

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052423\
 Data File : VY013853.D
 Acq On : 24 May 2023 17:55
 Operator : KP/MD
 Sample : 02886-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: May 25 07:09:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

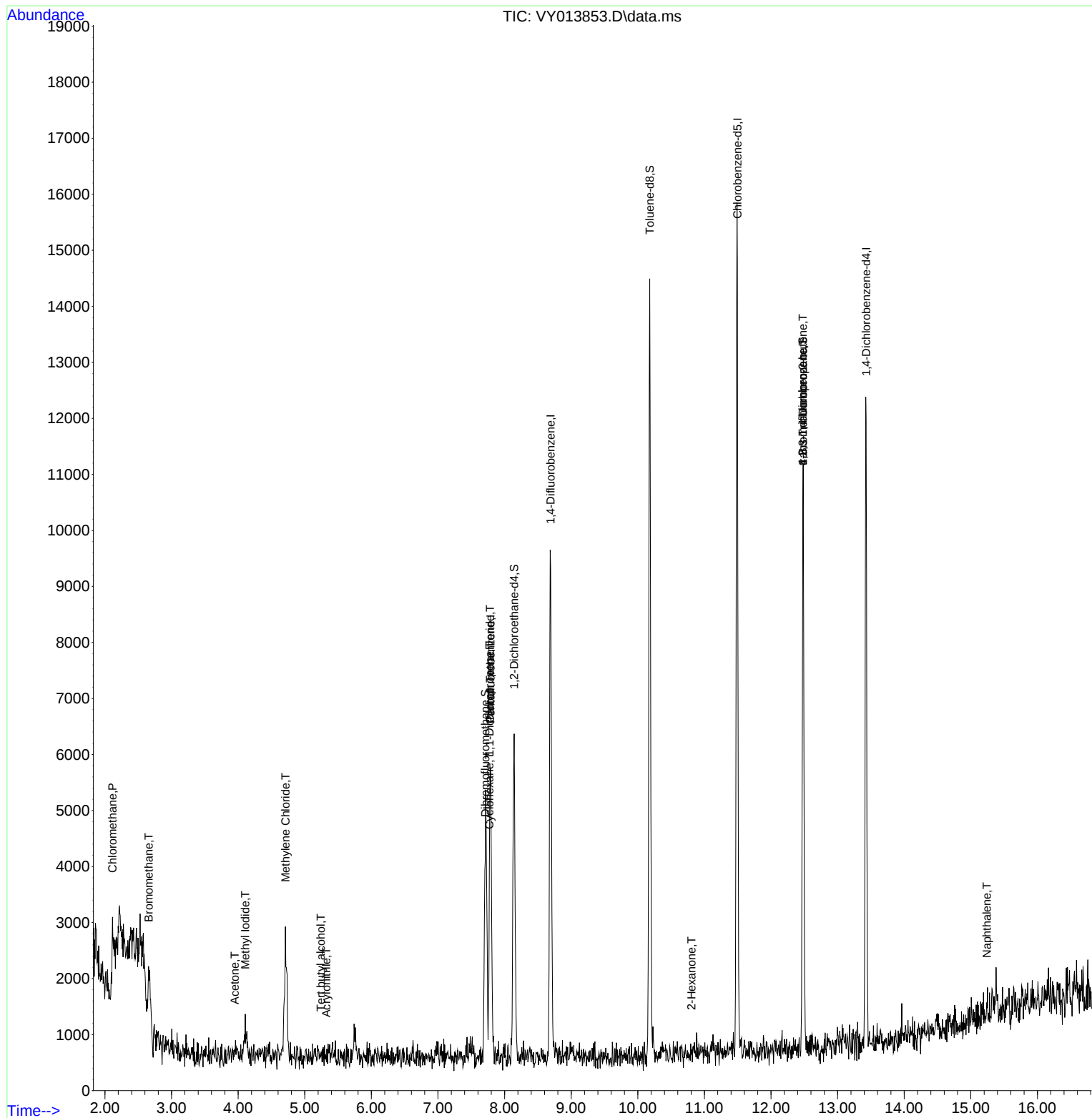
Internal Standards						
1) Pentafluorobenzene	7.789	168	4590	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	7969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	8530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4532	85.346	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 170.700%#	
35) Dibromofluoromethane	7.709	113	3513	68.261	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 136.520%	
50) Toluene-d8	10.178	98	9859	50.404	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.800%	
62) 4-Bromofluorobenzene	12.477	95	3072	47.249	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	451	8.805	ug/l	# 70
5) Bromomethane	2.655	94	367	8.817	ug/l	# 63
10) Methyl Iodide	4.106	142	721	12.708	ug/l	# 68
11) Tert butyl alcohol	5.240	59	43	10.570	ug/l	# 73
15) Acrylonitrile	5.326	53	23	1.659	ug/l	# 13
16) Acetone	3.948	43	352	22.334	ug/l	# 46
20) Methylene Chloride	4.710	84	1568	26.885	ug/l	# 75
31) Cyclohexane	7.770	56	117	1.434	ug/l	# 64
36) 1,1-Dichloropropene	7.776	75	282	3.598	ug/l	# 48
38) Carbon Tetrachloride	7.782	117	484	5.429	ug/l	# 13
59) 2-Hexanone	10.806	43	37	1.120	ug/l	# 28
76) 1,2,3-Trichloropropane	12.477	75	1712	47.340	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	1712	102.760	ug/l	# 10
95) Naphthalene	15.238	128	21	4.695	ug/l	# 68

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
Response via : Initial Calibration

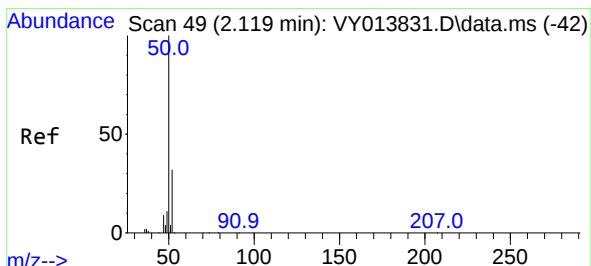
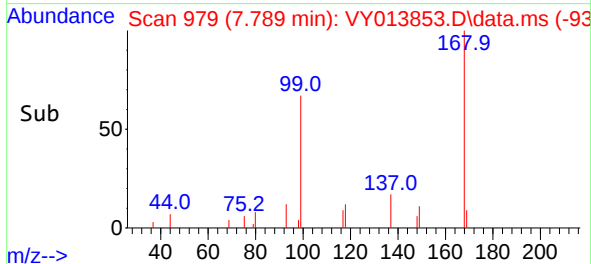
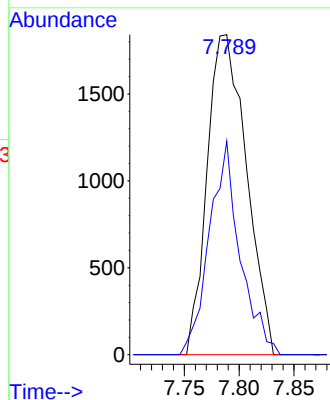
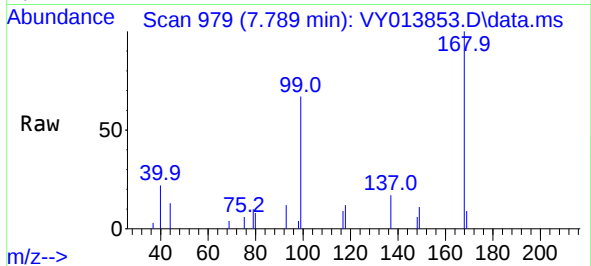




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

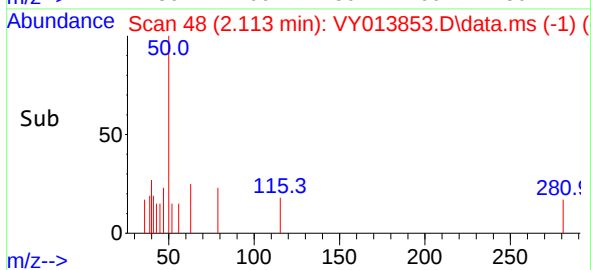
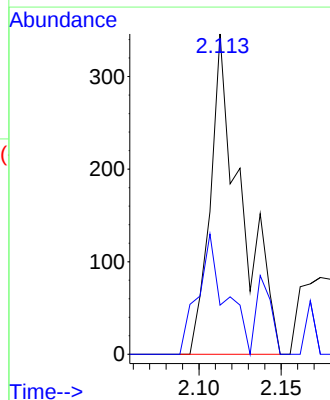
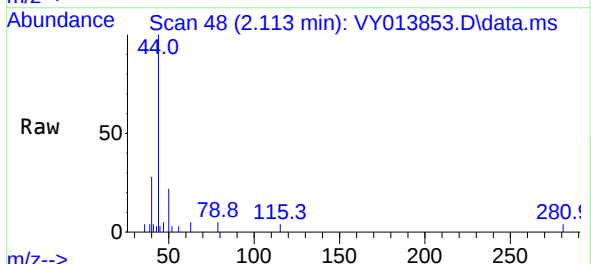
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

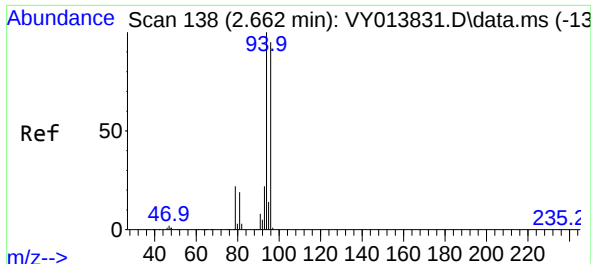
Tgt Ion:168 Resp: 4590
Ion Ratio Lower Upper
168 100
99 66.7 43.4 65.2#



#3
Chloromethane
Concen: 8.805 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

Tgt Ion: 50 Resp: 451
Ion Ratio Lower Upper
50 100
52 15.3 25.7 38.5#

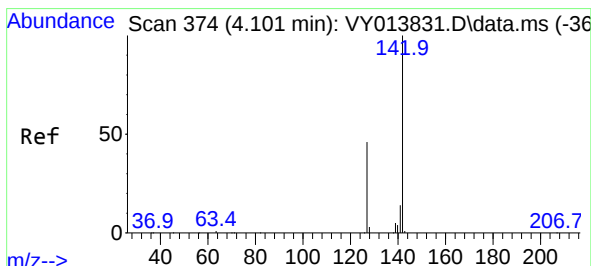
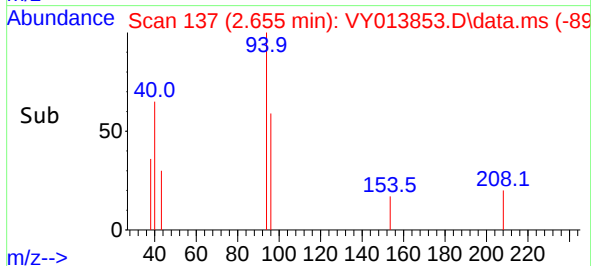
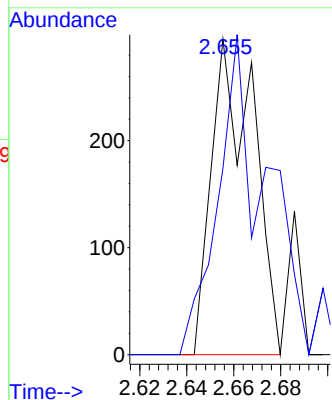
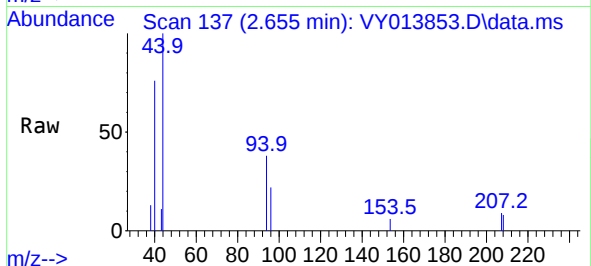




#5
Bromomethane
Concen: 8.817 ug/l
RT: 2.655 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

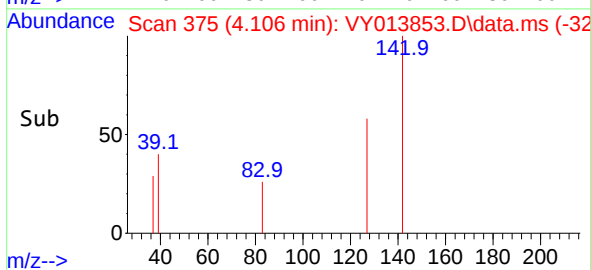
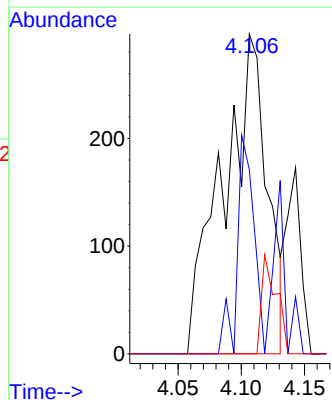
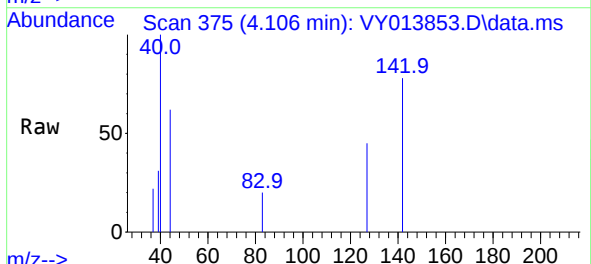
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

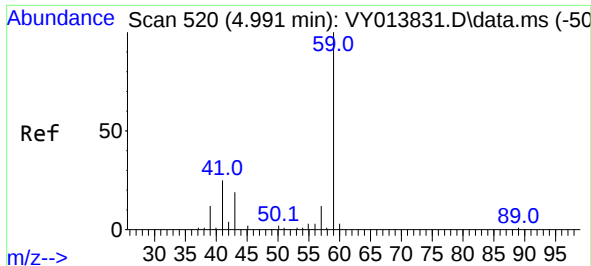
Tgt Ion: 94 Resp: 367
Ion Ratio Lower Upper
94 100
96 59.0 76.2 114.2#



#10
Methyl Iodide
Concen: 12.708 ug/l
RT: 4.106 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

Tgt Ion:142 Resp: 721
Ion Ratio Lower Upper
142 100
127 26.1 37.0 55.4#
141 0.0 11.8 17.6#





#11

Tert butyl alcohol

Concen: 10.570 ug/l

RT: 5.240 min Scan# 5

Delta R.T. 0.250 min

Lab File: VY013853.D

Acq: 24 May 2023 17:55

Instrument :

MSVOA_Y

ClientSampleId :

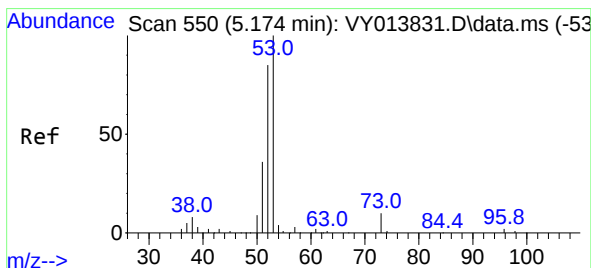
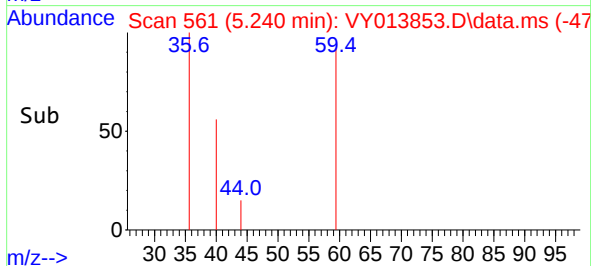
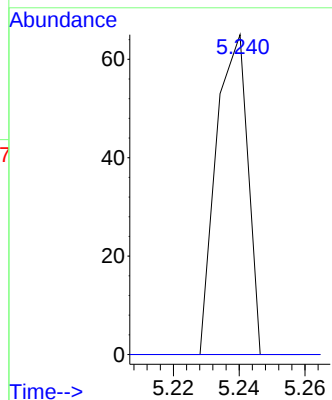
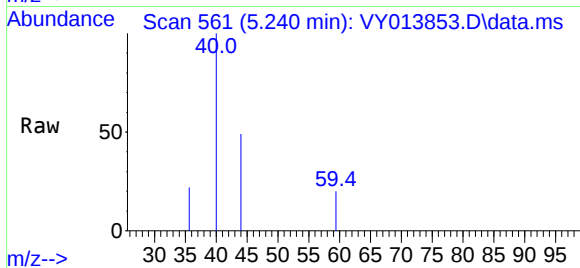
WC-1

Tgt Ion: 59 Resp: 43

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#15

Acrylonitrile

Concen: 1.659 ug/l

RT: 5.326 min Scan# 575

Delta R.T. 0.152 min

Lab File: VY013853.D

Acq: 24 May 2023 17:55

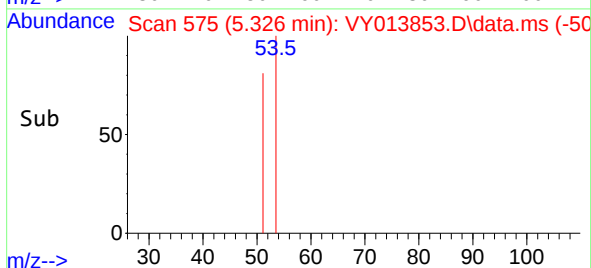
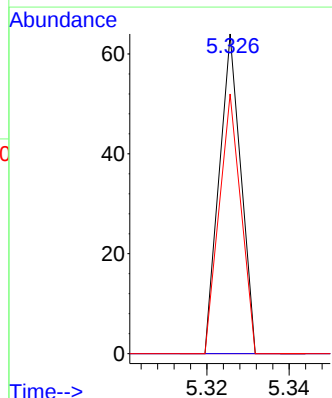
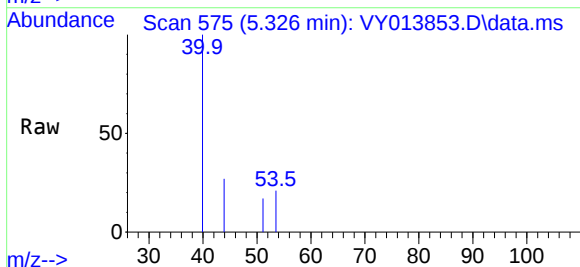
Tgt Ion: 53 Resp: 23

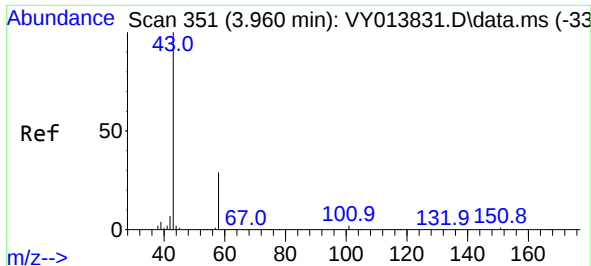
Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 82.6 30.2 45.2#

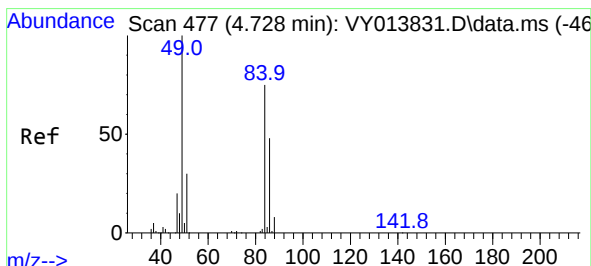
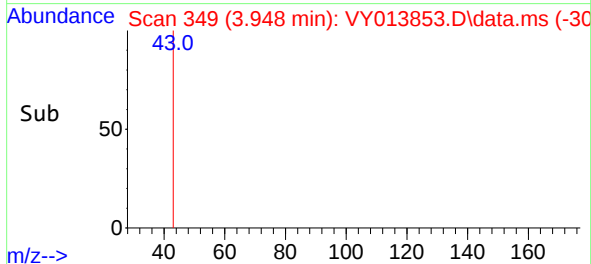
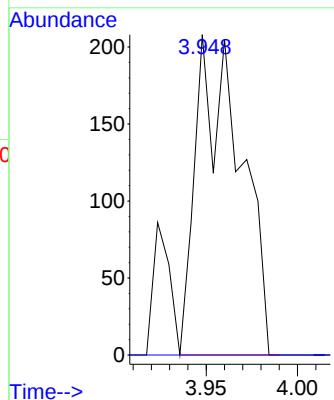
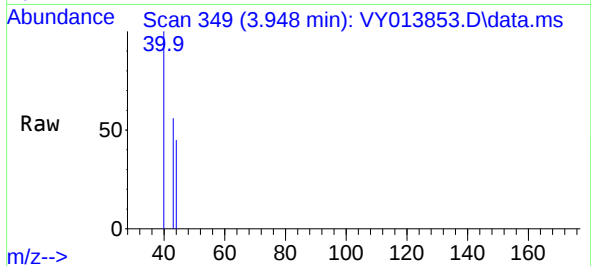




#16
Acetone
Concen: 22.334 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

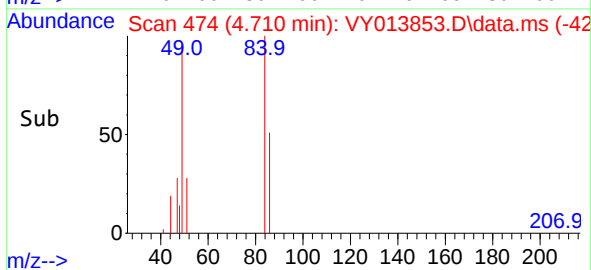
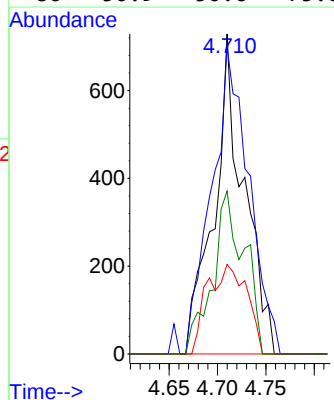
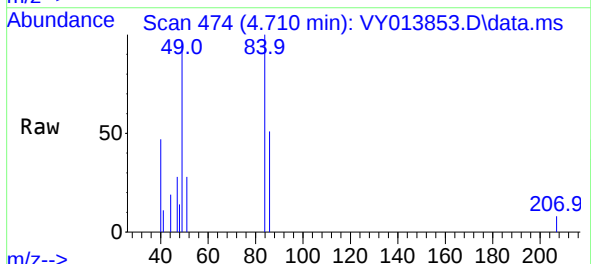
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

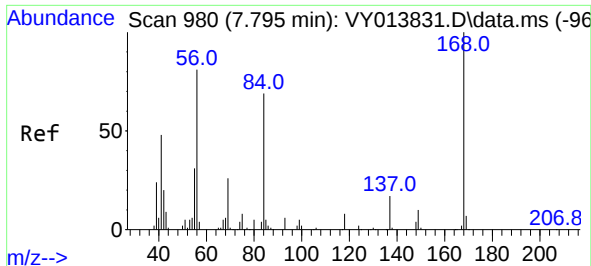
Tgt Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
58 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 26.885 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.018 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

Tgt Ion: 84 Resp: 1568
Ion Ratio Lower Upper
84 100
49 96.2 106.2 159.2#
51 28.0 31.4 47.0#
86 50.9 50.6 75.8

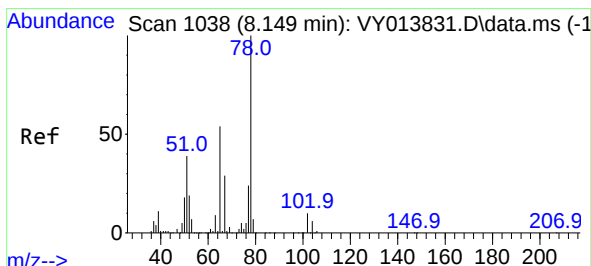
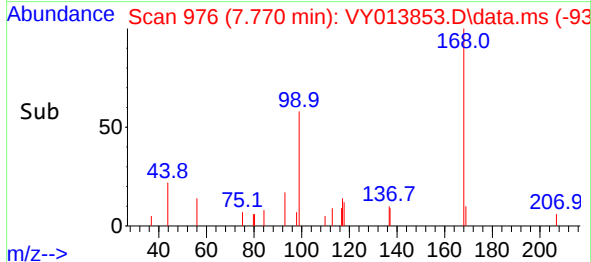
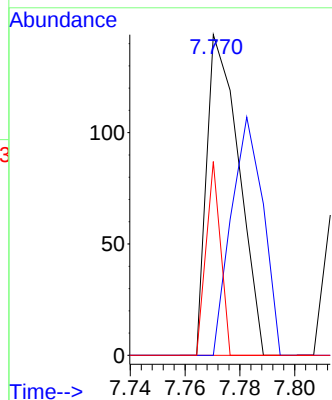
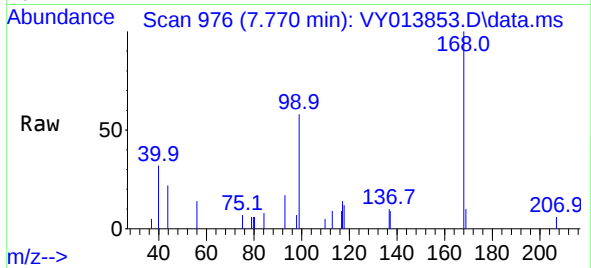




#31
Cyclohexane
Concen: 1.434 ug/l
RT: 7.770 min Scan# 91
Delta R.T. -0.025 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

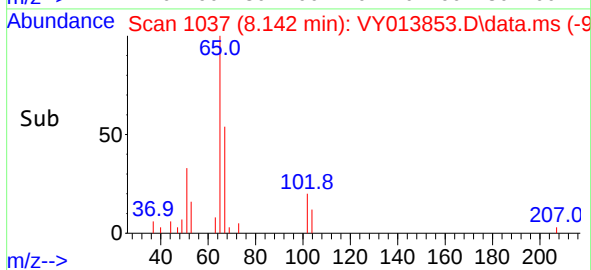
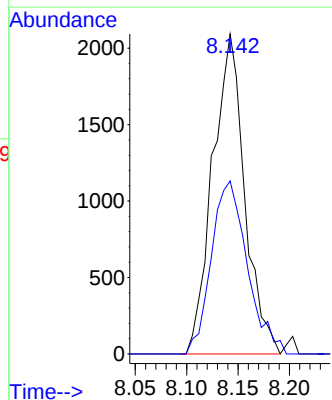
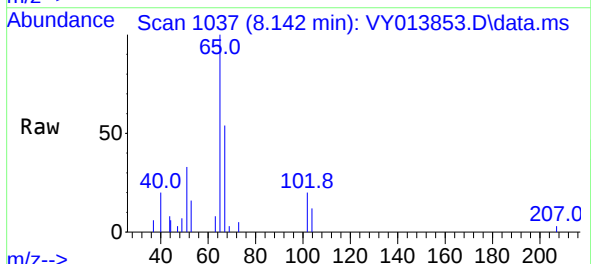
Instrument :
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ClientSampleId :
WC-1

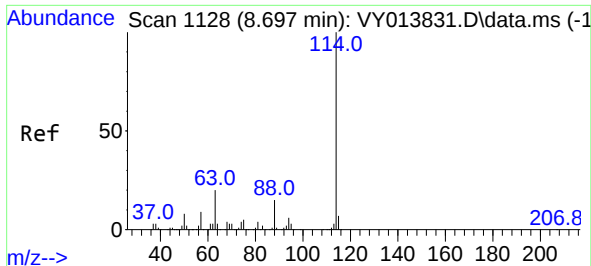
Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
69 0.0 25.8 38.8#
84 60.4 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 85.346 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

Tgt Ion: 65 Resp: 4532
Ion Ratio Lower Upper
65 100
67 60.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY013853.D

Acq: 24 May 2023 17:55

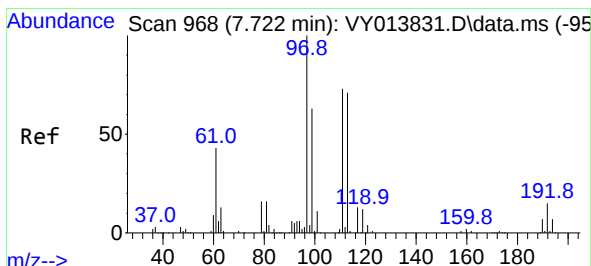
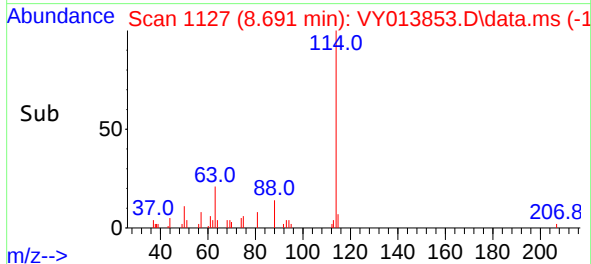
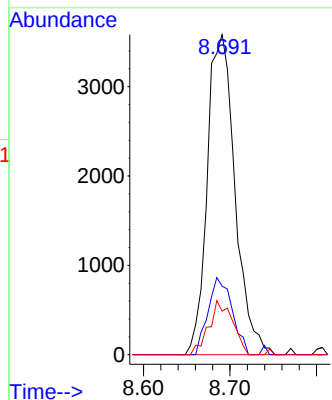
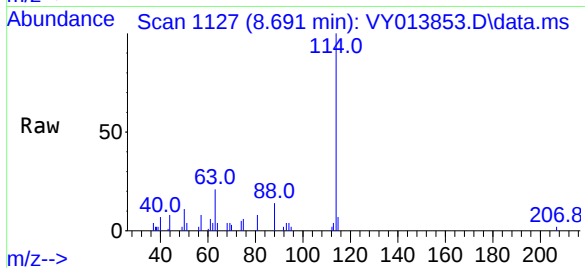
Instrument :

MSVOA_Y

ClientSampleId :

WC-1

Tgt Ion:114	Resp:	7969
Ion	Ratio	Lower Upper
114	100	
63	21.4	0.0 40.2
88	13.6	0.0 30.0



#35

Dibromofluoromethane

Concen: 68.261 ug/l

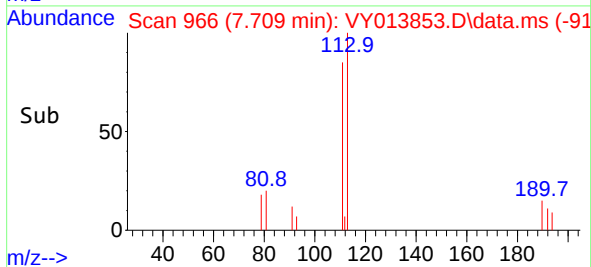
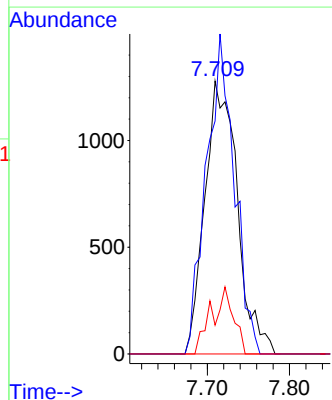
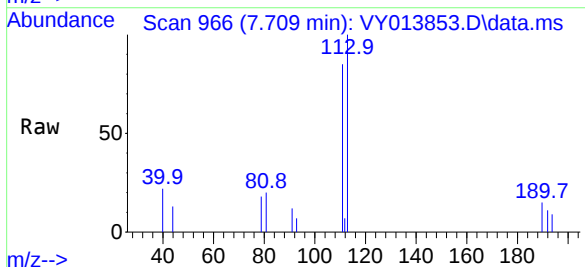
RT: 7.709 min Scan# 966

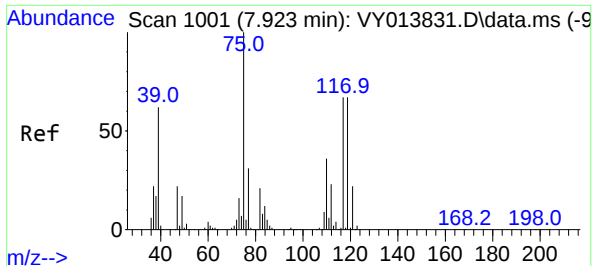
Delta R.T. -0.013 min

Lab File: VY013853.D

Acq: 24 May 2023 17:55

Tgt Ion:113	Resp:	3513
Ion	Ratio	Lower Upper
113	100	
111	100.3	80.4 120.6
192	16.6	16.6 25.0#

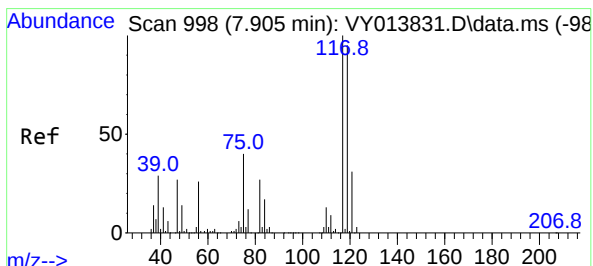
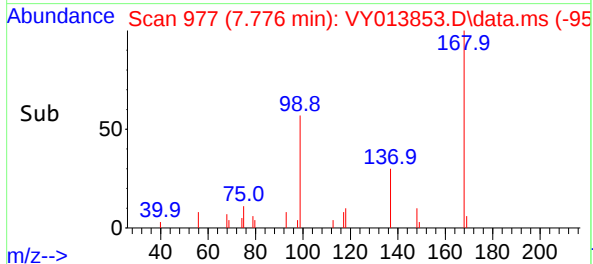
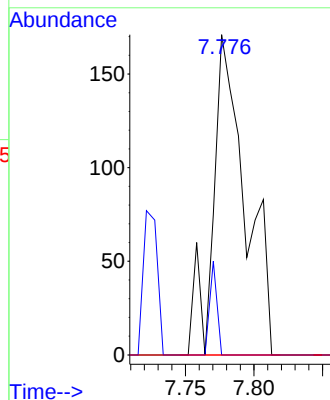
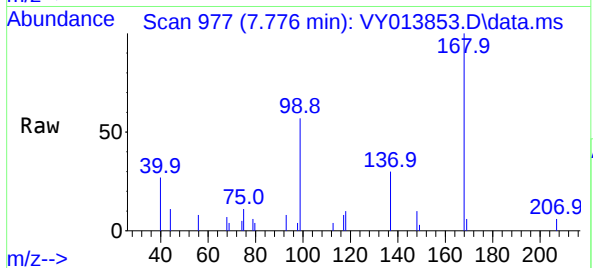




#36
1,1-Dichloropropene
Concen: 3.598 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.147 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

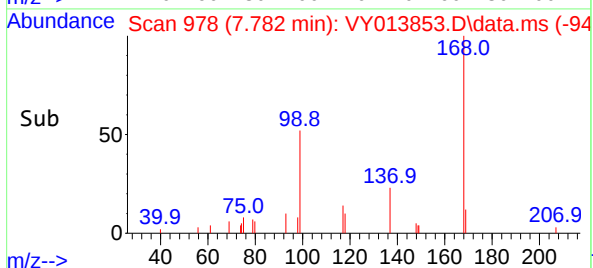
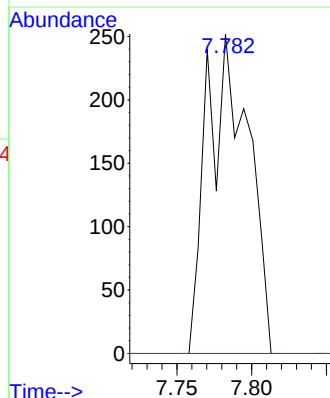
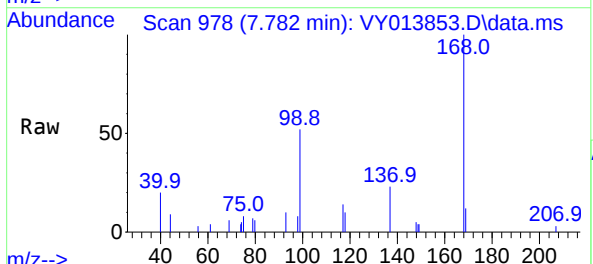
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

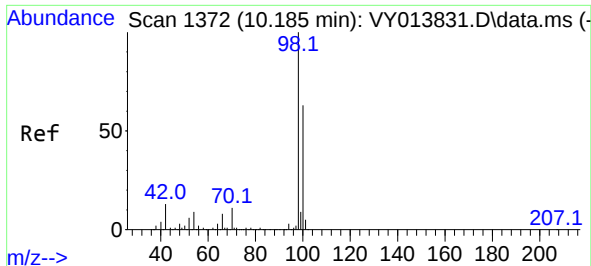
Tgt Ion: 75 Resp: 282
Ion Ratio Lower Upper
75 100
110 6.4 17.5 52.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.429 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

Tgt Ion: 117 Resp: 484
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 24.8 37.2#

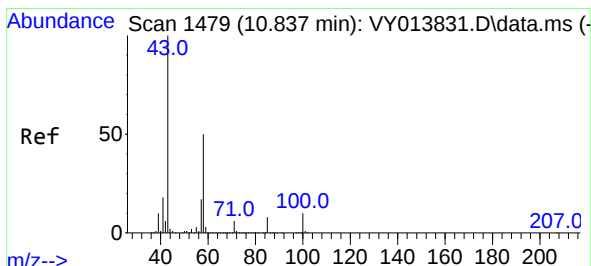
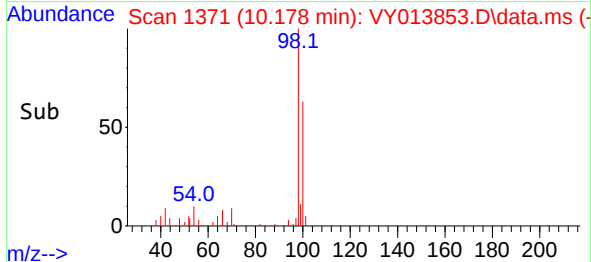
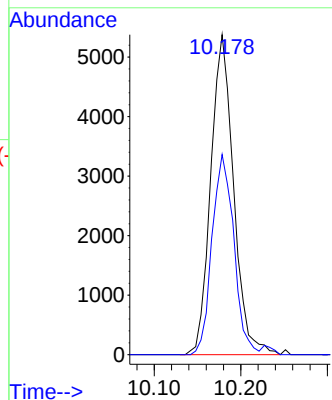
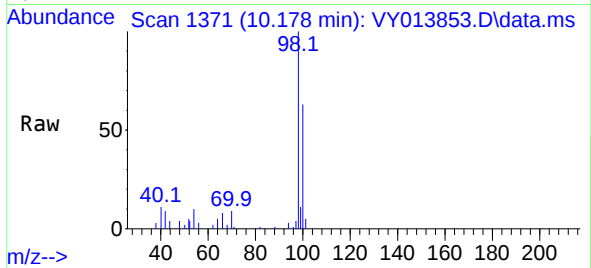




#50
Toluene-d8
Concen: 50.404 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

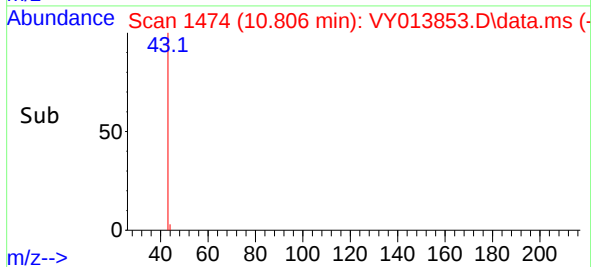
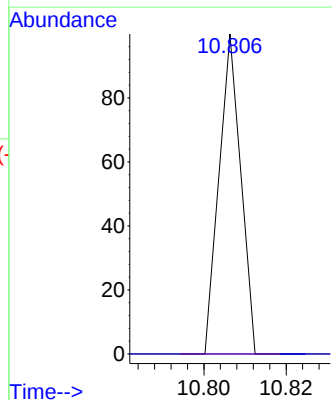
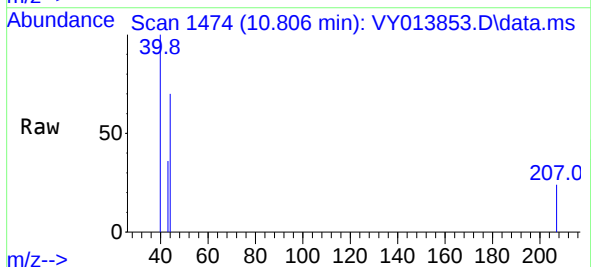
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

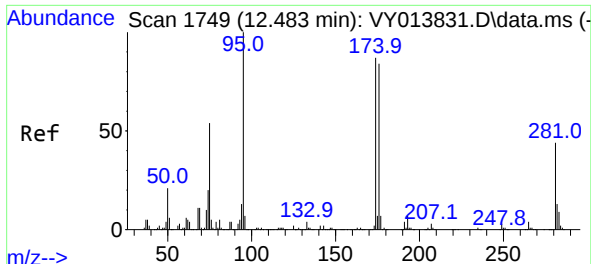
Tgt Ion: 98 Resp: 9859
Ion Ratio Lower Upper
98 100
100 59.7 50.8 76.2



#59
2-Hexanone
Concen: 1.120 ug/l
RT: 10.806 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

Tgt Ion: 43 Resp: 37
Ion Ratio Lower Upper
43 100
58 0.0 24.8 74.3#

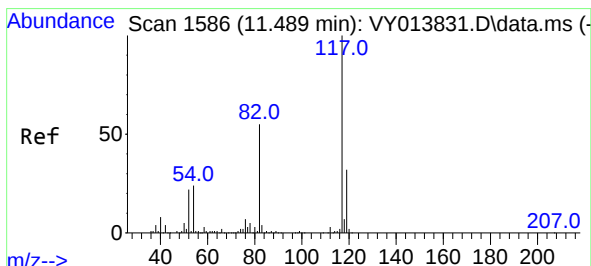
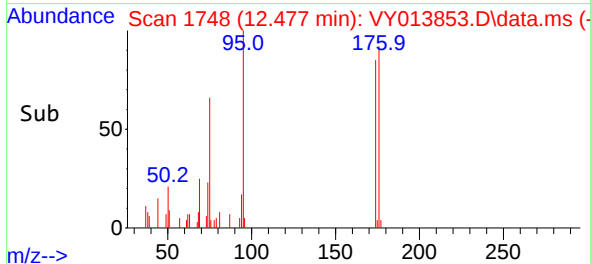
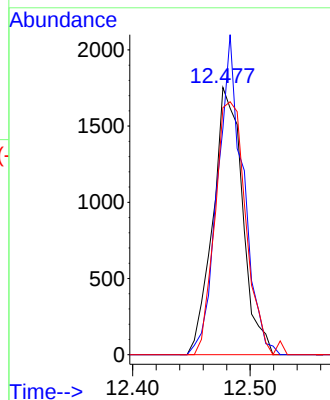
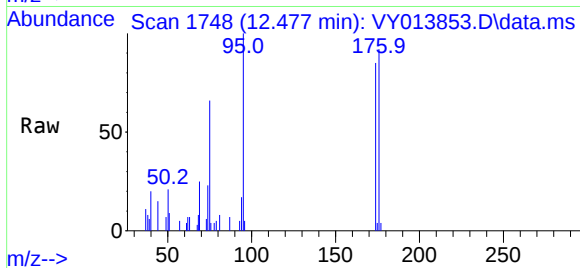




#62
4-Bromofluorobenzene
Concen: 47.249 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

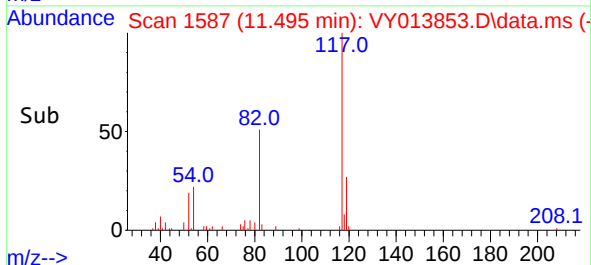
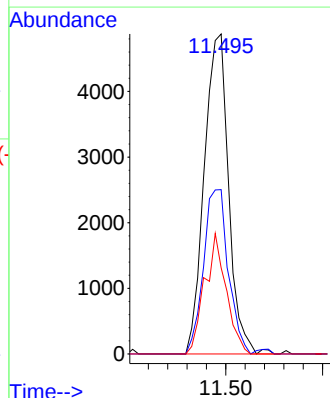
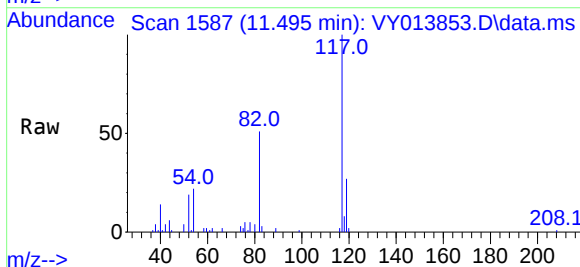
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

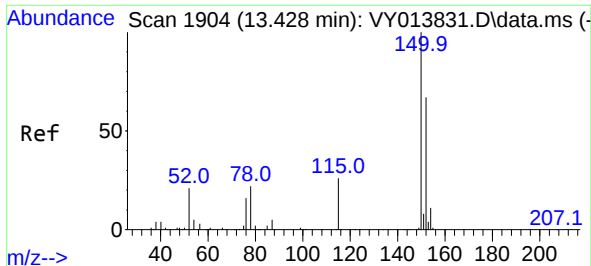
Tgt Ion:	95	Resp:	3072
Ion	Ratio	Lower	Upper
95	100		
174	103.4	0.0	176.0
176	99.0	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

Tgt Ion:	117	Resp:	8530
Ion	Ratio	Lower	Upper
117	100		
82	51.4	44.2	66.4
119	26.9	25.7	38.5

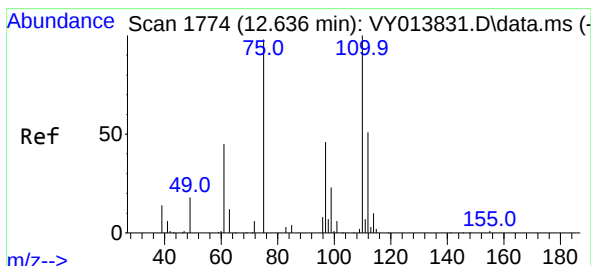
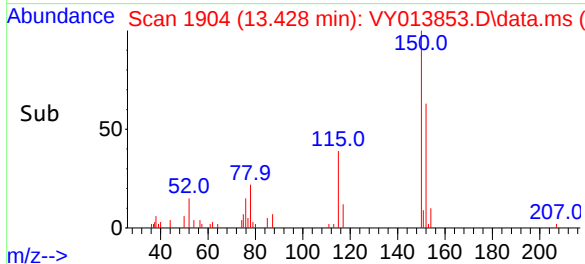
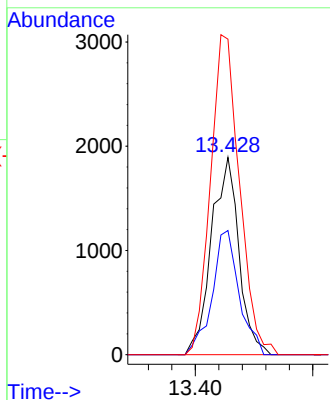
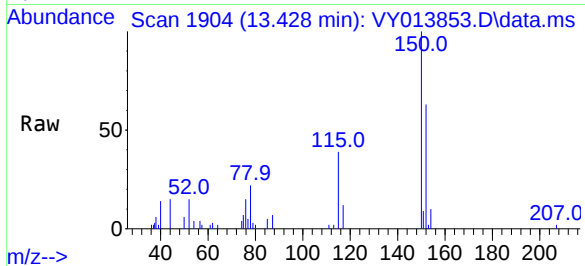




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

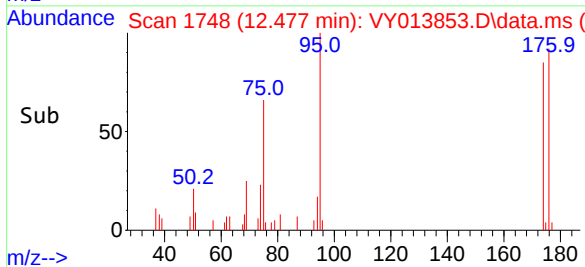
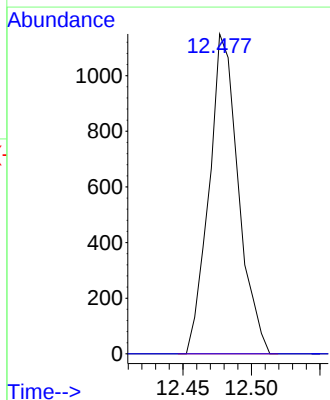
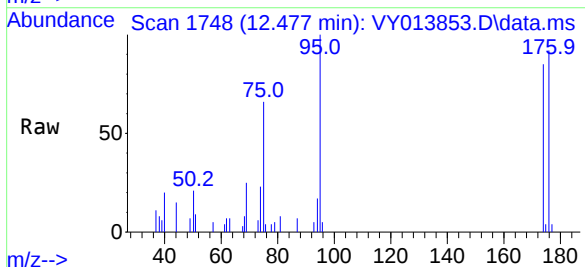
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

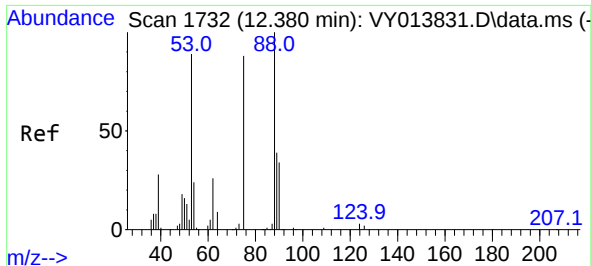
Tgt Ion:152 Resp: 3067
Ion Ratio Lower Upper
152 100
115 62.0 28.8 86.5
150 171.5 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 47.340 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

Tgt Ion: 75 Resp: 1712
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

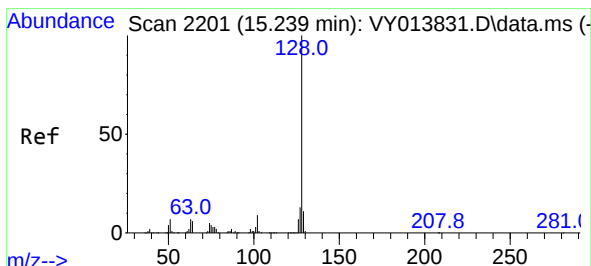
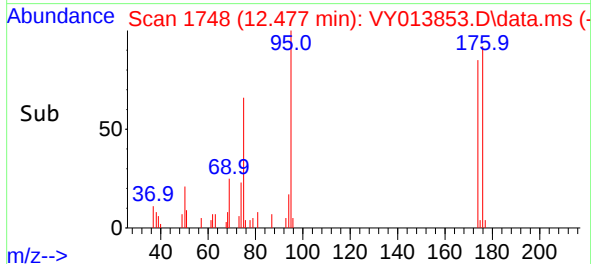
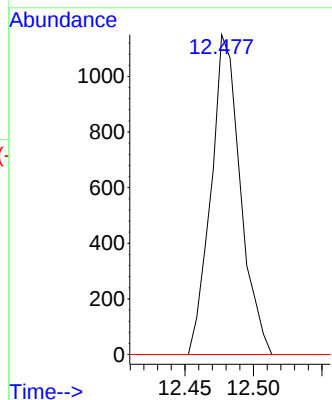
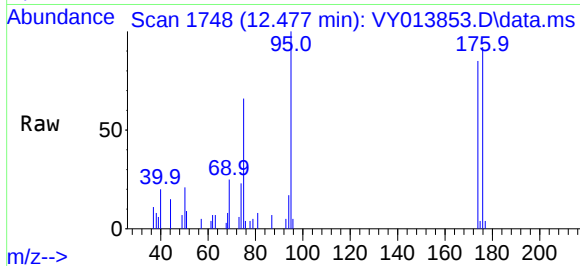




#81
trans-1,4-Dichloro-2-butene
Concen: 102.760 ug/l
RT: 12.477 min Scan# 1732
Delta R.T. 0.097 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

Instrument :
MSVOA_Y
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 1712
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 4.695 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.001 min
Lab File: VY013853.D
Acq: 24 May 2023 17:55

Tgt Ion: 128 Resp: 21
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#

