

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014343.D
 Acq On : 21 Jun 2023 18:05
 Operator : KP/MD
 Sample : 03357-19
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-SCAN-04-G

Quant Time: Jun 22 01:58:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

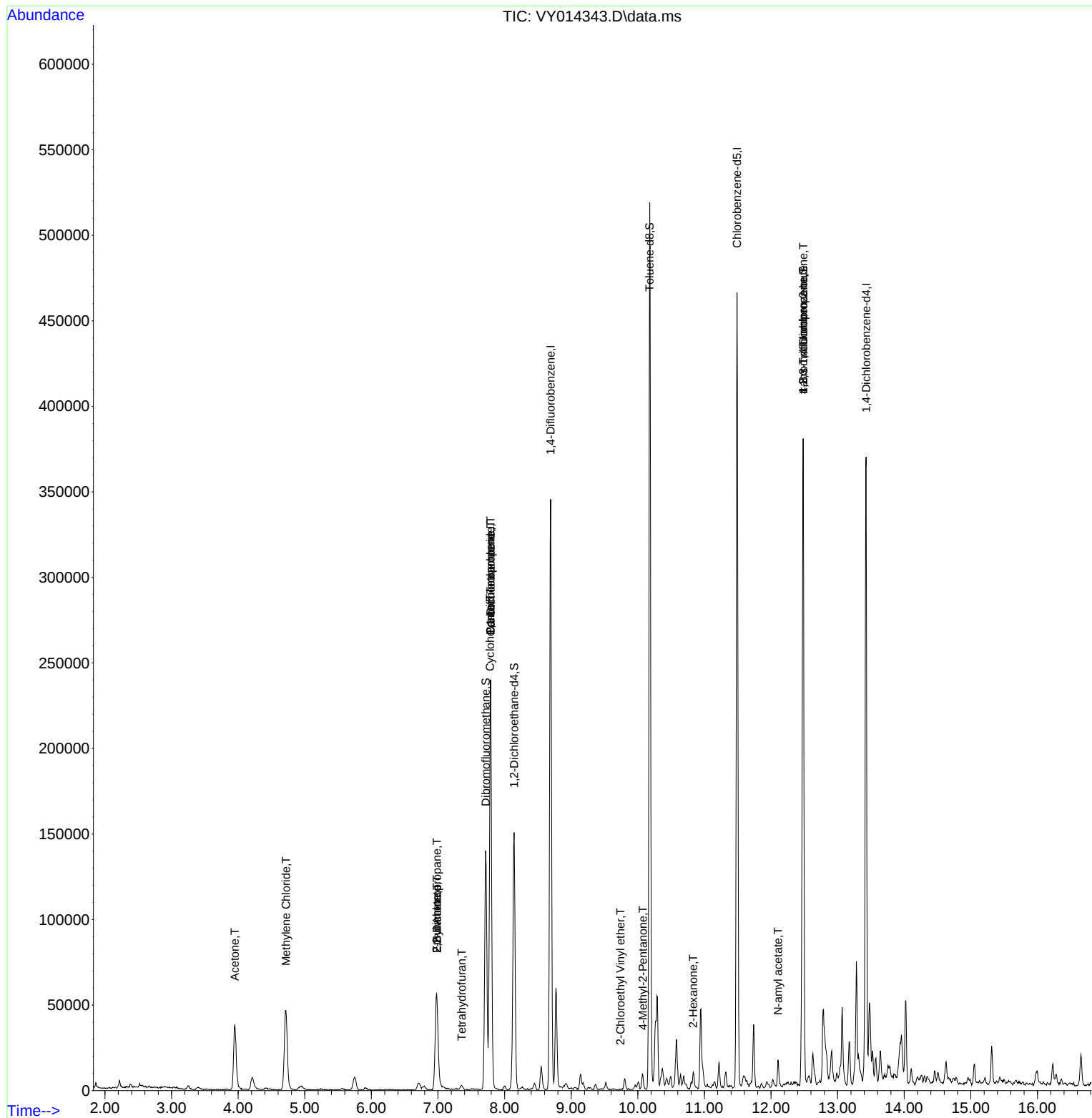
Internal Standards						
1) Pentafluorobenzene	7.789	168	178877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	284055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	250224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	125062	50.208	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.420%			
35) Dibromofluoromethane	7.716	113	94183	46.754	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.500%			
50) Toluene-d8	10.179	98	334403	44.402	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.800%			
62) 4-Bromofluorobenzene	12.483	95	98384	36.775	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 73.540%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	4548	Below Cal	#	95
16) Acetone	3.948	43	68401	91.100	ug/l	96
20) Methylene Chloride	4.716	84	35572	12.124	ug/l	90
25) 2-Butanone	6.984	43	11500	12.443	ug/l	# 85
26) 2,2-Dichloropropane	6.984	77	3945	1.028	ug/l	# 54
29) Tetrahydrofuran	7.356	42	1876	3.201	ug/l	# 81
31) Cyclohexane	7.783	56	5160	1.546	ug/l	# 35
36) 1,1-Dichloropropene	7.789	75	14039	4.470	ug/l	# 50
37) Ethyl Acetate	6.984	43	11500	5.307	ug/l	# 68
38) Carbon Tetrachloride	7.789	117	17606	4.858	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.075	43	6520	3.160	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.740	63	19	28.634	ug/l	# 48
59) 2-Hexanone	10.831	43	5789	3.884	ug/l	99
74) N-amyl acetate	12.105	43	7397	3.309	ug/l	# 55
76) 1,2,3-Trichloropropane	12.483	75	56409	46.503	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	56409	100.521	ug/l	# 11

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

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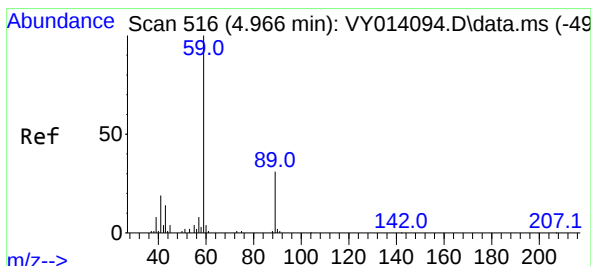
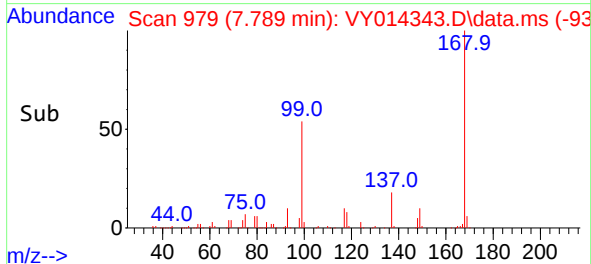
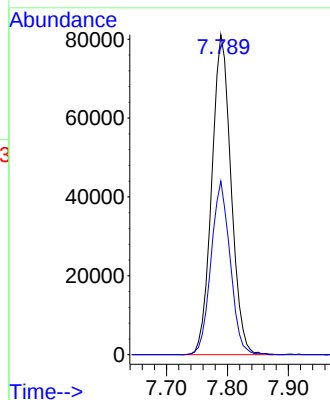
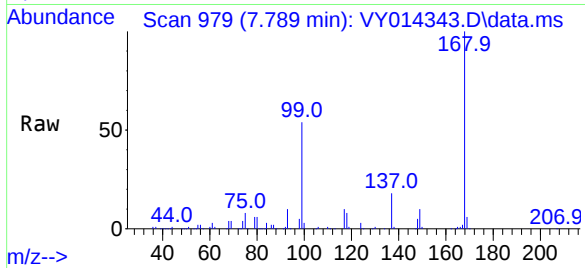




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

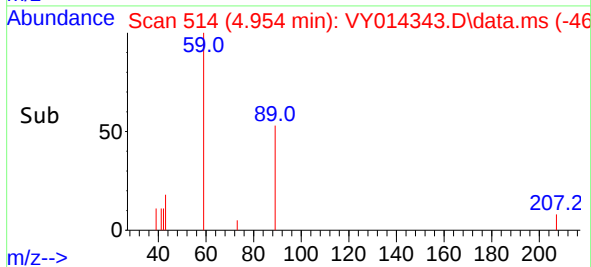
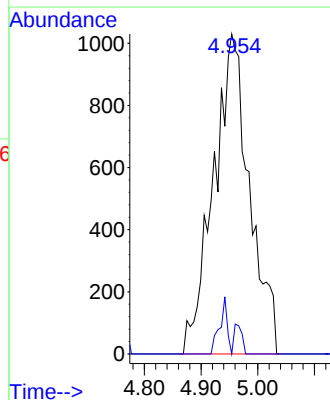
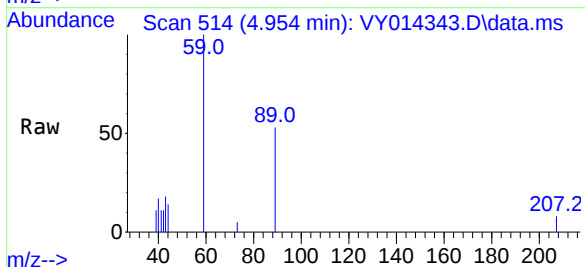
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-04-G

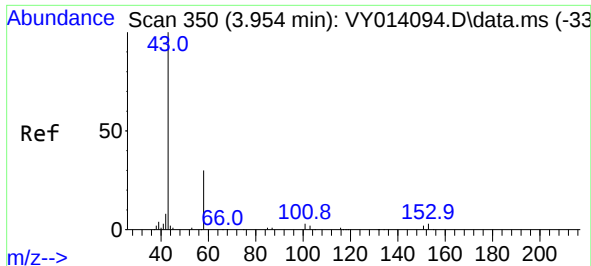
Tgt Ion:168 Resp: 178877
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Tgt Ion: 59 Resp: 4548
Ion Ratio Lower Upper
59 100
57 2.0 3.0 4.4#

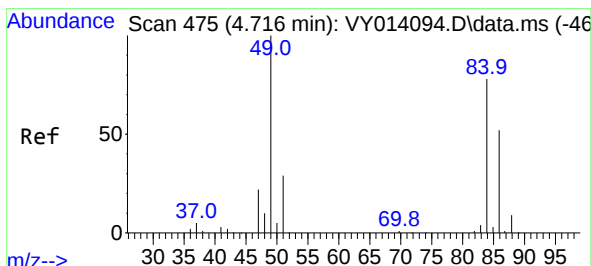
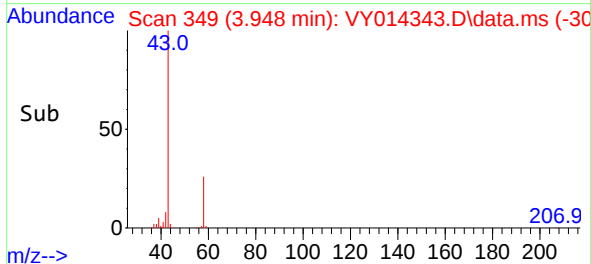
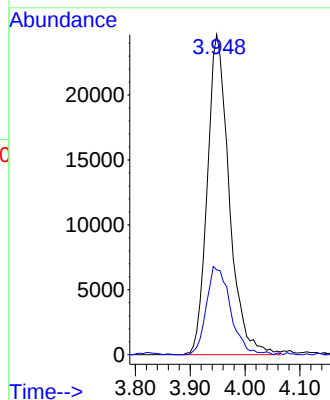
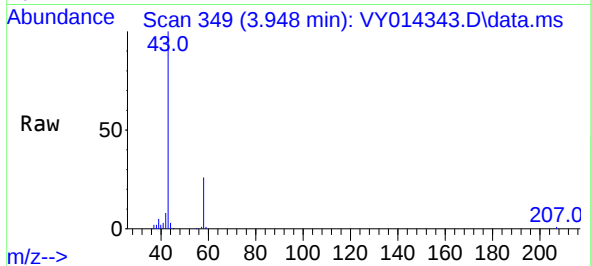




#16
Acetone
Concen: 91.100 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

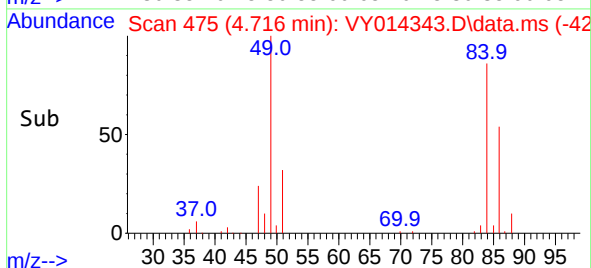
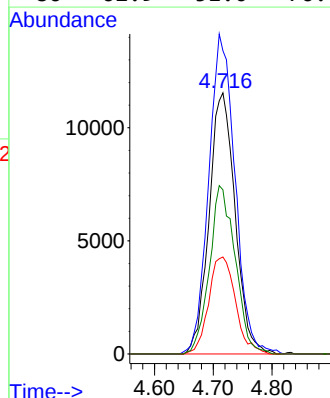
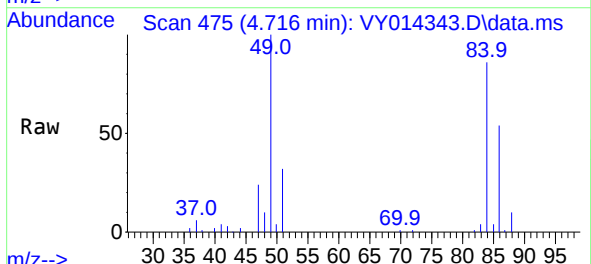
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-04-G

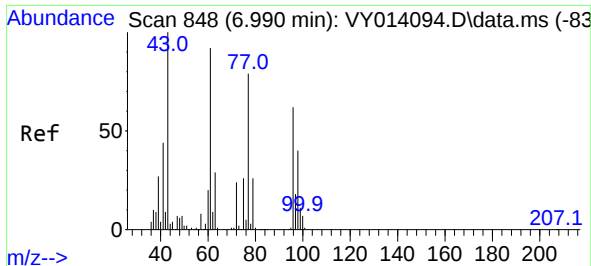
Tgt Ion: 43 Resp: 68401
Ion Ratio Lower Upper
43 100
58 26.5 22.7 34.1



#20
Methylene Chloride
Concen: 12.124 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Tgt Ion: 84 Resp: 35572
Ion Ratio Lower Upper
84 100
49 116.1 106.9 160.3
51 37.1 33.2 49.8
86 62.9 51.0 76.6

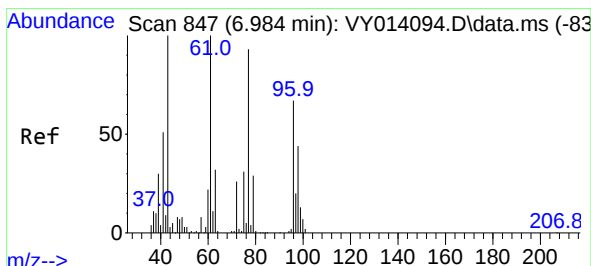
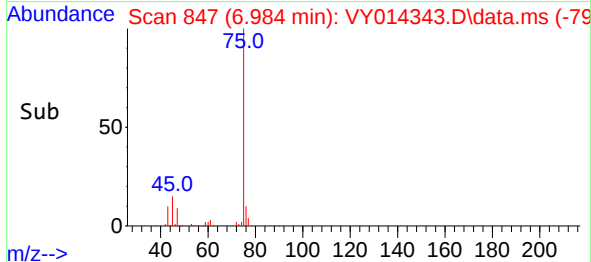
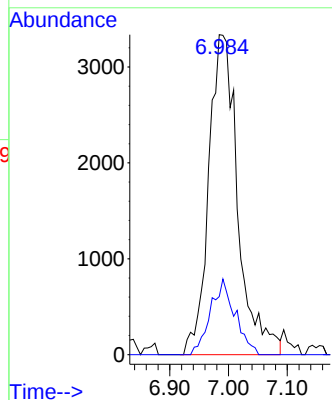
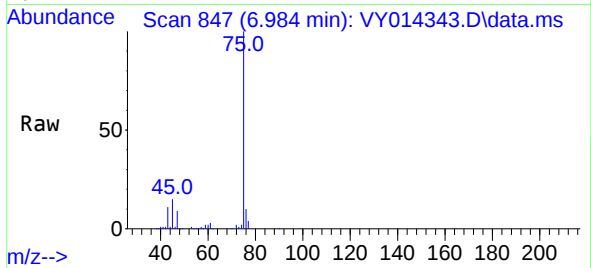




#25
2-Butanone
Concen: 12.443 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

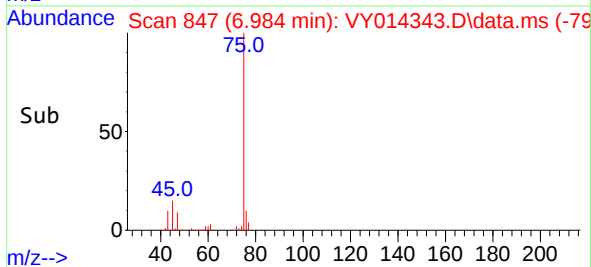
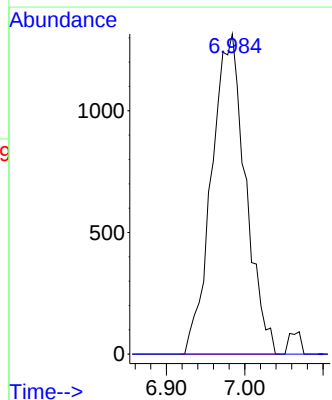
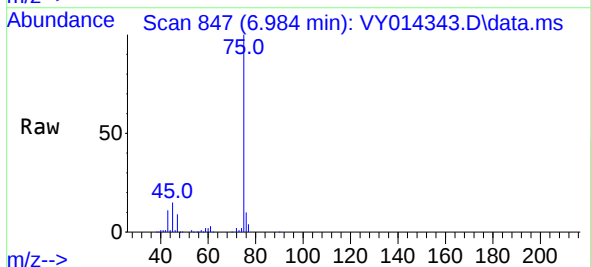
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-04-G

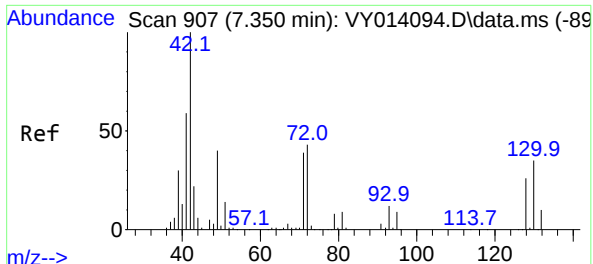
Tgt Ion: 43 Resp: 11500
Ion Ratio Lower Upper
43 100
72 18.2 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.028 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Tgt Ion: 77 Resp: 3945
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

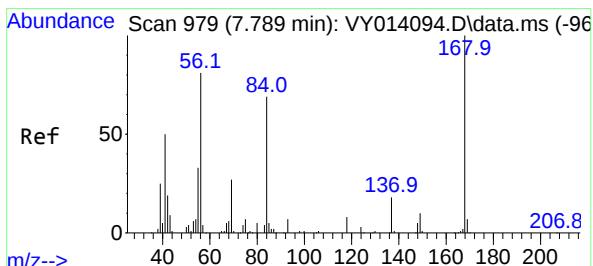
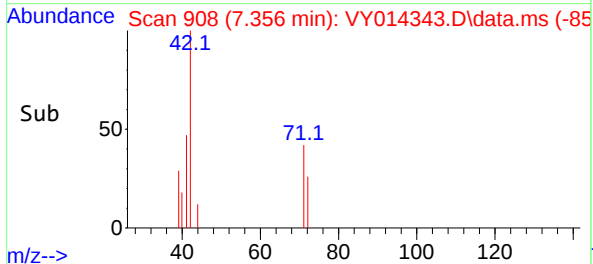
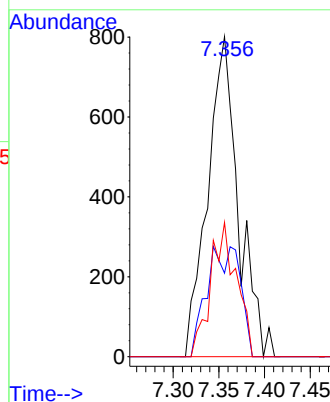
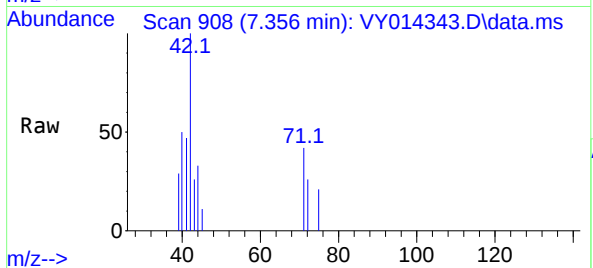




#29
Tetrahydrofuran
Concen: 3.201 ug/l
RT: 7.356 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

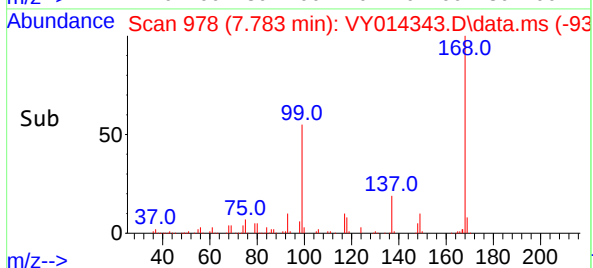
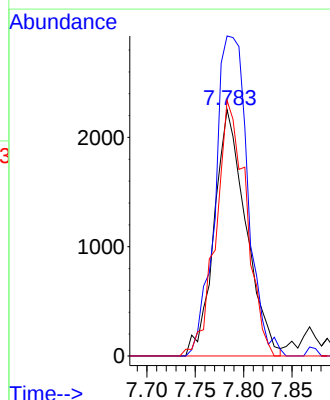
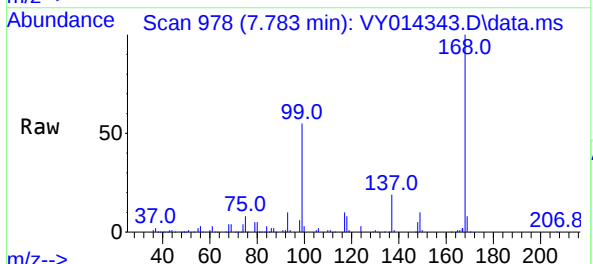
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-04-G

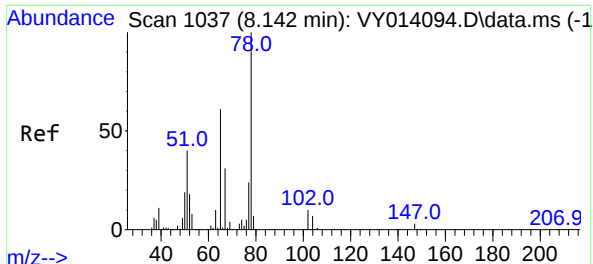
Tgt Ion: 42 Resp: 1876
Ion Ratio Lower Upper
42 100
72 21.5 32.8 49.2#
71 35.2 31.0 46.4



#31
Cyclohexane
Concen: 1.546 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Tgt Ion: 56 Resp: 5160
Ion Ratio Lower Upper
56 100
69 129.9 27.8 41.6#
84 103.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 50.208 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014343.D

Acq: 21 Jun 2023 18:05

Instrument :

MSVOA_Y

ClientSampleId :

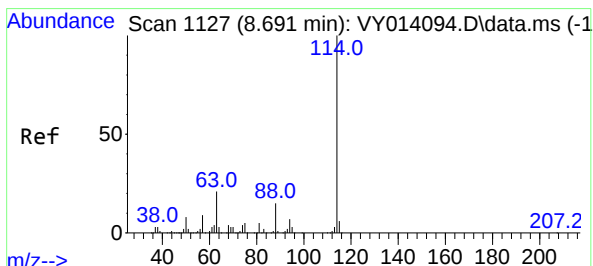
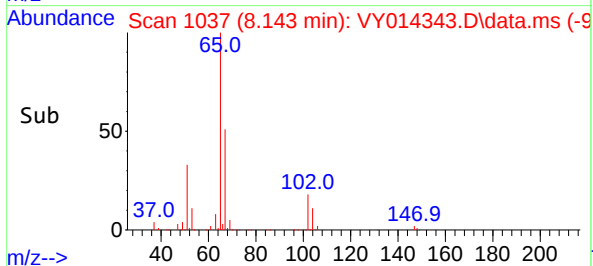
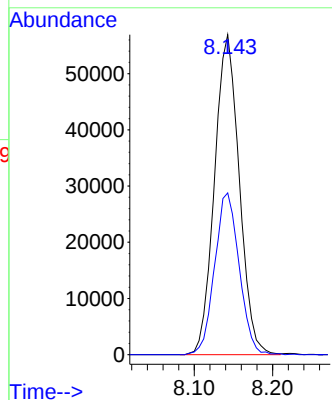
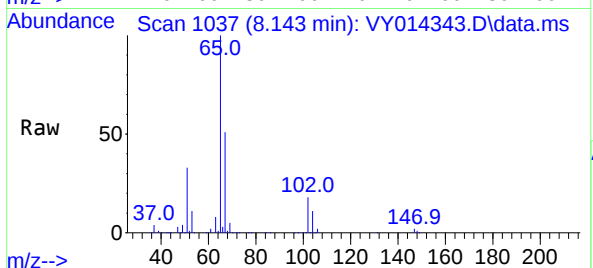
WC-SCAN-04-G

Tgt Ion: 65 Resp: 125062

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014343.D

Acq: 21 Jun 2023 18:05

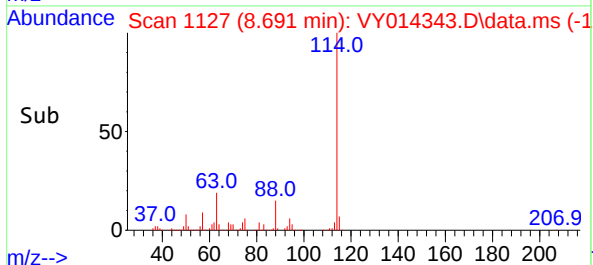
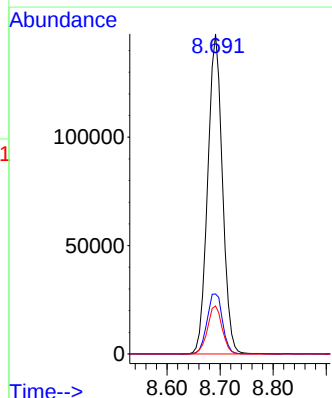
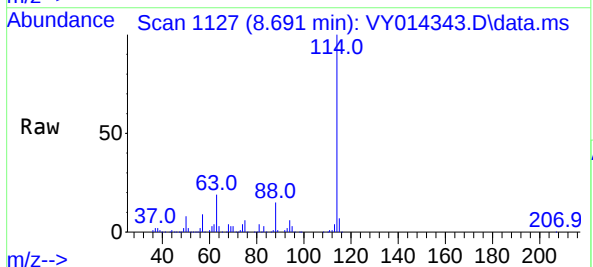
Tgt Ion: 114 Resp: 284055

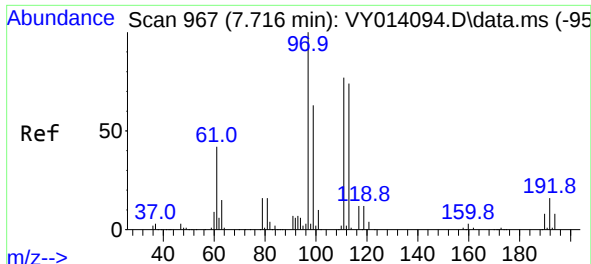
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.0 0.0 30.6

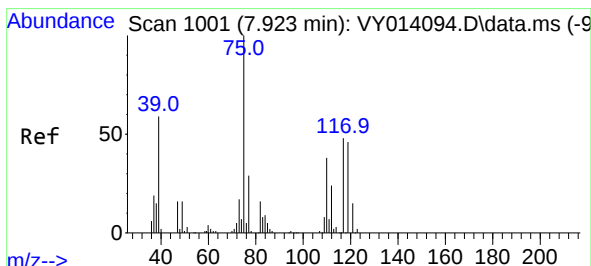
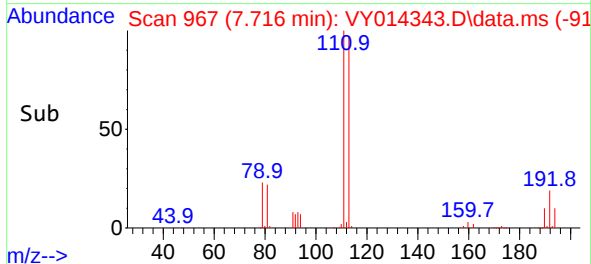
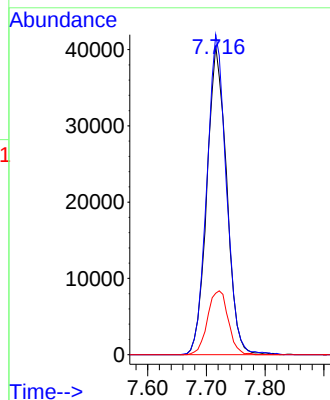
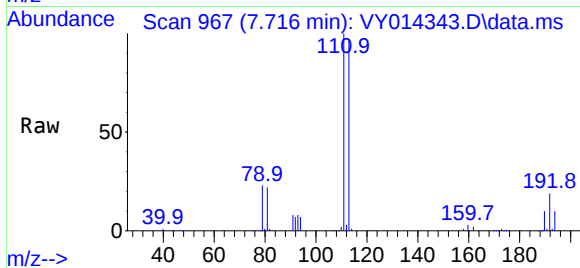




#35
Dibromofluoromethane
Concen: 46.754 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

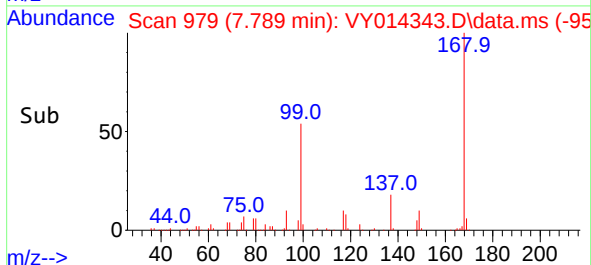
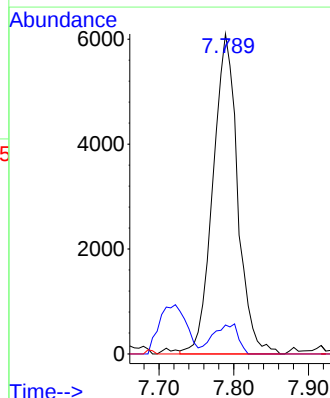
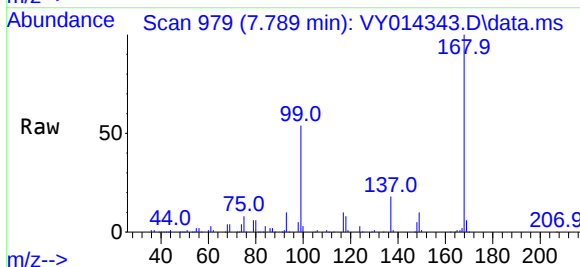
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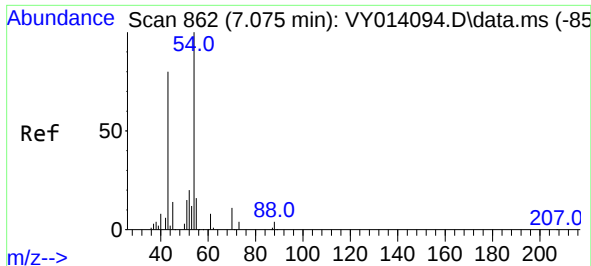
Tgt Ion:113 Resp: 94183
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 21.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.470 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Tgt Ion: 75 Resp: 14039
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.307 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY014343.D

Acq: 21 Jun 2023 18:05

Instrument :

MSVOA_Y

ClientSampleId :

WC-SCAN-04-G

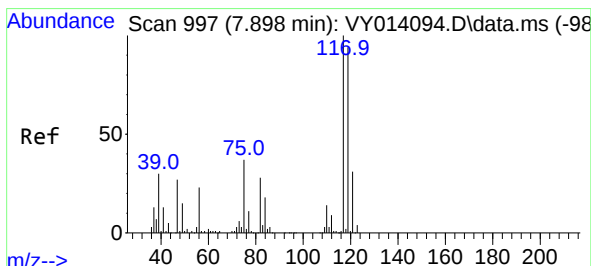
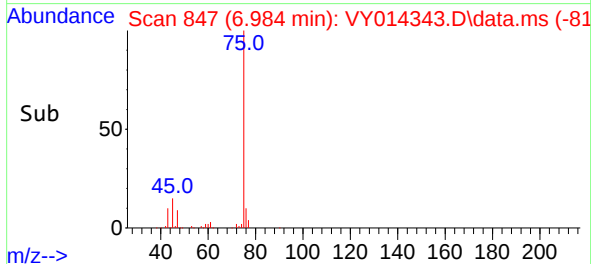
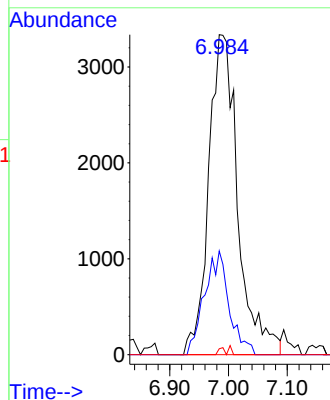
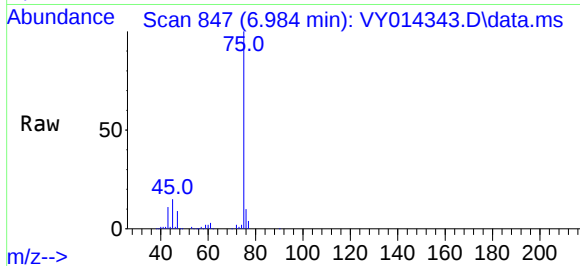
Tgt Ion: 43 Resp: 11500

Ion Ratio Lower Upper

43 100

61 27.3 10.1 15.1#

70 0.4 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.858 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014343.D

Acq: 21 Jun 2023 18:05

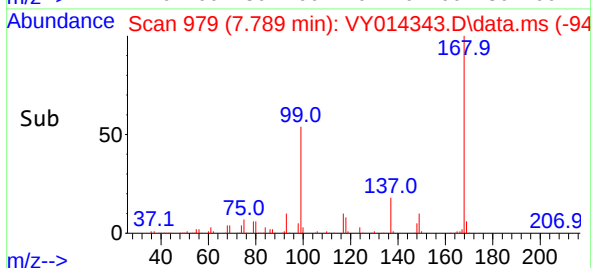
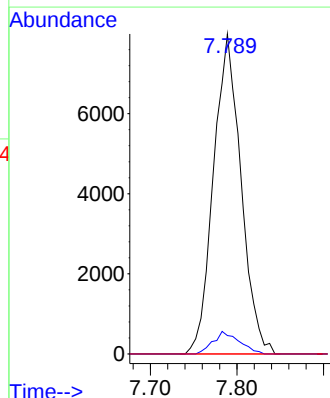
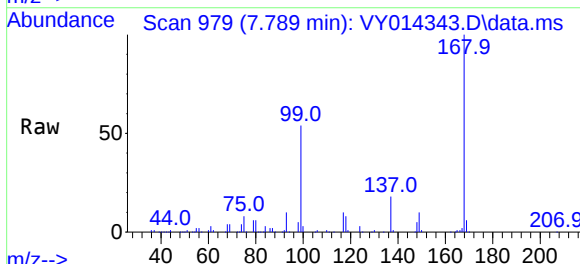
Tgt Ion:117 Resp: 17606

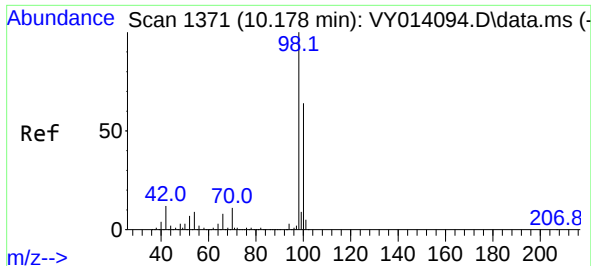
Ion Ratio Lower Upper

117 100

119 5.8 76.4 114.6#

121 0.0 25.8 38.6#

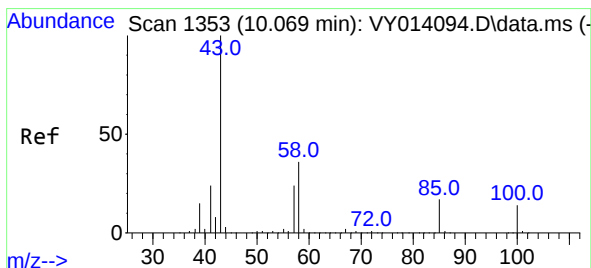
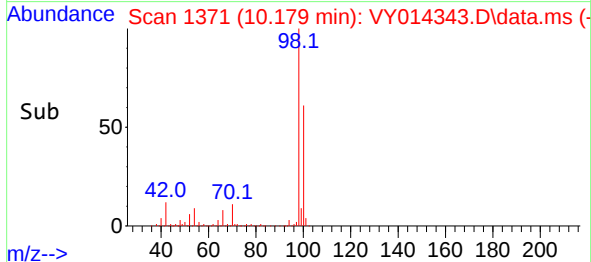
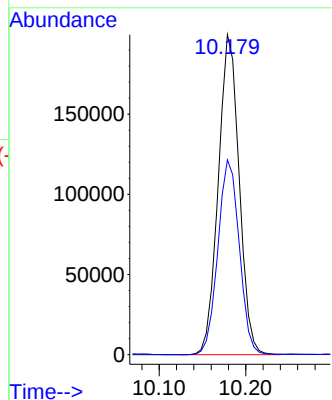
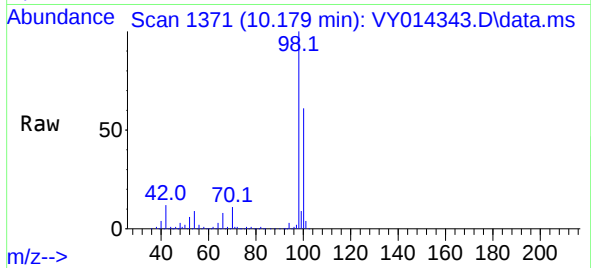




#50
Toluene-d8
Concen: 44.402 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

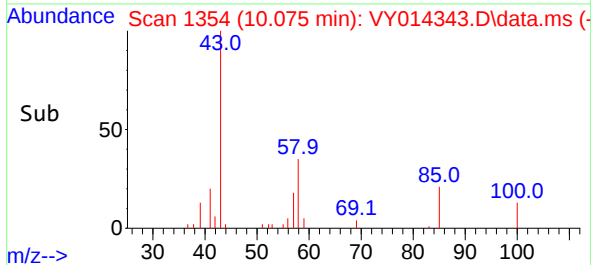
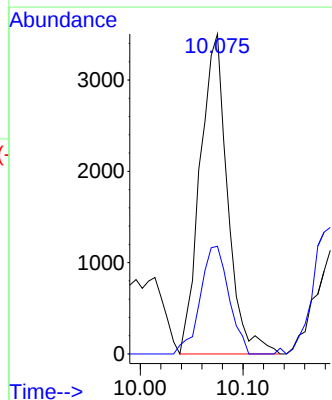
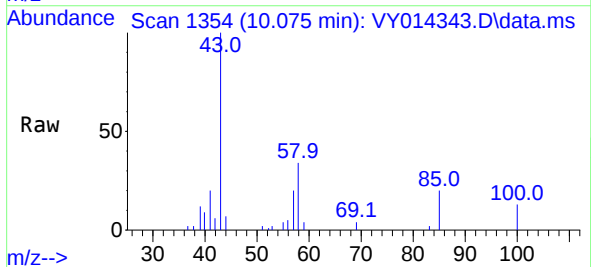
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-04-G

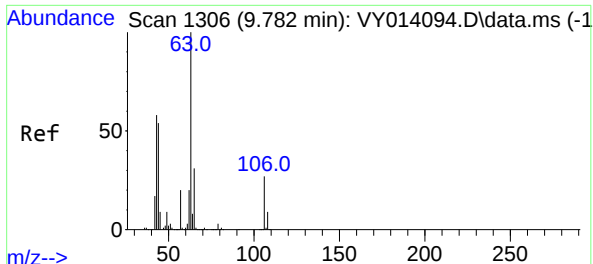
Tgt Ion: 98 Resp: 334403
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 3.160 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Tgt Ion: 43 Resp: 6520
Ion Ratio Lower Upper
43 100
58 35.0 29.0 43.6

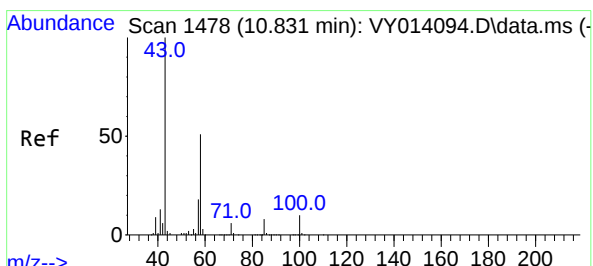
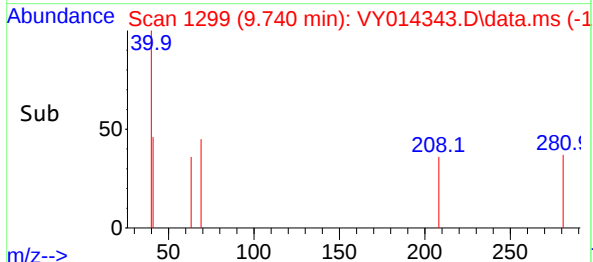
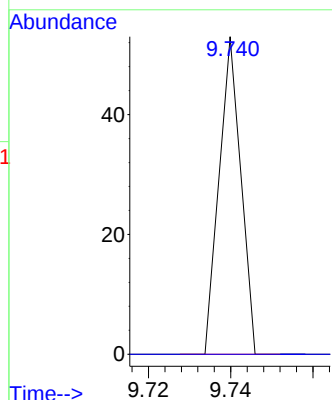
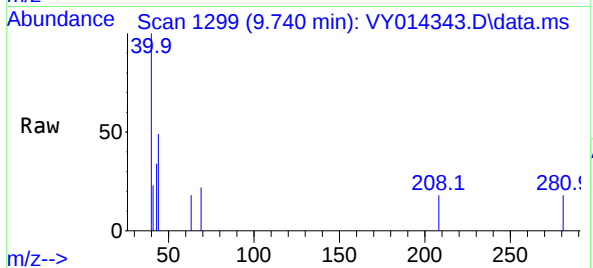




#58
2-Chloroethyl Vinyl ether
Concen: 28.634 ug/l
RT: 9.740 min Scan# 11
Delta R.T. -0.042 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

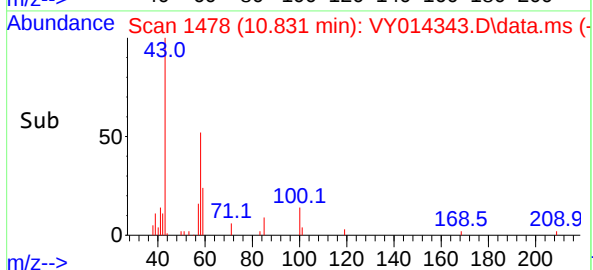
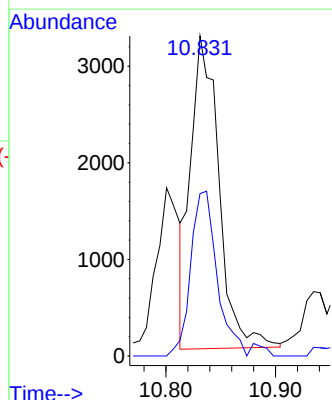
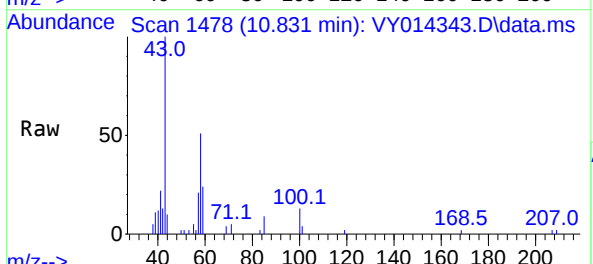
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-04-G

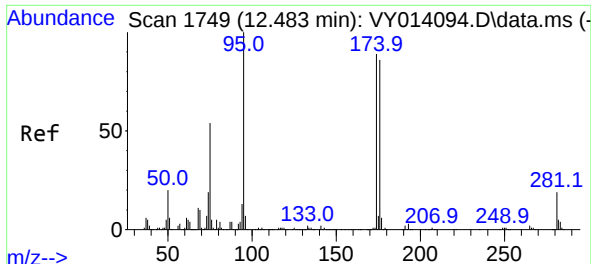
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#59
2-Hexanone
Concen: 3.884 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Tgt Ion: 43 Resp: 5789
Ion Ratio Lower Upper
43 100
58 49.2 25.1 75.3

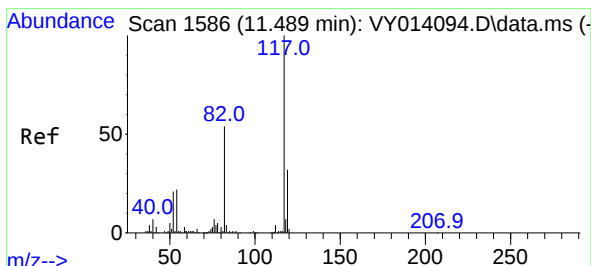
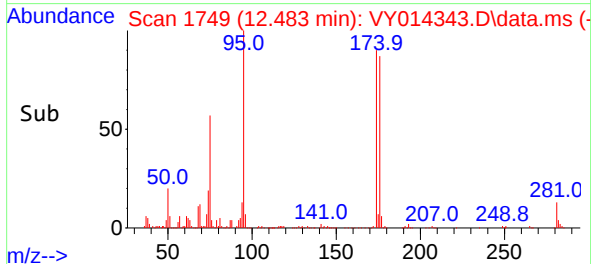
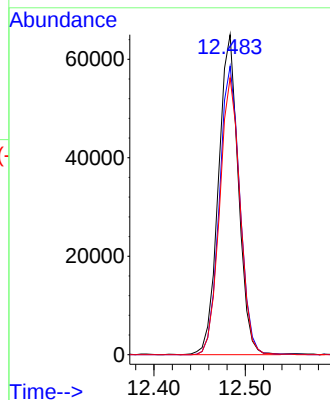
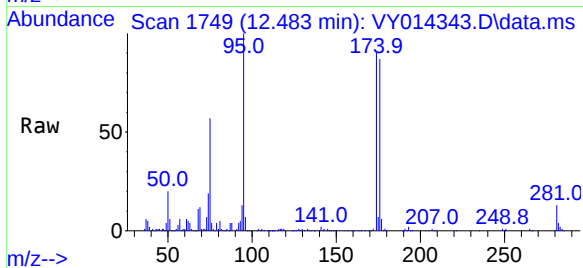




#62
4-Bromofluorobenzene
Concen: 36.775 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

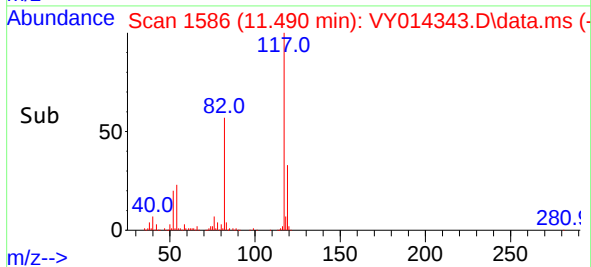
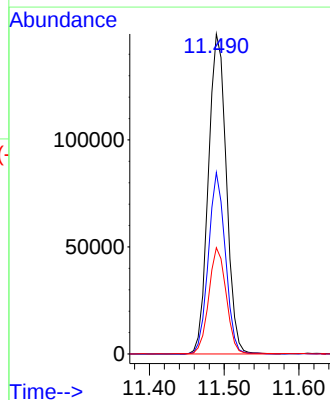
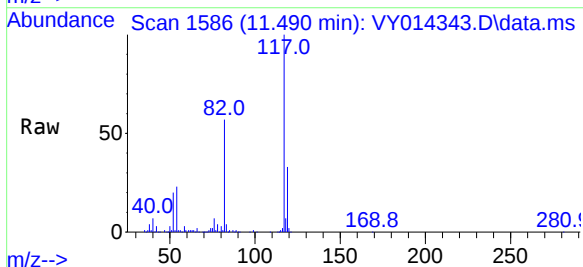
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-04-G

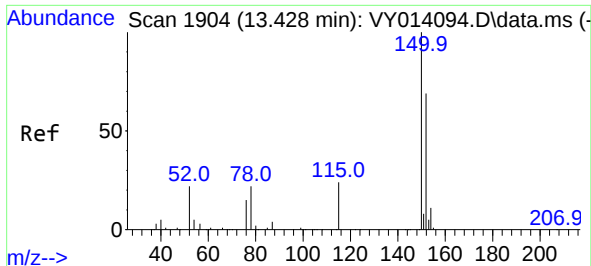
Tgt Ion: 95 Resp: 98384
Ion Ratio Lower Upper
95 100
174 92.4 0.0 178.2
176 88.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Tgt Ion: 117 Resp: 250224
Ion Ratio Lower Upper
117 100
82 56.7 43.4 65.0
119 33.1 26.3 39.5

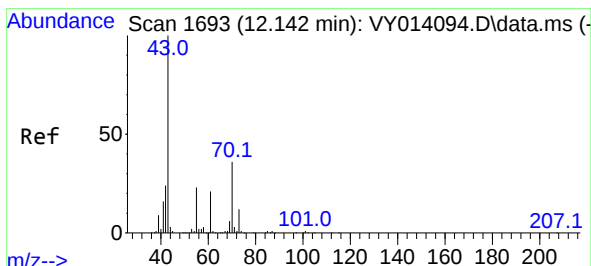
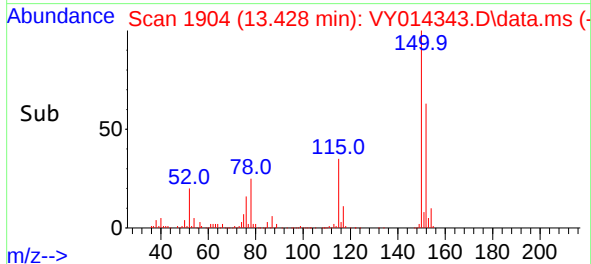
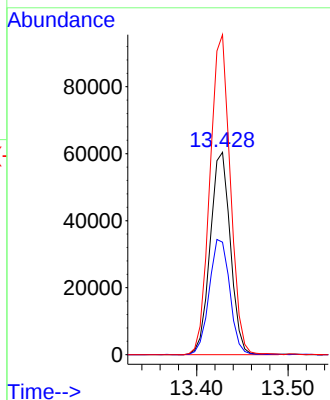
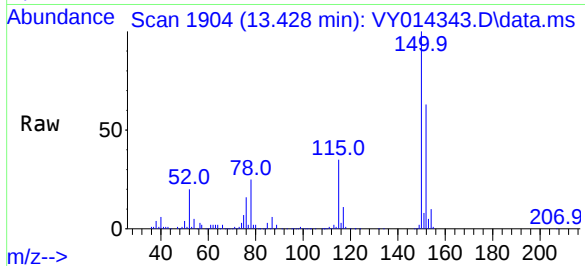




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

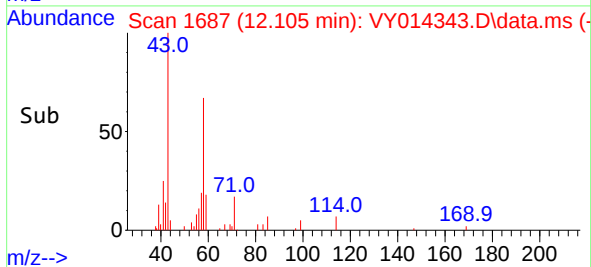
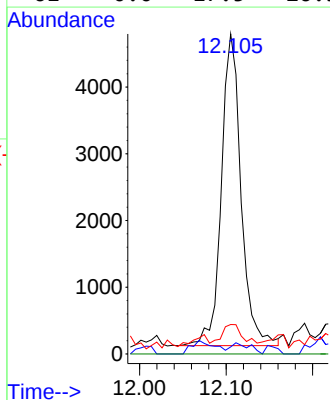
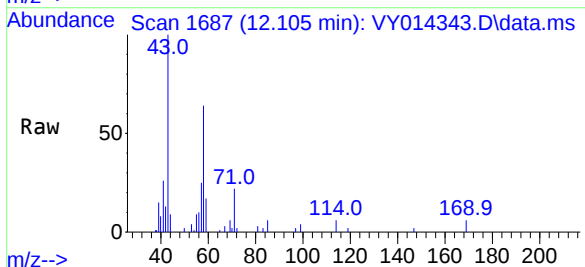
Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-04-G

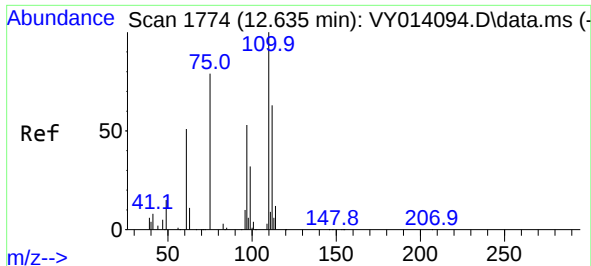
Tgt Ion:152 Resp: 92458
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 159.5 0.0 348.8



#74
N-ethyl acetate
Concen: 3.309 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.037 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Tgt Ion: 43 Resp: 7397
Ion Ratio Lower Upper
43 100
70 3.4 29.7 44.5#
55 10.2 18.3 27.5#
61 0.0 17.5 26.3#

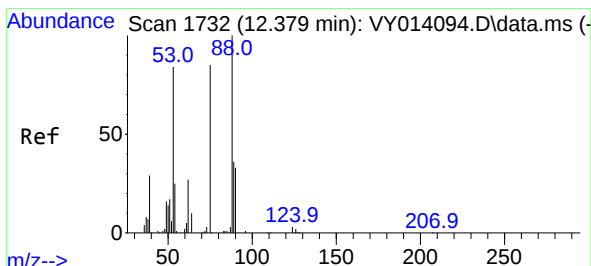
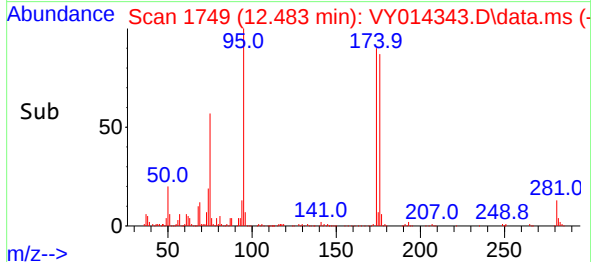
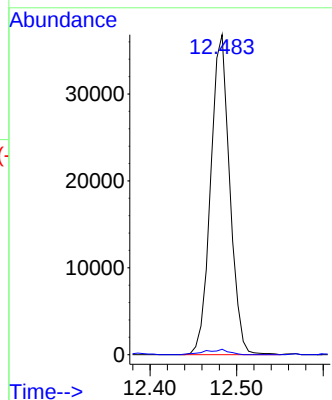
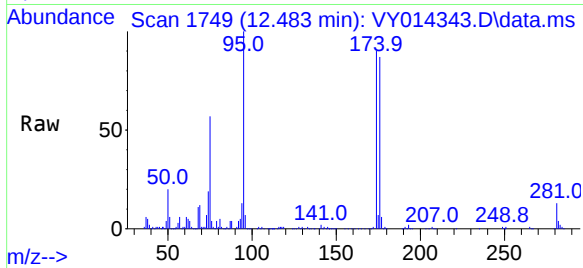




#76
1,2,3-Trichloropropane
Concen: 46.503 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Instrument :
MSVOA_Y
ClientSampleId :
WC-SCAN-04-G

Tgt Ion: 75 Resp: 56409
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.521 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014343.D
Acq: 21 Jun 2023 18:05

Tgt Ion: 75 Resp: 56409
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

