

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014591.D
 Acq On : 06 Jul 2023 16:19
 Operator : KP/MD
 Sample : 03541-09
 Misc : 3.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-WWS-09-G

Quant Time: Jul 07 06:15:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

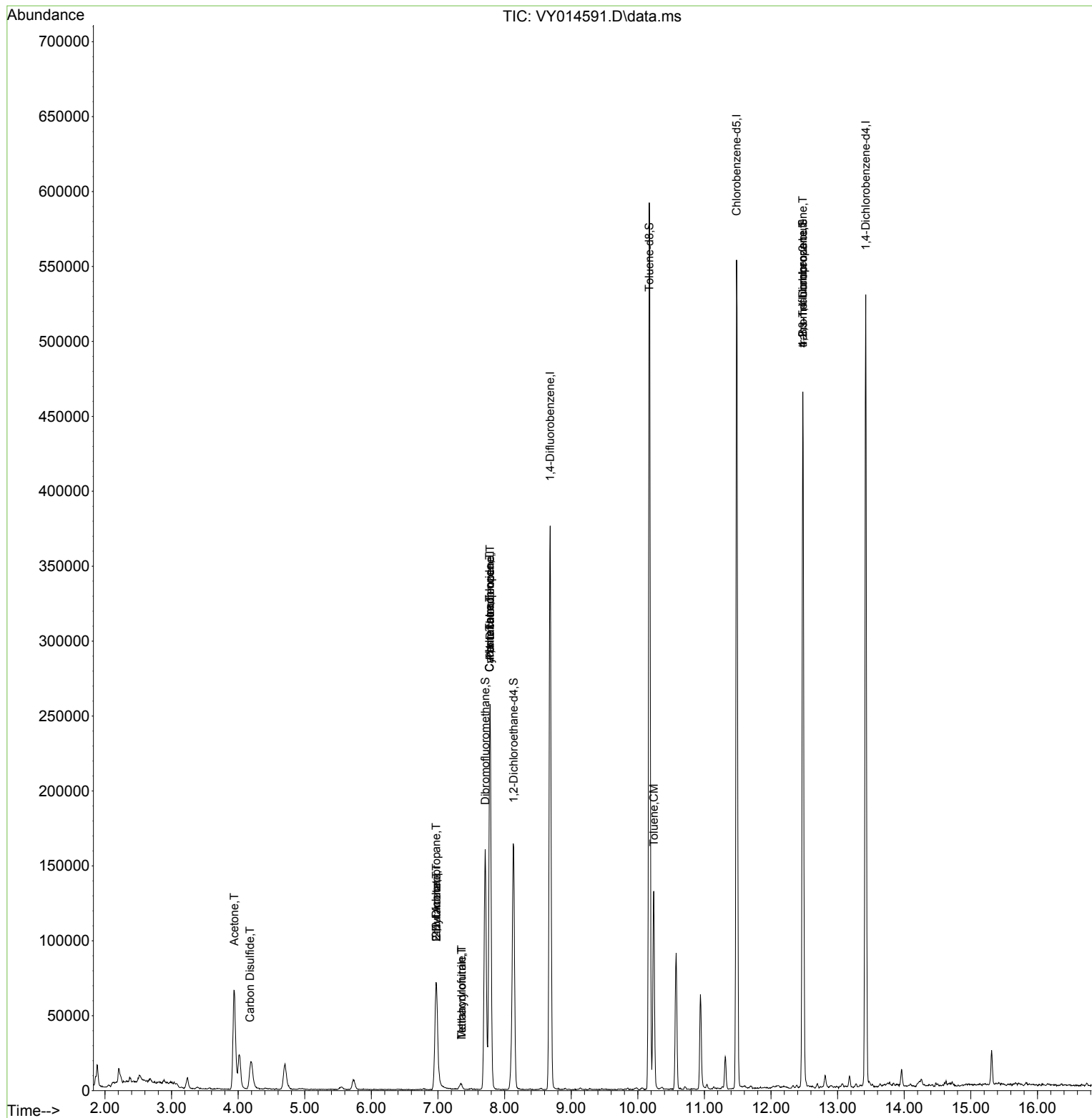
Internal Standards						
1) Pentafluorobenzene	7.783	168	216492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	339839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	322200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123055	57.138	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.280%	
35) Dibromofluoromethane	7.710	113	112274	53.649	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.300%	
50) Toluene-d8	10.173	98	407018	49.199	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.400%	
62) 4-Bromofluorobenzene	12.477	95	130398	45.392	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	151	Below Cal	#	43
11) Tert butyl alcohol	4.966	59	1595	Below Cal	#	89
16) Acetone	3.942	43	119503	177.684	ug/l	90
17) Carbon Disulfide	4.180	76	18495	2.989	ug/l	100
25) 2-Butanone	6.978	43	21695	21.785	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	4908	1.454	ug/l #	54
29) Tetrahydrofuran	7.356	42	2692	4.191	ug/l	94
31) Cyclohexane	7.777	56	3648	1.080	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15476	4.829	ug/l #	50
37) Ethyl Acetate	6.978	43	21695	9.871	ug/l #	83
38) Carbon Tetrachloride	7.777	117	18448	5.514	ug/l #	17
41) Methacrylonitrile	7.356	41	1890	1.760	ug/l #	38
52) Toluene	10.240	92	54200	8.878	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	61735	35.942	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61735	69.958	ug/l #	11

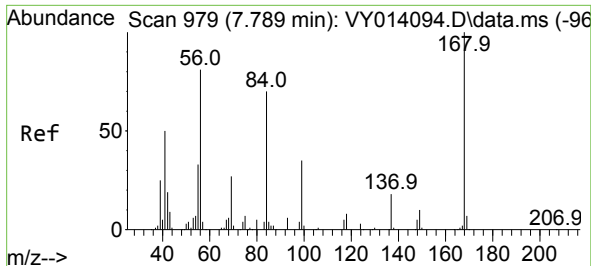
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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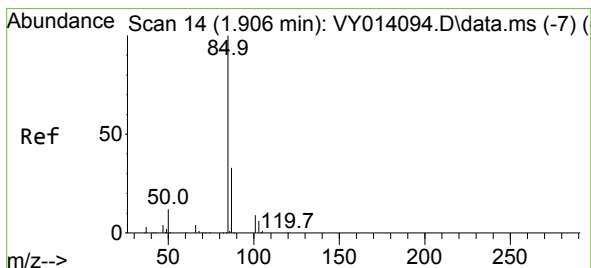
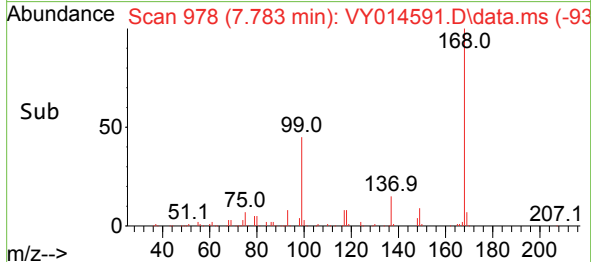
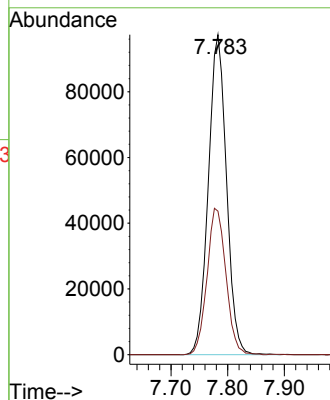
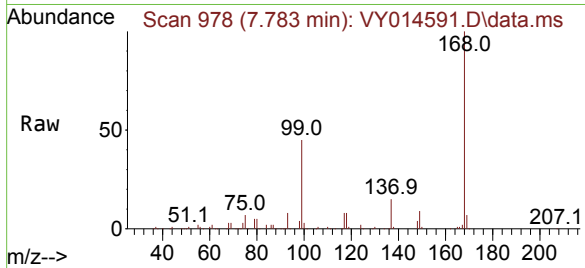




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

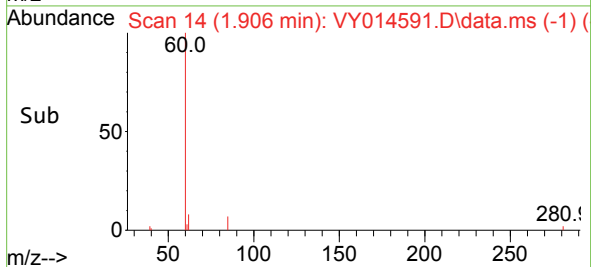
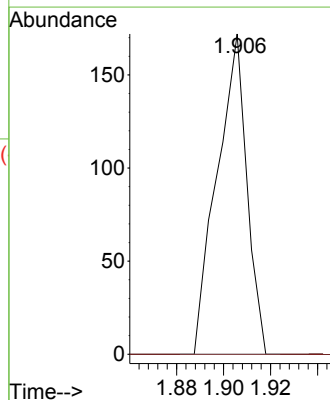
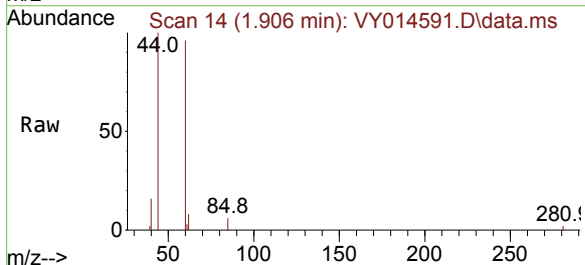
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-09-G

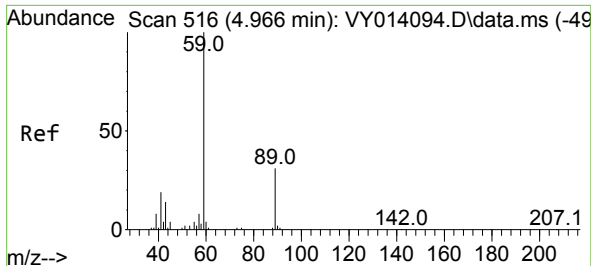
Tgt Ion:168 Resp: 216492
Ion Ratio Lower Upper
168 100
99 44.8 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

Tgt Ion: 85 Resp: 151
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

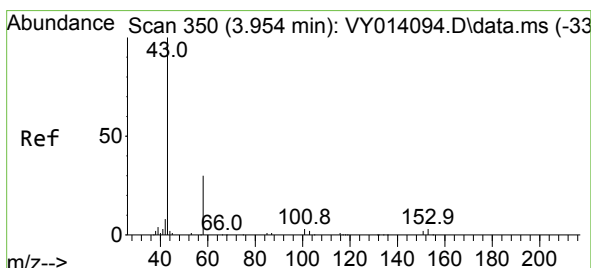
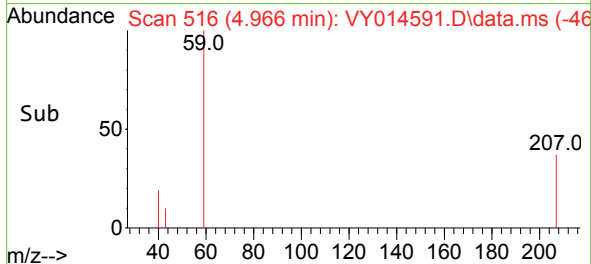
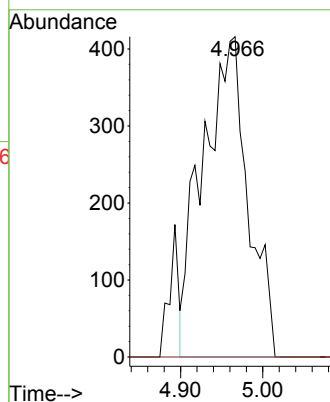
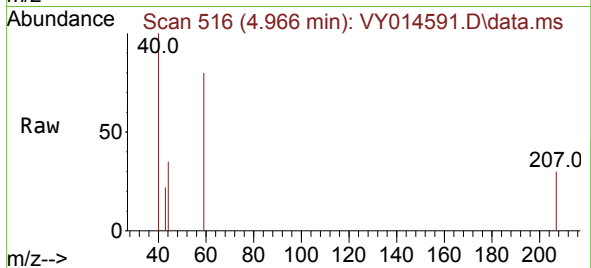




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

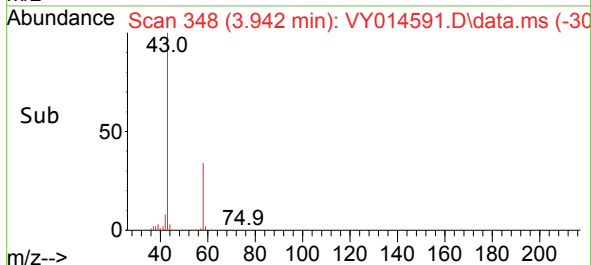
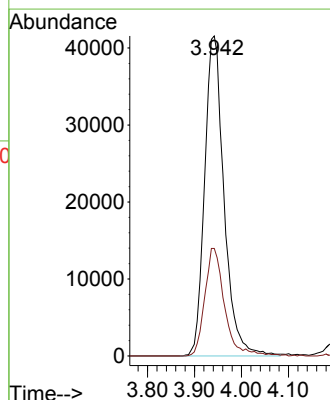
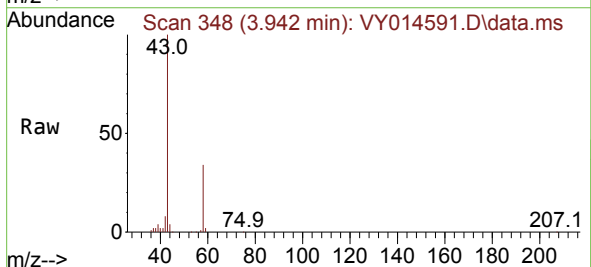
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-09-G

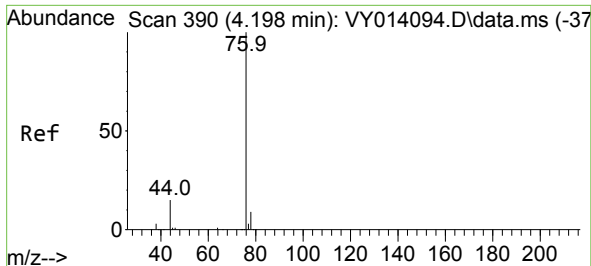
Tgt Ion: 59 Resp: 1595
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 177.684 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

Tgt Ion: 43 Resp: 119503
Ion Ratio Lower Upper
43 100
58 33.6 22.7 34.1

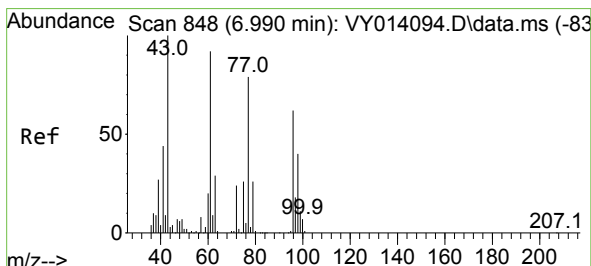
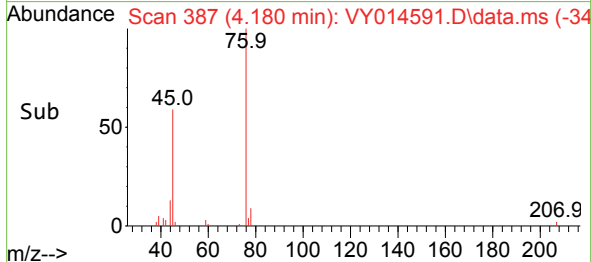
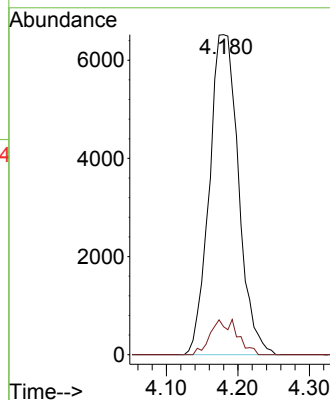
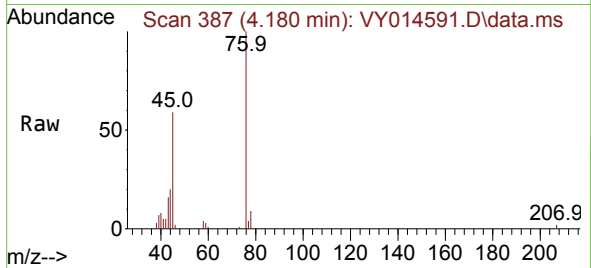




#17
Carbon Disulfide
Concen: 2.989 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

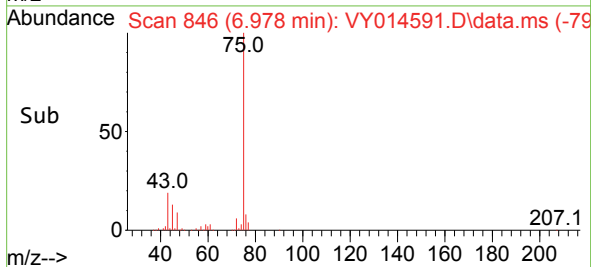
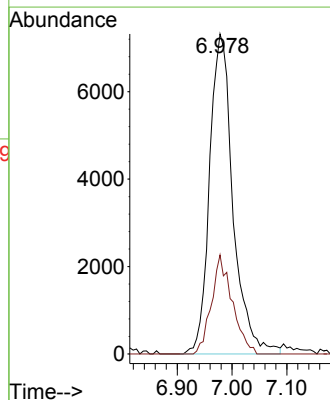
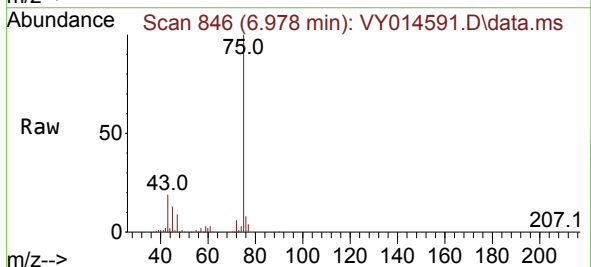
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-09-G

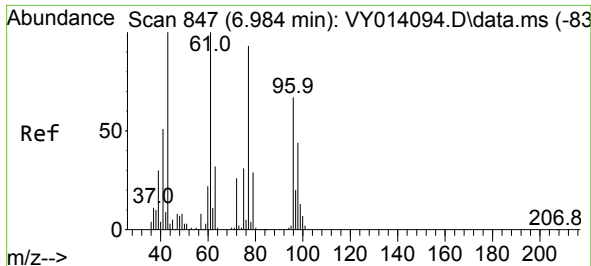
Tgt Ion: 76 Resp: 18495
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#25
2-Butanone
Concen: 21.785 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

Tgt Ion: 43 Resp: 21695
Ion Ratio Lower Upper
43 100
72 31.0 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.454 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY014591.D

Acq: 06 Jul 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

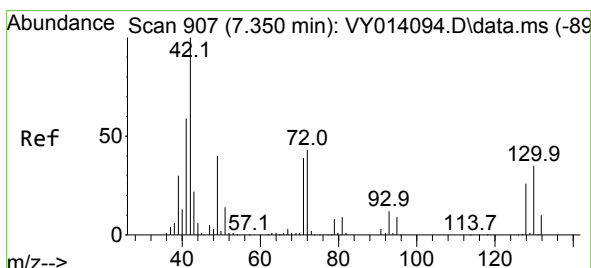
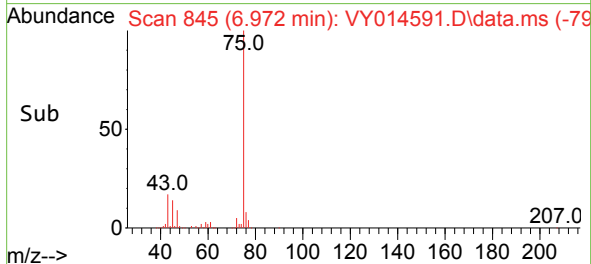
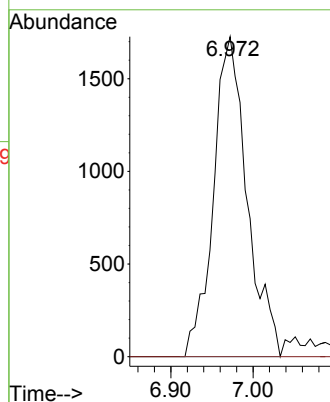
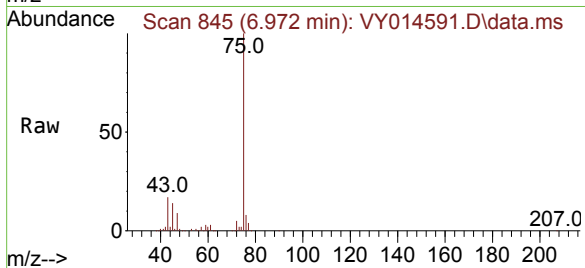
WC-WWS-09-G

Tgt Ion: 77 Resp: 4908

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 4.191 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY014591.D

Acq: 06 Jul 2023 16:19

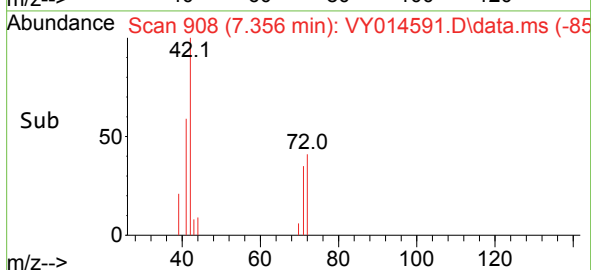
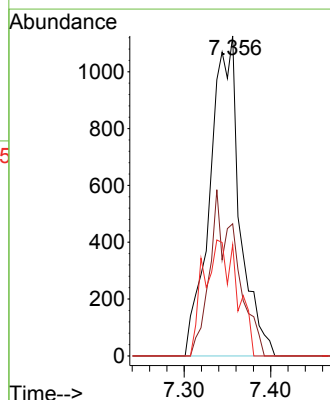
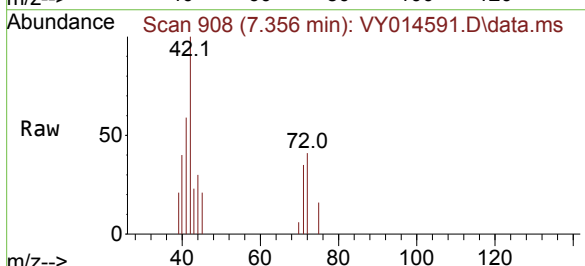
Tgt Ion: 42 Resp: 2692

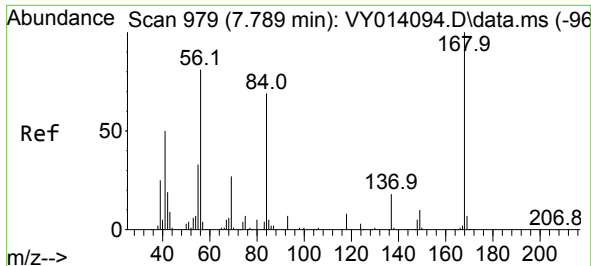
Ion Ratio Lower Upper

42 100

72 46.4 32.8 49.2

71 40.3 31.0 46.4

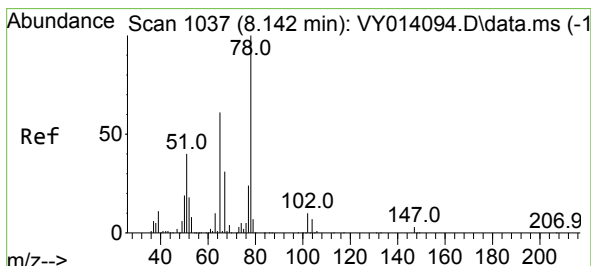
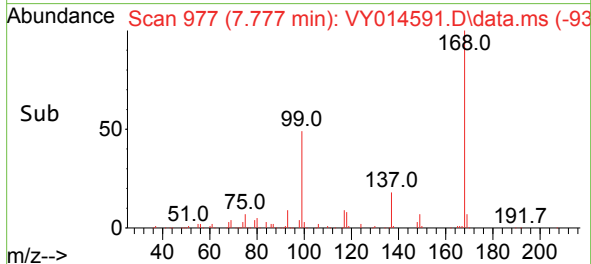
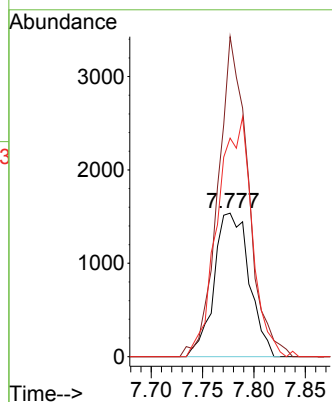
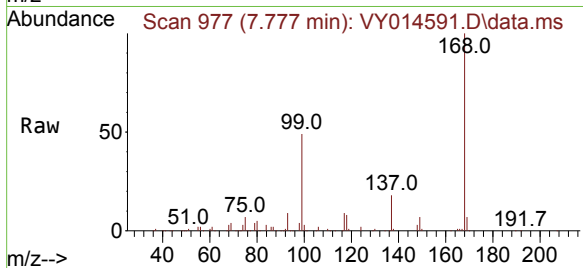




#31
Cyclohexane
Concen: 1.080 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

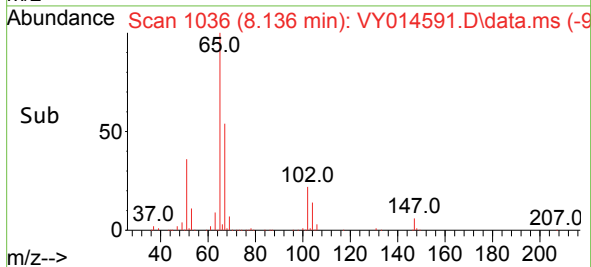
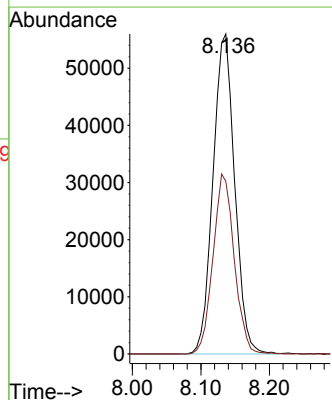
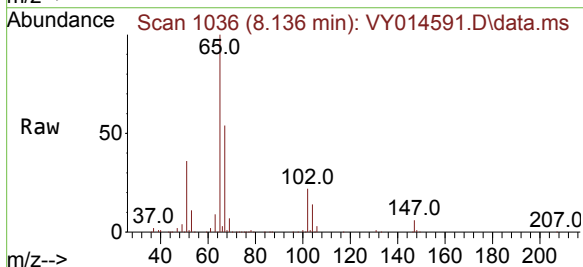
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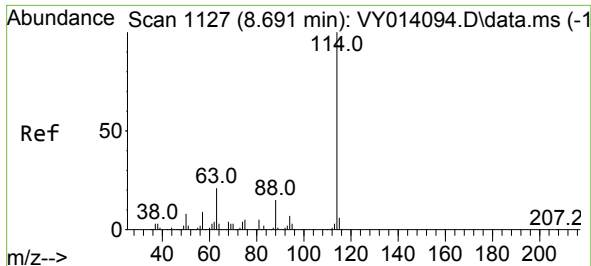
Tgt Ion: 56 Resp: 3648
Ion Ratio Lower Upper
56 100
69 223.0 27.8 41.6#
84 152.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 57.138 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

Tgt Ion: 65 Resp: 123055
Ion Ratio Lower Upper
65 100
67 55.0 0.0 101.8

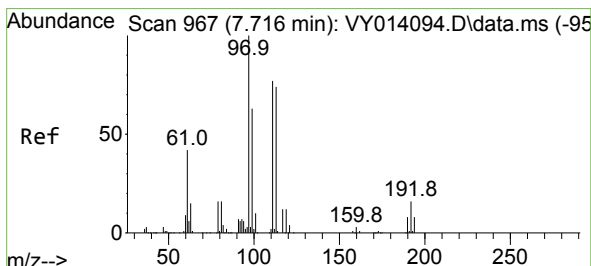
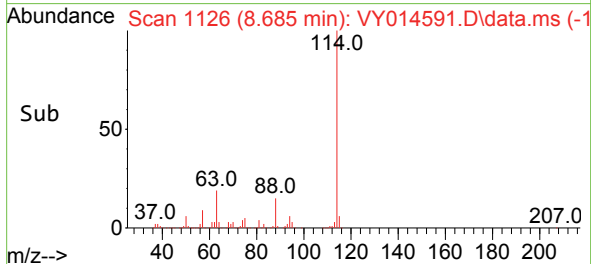
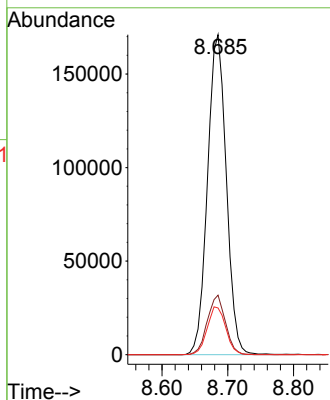
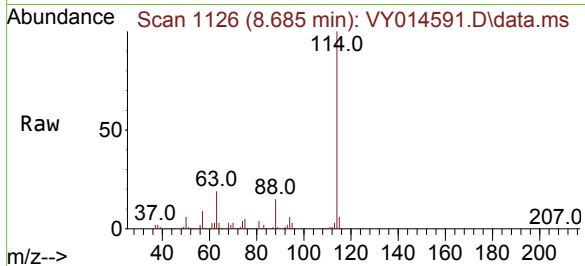




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

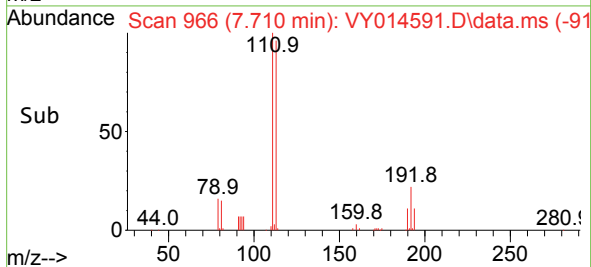
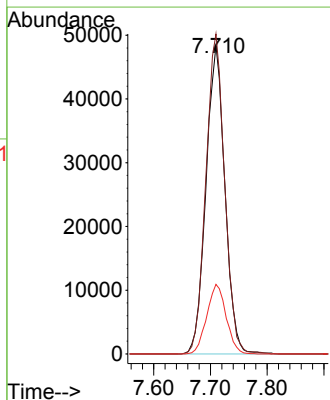
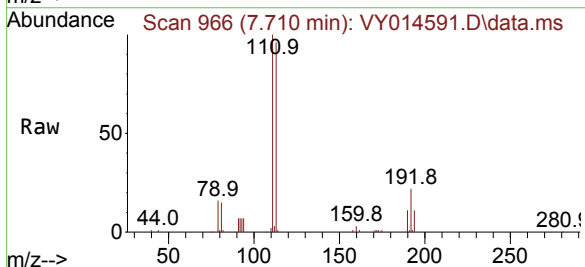
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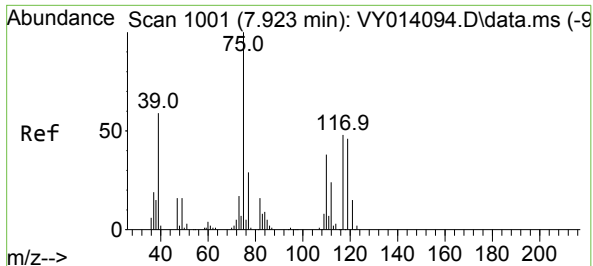
Tgt Ion:114 Resp: 339839
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.649 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

Tgt Ion:113 Resp: 112274
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 23.1 16.9 25.3

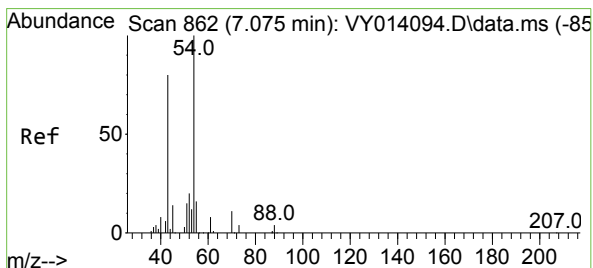
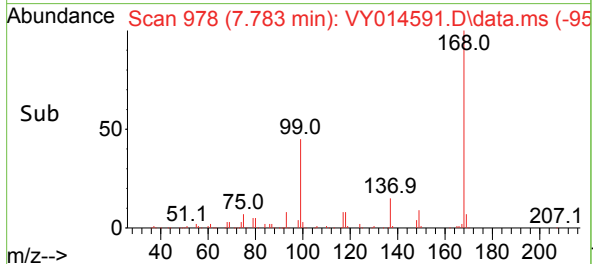
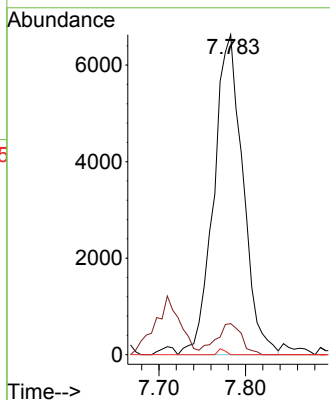
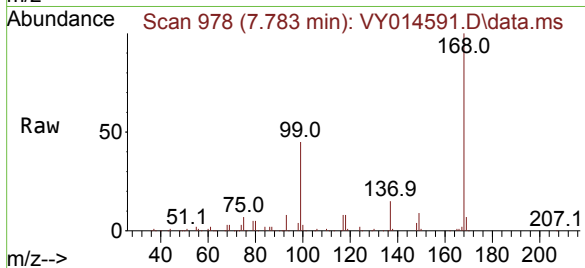




#36
1,1-Dichloropropene
Concen: 4.829 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

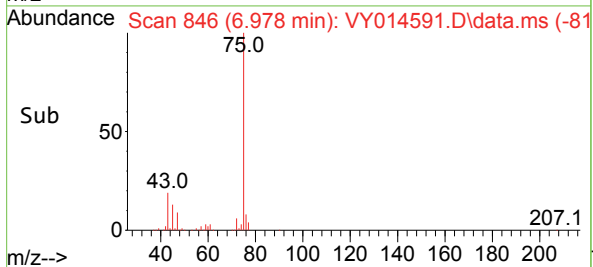
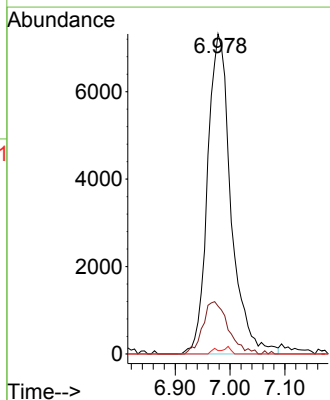
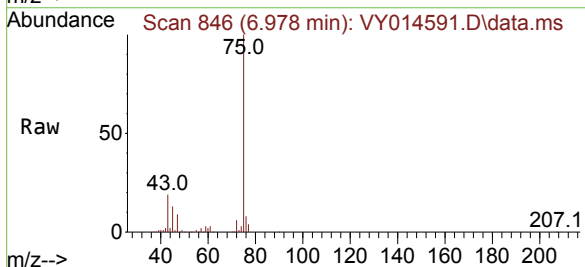
Instrument :
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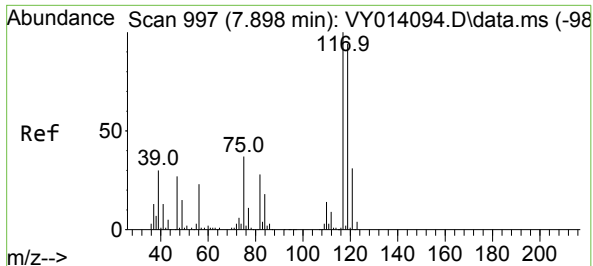
Tgt Ion: 75 Resp: 15476
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.5#
77 0.5 24.4 36.6#



#37
Ethyl Acetate
Concen: 9.871 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.097 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

Tgt Ion: 43 Resp: 21695
Ion Ratio Lower Upper
43 100
61 17.7 10.1 15.1#
70 0.5 7.1 10.7#

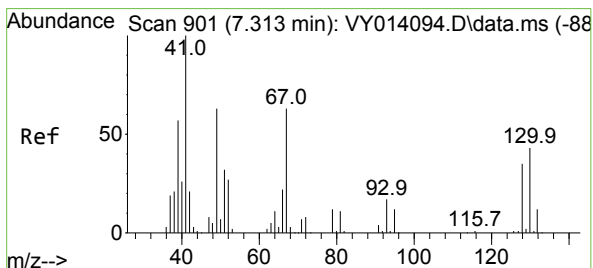
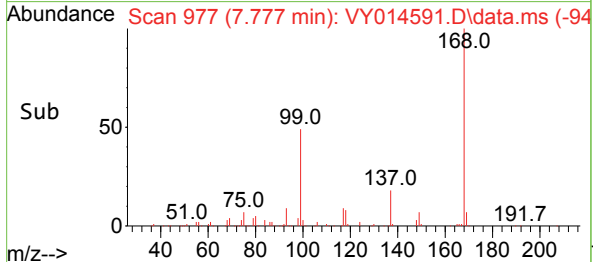
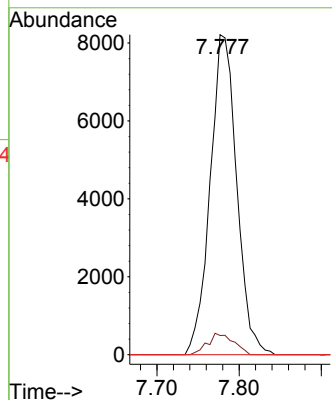
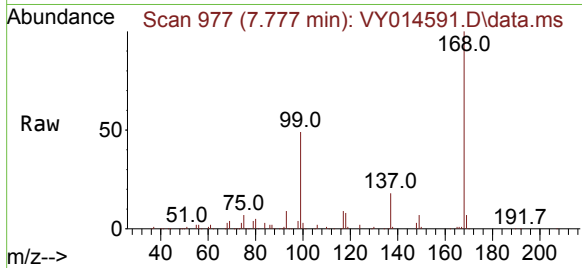




#38
Carbon Tetrachloride
Concen: 5.514 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.121 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

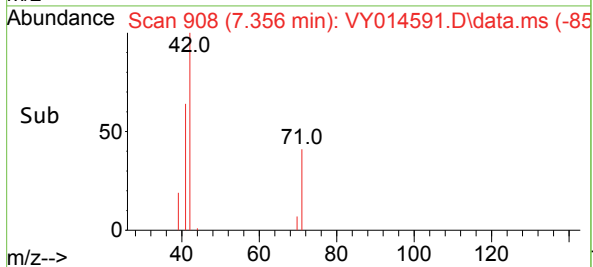
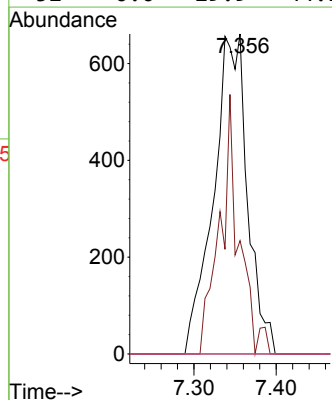
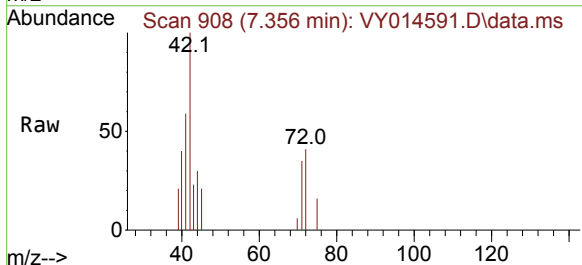
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-09-G

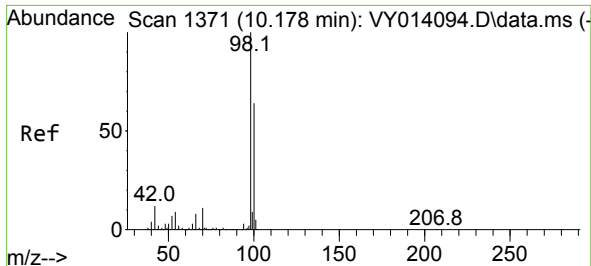
Tgt Ion:117 Resp: 18448
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.760 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.043 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

Tgt Ion: 41 Resp: 1890
Ion Ratio Lower Upper
41 100
39 45.9 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

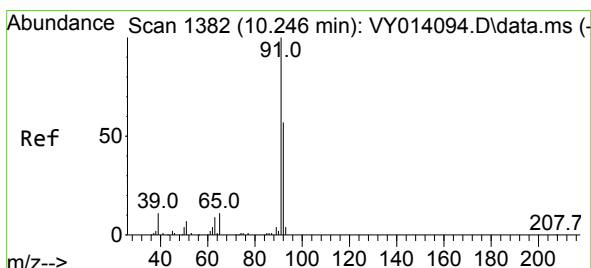
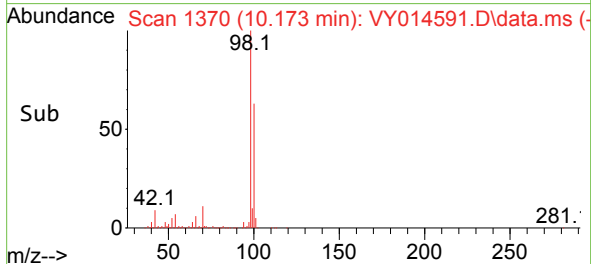
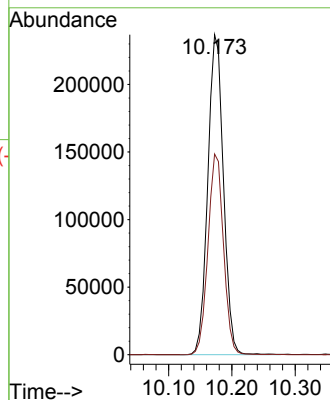
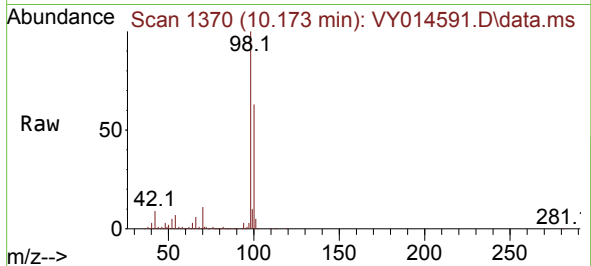




#50
Toluene-d8
Concen: 49.199 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.005 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

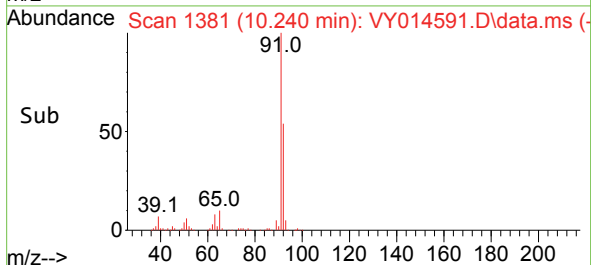
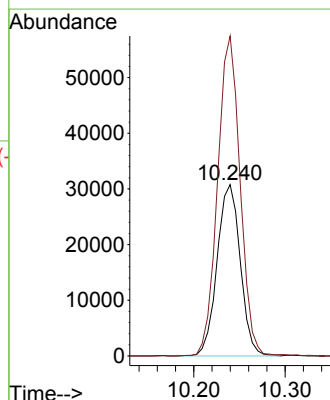
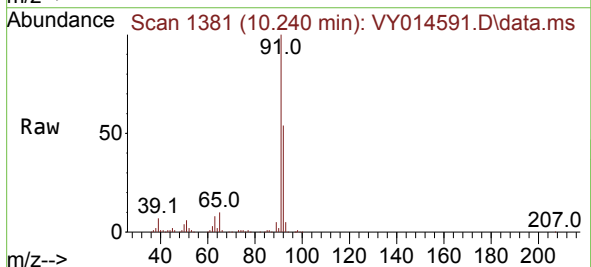
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-09-G

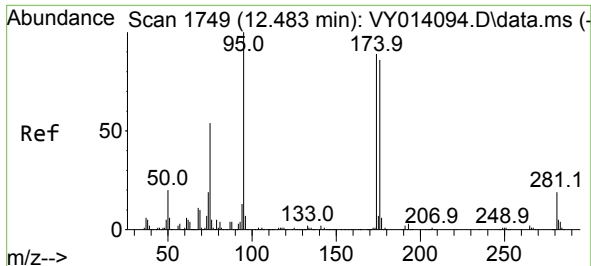
Tgt Ion: 98 Resp: 407018
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1



#52
Toluene
Concen: 8.878 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

Tgt Ion: 92 Resp: 54200
Ion Ratio Lower Upper
92 100
91 182.2 143.8 215.6

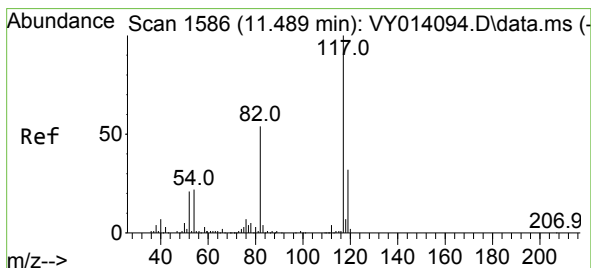
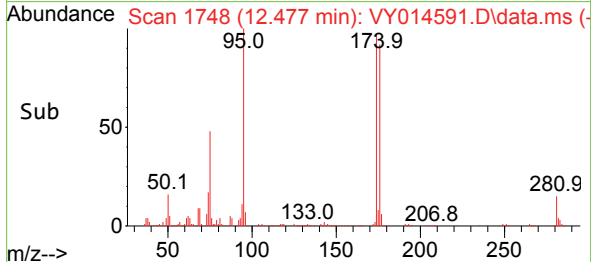
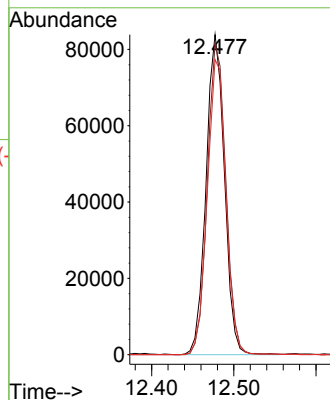
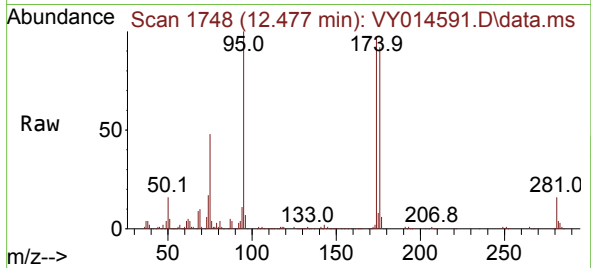




#62
4-Bromofluorobenzene
Concen: 45.392 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

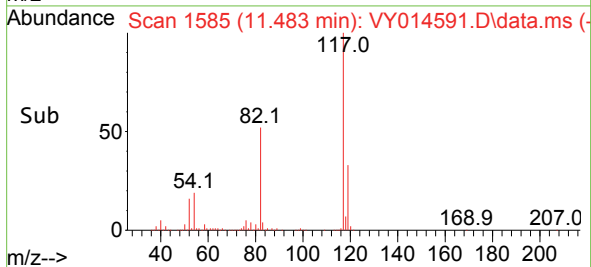
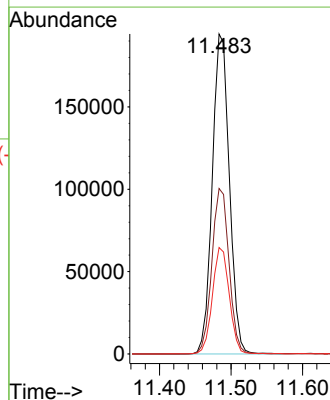
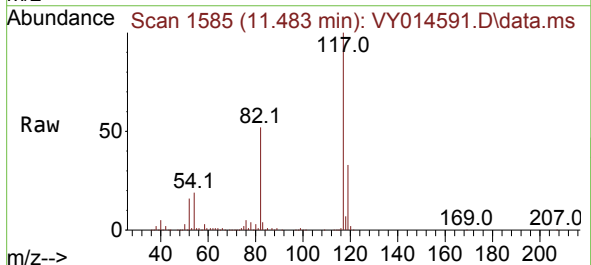
Instrument :
MSVOA_Y
ClientSampleId :
WC-WWS-09-G

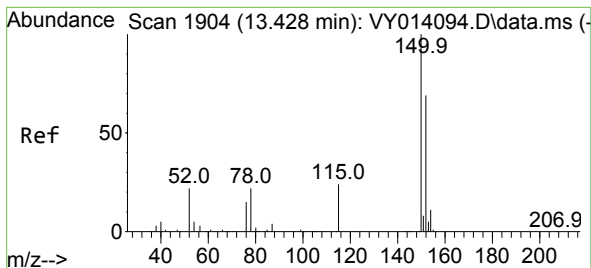
Tgt Ion: 95 Resp: 130398
Ion Ratio Lower Upper
95 100
174 97.9 0.0 178.2
176 93.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014591.D
Acq: 06 Jul 2023 16:19

Tgt Ion: 117 Resp: 322200
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 33.2 26.3 39.5

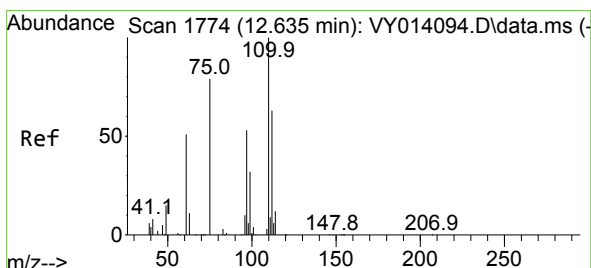
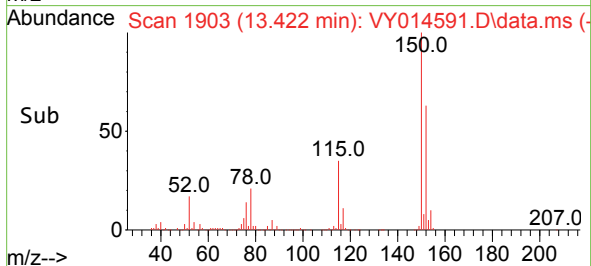
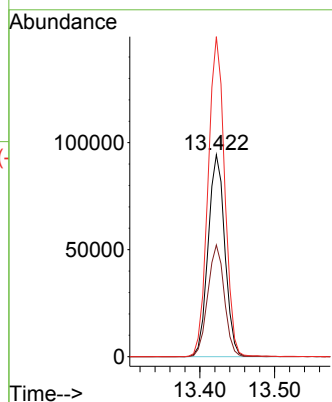
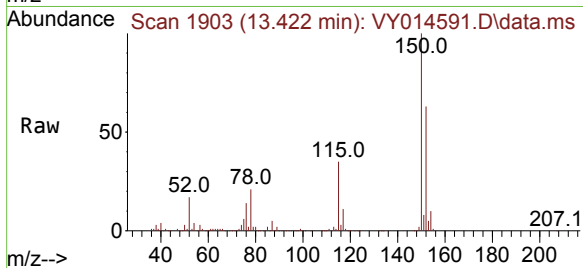




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY014591.D
 Acq: 06 Jul 2023 16:19

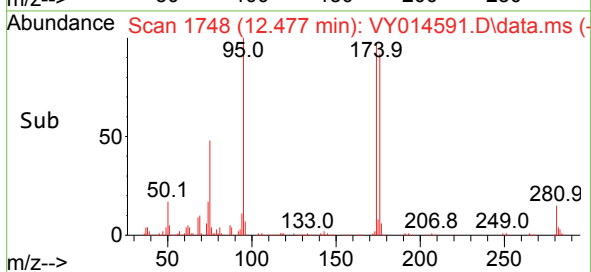
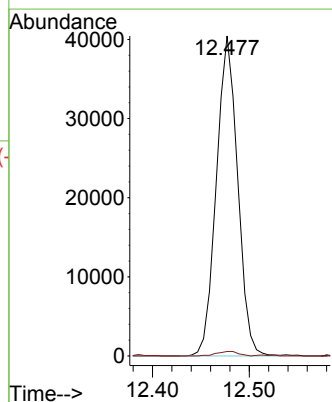
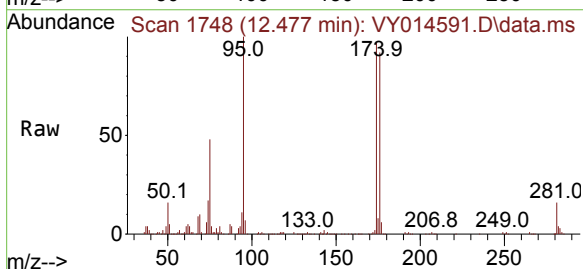
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-WWS-09-G

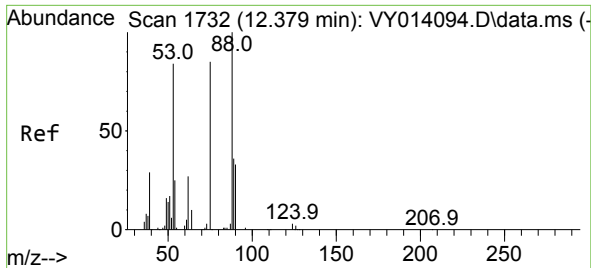
Tgt Ion:152 Resp: 146372
 Ion Ratio Lower Upper
 152 100
 115 54.9 28.8 86.5
 150 157.9 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 35.942 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY014591.D
 Acq: 06 Jul 2023 16:19

Tgt Ion: 75 Resp: 61735
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.958 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014591.D
 Acq: 06 Jul 2023 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-WWS-09-G

Tgt Ion: 75 Resp: 61735
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.1 37.4 56.0#

