
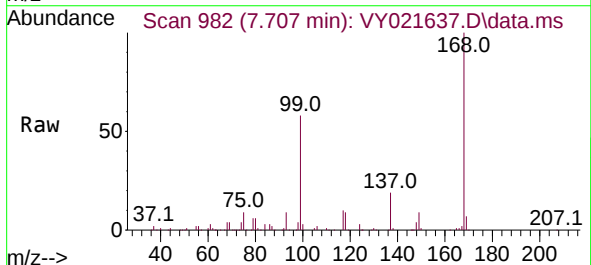
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

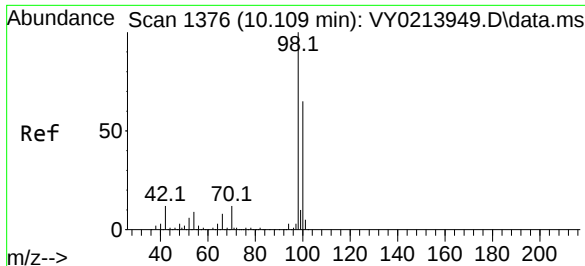
Tgt Ion: 75 Resp: 18528
Ion Ratio Lower Upper
75 100
110 8.3 17.3 51.7#
77 0.2 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.538 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.115 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

Tgt Ion: 117 Resp: 23227
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.8#
121 0.0 23.9 35.9#

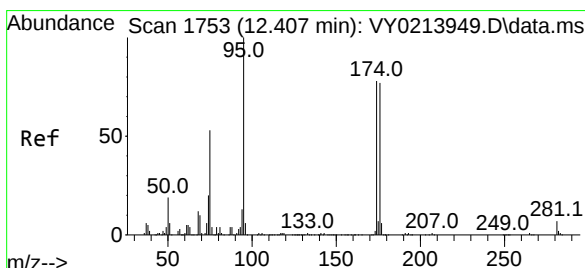
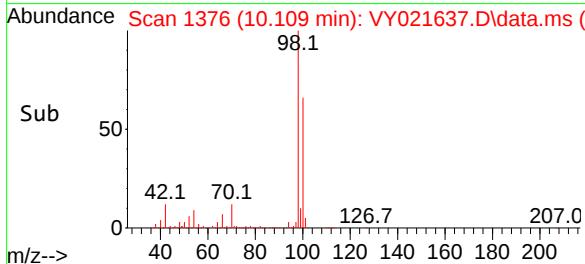
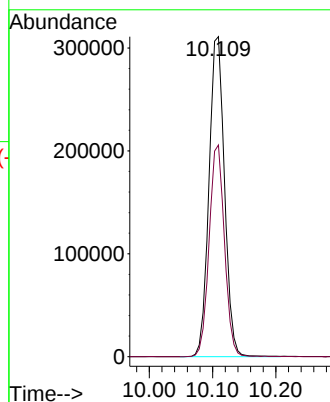
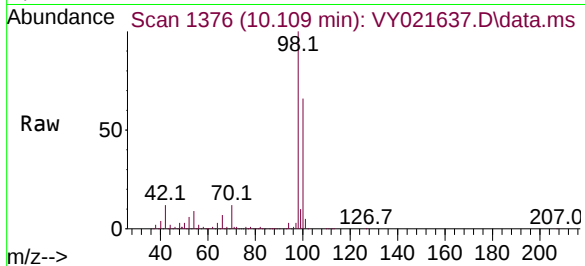




#50
Toluene-d8
Concen: 49.280 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

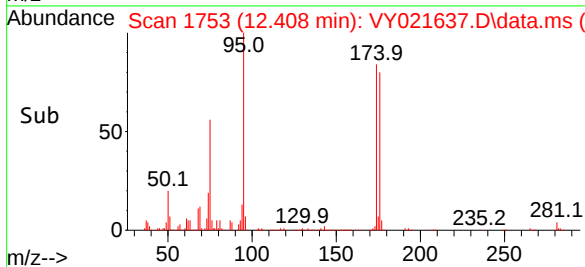
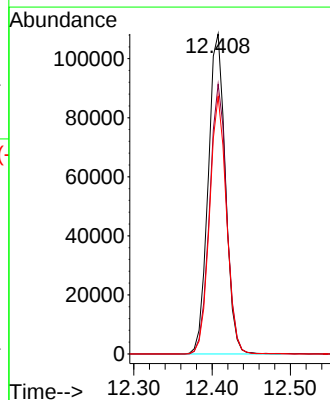
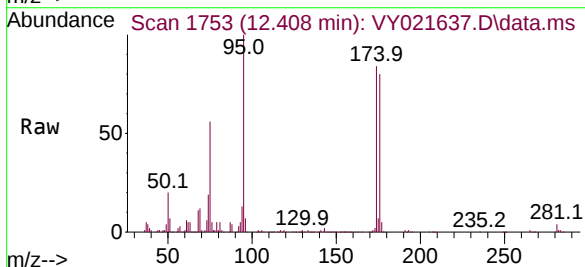
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

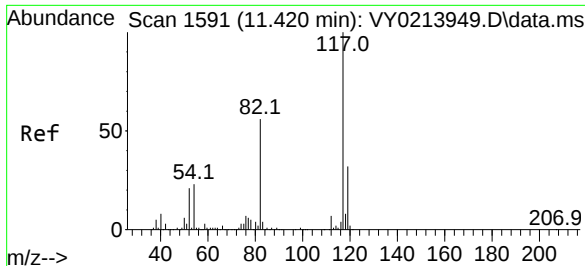
Tgt Ion: 98 Resp: 530493
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.253 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

Tgt Ion: 95 Resp: 165706
Ion Ratio Lower Upper
95 100
174 83.3 0.0 165.0
176 78.9 0.0 160.0

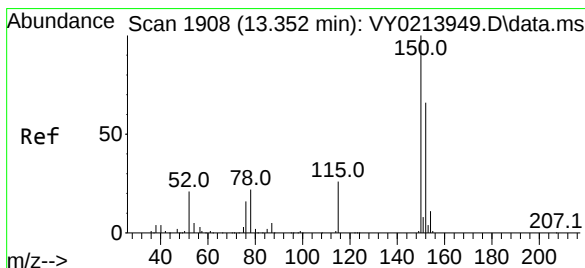
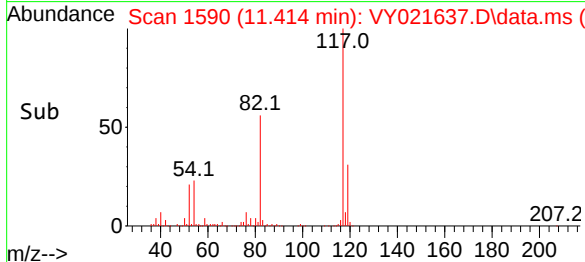
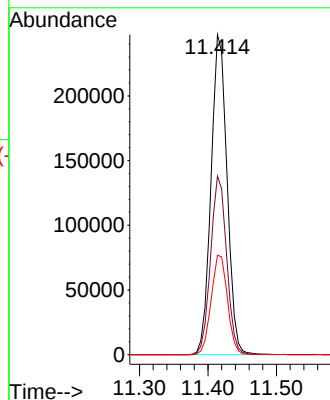
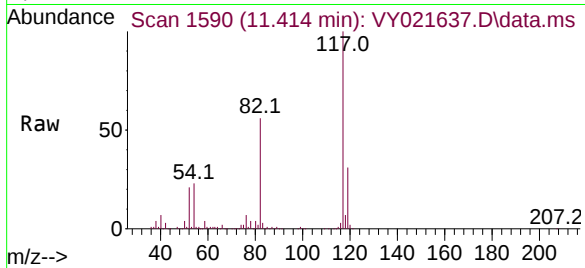




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

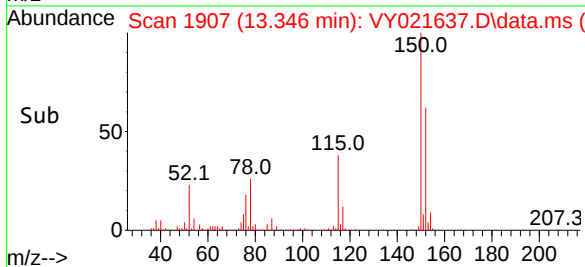
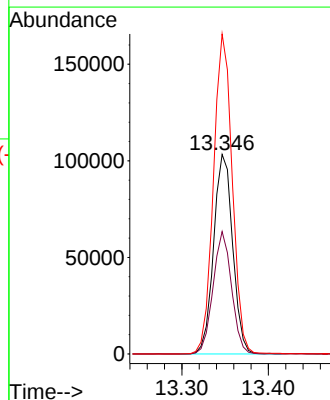
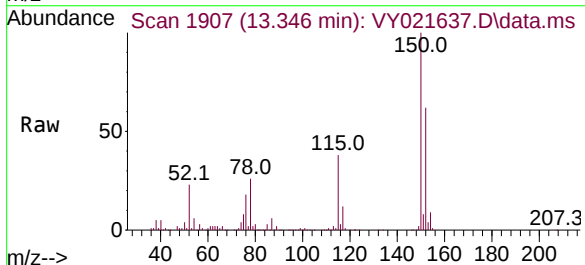
Instrument :
MSVOA_Y
ClientSampleId :
WC-5-VOC

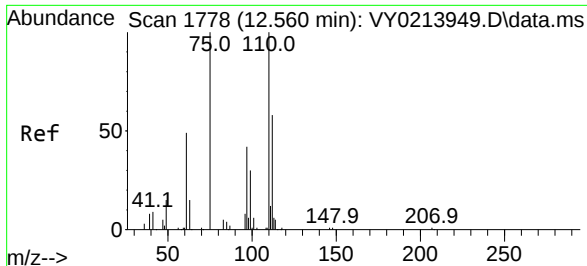
Tgt Ion:117 Resp: 402259
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021637.D
Acq: 25 Mar 2025 15:46

Tgt Ion:152 Resp: 157953
Ion Ratio Lower Upper
152 100
115 59.4 29.0 87.0
150 158.0 0.0 347.2

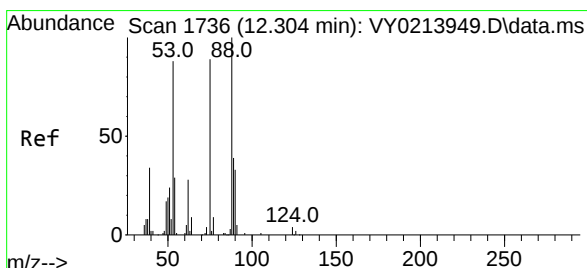
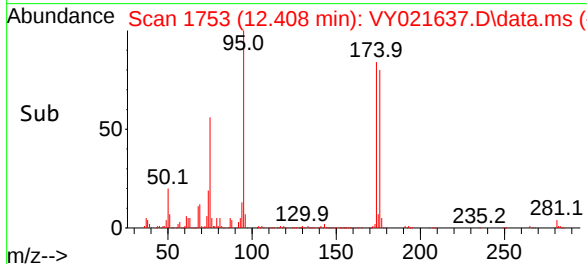
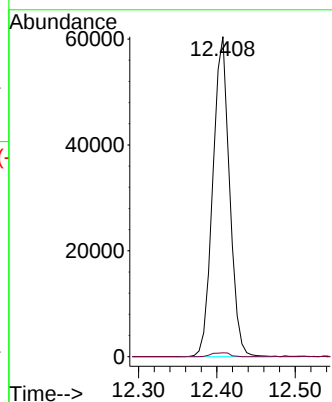
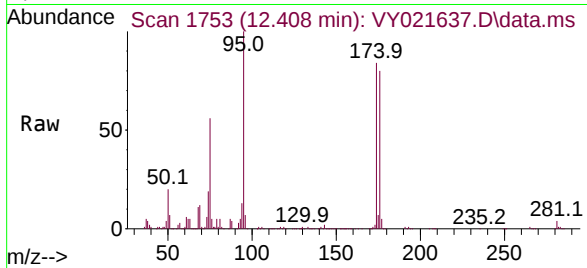




#76
 1,2,3-Trichloropropane
 Concen: 56.373 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021637.D
 Acq: 25 Mar 2025 15:46

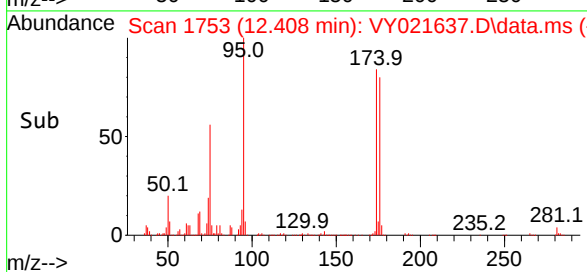
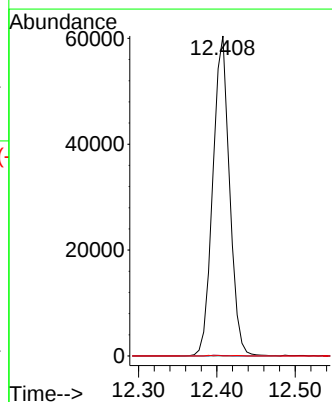
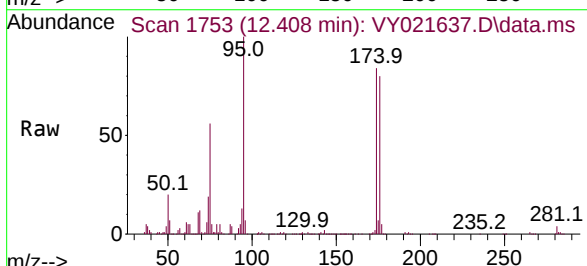
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-5-VOC

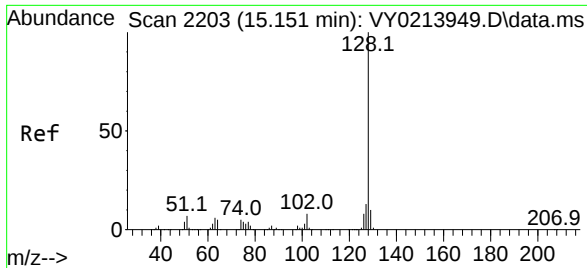
Tgt Ion: 75 Resp: 89727
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.153 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021637.D
 Acq: 25 Mar 2025 15:46

Tgt Ion: 75 Resp: 89727
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.4#
 89 0.1 36.9 55.3#





#95

Naphthalene

Concen: 1.508 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY021637.D

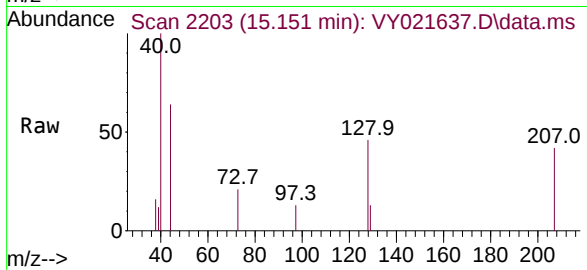
Acq: 25 Mar 2025 15:46

Instrument :

MSVOA_Y

ClientSampleId :

WC-5-VOC



Tgt Ion:128	Resp:	255
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.6 15.8#
129	7.8	8.6 13.0#

