

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070522\
 Data File : VY009438.D
 Acq On : 05 Jul 2022 15:31
 Operator : KP/MD
 Sample : N3564-19
 Misc : 3.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-16-2-6-GR

Quant Time: Jul 06 04:50:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

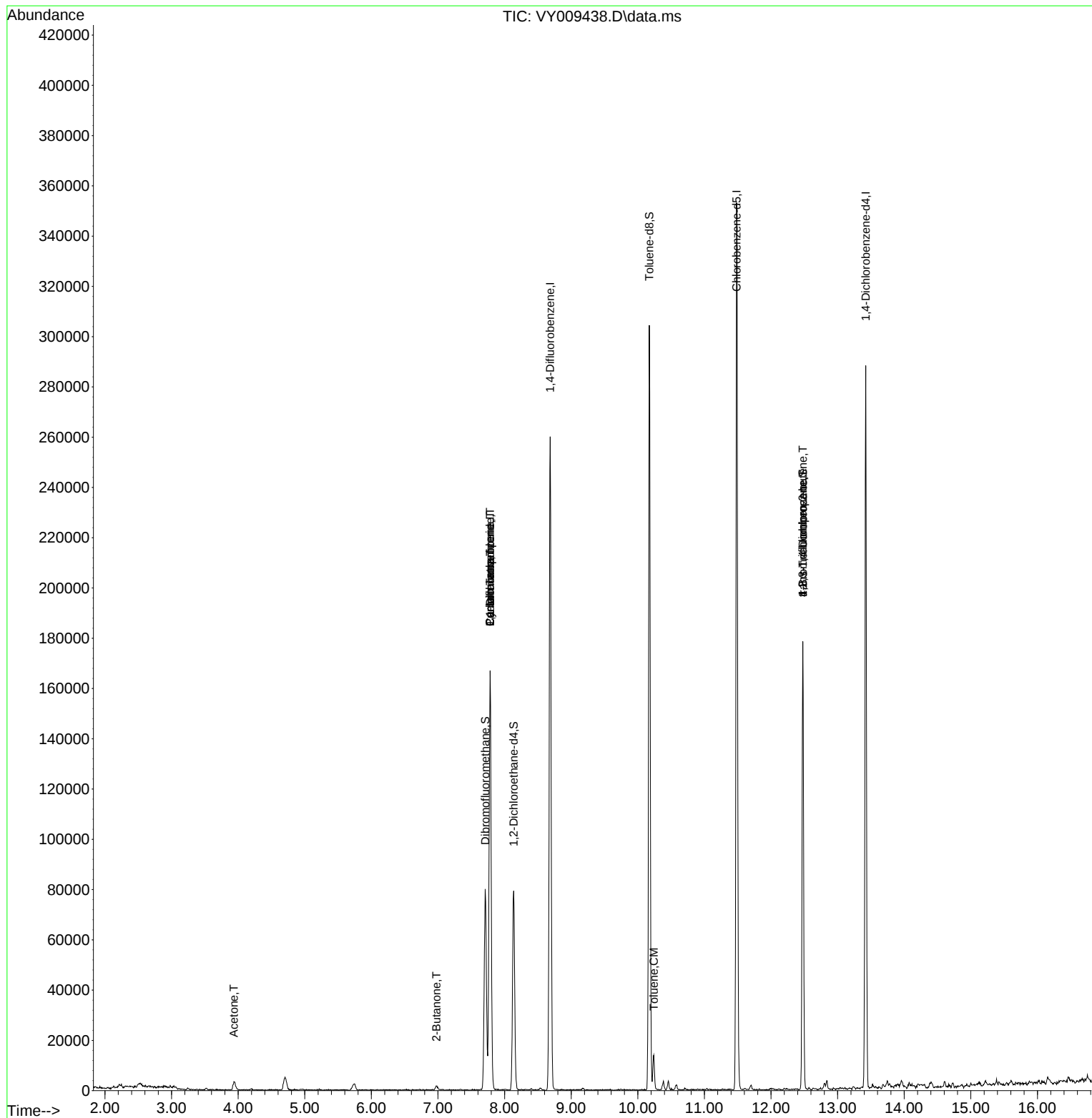
Internal Standards						
1) Pentafluorobenzene	7.783	168	126898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	217308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	189497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	68518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	60827	59.845	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.700%
35) Dibromofluoromethane	7.710	113	53171	44.457	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.920%
50) Toluene-d8	10.173	98	190815	52.036	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	104.080%
62) 4-Bromofluorobenzene	12.477	95	51228	29.456	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	58.920%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	213	Below Cal	#	77
16) Acetone	3.936	43	5376	16.105	ug/l #	74
18) Methyl Acetate	4.485	43	71	Below Cal	#	1
20) Methylene Chloride	4.704	84	3801	Below Cal		94
25) 2-Butanone	6.978	43	1859	3.513	ug/l #	74
31) Cyclohexane	7.783	56	2923	1.279	ug/l #	41
36) 1,1-Dichloropropene	7.783	75	9353	4.473	ug/l #	51
38) Carbon Tetrachloride	7.783	117	12868	5.887	ug/l #	16
52) Toluene	10.240	92	5327	1.381	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	27396	34.142	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	27396	76.018	ug/l #	7

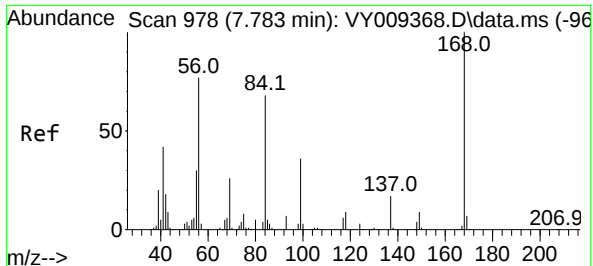
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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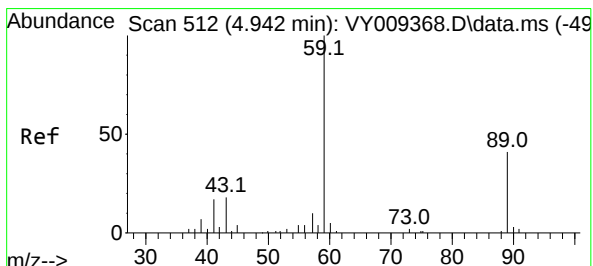
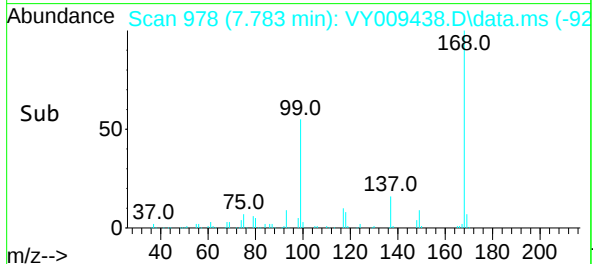
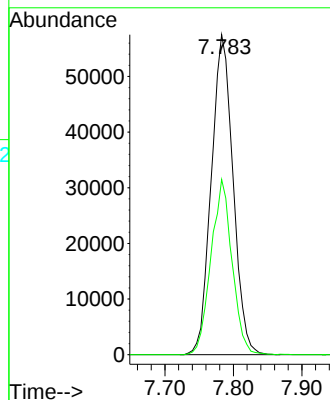
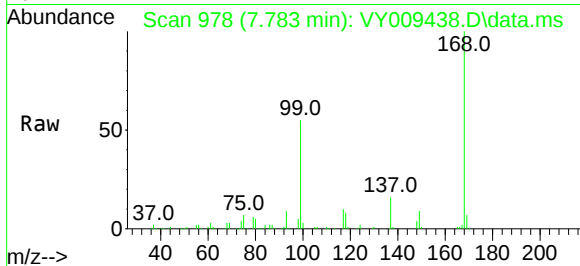




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009438.D
Acq: 05 Jul 2022 15:31

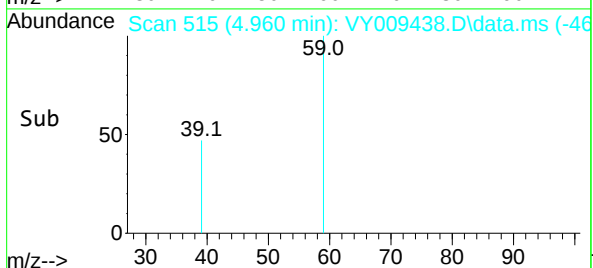
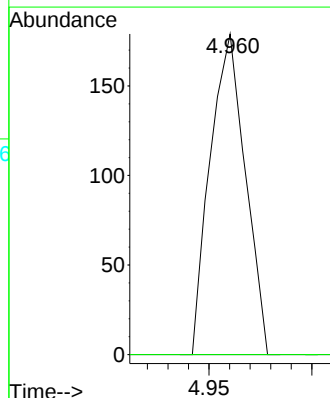
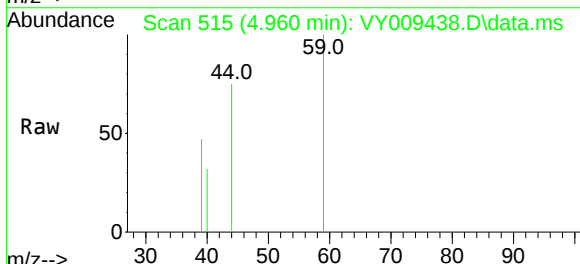
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-6-GR

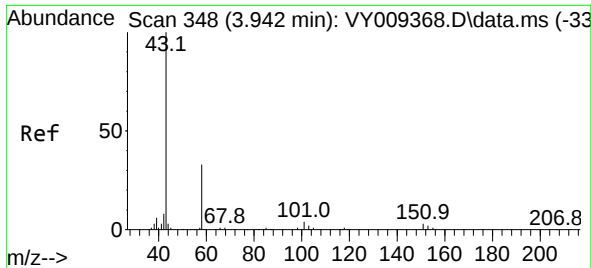
Tgt Ion:168 Resp: 126898
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.018 min
Lab File: VY009438.D
Acq: 05 Jul 2022 15:31

Tgt Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

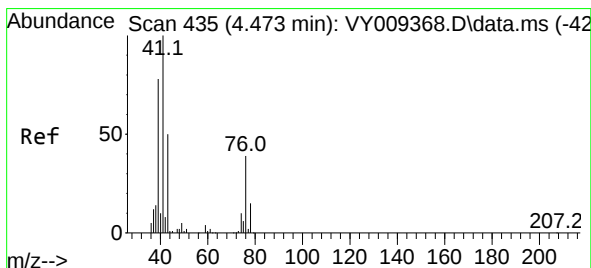
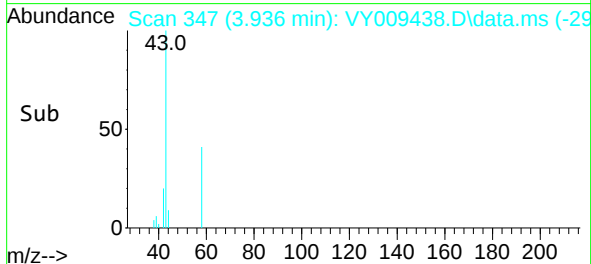
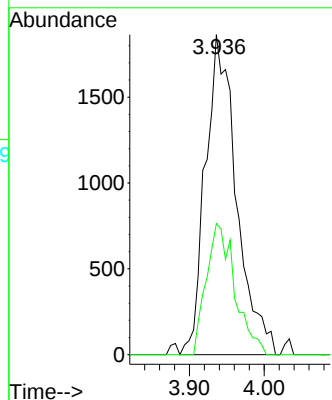
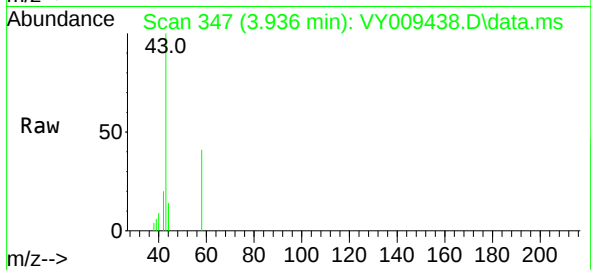




#16
Acetone
Concen: 16.105 ug/l
RT: 3.936 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY009438.D
Acq: 05 Jul 2022 15:31

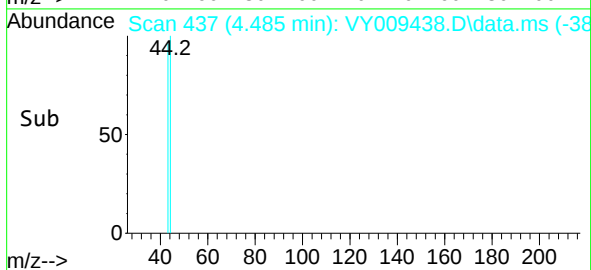
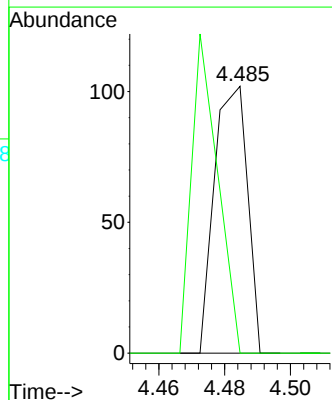
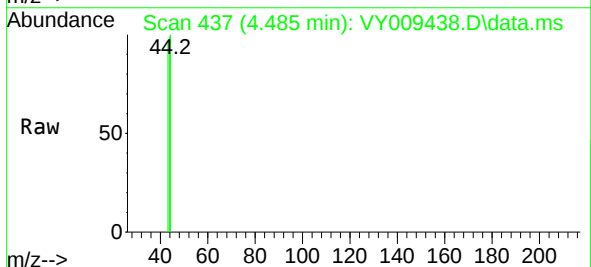
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-6-GR

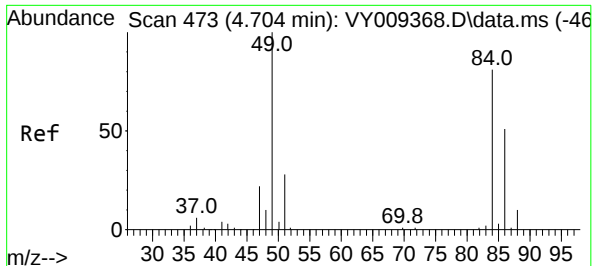
Tgt Ion: 43 Resp: 5376
Ion Ratio Lower Upper
43 100
58 40.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY009438.D
Acq: 05 Jul 2022 15:31

Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
74 94.4 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY009438.D

Acq: 05 Jul 2022 15:31

Instrument :

MSVOA_Y

ClientSampleId :

WC-16-2-6-GR

Tgt Ion: 84 Resp: 3801

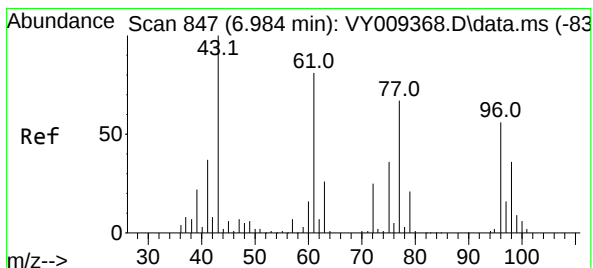
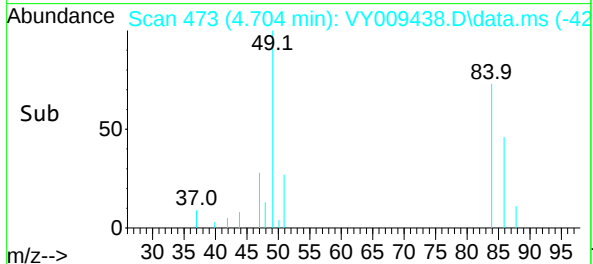
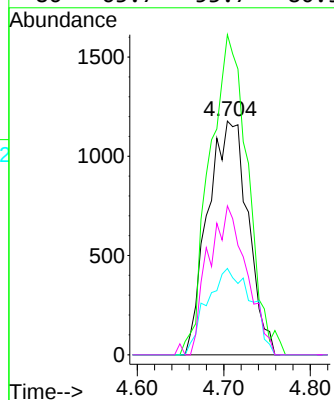
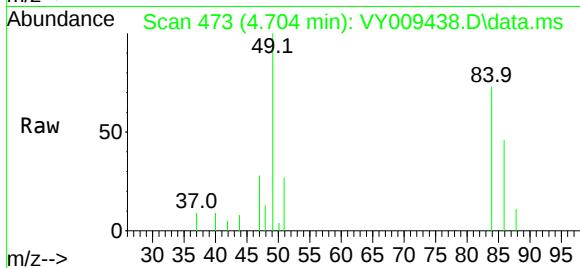
Ion Ratio Lower Upper

84 100

49 136.9 114.4 171.6

51 36.9 35.3 52.9

86 63.7 53.7 80.5



#25

2-Butanone

Concen: 3.513 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY009438.D

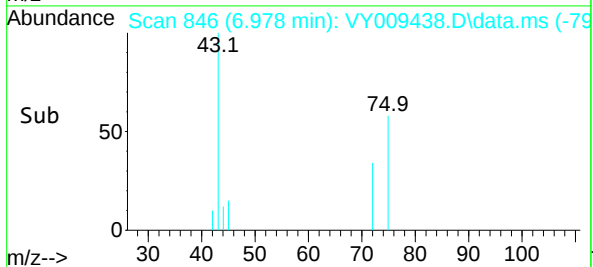
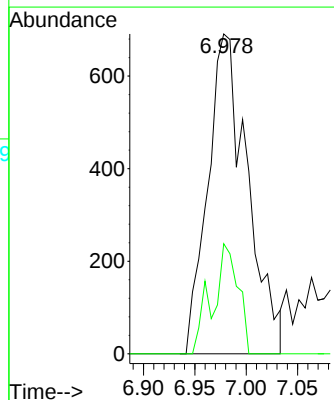
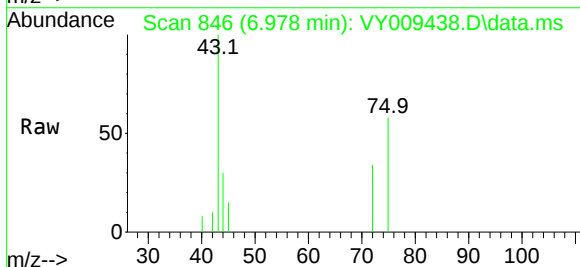
Acq: 05 Jul 2022 15:31

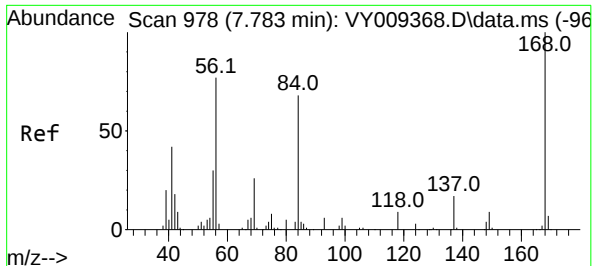
Tgt Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

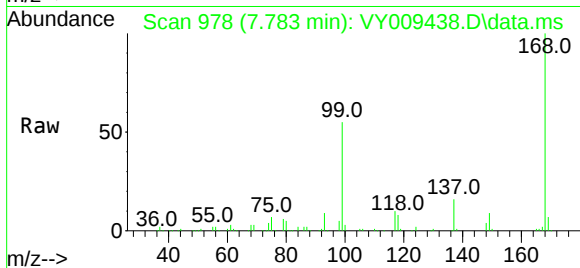
72 34.4 17.7 26.5#



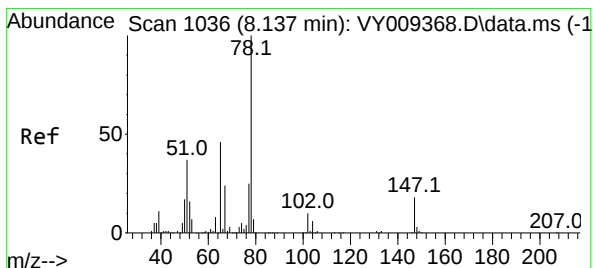
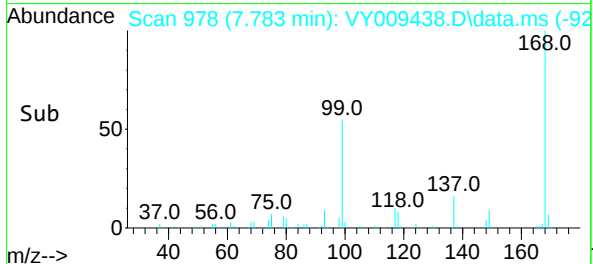
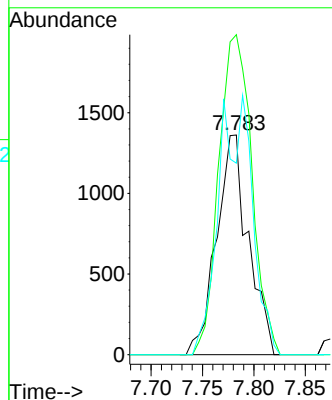


#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009438.D
Acq: 05 Jul 2022 15:31

Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-6-GR

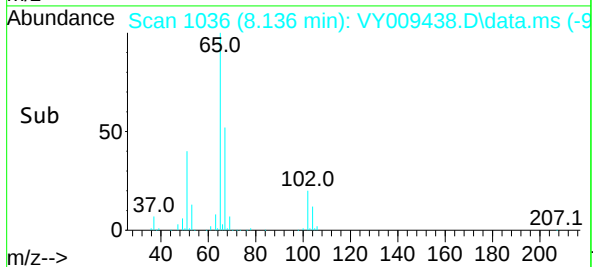
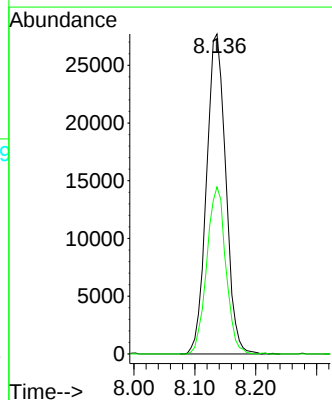
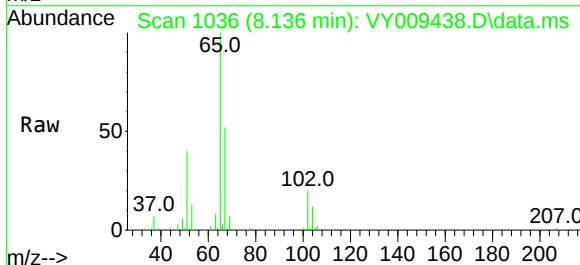


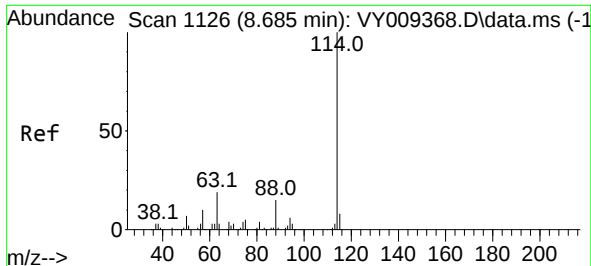
Tgt Ion: 56 Resp: 2923
Ion Ratio Lower Upper
56 100
69 145.7 26.7 40.1#
84 87.2 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 59.845 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009438.D
Acq: 05 Jul 2022 15:31

Tgt Ion: 65 Resp: 60827
Ion Ratio Lower Upper
65 100
67 51.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009438.D

Acq: 05 Jul 2022 15:31

Instrument :

MSVOA_Y

ClientSampleId :

WC-16-2-6-GR

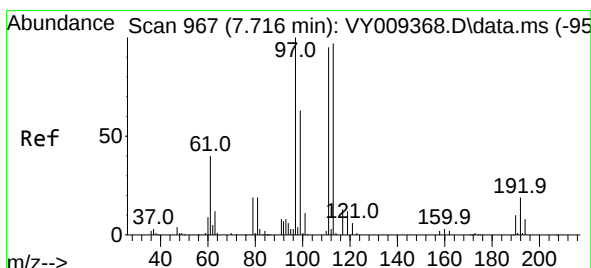
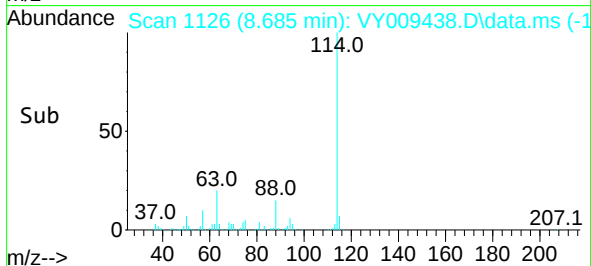
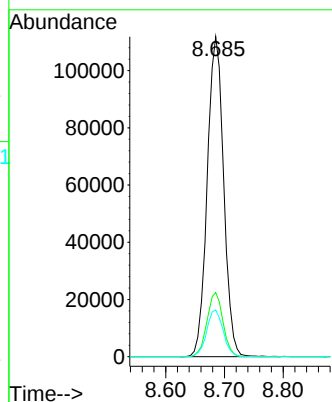
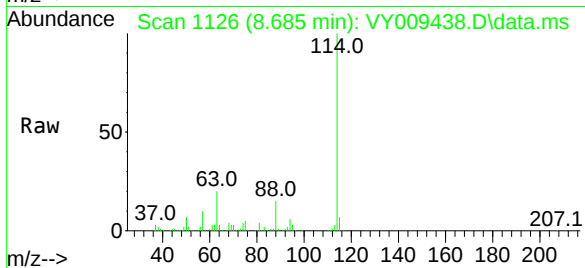
Tgt Ion:114 Resp: 217308

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.457 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009438.D

Acq: 05 Jul 2022 15:31

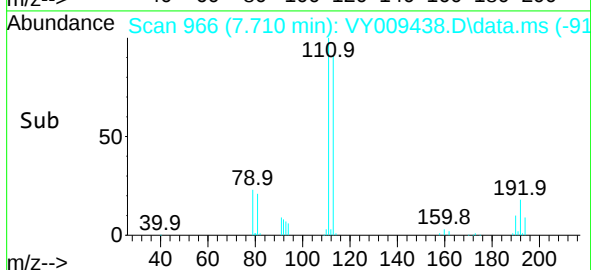
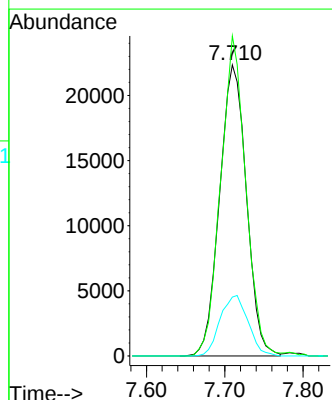
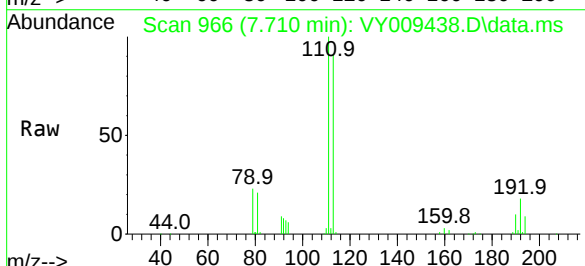
Tgt Ion:113 Resp: 53171

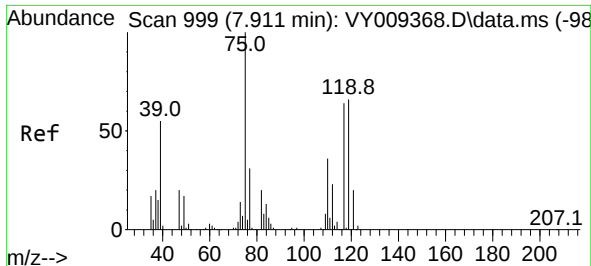
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 21.7 17.6 26.4

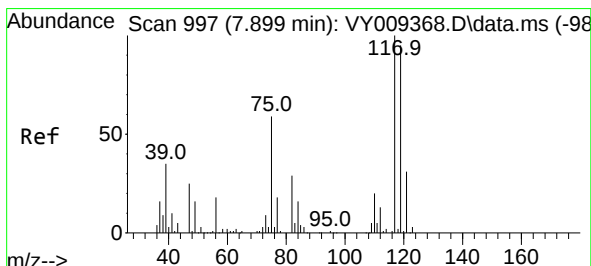
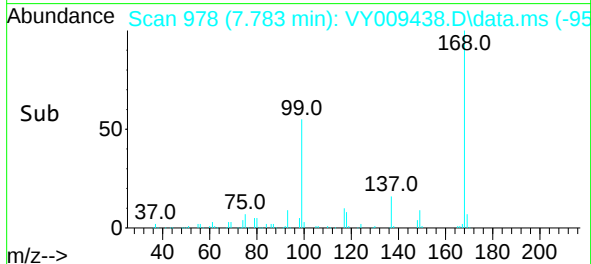
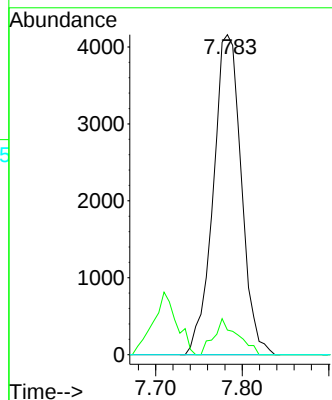
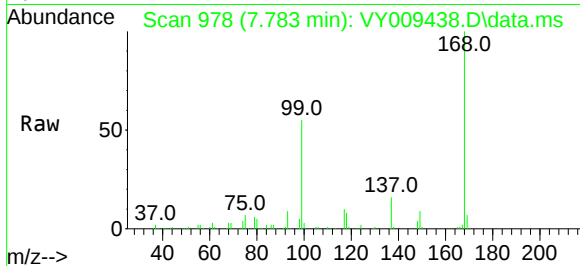




#36
 1,1-Dichloropropene
 Concen: 4.473 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY009438.D
 Acq: 05 Jul 2022 15:31

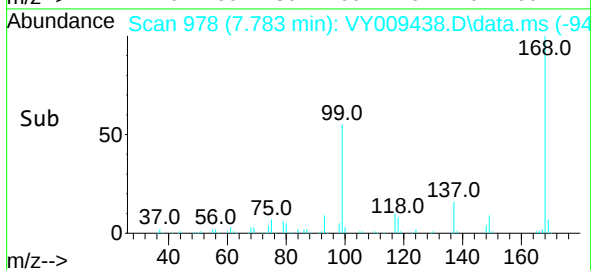
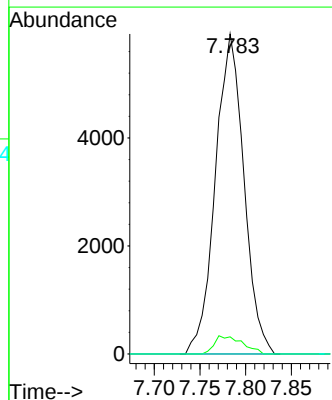
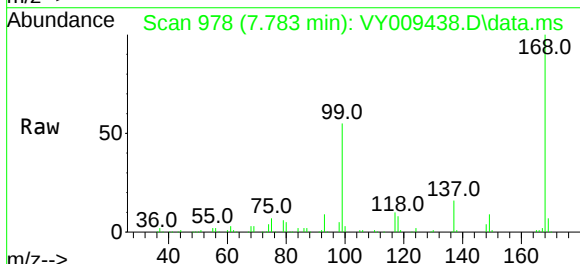
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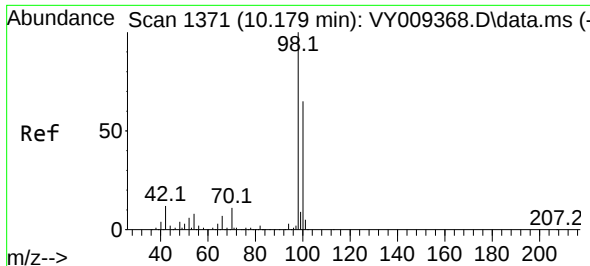
Tgt Ion: 75 Resp: 9353
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.887 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.110 min
 Lab File: VY009438.D
 Acq: 05 Jul 2022 15:31

Tgt Ion: 117 Resp: 12868
 Ion Ratio Lower Upper
 117 100
 119 5.4 77.9 116.9#
 121 0.0 24.8 37.2#

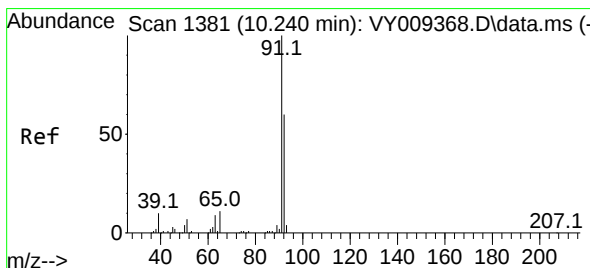
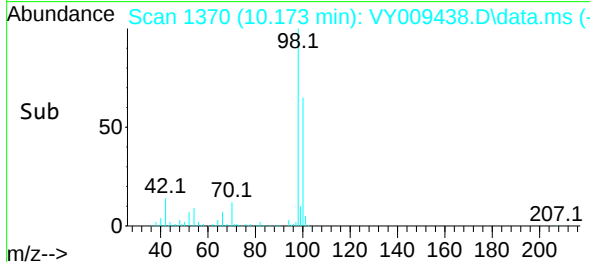
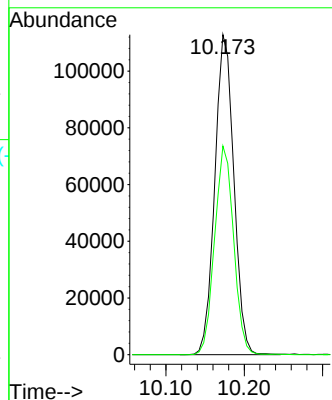
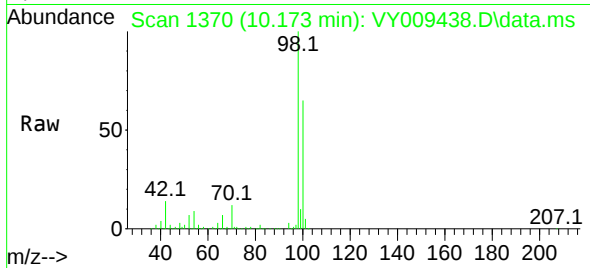




#50
Toluene-d8
Concen: 52.036 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009438.D
Acq: 05 Jul 2022 15:31

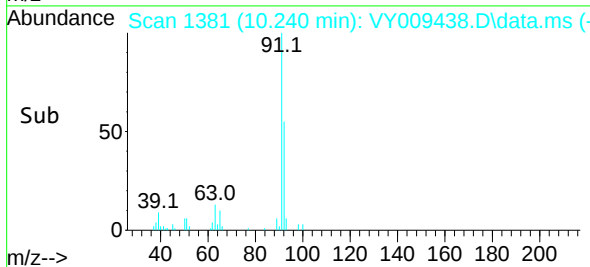
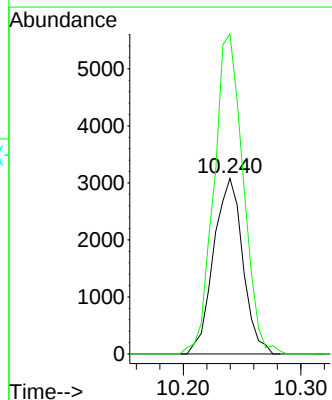
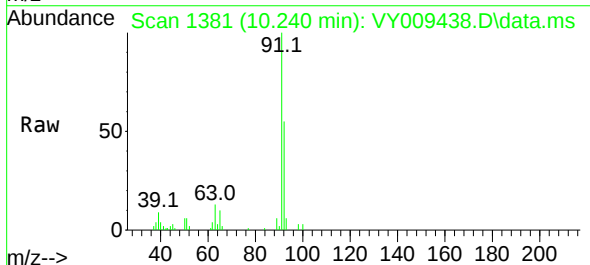
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-6-GR

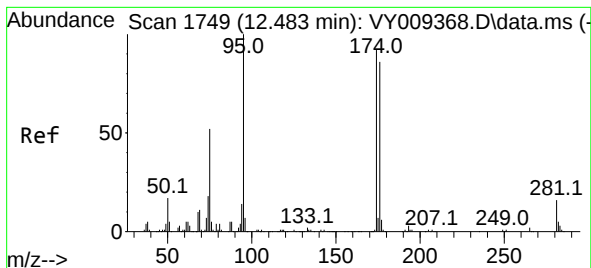
Tgt Ion: 98 Resp: 190815
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#52
Toluene
Concen: 1.381 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY009438.D
Acq: 05 Jul 2022 15:31

Tgt Ion: 92 Resp: 5327
Ion Ratio Lower Upper
92 100
91 182.1 142.6 213.8

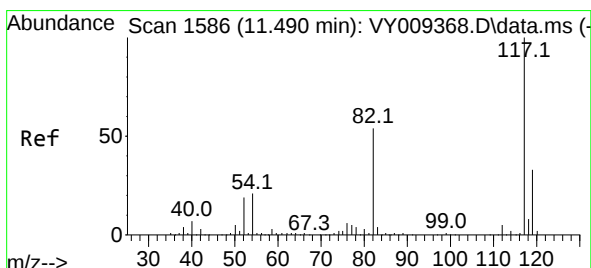
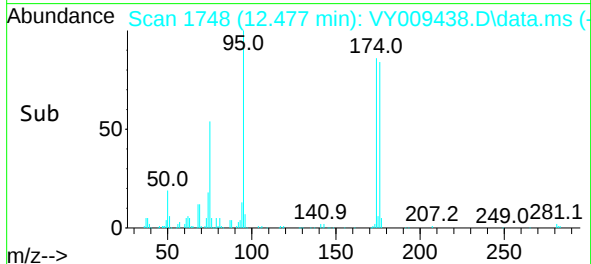
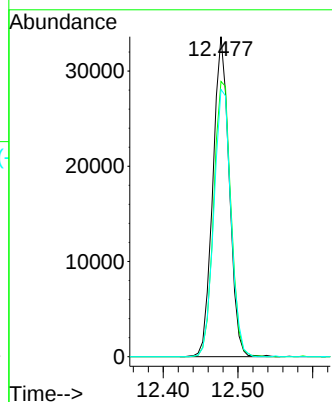
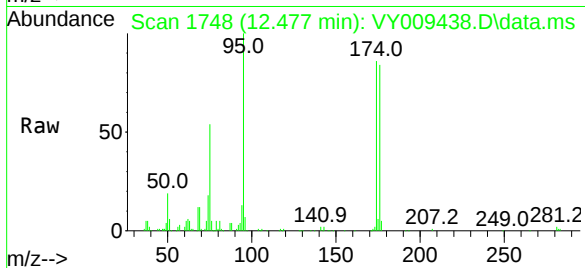




#62
4-Bromofluorobenzene
Concen: 29.456 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY009438.D
Acq: 05 Jul 2022 15:31

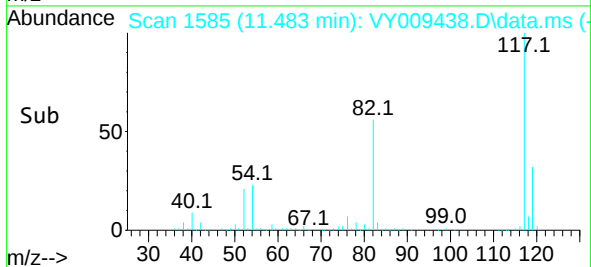
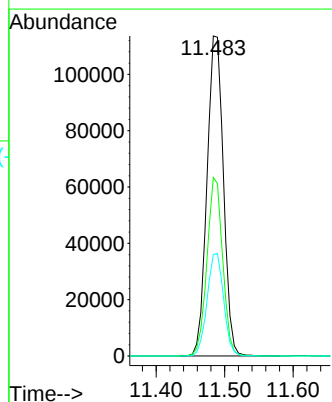
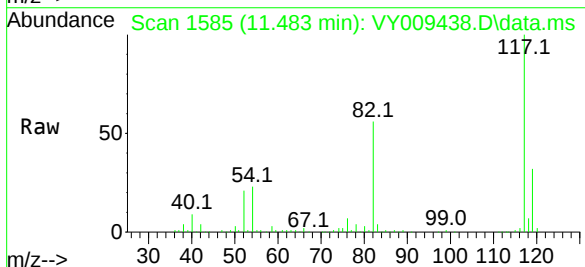
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-6-GR

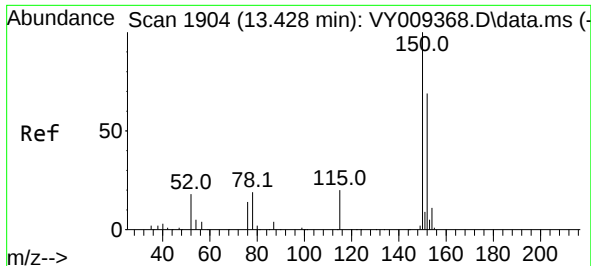
Tgt Ion: 95 Resp: 51228
Ion Ratio Lower Upper
95 100
174 90.3 0.0 177.0
176 87.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.007 min
Lab File: VY009438.D
Acq: 05 Jul 2022 15:31

Tgt Ion: 117 Resp: 189497
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.4
119 31.7 25.4 38.0

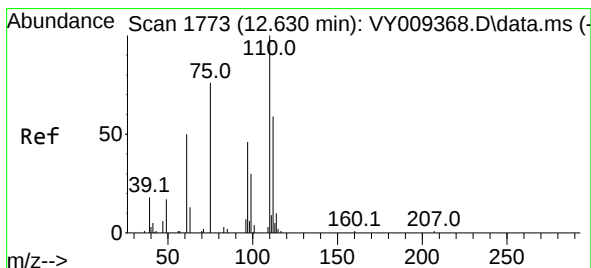
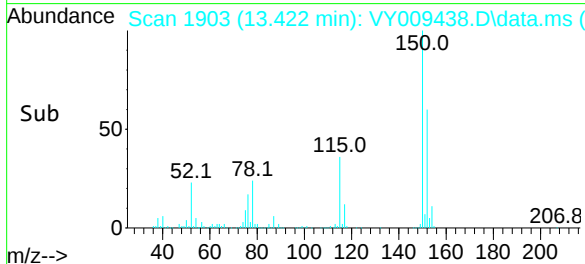
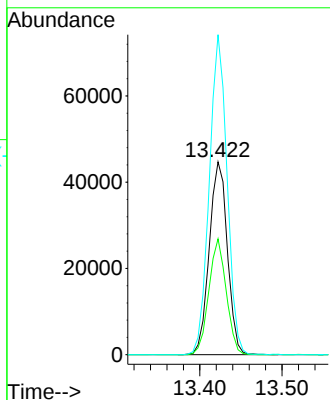
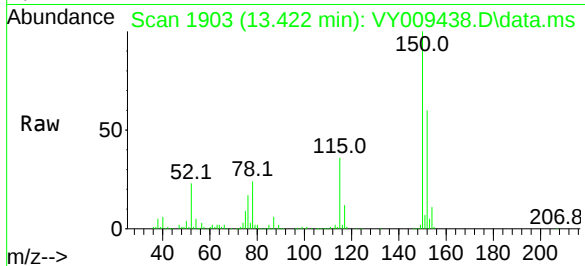




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY009438.D
 Acq: 05 Jul 2022 15:31

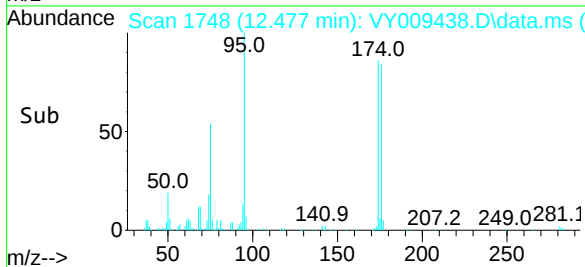
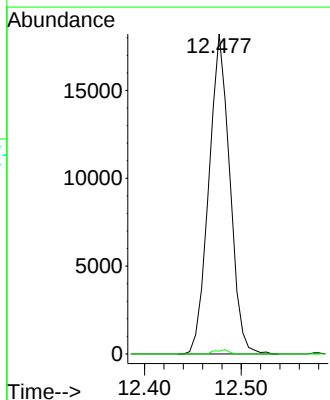
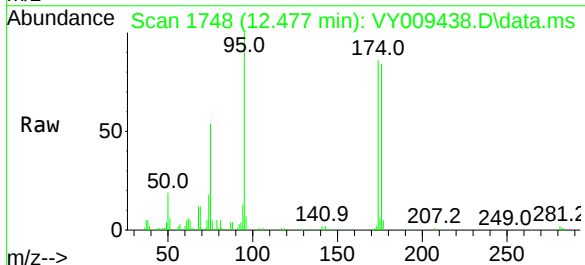
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-16-2-6-GR

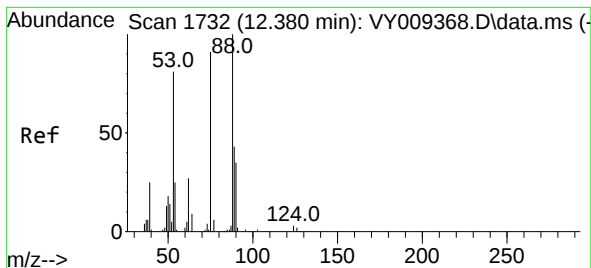
Tgt Ion:152 Resp: 68518
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.2 84.7
 150 162.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 34.142 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY009438.D
 Acq: 05 Jul 2022 15:31

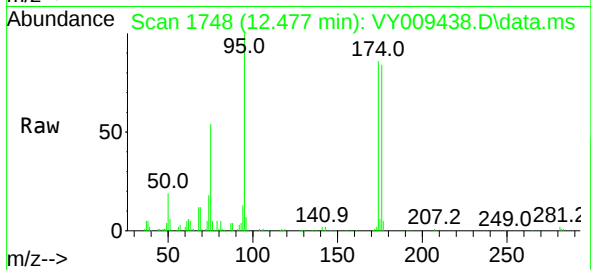
Tgt Ion: 75 Resp: 27396
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.018 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009438.D
 Acq: 05 Jul 2022 15:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-16-2-6-GR



Tgt Ion: 75 Resp: 27396
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

