

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014305.D
 Acq On : 21 Jun 2023 00:52
 Operator : KP/MD
 Sample : 03321-07
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-23

Quant Time: Jun 21 02:12:02 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)

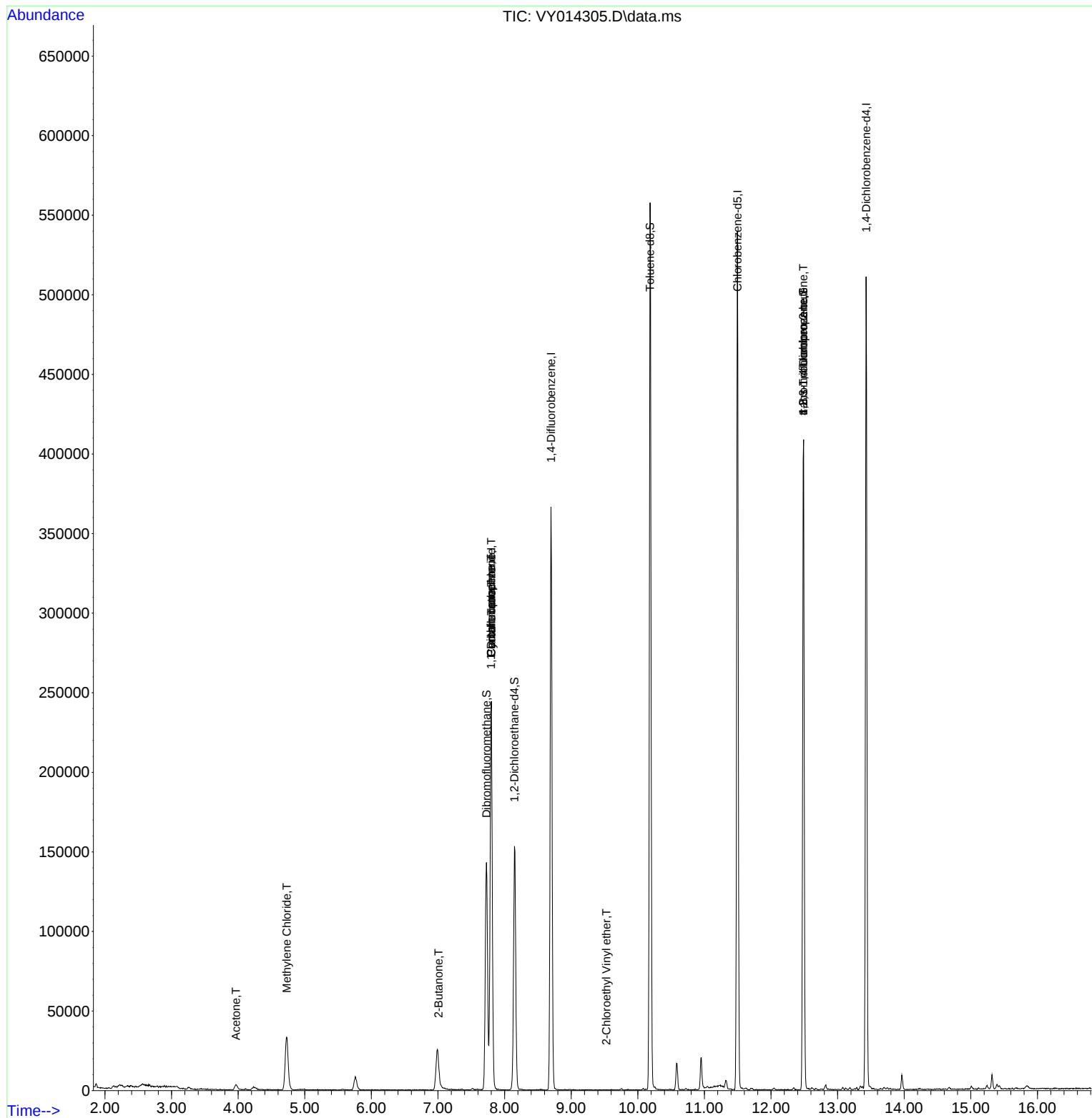
Internal Standards						
1) Pentafluorobenzene	7.801	168	188675	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	302673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	280873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	128310	48.837	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.680%
35) Dibromofluoromethane	7.728	113	99196	46.213	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.420%
50) Toluene-d8	10.185	98	361043	44.991	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.980%
62) 4-Bromofluorobenzene	12.483	95	117906	41.361	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	90	Below Cal	#	89
16) Acetone	3.966	43	6020	7.601	ug/l	99
20) Methylene Chloride	4.729	84	24658	6.644	ug/l	94
25) 2-Butanone	7.009	43	2006	2.058	ug/l	# 67
31) Cyclohexane	7.801	56	4245	1.206	ug/l	# 13
36) 1,1-Dichloropropene	7.795	75	14406	4.305	ug/l	# 50
38) Carbon Tetrachloride	7.801	117	18526	4.797	ug/l	# 16
58) 2-Chloroethyl Vinyl ether	9.526	63	22	28.635	ug/l	# 48
76) 1,2,3-Trichloropropane	12.483	75	63004	35.977	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	63004	77.767	ug/l	# 11

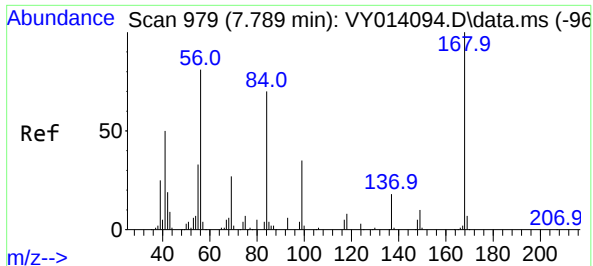
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 21 02:12:02 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

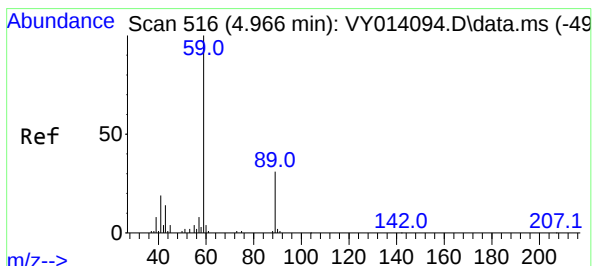
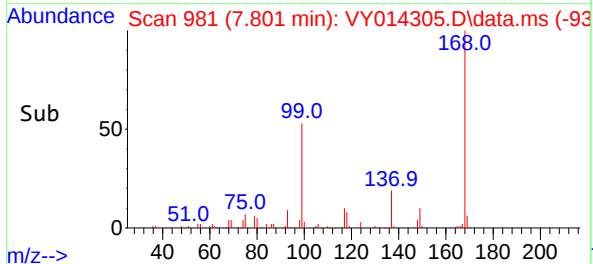
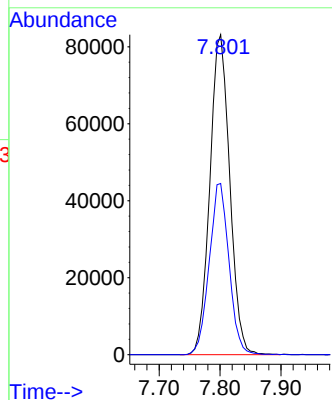
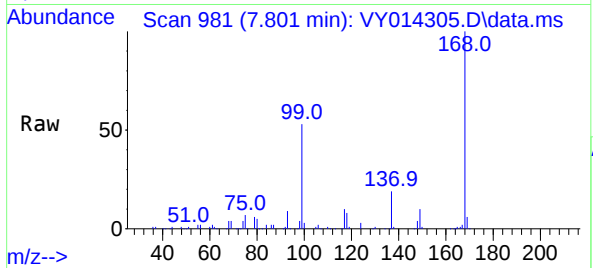




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 99
Delta R.T. 0.012 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

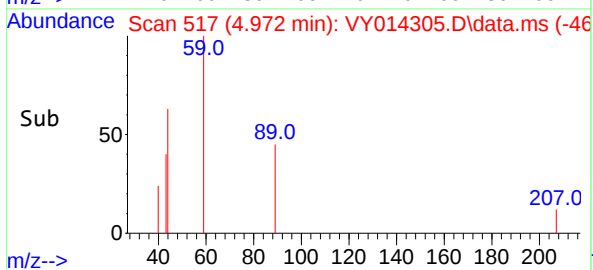
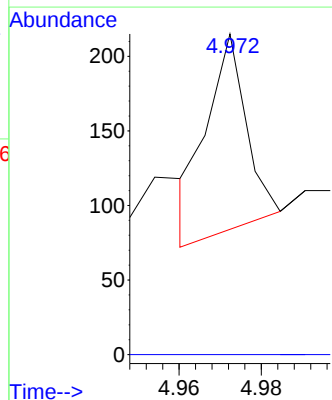
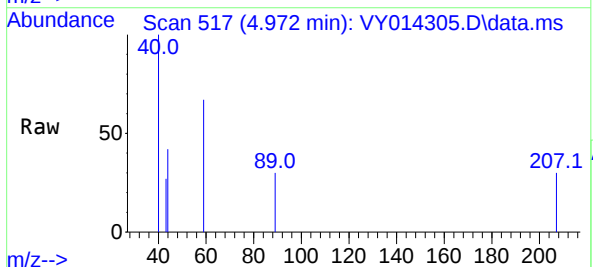
Instrument :
MSVOA_Y
ClientSampleId :
WC-23

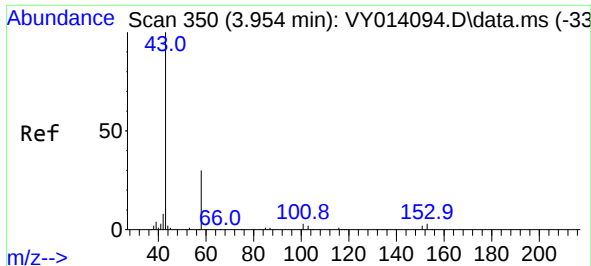
Tgt Ion:168 Resp: 188675
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

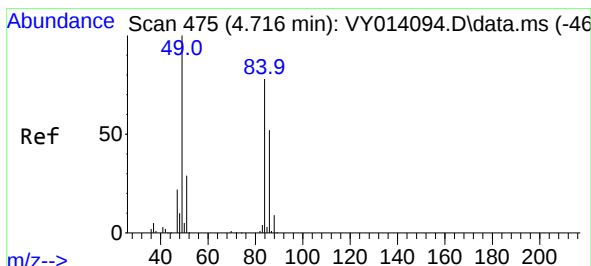
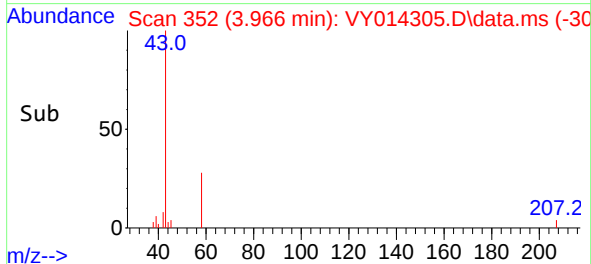
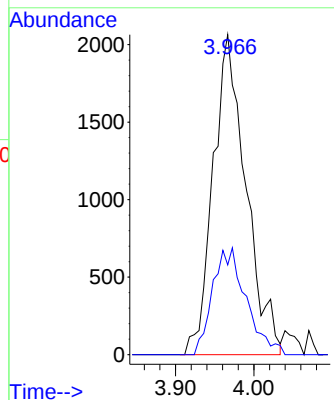
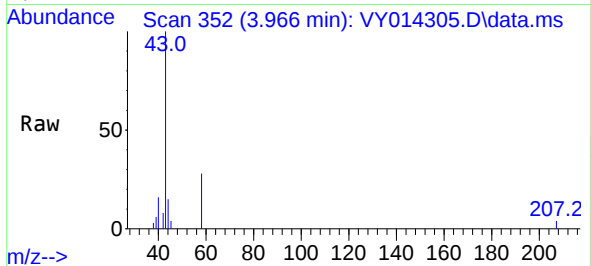




#16
Acetone
Concen: 7.601 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

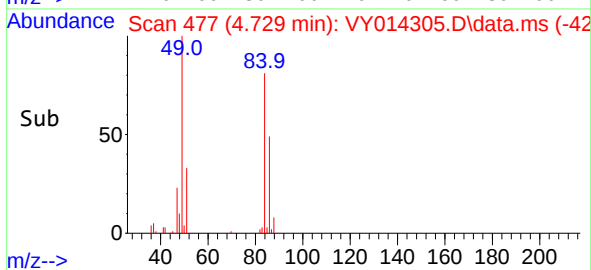
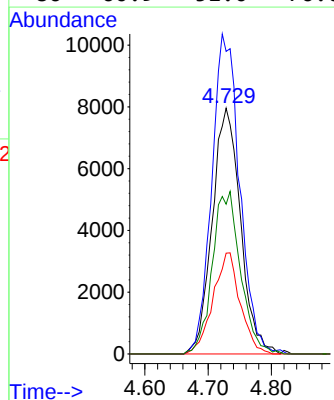
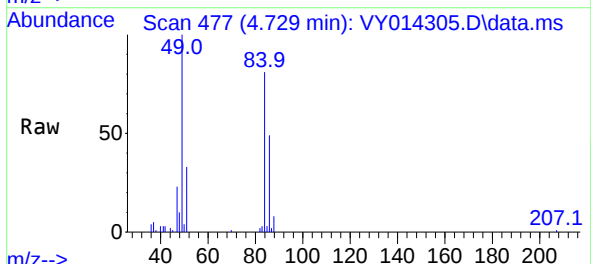
Instrument :
MSVOA_Y
ClientSampleId :
WC-23

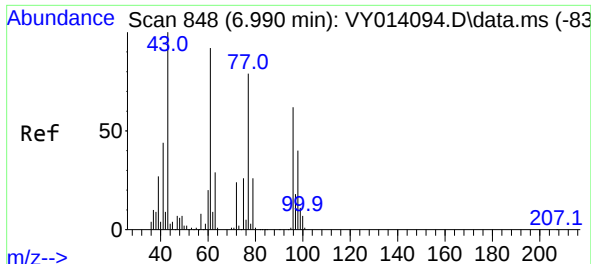
Tgt Ion: 43 Resp: 6020
Ion Ratio Lower Upper
43 100
58 28.1 22.7 34.1



#20
Methylene Chloride
Concen: 6.644 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

Tgt Ion: 84 Resp: 24658
Ion Ratio Lower Upper
84 100
49 123.1 106.9 160.3
51 41.0 33.2 49.8
86 60.9 51.0 76.6

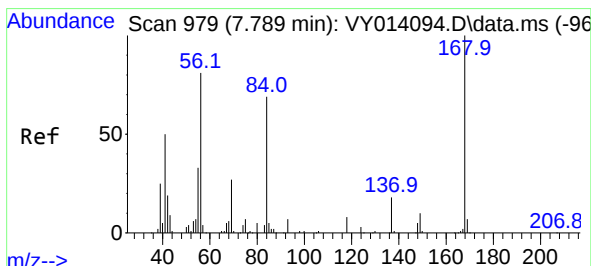
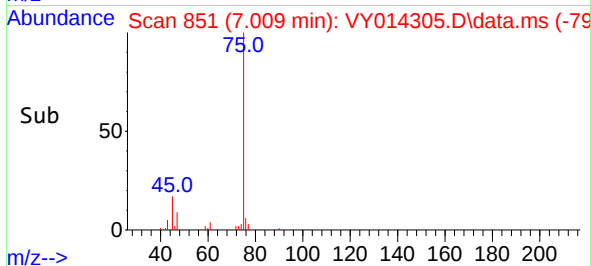
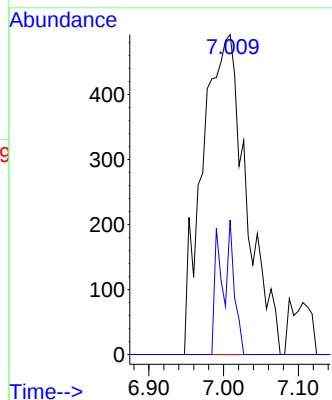
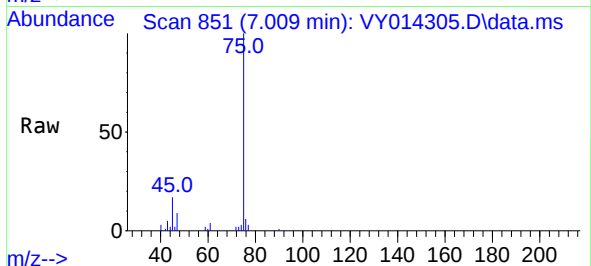




#25
2-Butanone
Concen: 2.058 ug/l
RT: 7.009 min Scan# 81
Delta R.T. 0.019 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

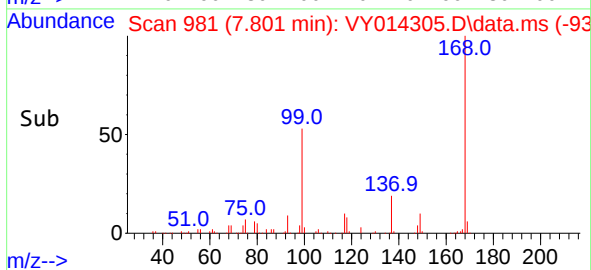
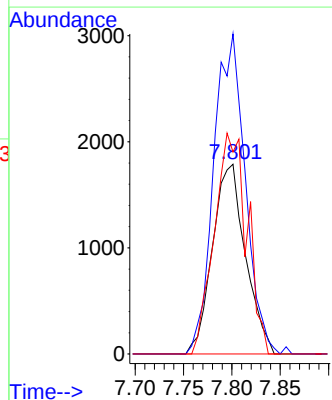
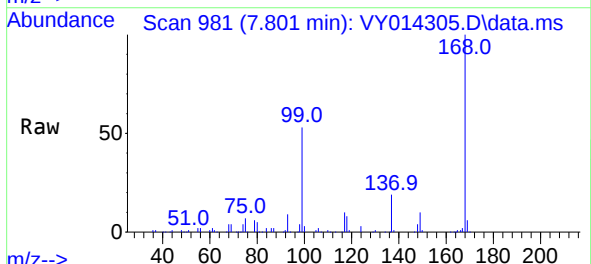
Instrument :
MSVOA_Y
ClientSampleId :
WC-23

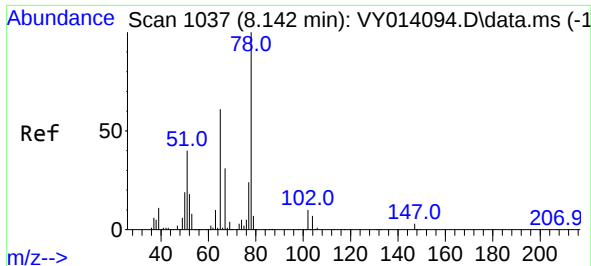
Tgt Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
72 42.1 20.5 30.7#



#31
Cyclohexane
Concen: 1.206 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

Tgt Ion: 56 Resp: 4245
Ion Ratio Lower Upper
56 100
69 168.7 27.8 41.6#
84 106.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.837 ug/l

RT: 8.149 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014305.D

Acq: 21 Jun 2023 00:52

Instrument :

MSVOA_Y

ClientSampleId :

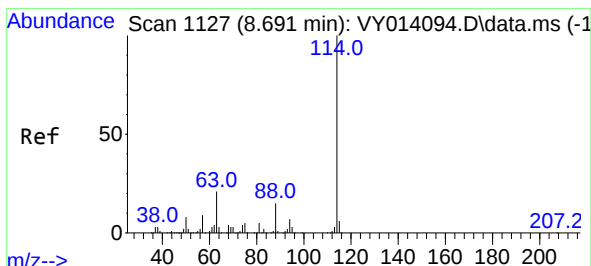
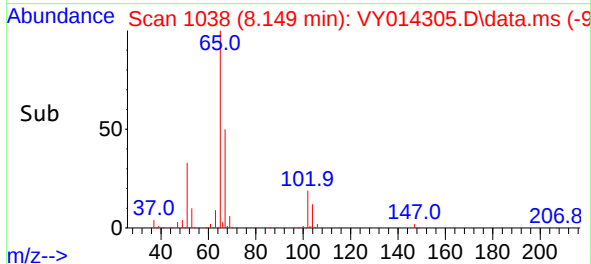
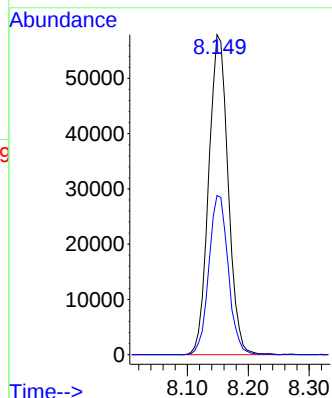
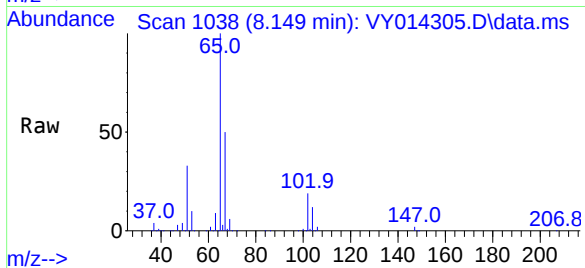
WC-23

Tgt Ion: 65 Resp: 128310

Ion Ratio Lower Upper

65 100

67 49.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014305.D

Acq: 21 Jun 2023 00:52

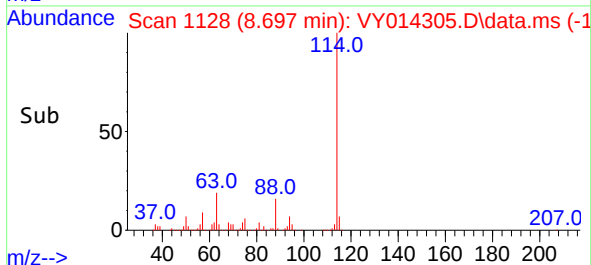
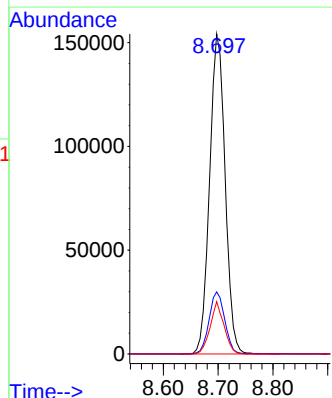
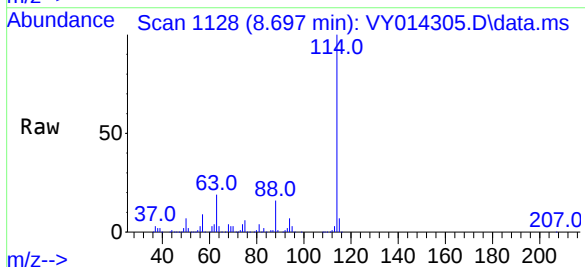
Tgt Ion:114 Resp: 302673

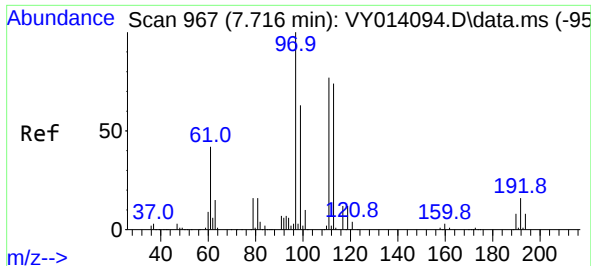
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 16.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.213 ug/l

RT: 7.728 min Scan# 9

Delta R.T. 0.012 min

Lab File: VY014305.D

Acq: 21 Jun 2023 00:52

Instrument :

MSVOA_Y

ClientSampleId :

WC-23

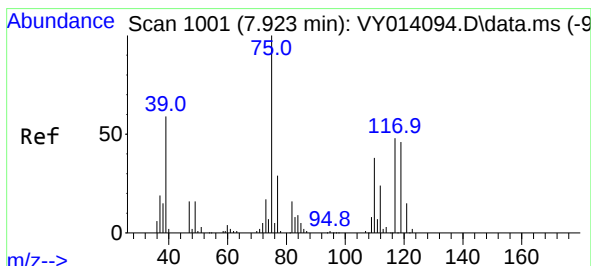
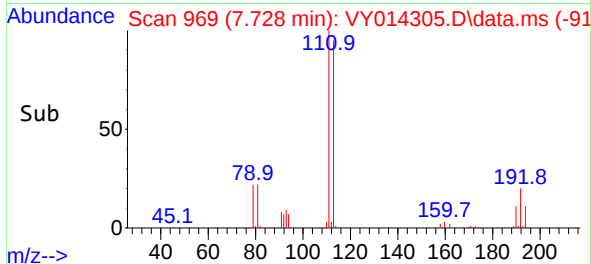
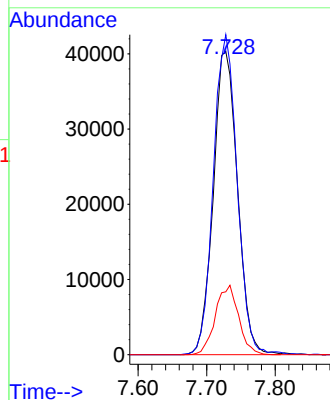
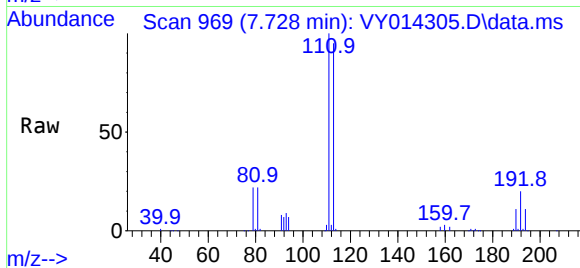
Tgt Ion:113 Resp: 99196

Ion Ratio Lower Upper

113 100

111 103.4 81.3 121.9

192 21.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.305 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY014305.D

Acq: 21 Jun 2023 00:52

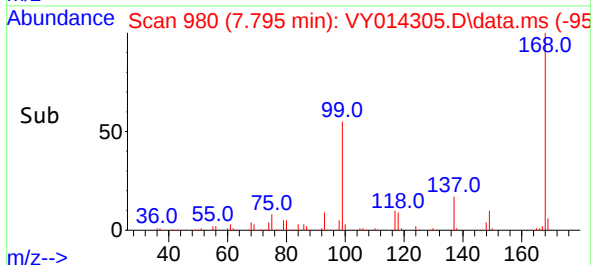
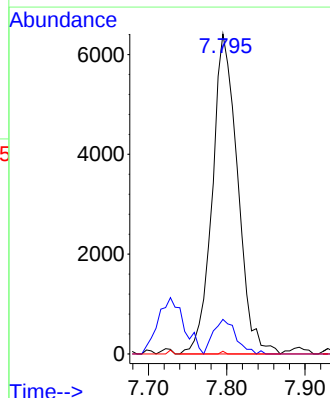
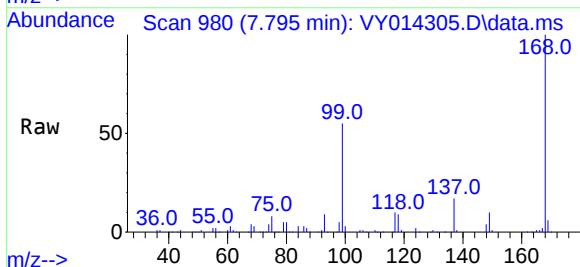
Tgt Ion: 75 Resp: 14406

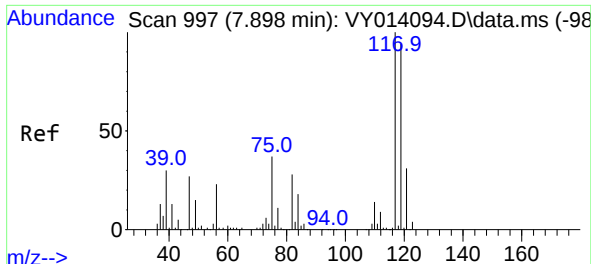
Ion Ratio Lower Upper

75 100

110 9.7 17.8 53.5#

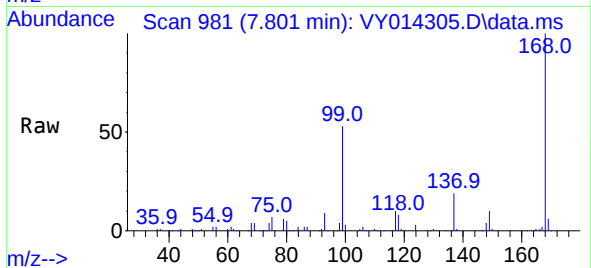
77 0.1 24.4 36.6#



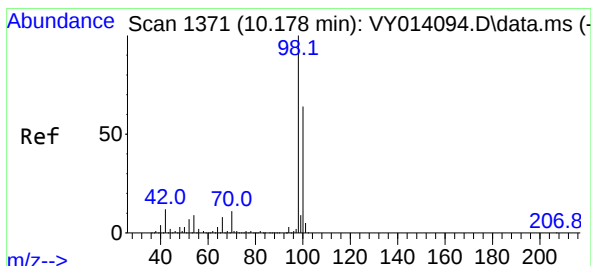
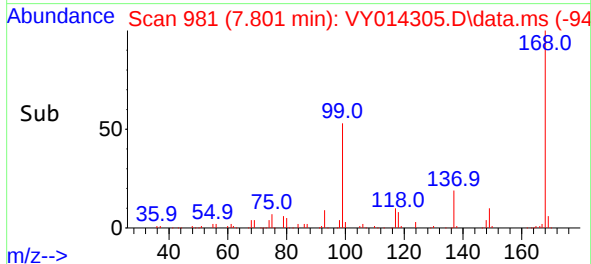
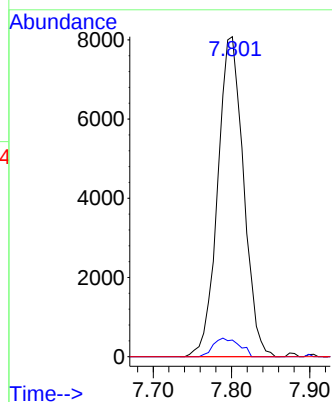


#38
Carbon Tetrachloride
Concen: 4.797 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

Instrument :
MSVOA_Y
ClientSampleId :
WC-23

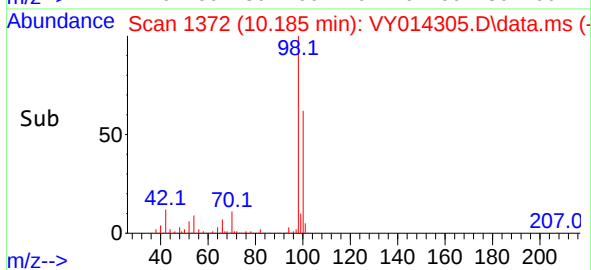
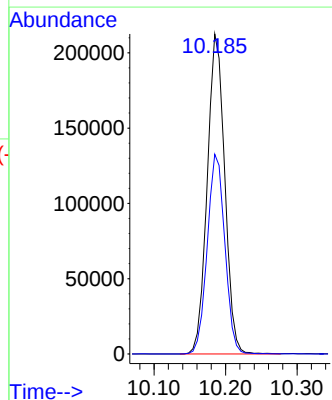
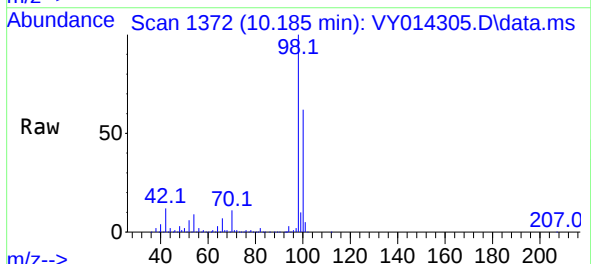


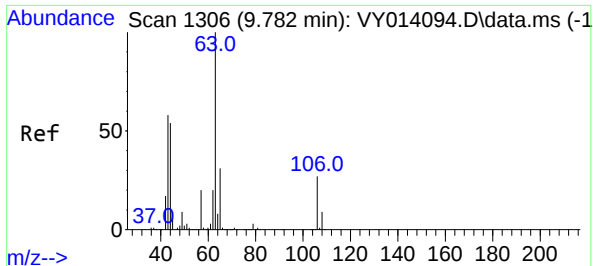
Tgt Ion:117 Resp: 18526
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 44.991 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

Tgt Ion: 98 Resp: 361043
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1

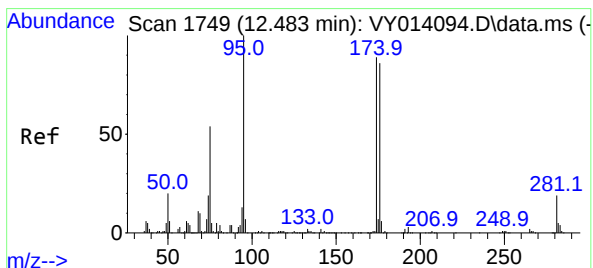
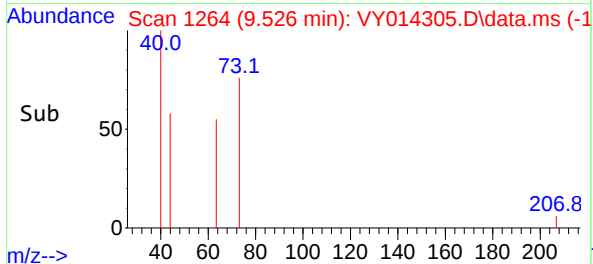
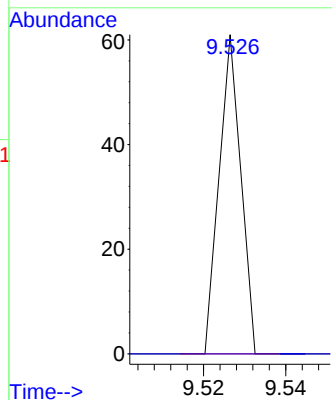
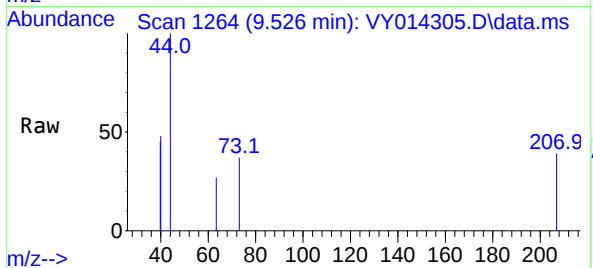




#58
2-Chloroethyl Vinyl ether
Concen: 28.635 ug/l
RT: 9.526 min Scan# 11
Delta R.T. -0.256 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

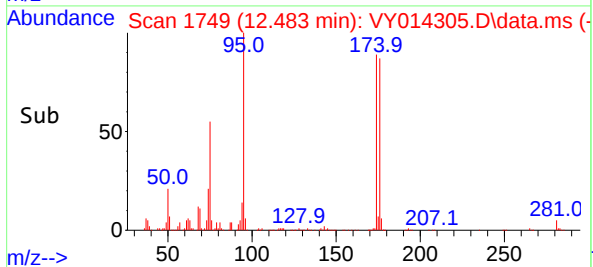
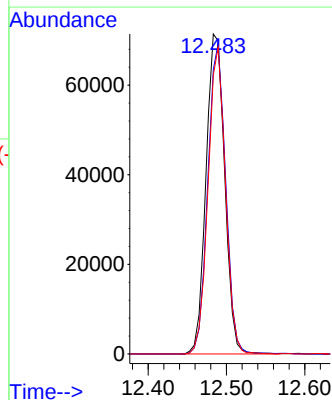
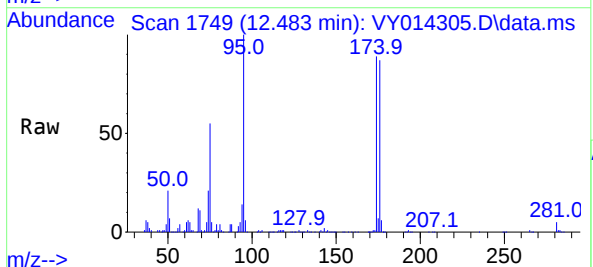
Instrument :
MSVOA_Y
ClientSampleId :
WC-23

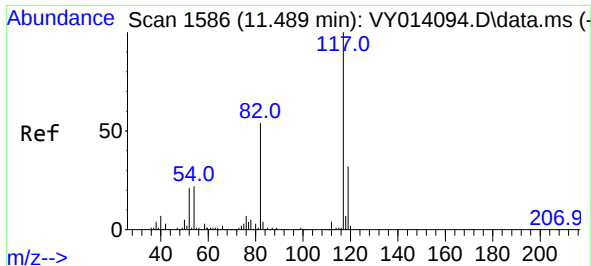
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 41.361 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

Tgt Ion: 95 Resp: 117906
Ion Ratio Lower Upper
95 100
174 92.7 0.0 178.2
176 89.6 0.0 173.8

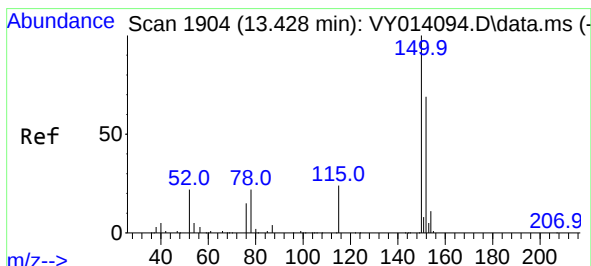
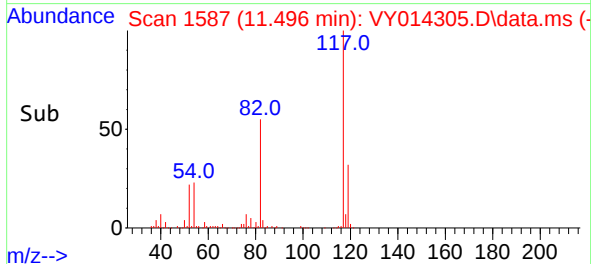
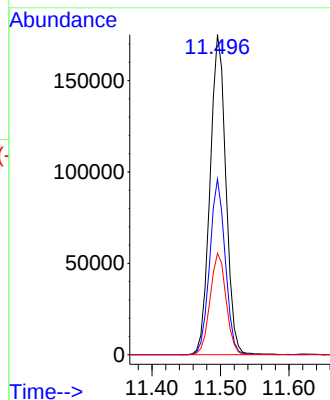
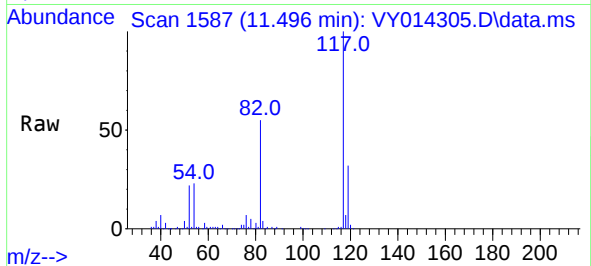




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.007 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

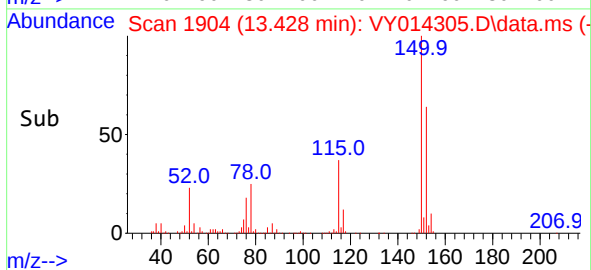
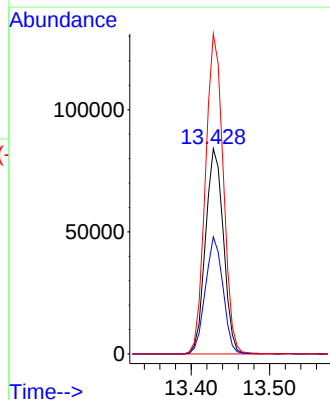
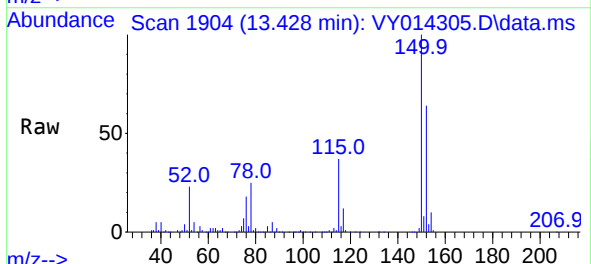
Instrument :
MSVOA_Y
ClientSampleId :
WC-23

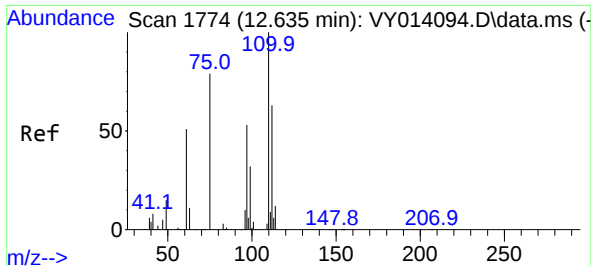
Tgt Ion:117 Resp: 280873
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

Tgt Ion:152 Resp: 133482
Ion Ratio Lower Upper
152 100
115 56.0 28.8 86.5
150 155.0 0.0 348.8

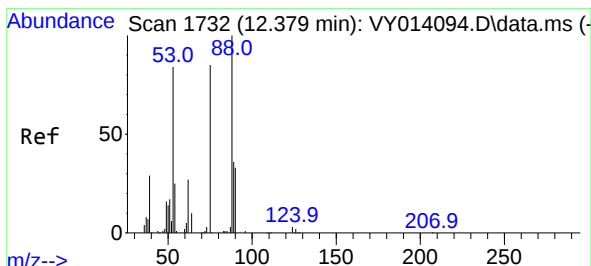
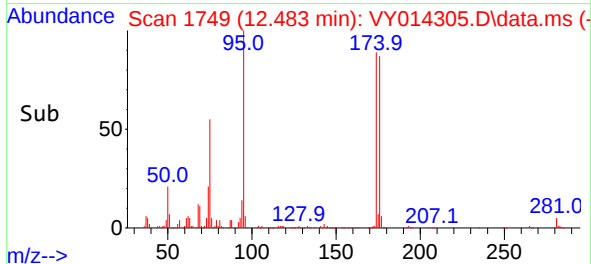
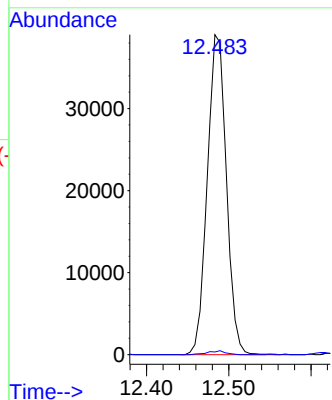
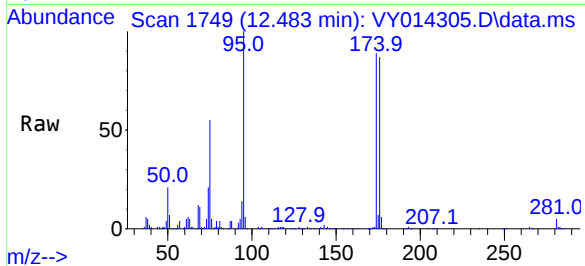




#76
1,2,3-Trichloropropane
Concen: 35.977 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

Instrument :
MSVOA_Y
ClientSampleId :
WC-23

Tgt Ion: 75 Resp: 63004
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.767 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014305.D
Acq: 21 Jun 2023 00:52

Tgt Ion: 75 Resp: 63004
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.0 37.4 56.0#

