

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013865.D
 Acq On : 25 May 2023 12:06
 Operator : KP/MD
 Sample : 02886-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1

Quant Time: May 25 15:20:41 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)

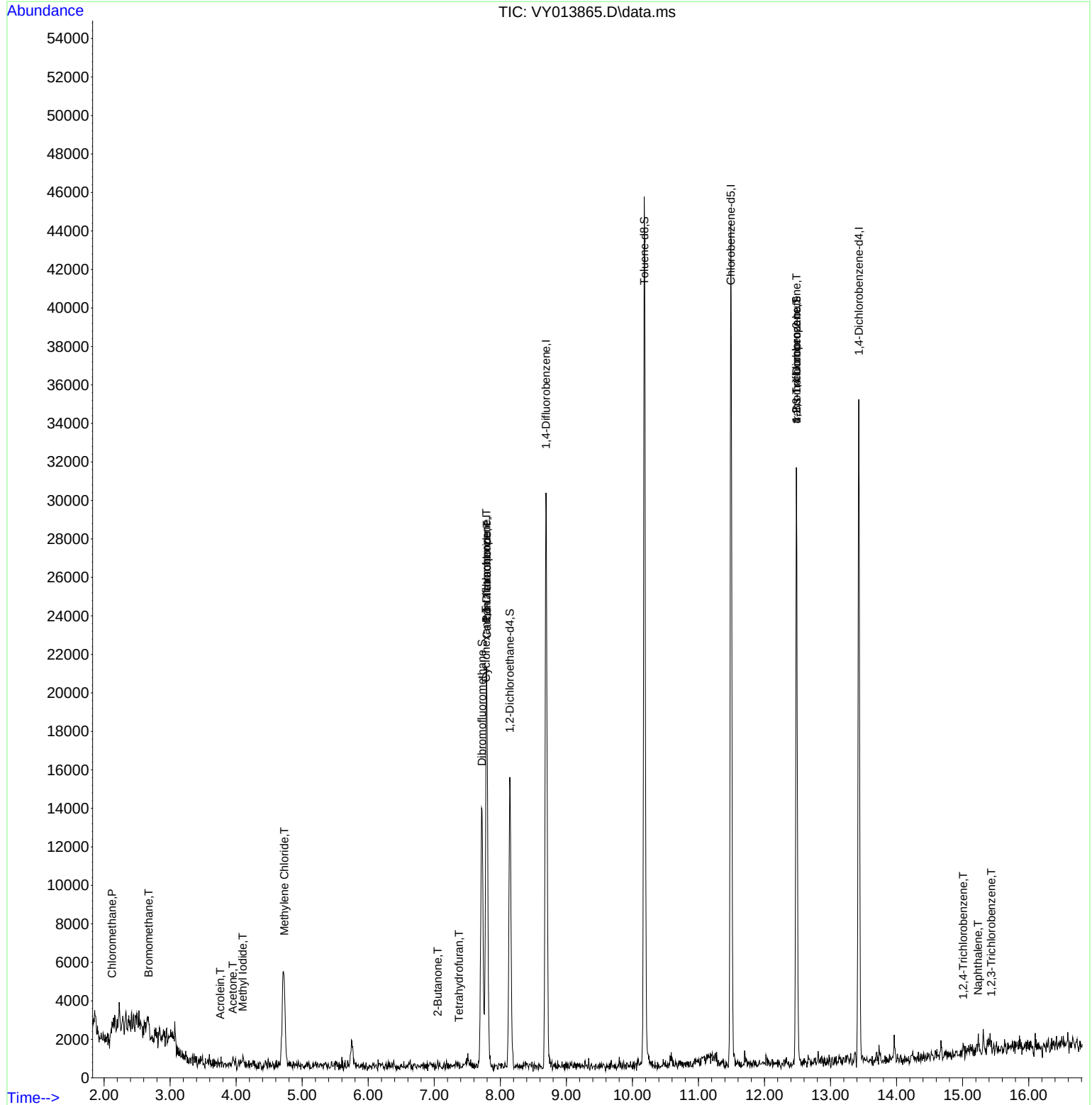
Internal Standards						
1) Pentafluorobenzene	7.789	168	16350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	26426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	24257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	12070	63.811	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.620%	
35) Dibromofluoromethane	7.722	113	9801	57.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.860%	
50) Toluene-d8	10.179	98	30800	47.485	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.960%	
62) 4-Bromofluorobenzene	12.483	95	8450	39.192	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	270	1.480	ug/l	92
5) Bromomethane	2.674	94	424	2.860	ug/l #	64
10) Methyl Iodide	4.101	142	328	1.623	ug/l #	48
13) Acrolein	3.759	56	61	2.799	ug/l #	54
16) Acetone	3.948	43	327	5.825	ug/l #	46
20) Methylene Chloride	4.728	84	3462	15.647	ug/l #	82
25) 2-Butanone	7.051	43	94	1.372	ug/l #	49
29) Tetrahydrofuran	7.374	42	46	1.125	ug/l #	36
31) Cyclohexane	7.783	56	311	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	1271	4.890	ug/l #	48
38) Carbon Tetrachloride	7.795	117	1773	5.998	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	4146	37.918	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4146	82.308	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.007	180	257	1.426	ug/l #	78
95) Naphthalene	15.233	128	743	6.255	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.434	180	328	2.047	ug/l #	72

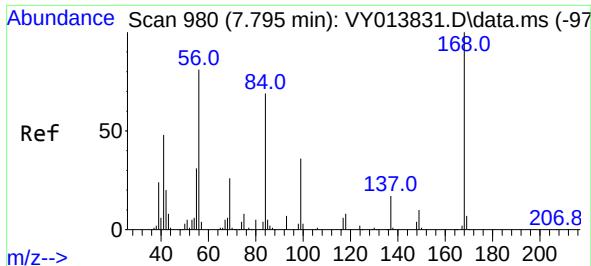
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

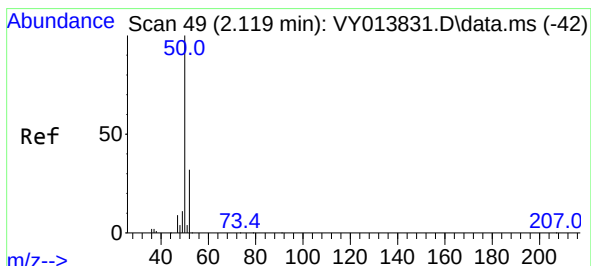
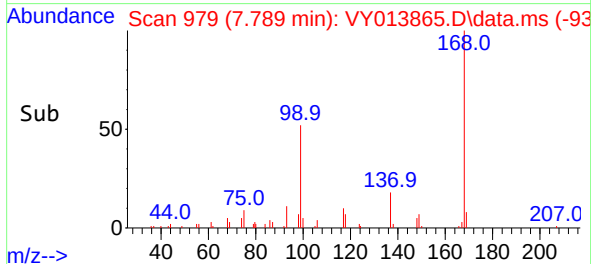
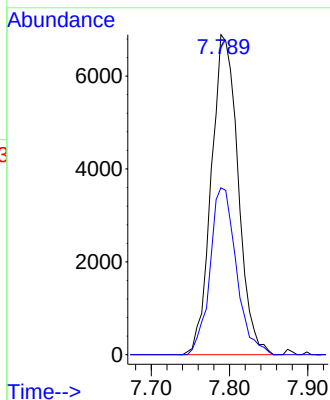
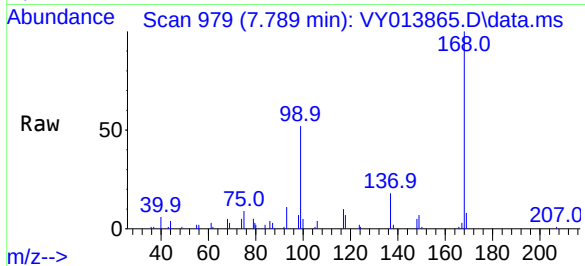




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

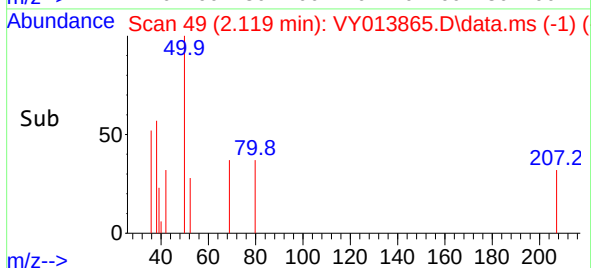
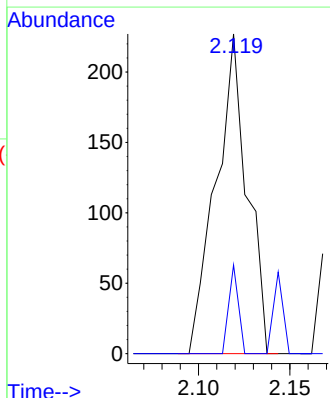
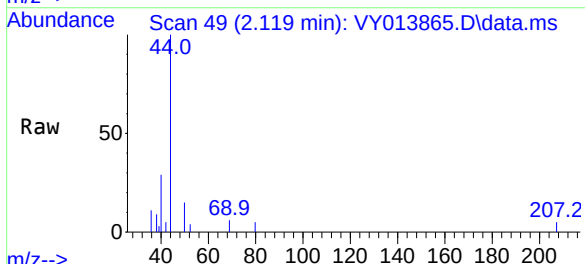
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

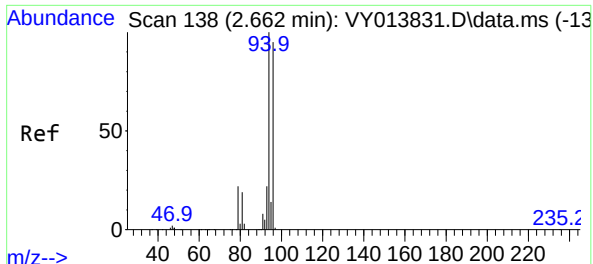
Tgt Ion:168 Resp: 16350
Ion Ratio Lower Upper
168 100
99 52.1 43.4 65.2



#3
Chloromethane
Concen: 1.480 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion: 50 Resp: 270
Ion Ratio Lower Upper
50 100
52 27.8 25.7 38.5

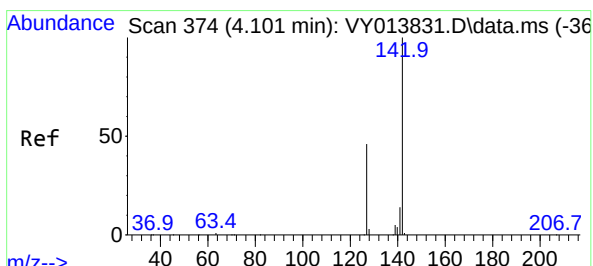
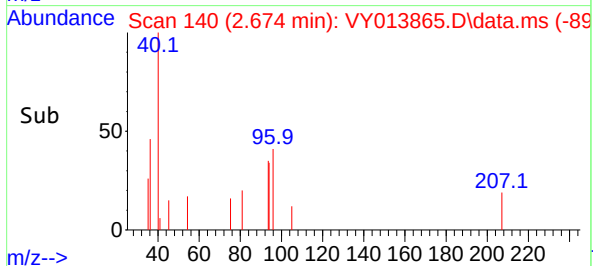
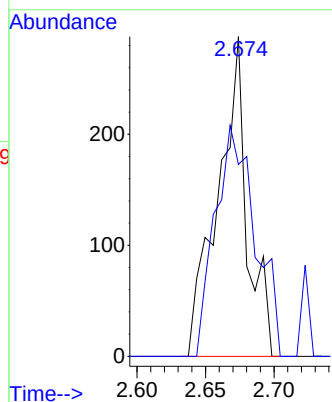
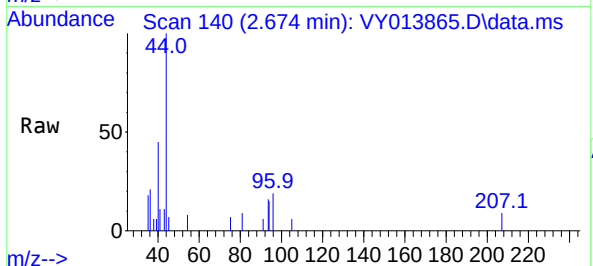




#5
Bromomethane
Concen: 2.860 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

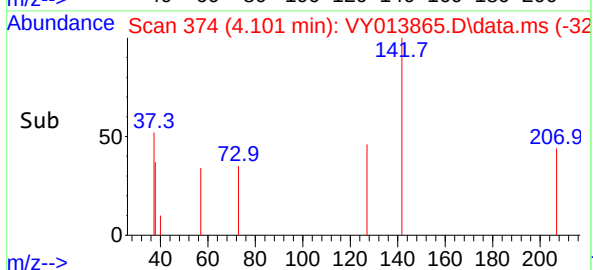
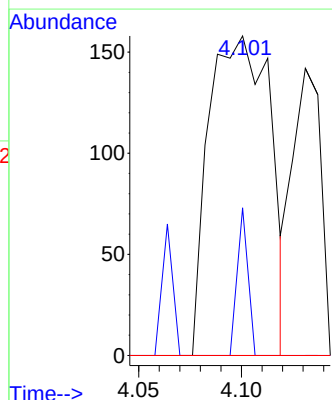
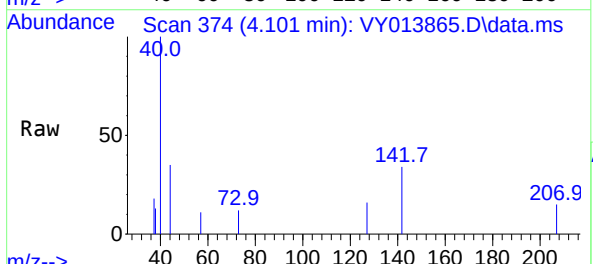
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

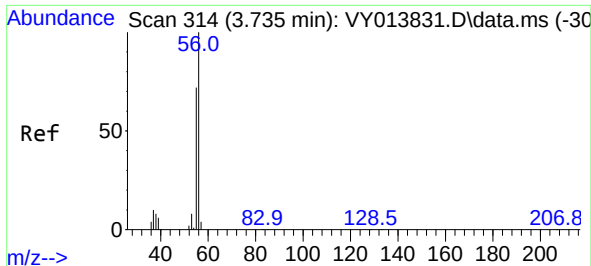
Tgt Ion: 94 Resp: 424
Ion Ratio Lower Upper
94 100
96 60.1 76.2 114.2#



#10
Methyl Iodide
Concen: 1.623 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion: 142 Resp: 328
Ion Ratio Lower Upper
142 100
127 8.2 37.0 55.4#
141 0.0 11.8 17.6#

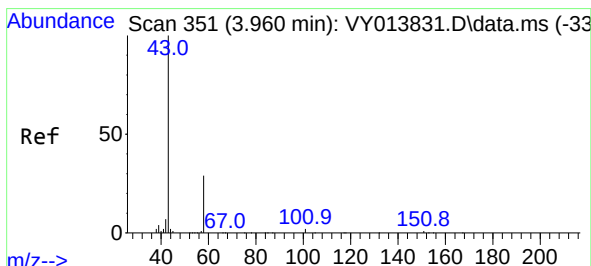
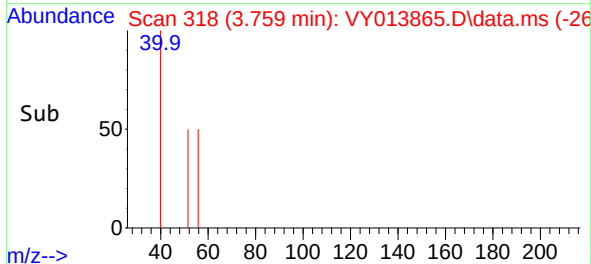
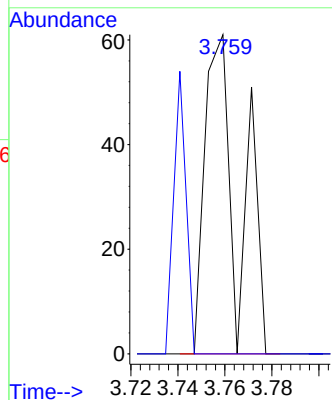
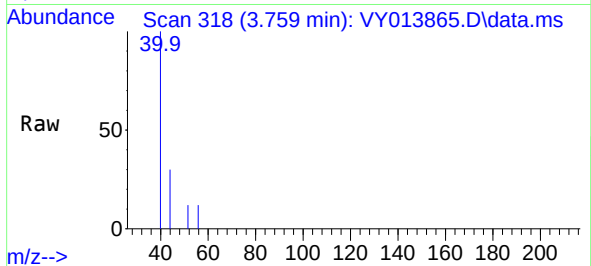




#13
Acrolein
Concen: 2.799 ug/l
RT: 3.759 min Scan# 314
Delta R.T. 0.024 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

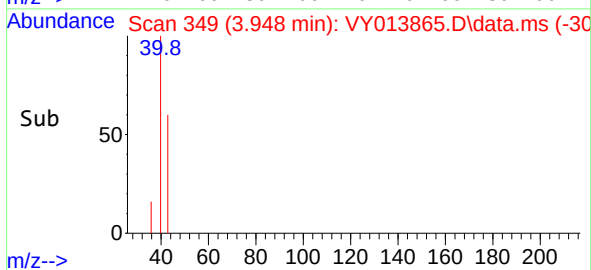
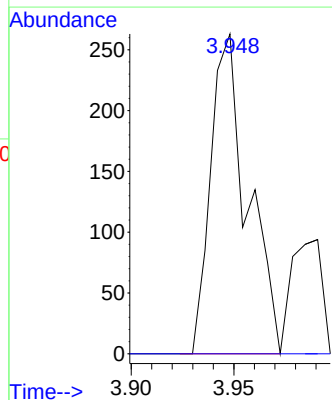
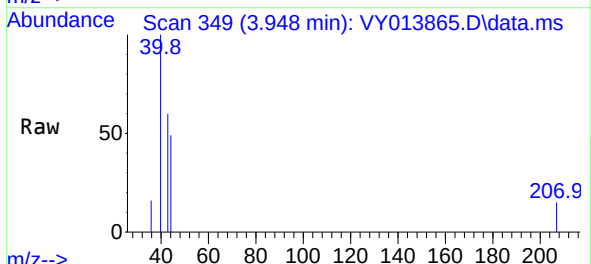
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

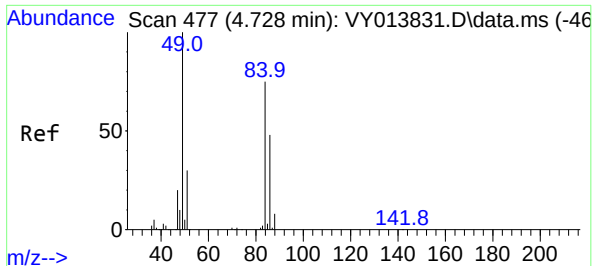
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 32.8 56.2 84.2#



#16
Acetone
Concen: 5.825 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion: 43 Resp: 327
Ion Ratio Lower Upper
43 100
58 0.0 23.3 34.9#

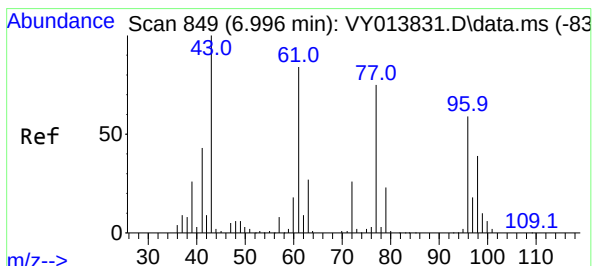
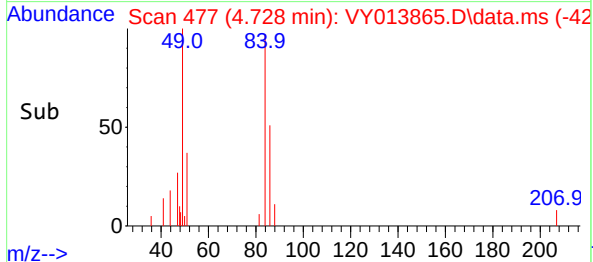
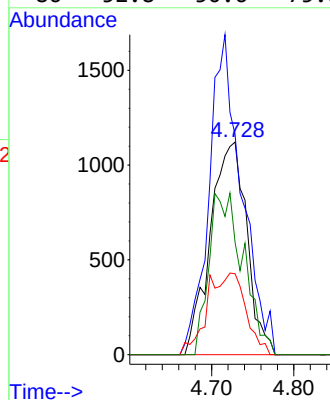
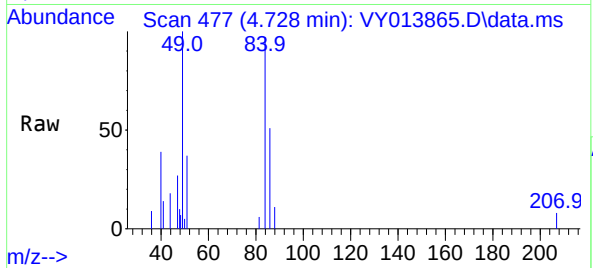




#20
Methylene Chloride
Concen: 15.647 ug/l
RT: 4.728 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

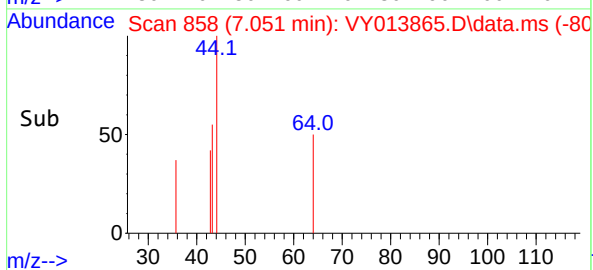
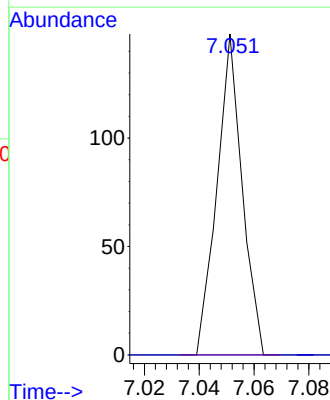
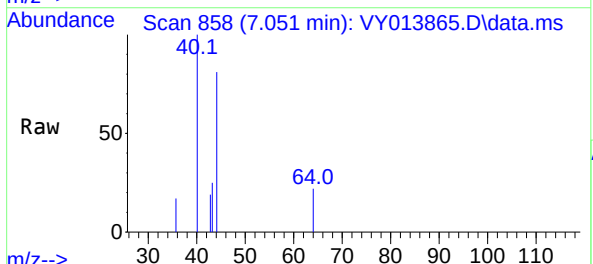
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

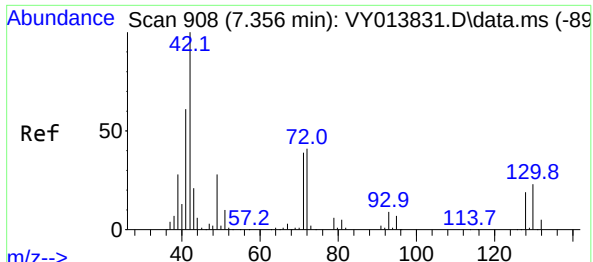
Tgt Ion: 84 Resp: 3462
Ion Ratio Lower Upper
84 100
49 103.5 106.2 159.2#
51 38.1 31.4 47.0
86 52.8 50.6 75.8



#25
2-Butanone
Concen: 1.372 ug/l
RT: 7.051 min Scan# 858
Delta R.T. 0.055 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#

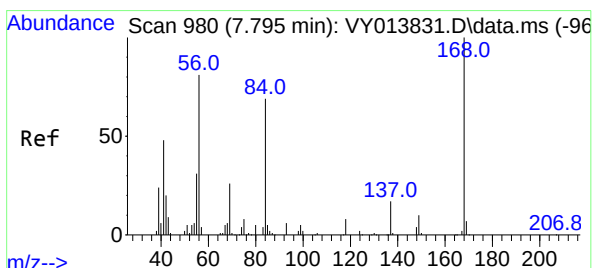
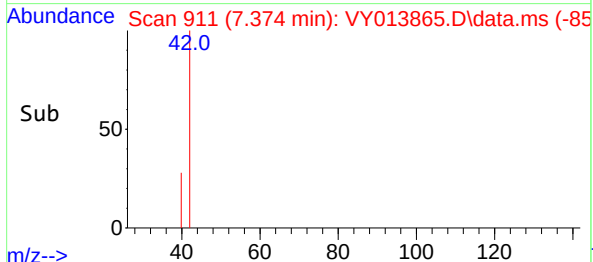
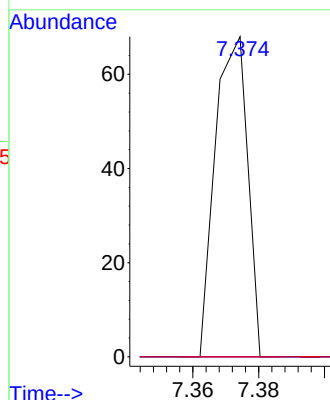
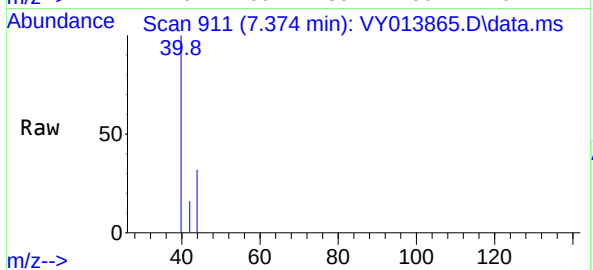




#29
Tetrahydrofuran
Concen: 1.125 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.018 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

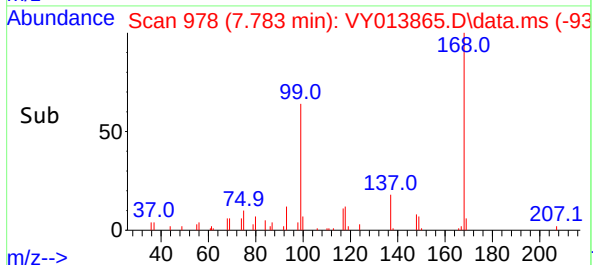
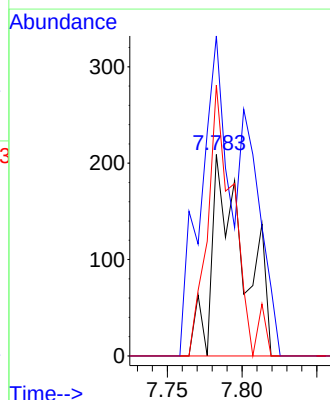
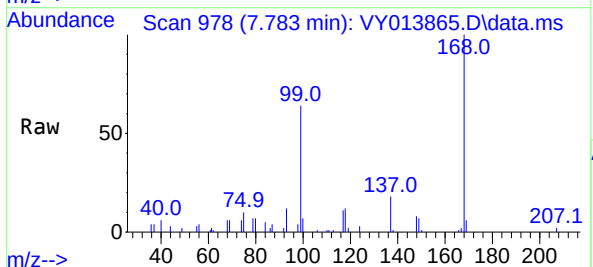
Instrument :
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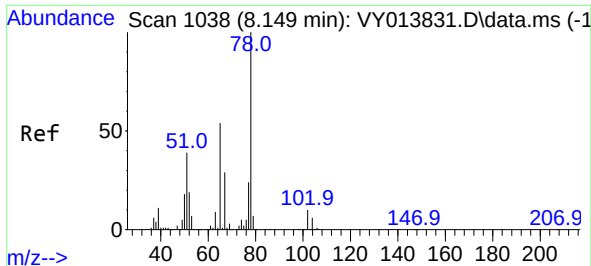
Tgt Ion:	42	Resp:	46
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.7	47.5#
71	0.0	30.6	45.8#



#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.012 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion:	56	Resp:	311
Ion	Ratio	Lower	Upper
56	100		
69	158.9	25.8	38.8#
84	134.4	68.2	102.2#





#33

1,2-Dichloroethane-d4

Concen: 63.811 ug/l

RT: 8.142 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VY013865.D

Acq: 25 May 2023 12:06

Instrument :

MSVOA_Y

ClientSampleId :

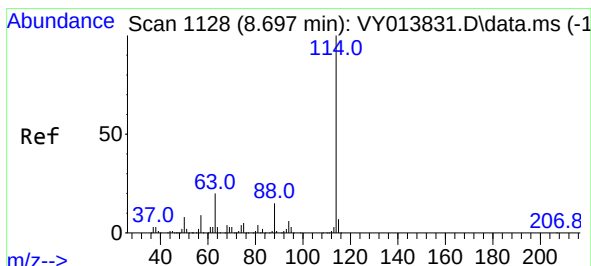
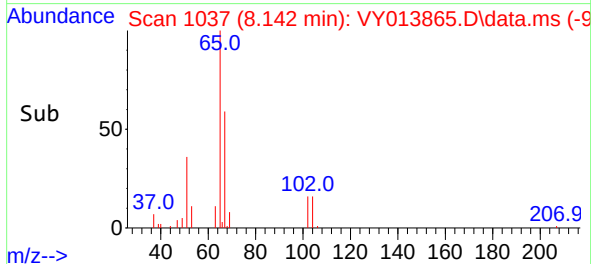
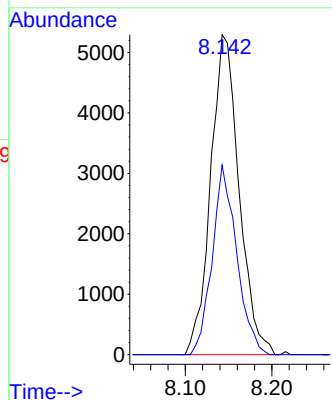
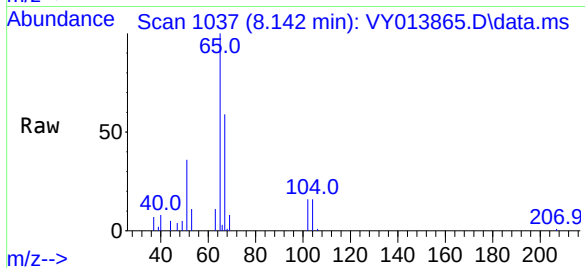
WC-1

Tgt Ion: 65 Resp: 12070

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013865.D

Acq: 25 May 2023 12:06

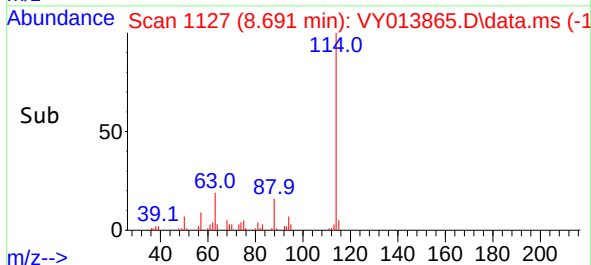
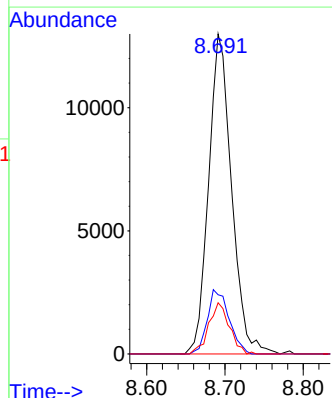
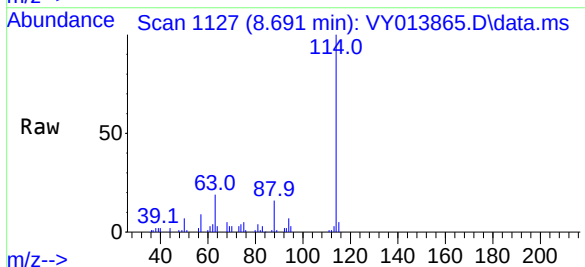
Tgt Ion: 114 Resp: 26426

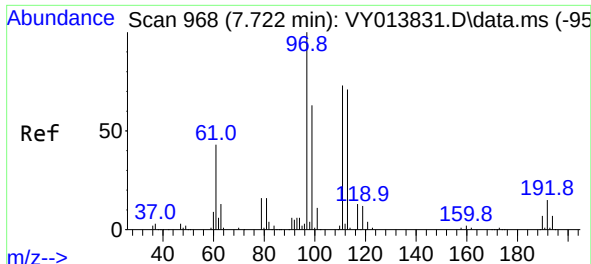
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.2

88 16.0 0.0 30.0

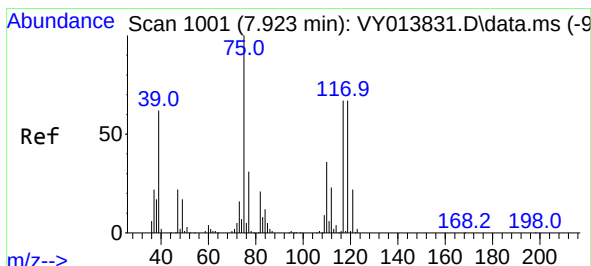
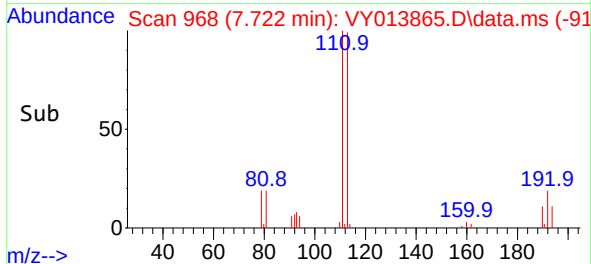
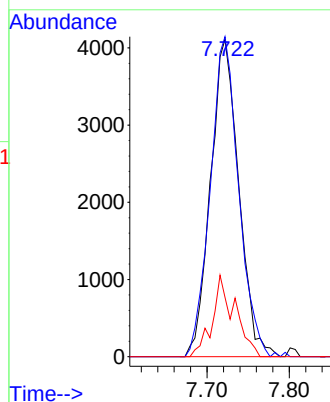
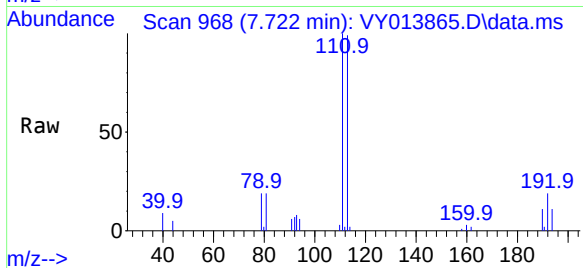




#35
Dibromofluoromethane
Concen: 57.430 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

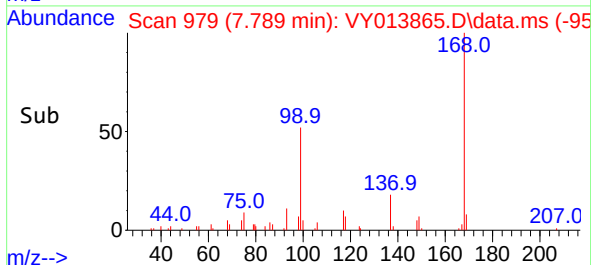
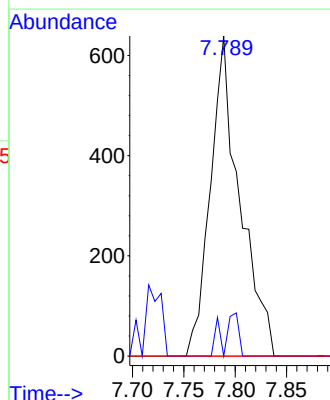
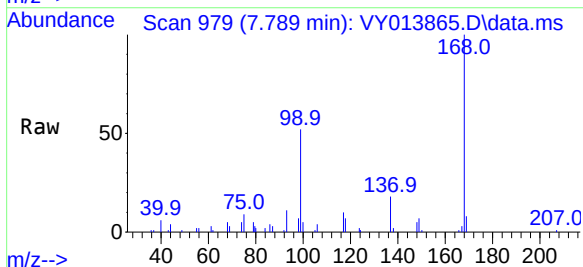
Instrument :
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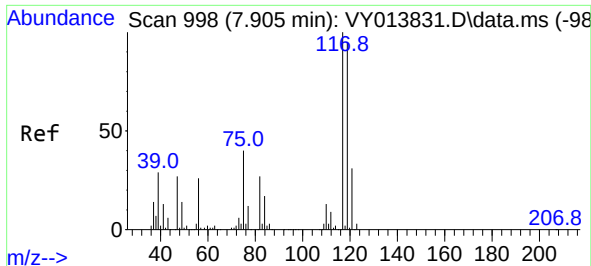
Tgt Ion:	113	Resp:	9801
Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.4	120.6
192	20.7	16.6	25.0



#36
1,1-Dichloropropene
Concen: 4.890 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion:	75	Resp:	1271
Ion	Ratio	Lower	Upper
75	100		
110	7.0	17.5	52.6#
77	0.0	24.4	36.6#

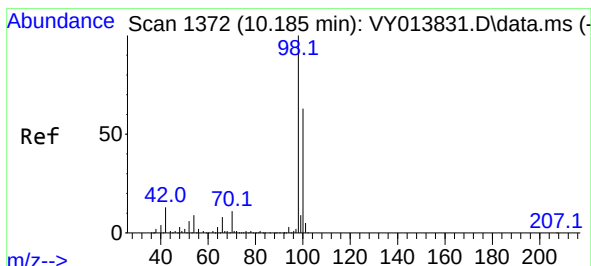
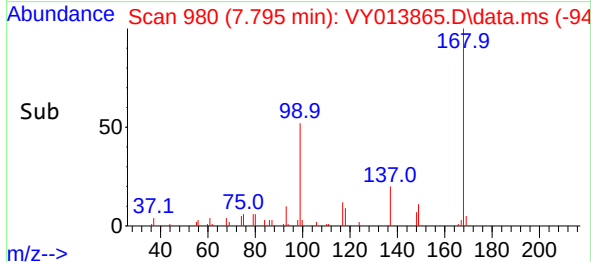
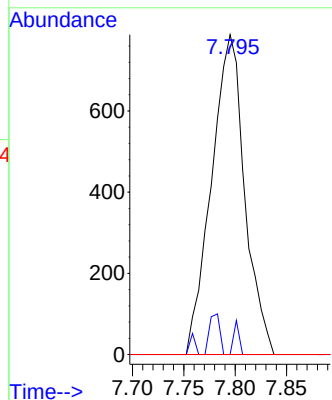
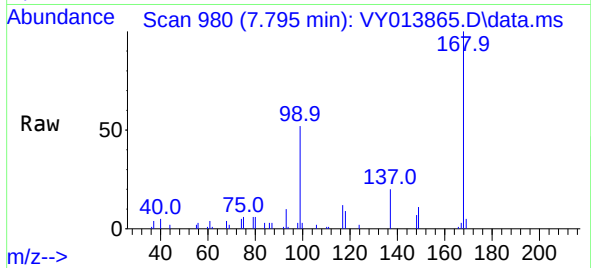




#38
Carbon Tetrachloride
Concen: 5.998 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

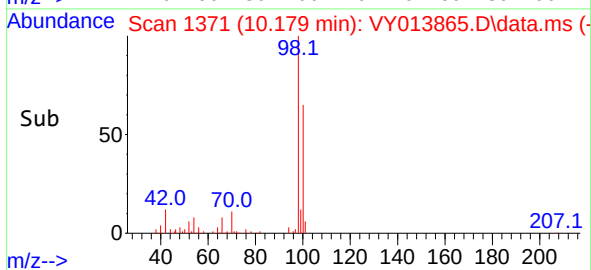
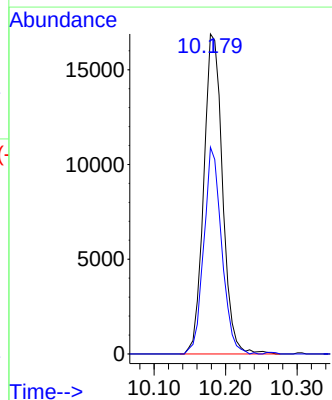
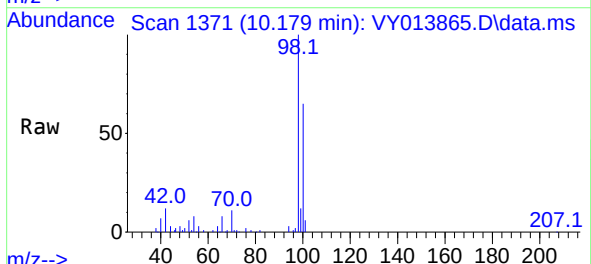
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

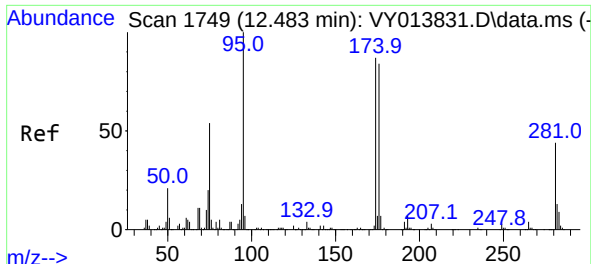
Tgt Ion:117 Resp: 1773
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.485 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion: 98 Resp: 30800
Ion Ratio Lower Upper
98 100
100 61.4 50.8 76.2

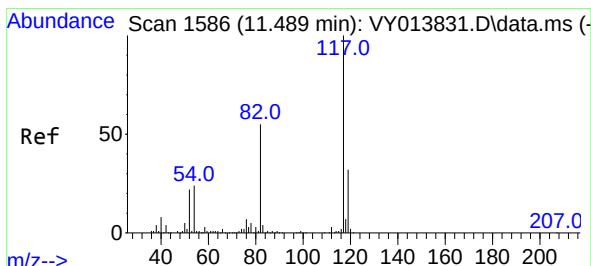
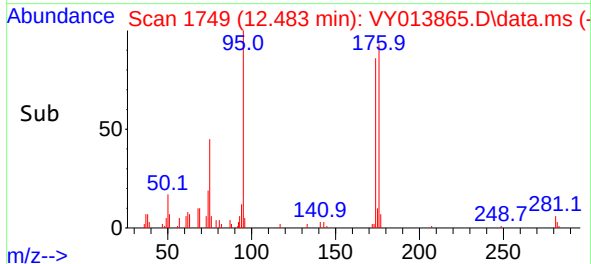
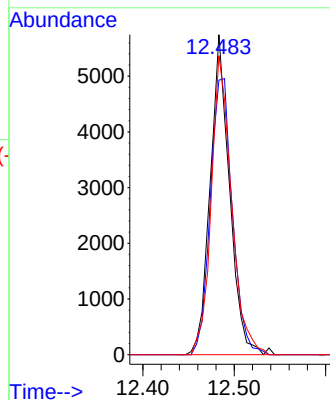
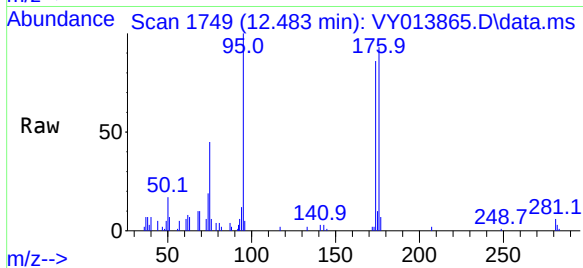




#62
4-Bromofluorobenzene
Concen: 39.192 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

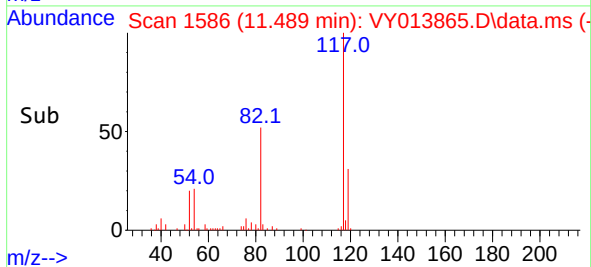
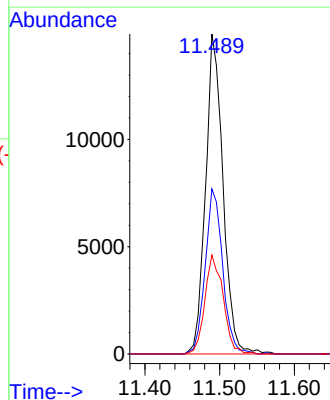
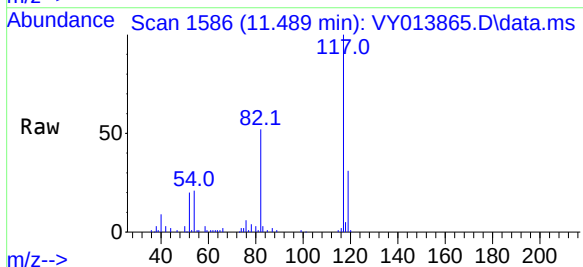
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

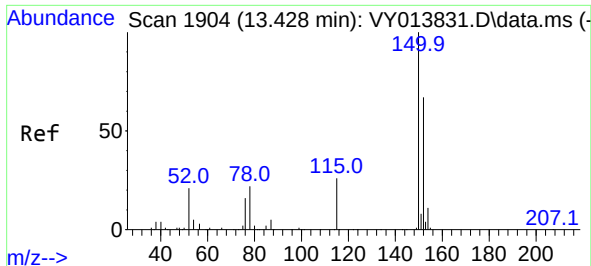
Tgt Ion:	95	Resp:	8450
Ion	Ratio	Lower	Upper
95	100		
174	98.6	0.0	176.0
176	97.9	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion:	117	Resp:	24257
Ion	Ratio	Lower	Upper
117	100		
82	51.5	44.2	66.4
119	30.9	25.7	38.5

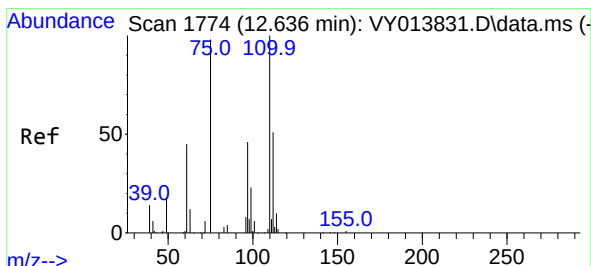
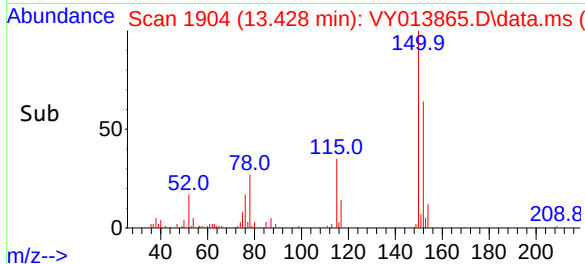
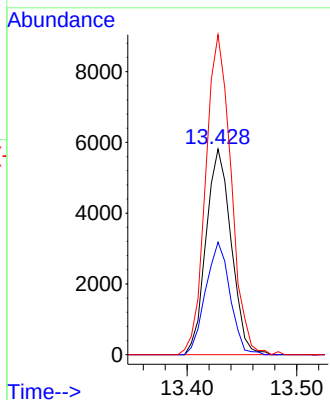
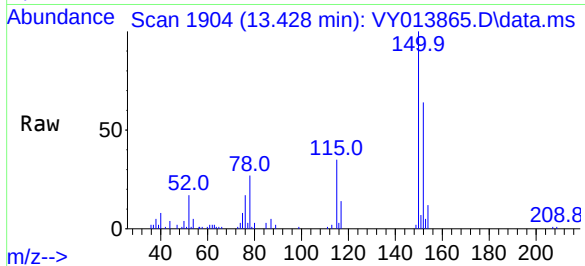




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

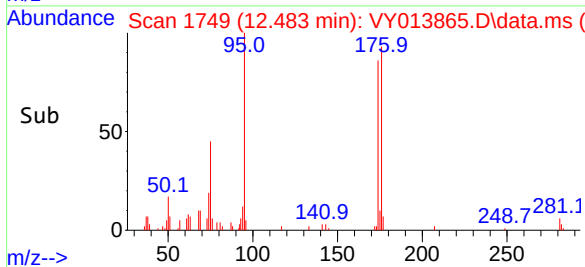
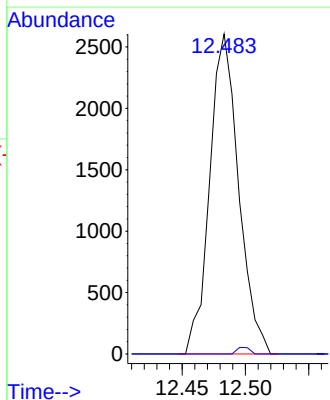
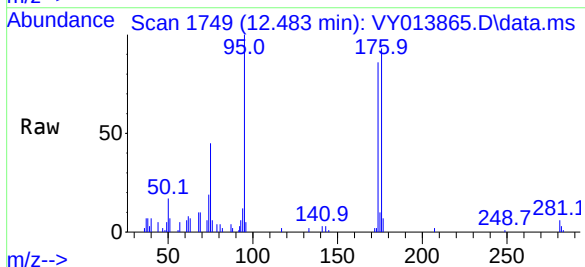
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

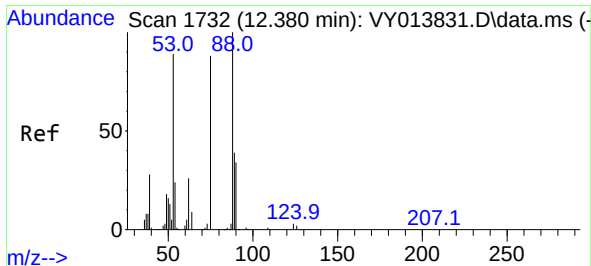
Tgt Ion:152 Resp: 9273
Ion Ratio Lower Upper
152 100
115 53.2 28.8 86.5
150 157.4 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 37.918 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion: 75 Resp: 4146
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

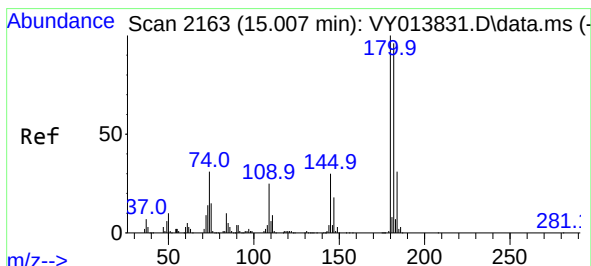
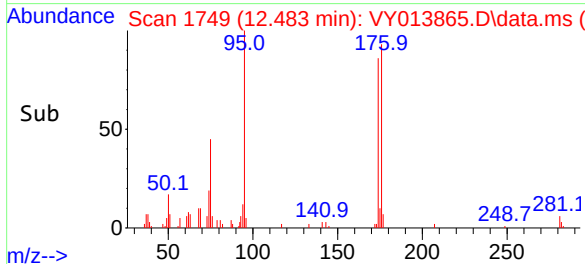
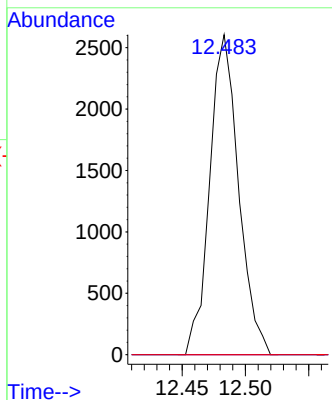
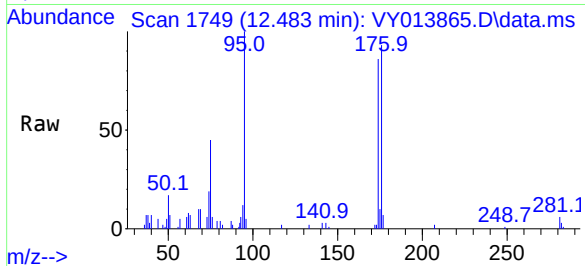




#81
trans-1,4-Dichloro-2-butene
Concen: 82.308 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

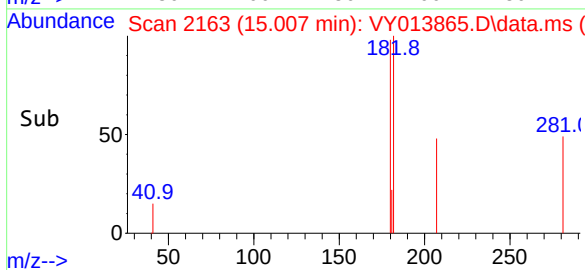
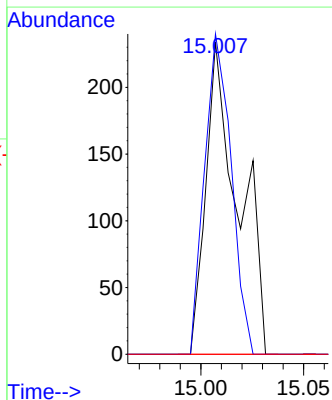
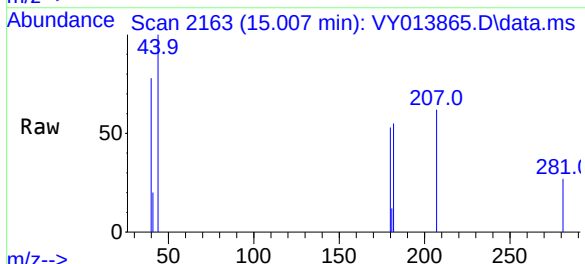
Instrument :
MSVOA_Y
ClientSampleId :
WC-1

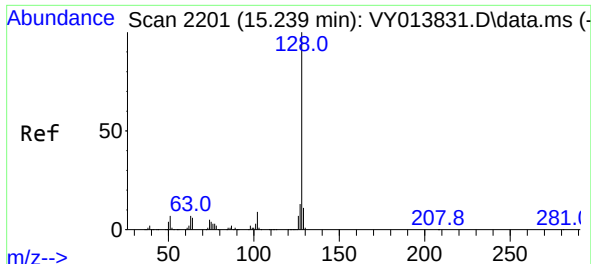
Tgt Ion: 75 Resp: 4146
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.426 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion:180 Resp: 257
Ion Ratio Lower Upper
180 100
182 84.0 48.1 144.3
145 0.0 14.8 44.4#

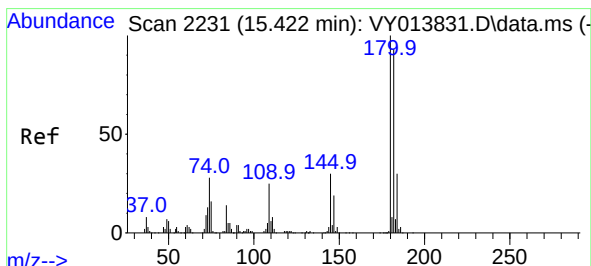
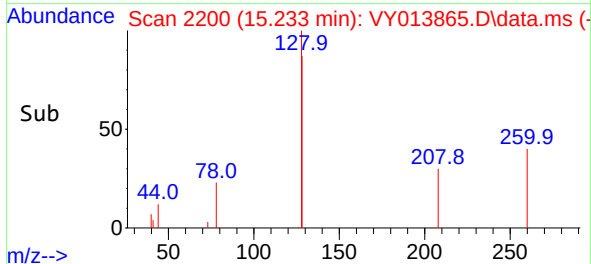
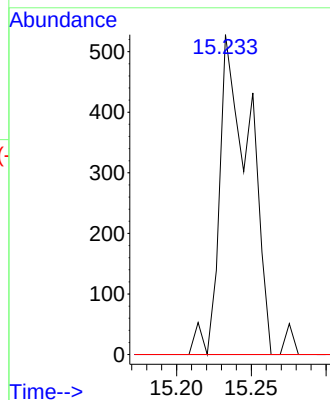
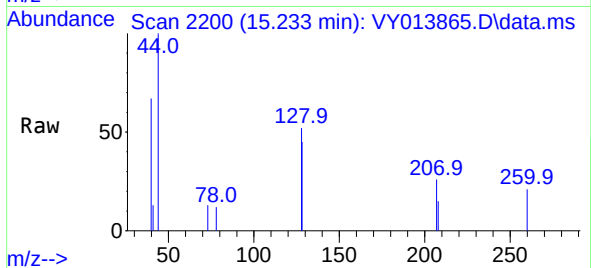




#95
Naphthalene
Concen: 6.255 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Instrument :
MSVOA_Y
ClientSampleId :
WC-1

Tgt Ion:128 Resp: 743
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: 2.047 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.012 min
Lab File: VY013865.D
Acq: 25 May 2023 12:06

Tgt Ion:180 Resp: 328
Ion Ratio Lower Upper
180 100
182 76.5 47.4 142.2
145 0.0 15.5 46.5#

