

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091622\
 Data File : VY010537.D
 Acq On : 16 Sep 2022 16:04
 Operator : KP/MD
 Sample : N4630-14
 Misc : 3.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
ClientSampleId :
 WC-17-4-3-GR

Quant Time: Sep 17 00:29:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

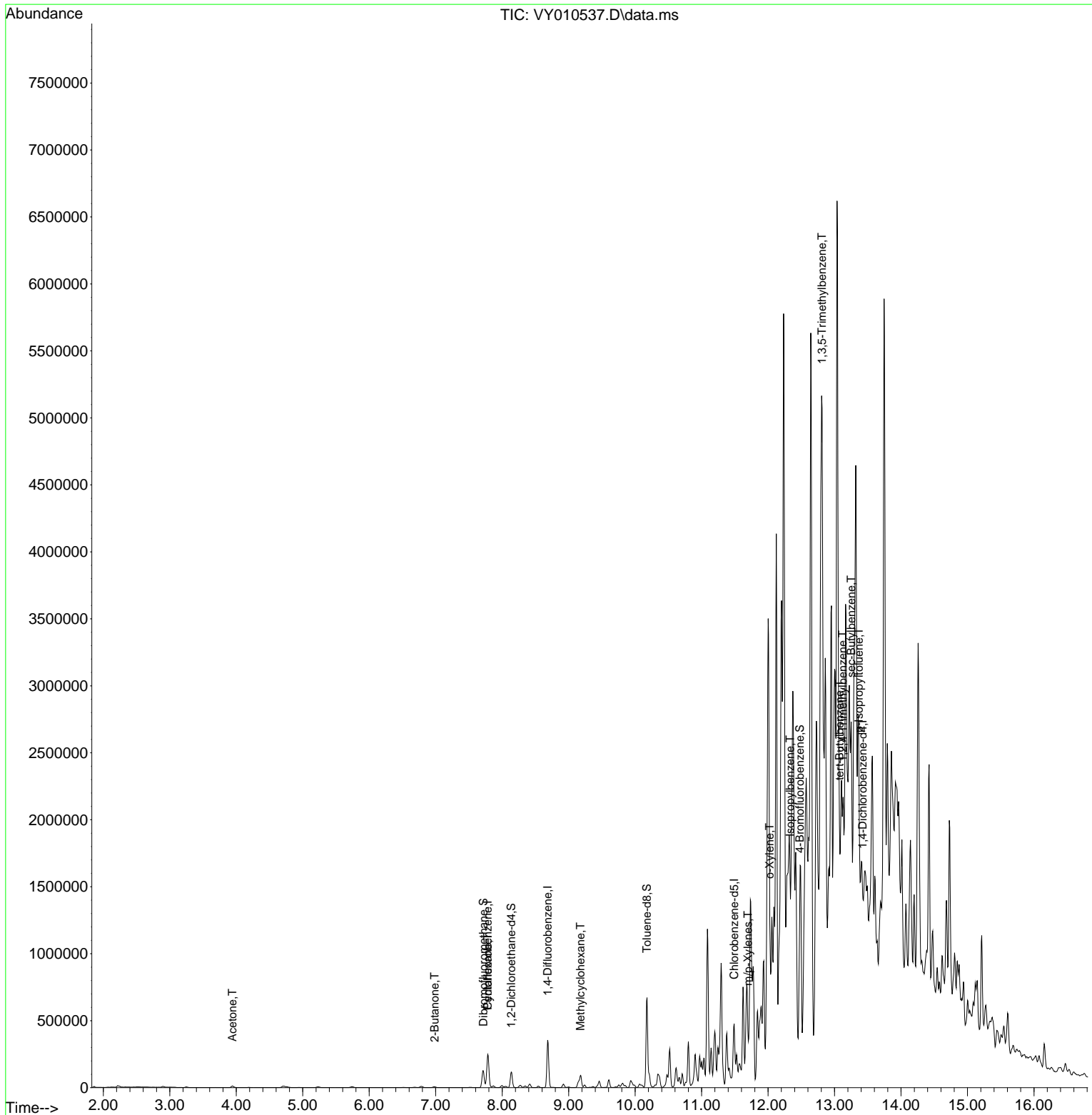
Internal Standards						
1) Pentafluorobenzene	7.783	168	186060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	305441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	215862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	87011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	90948	48.533	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	97.060%	
35) Dibromofluoromethane	7.716	113	91722	42.283	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	84.560%	
50) Toluene-d8	10.179	98	353166	50.234	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	100.460%	
62) 4-Bromofluorobenzene	12.477	95	173906	64.147	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	128.300%	
Target Compounds						
						Qvalue
16) Acetone	3.942	43	20296	47.195	ug/l	96
25) 2-Butanone	6.984	43	5695	8.333	ug/l #	82
31) Cyclohexane	7.783	56	11493	3.630	ug/l #	57
39) Methylcyclohexane	9.179	83	38700	10.451	ug/l	93
68) m/p-Xylenes	11.697	106	14665	4.372	ug/l #	67
69) o-Xylene	12.026	106	8227	2.569	ug/l #	1
73) Isopropylbenzene	12.331	105	15433	2.273	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	7401	1.292	ug/l	98
83) tert-Butylbenzene	13.075	119	27669	5.526	ug/l #	51
84) 1,2,4-Trimethylbenzene	13.123	105	20940	3.736	ug/l	100
85) sec-Butylbenzene	13.251	105	57955	7.817	ug/l #	69
86) p-Isopropyltoluene	13.367	119	9239	1.473	ug/l #	75

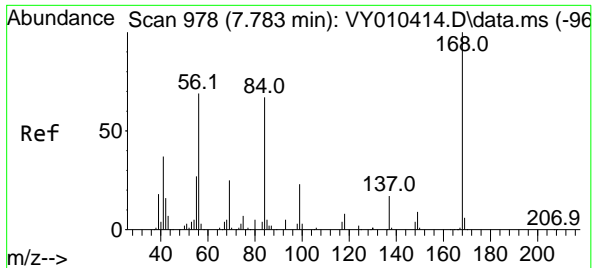
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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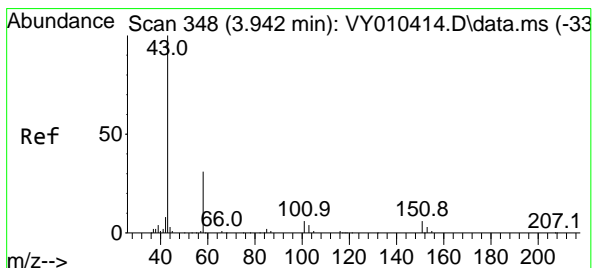
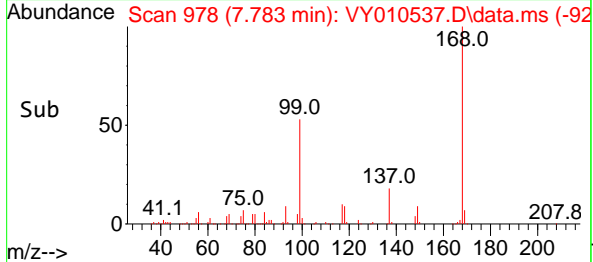
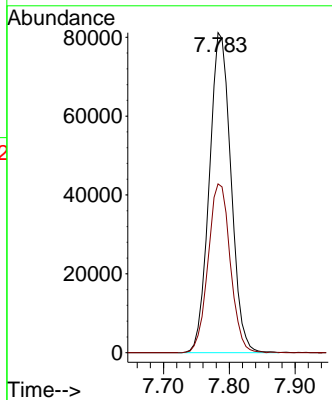
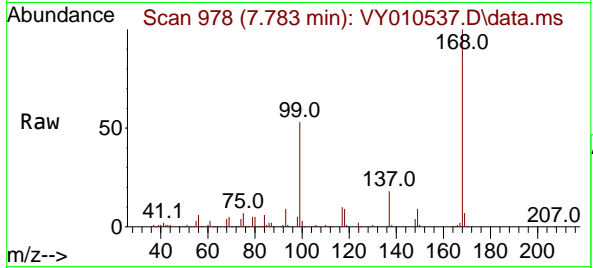




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

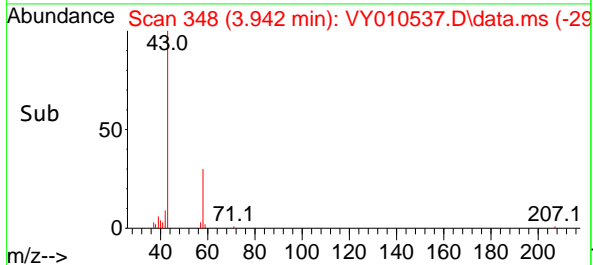
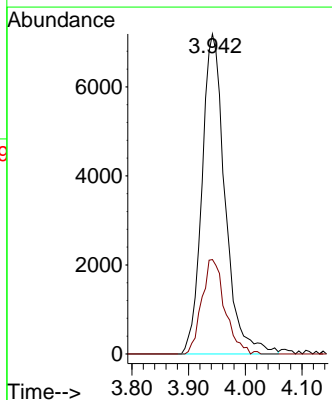
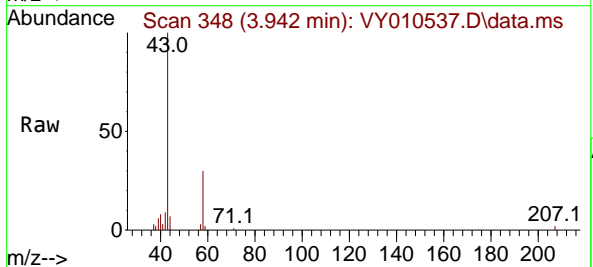
Instrument : MSVOA_Y
 ClientSampleId : WC-17-4-3-GR

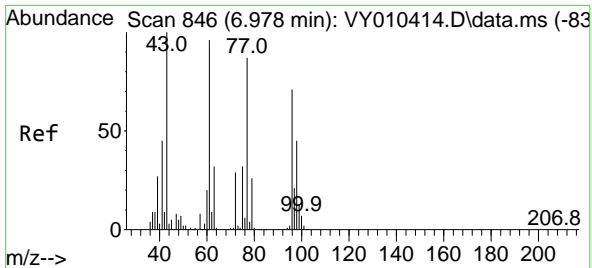
Tgt Ion:168 Resp: 186060
 Ion Ratio Lower Upper
 168 100
 99 52.8 46.9 70.3



#16
 Acetone
 Concen: 47.195 ug/l
 RT: 3.942 min Scan# 348
 Delta R.T. 0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Tgt Ion: 43 Resp: 20296
 Ion Ratio Lower Upper
 43 100
 58 29.5 22.0 33.0

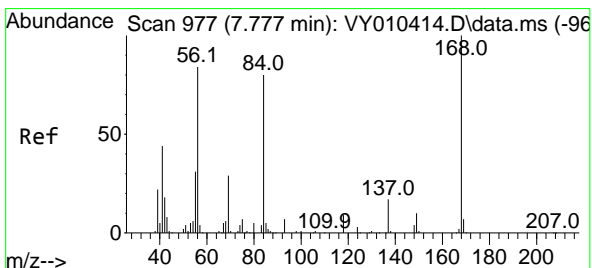
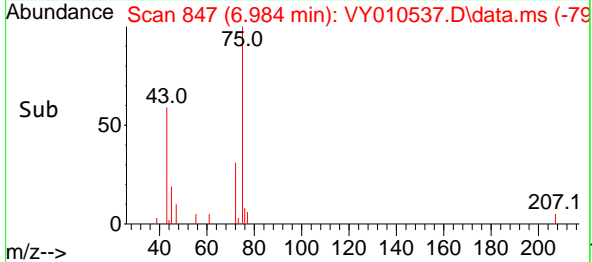
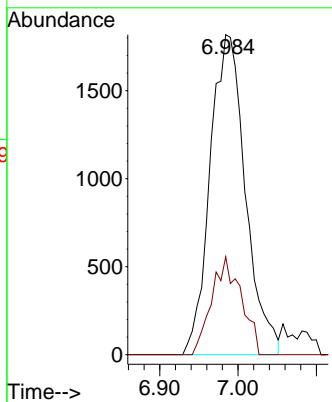
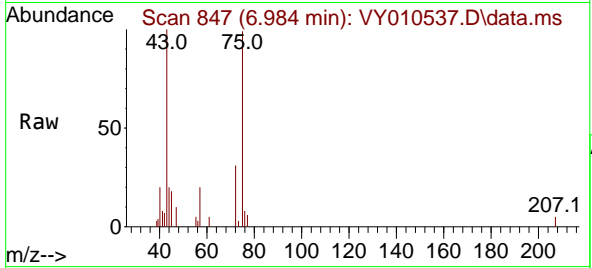




#25
 2-Butanone
 Concen: 8.333 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

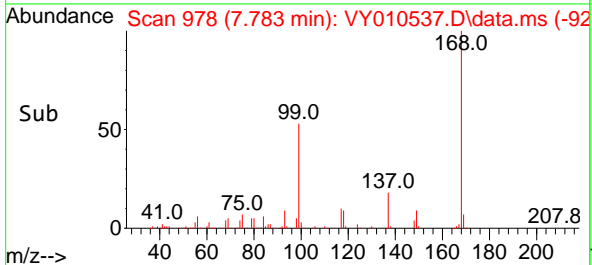
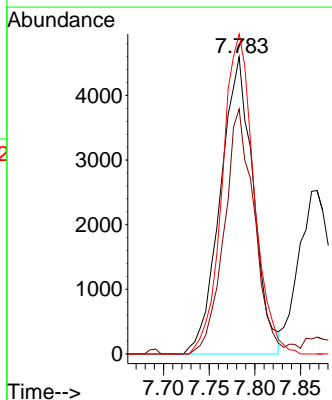
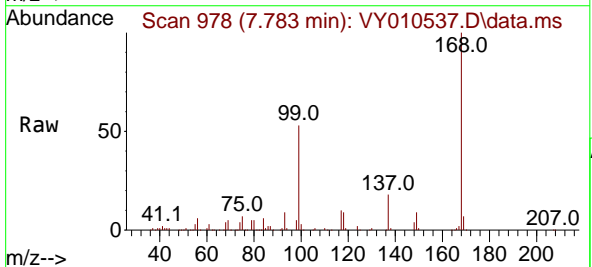
Instrument : MSVOA_Y
 ClientSampleId : WC-17-4-3-GR

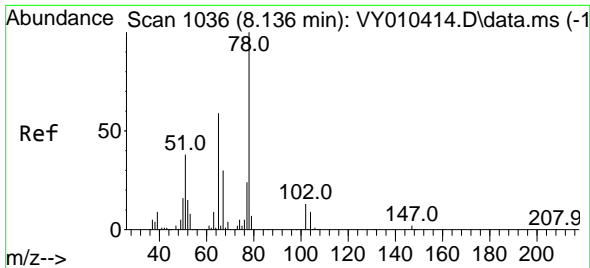
Tgt Ion: 43 Resp: 5695
 Ion Ratio Lower Upper
 43 100
 72 30.6 17.7 26.5#



#31
 Cyclohexane
 Concen: 3.630 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. 0.006 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Tgt Ion: 56 Resp: 11493
 Ion Ratio Lower Upper
 56 100
 69 82.4 26.7 40.1#
 84 107.7 67.2 100.8#

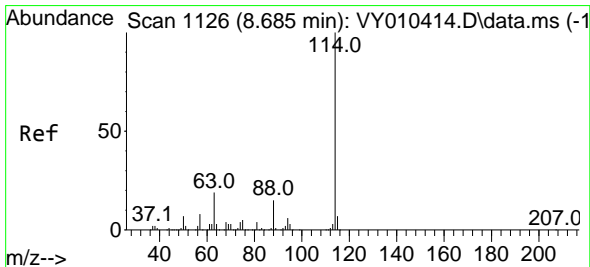
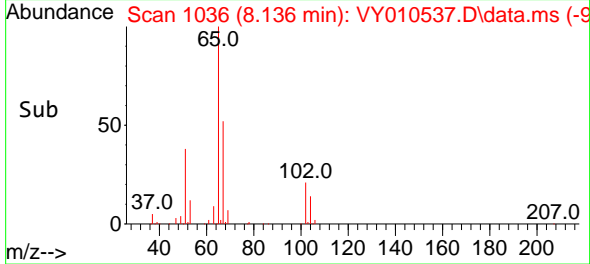
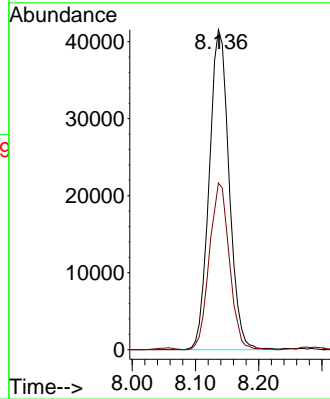
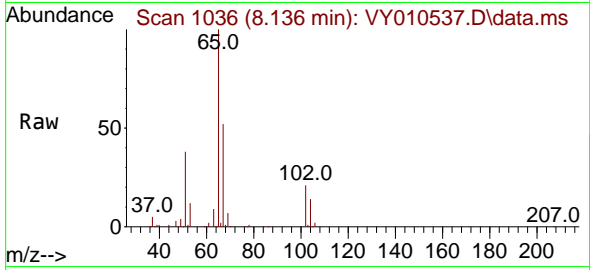




#33
 1,2-Dichloroethane-d4
 Concen: 48.533 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

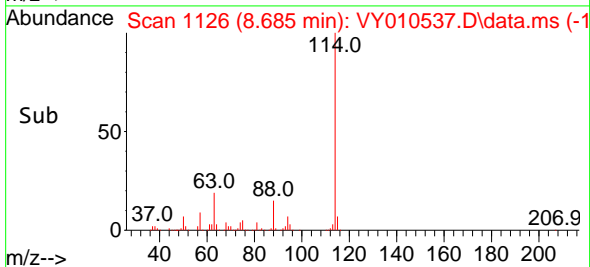
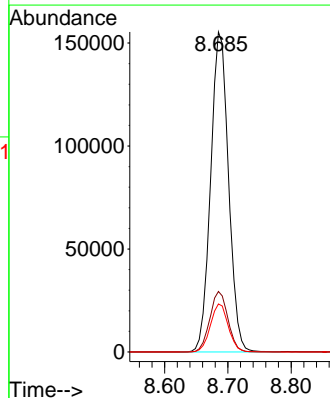
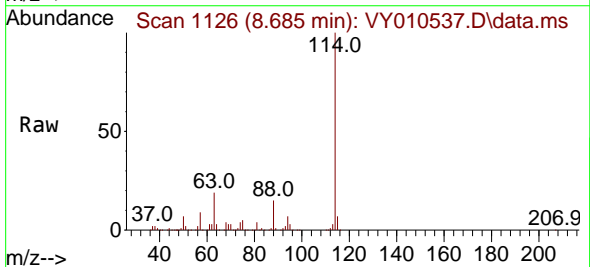
Instrument : MSVOA_Y
 ClientSampleId : WC-17-4-3-GR

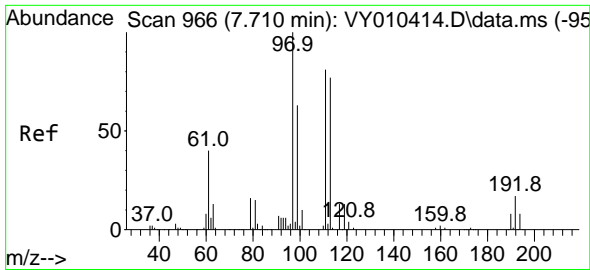
Tgt Ion: 65 Resp: 90948
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Tgt Ion: 114 Resp: 305441
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 43.2
 88 15.0 0.0 31.8

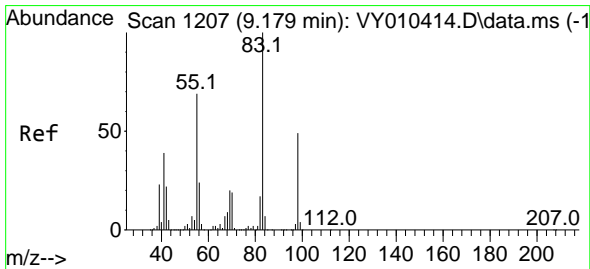
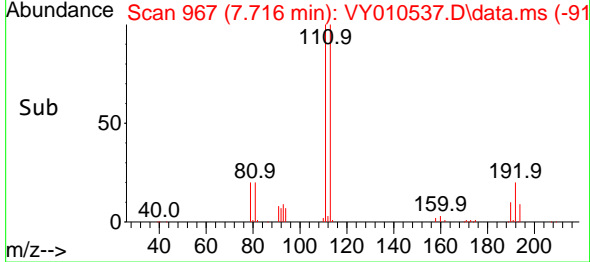
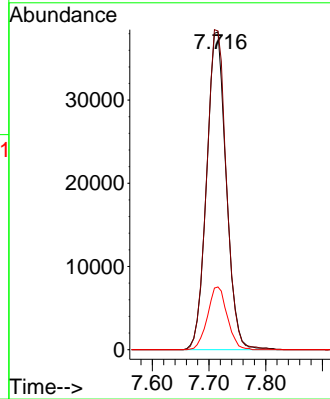
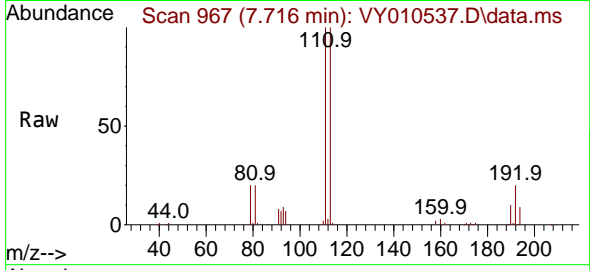




#35
 Dibromofluoromethane
 Concen: 42.283 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

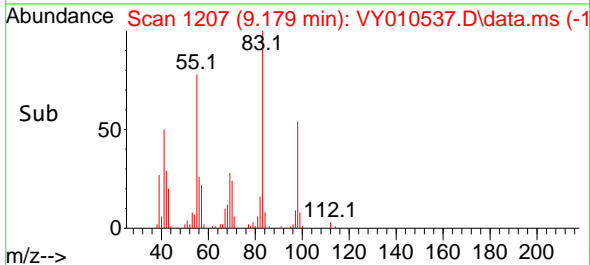
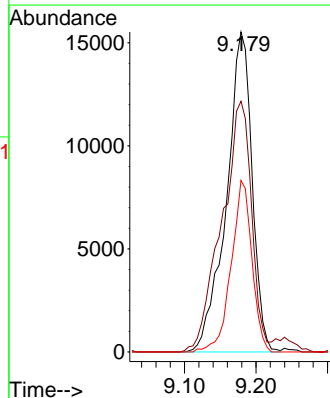
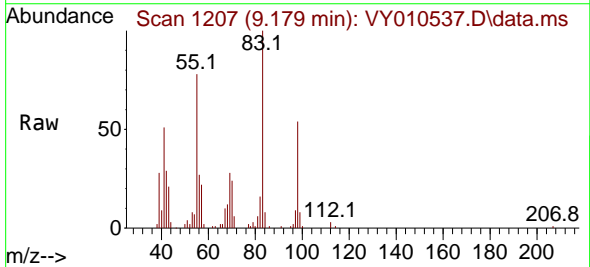
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-3-GR

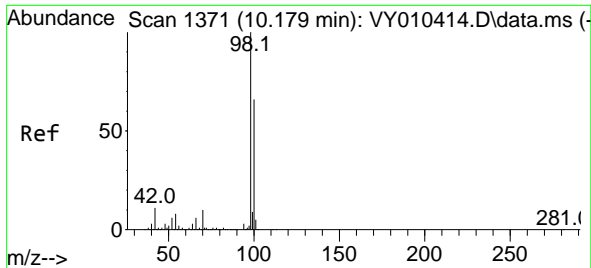
Tgt Ion:113 Resp: 91722
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.6 124.0
 192 19.8 17.6 26.4



#39
 Methylcyclohexane
 Concen: 10.451 ug/l
 RT: 9.179 min Scan# 1207
 Delta R.T. -0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Tgt Ion: 83 Resp: 38700
 Ion Ratio Lower Upper
 83 100
 55 78.4 66.5 99.7
 98 53.6 37.9 56.9

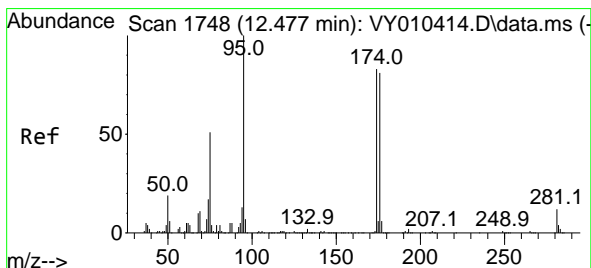
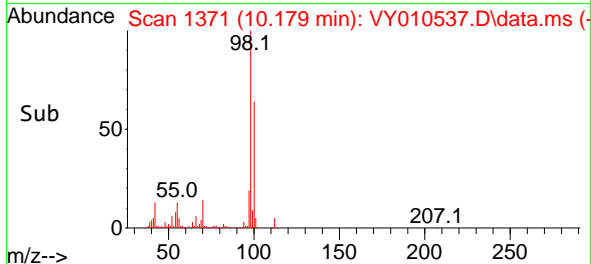
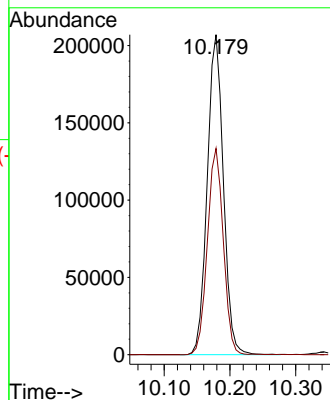
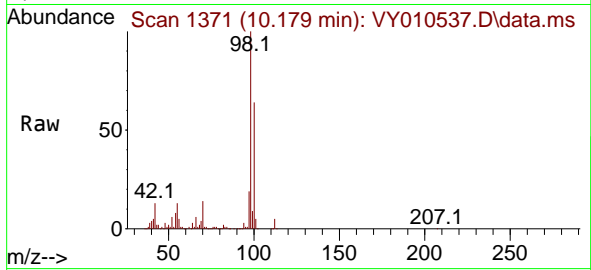




#50
 Toluene-d8
 Concen: 50.234 ug/l
 RT: 10.179 min Scan# 1371
 Delta R.T. -0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

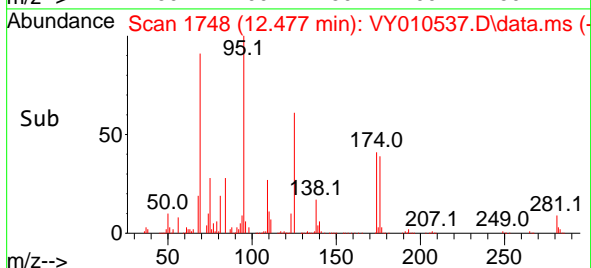
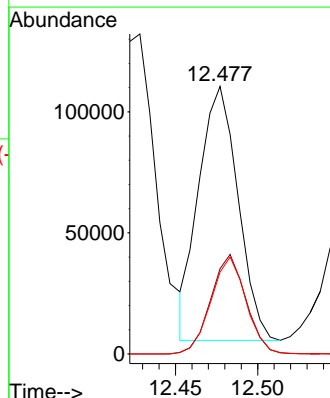
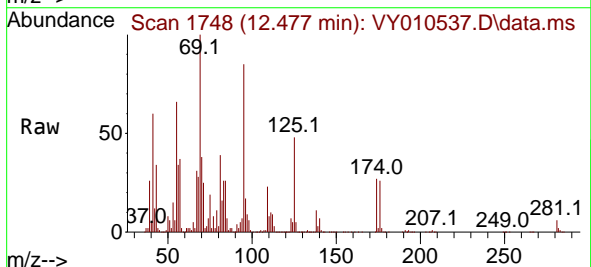
Instrument :
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 WC-17-4-3-GR

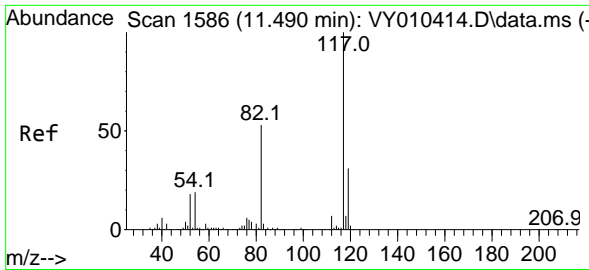
Tgt Ion: 98 Resp: 353166
 Ion Ratio Lower Upper
 98 100
 100 63.6 50.2 75.2



#62
 4-Bromofluorobenzene
 Concen: 64.147 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

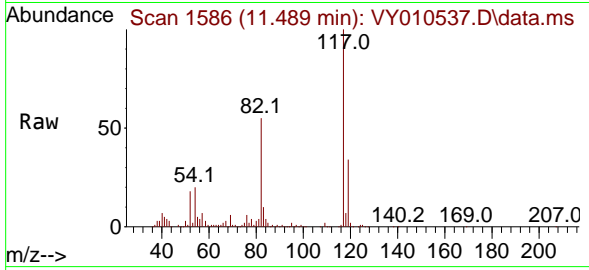
Tgt Ion: 95 Resp: 173906
 Ion Ratio Lower Upper
 95 100
 174 35.2 0.0 177.0
 176 34.2 0.0 175.8





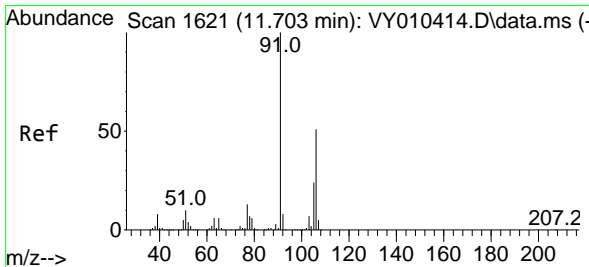
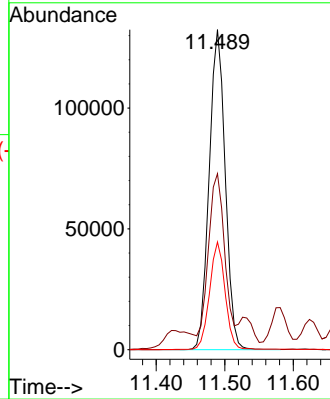
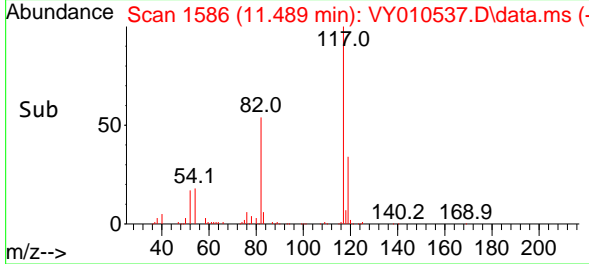
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.489 min Scan# 117
 Delta R.T. -0.001 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Instrument : MSVOA_Y
 ClientSampleId : WC-17-4-3-GR

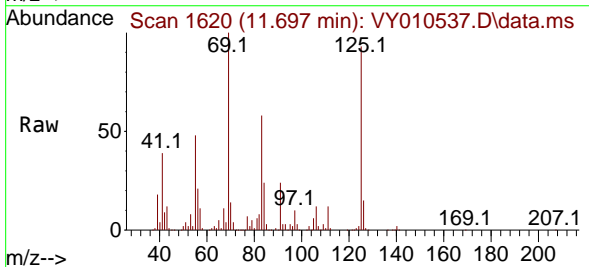


Tgt Ion:117 Resp: 215862

Ion	Ratio	Lower	Upper
117	100		
82	49.5	43.0	64.4
119	33.6	25.4	38.0

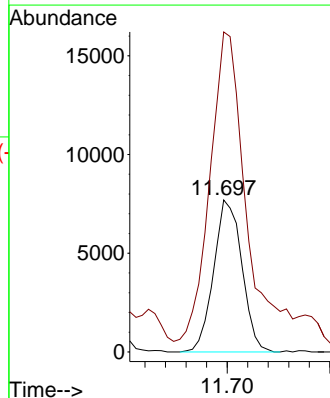
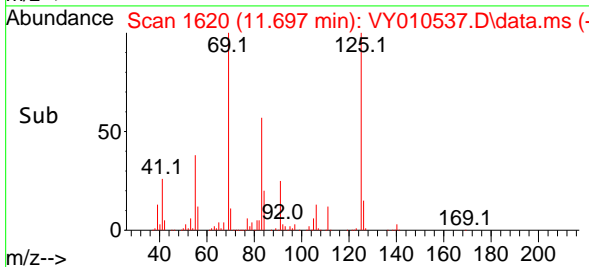


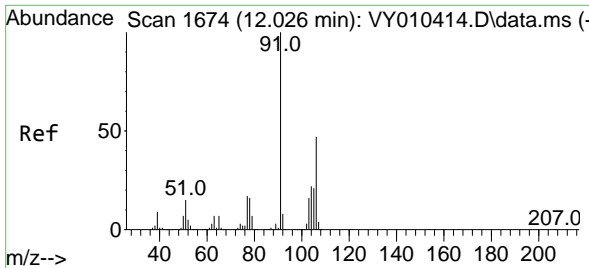
#68
 m/p-Xylenes
 Concen: 4.372 ug/l
 RT: 11.697 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04



Tgt Ion:106 Resp: 14665

Ion	Ratio	Lower	Upper
106	100		
91	259.1	166.6	249.8#

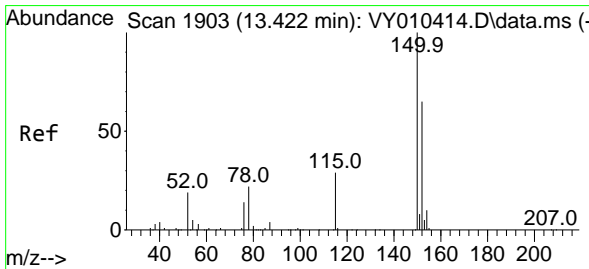
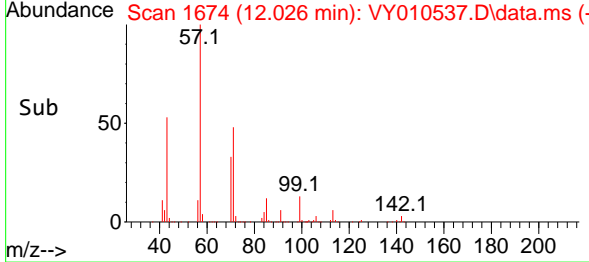
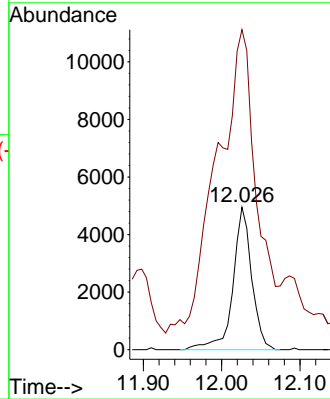
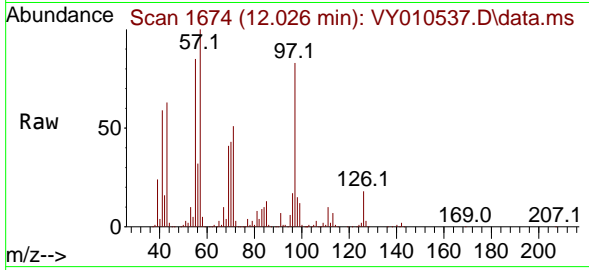




#69
 o-Xylene
 Concen: 2.569 ug/l
 RT: 12.026 min Scan# 10
 Delta R.T. -0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

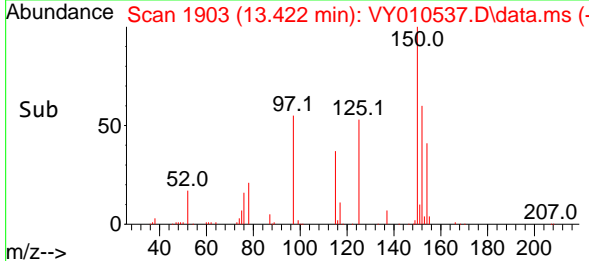
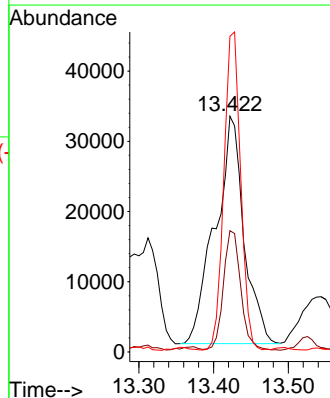
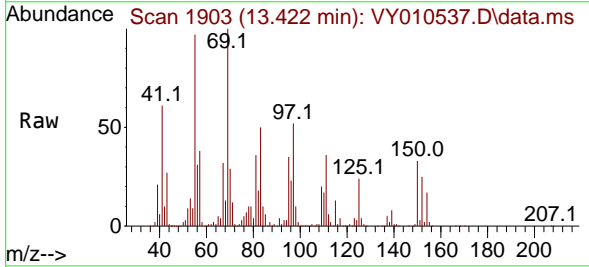
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-3-GR

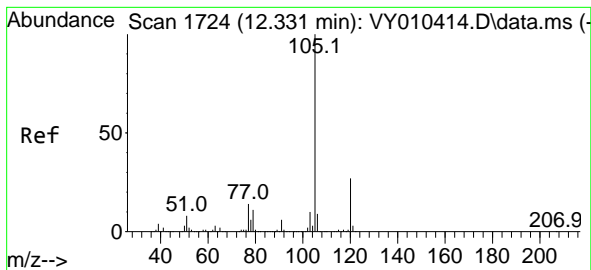
Tgt Ion:106 Resp: 8227
 Ion Ratio Lower Upper
 106 100
 91 448.6 110.3 331.0#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Tgt Ion:152 Resp: 87011
 Ion Ratio Lower Upper
 152 100
 115 31.6 28.2 84.7
 150 81.2 0.0 347.6

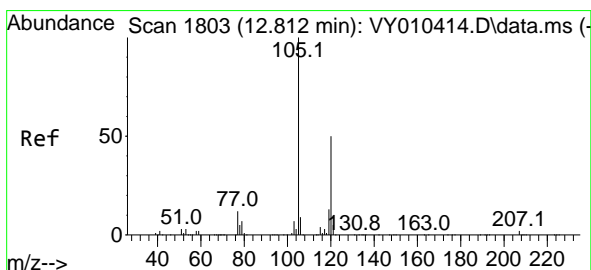
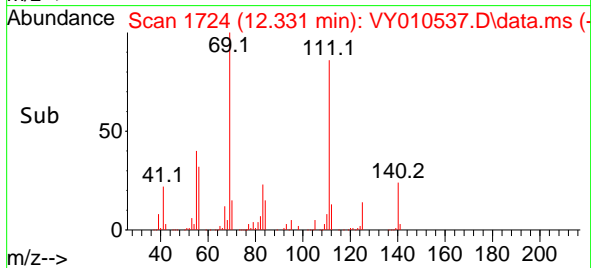
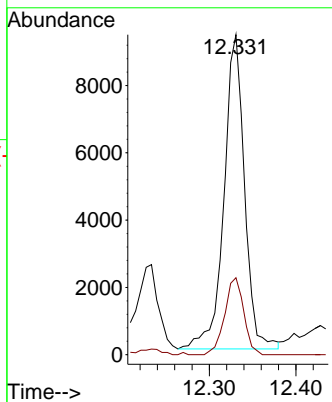
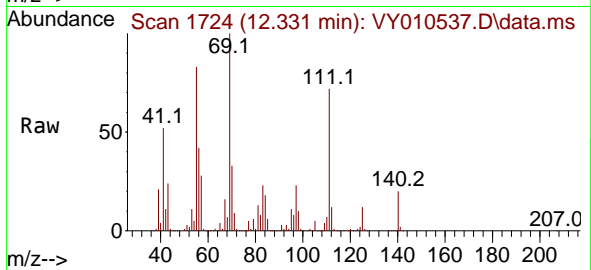




#73
 Isopropylbenzene
 Concen: 2.273 ug/l
 RT: 12.331 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

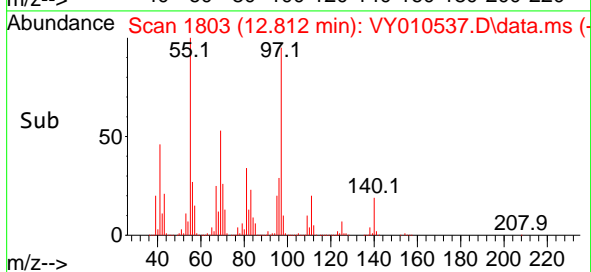
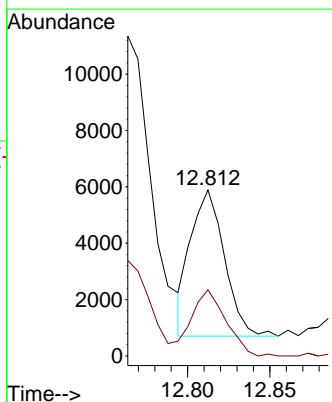
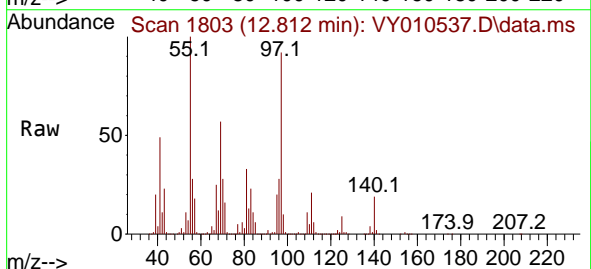
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-3-GR

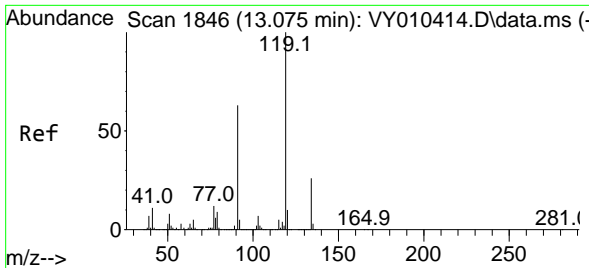
Tgt Ion:105 Resp: 15433
 Ion Ratio Lower Upper
 105 100
 120 22.6 13.4 40.2



#80
 1,3,5-Trimethylbenzene
 Concen: 1.292 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Tgt Ion:105 Resp: 7401
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.4 73.4



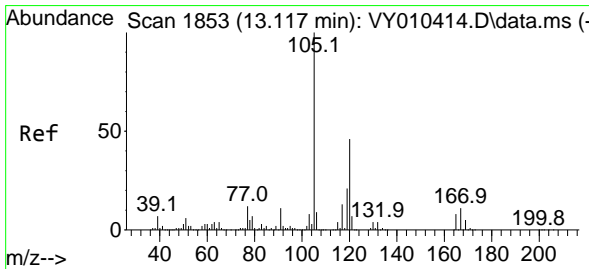
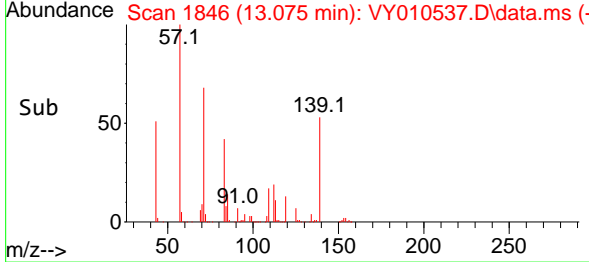
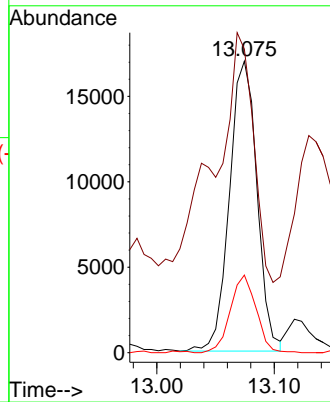
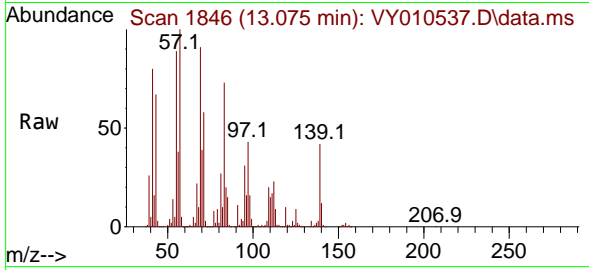


#83
 tert-Butylbenzene
 Concen: 5.526 ug/l
 RT: 13.075 min Scan# 1846
 Delta R.T. -0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Instrument : MSVOA_Y
 ClientSampleId : WC-17-4-3-GR

Tgt Ion:119 Resp: 27669

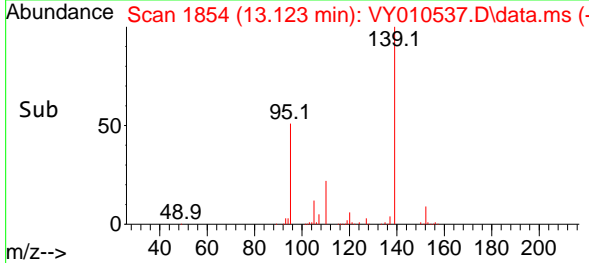
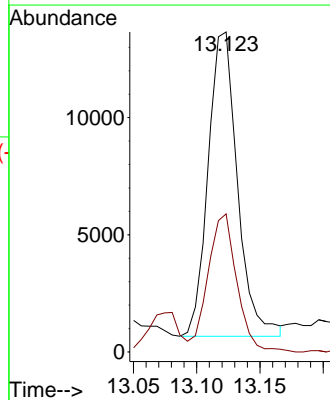
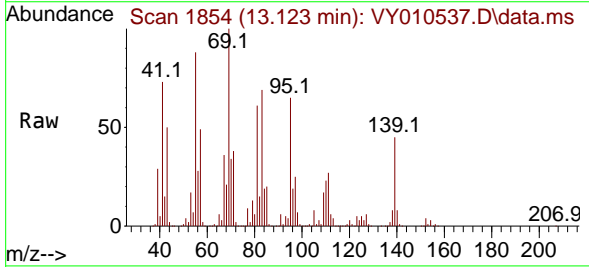
Ion	Ratio	Lower	Upper
119	100		
91	124.3	34.8	104.4#
134	25.1	13.3	39.9

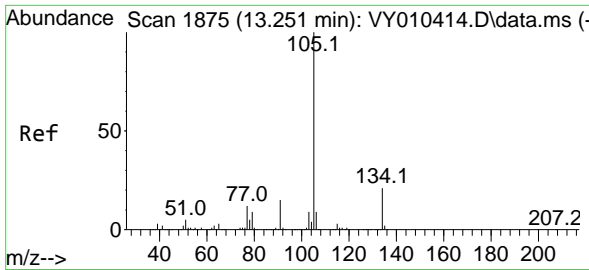


#84
 1,2,4-Trimethylbenzene
 Concen: 3.736 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Tgt Ion:105 Resp: 20940

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9

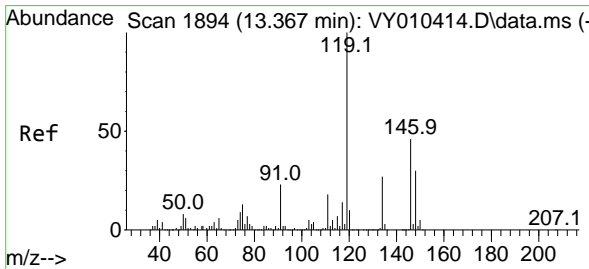
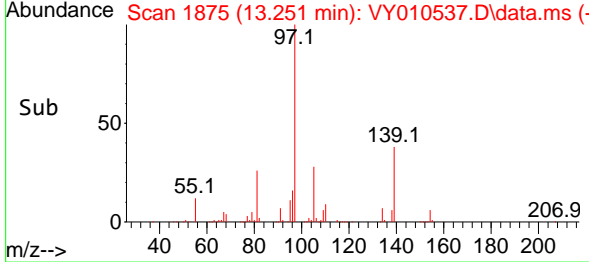
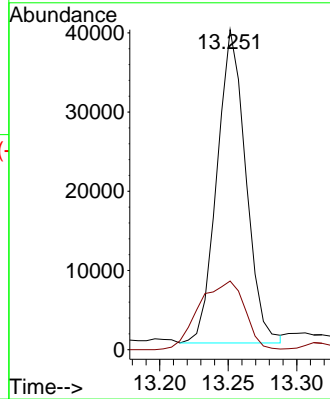
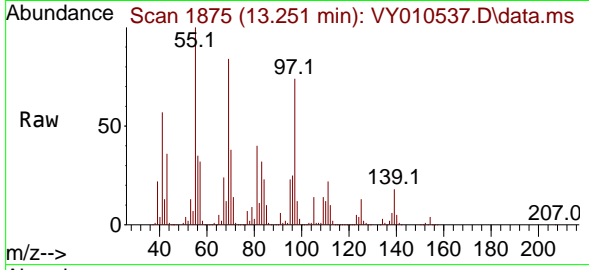




#85
 sec-Butylbenzene
 Concen: 7.817 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Instrument : MSVOA_Y
 ClientSampleId : WC-17-4-3-GR

Tgt Ion:105 Resp: 57955
 Ion Ratio Lower Upper
 105 100
 134 34.6 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 1.473 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY010537.D
 Acq: 16 Sep 2022 16:04

Tgt Ion:119 Resp: 9239
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.5
 91 0.0 12.4 37.2#

