

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009450.D
 Acq On : 06 Jul 2022 13:44
 Operator : KP/MD
 Sample : N3564-21
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-16-2-5

Quant Time: Jul 07 01:49:24 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	210537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	329055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	242512	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107209	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	74628	44.255	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.520%
35) Dibromofluoromethane	7.710	113	73081	40.353	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.700%
50) Toluene-d8	10.172	98	360813	64.980	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	129.960%#
62) 4-Bromofluorobenzene	12.471	95	169038	64.189	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	128.380%

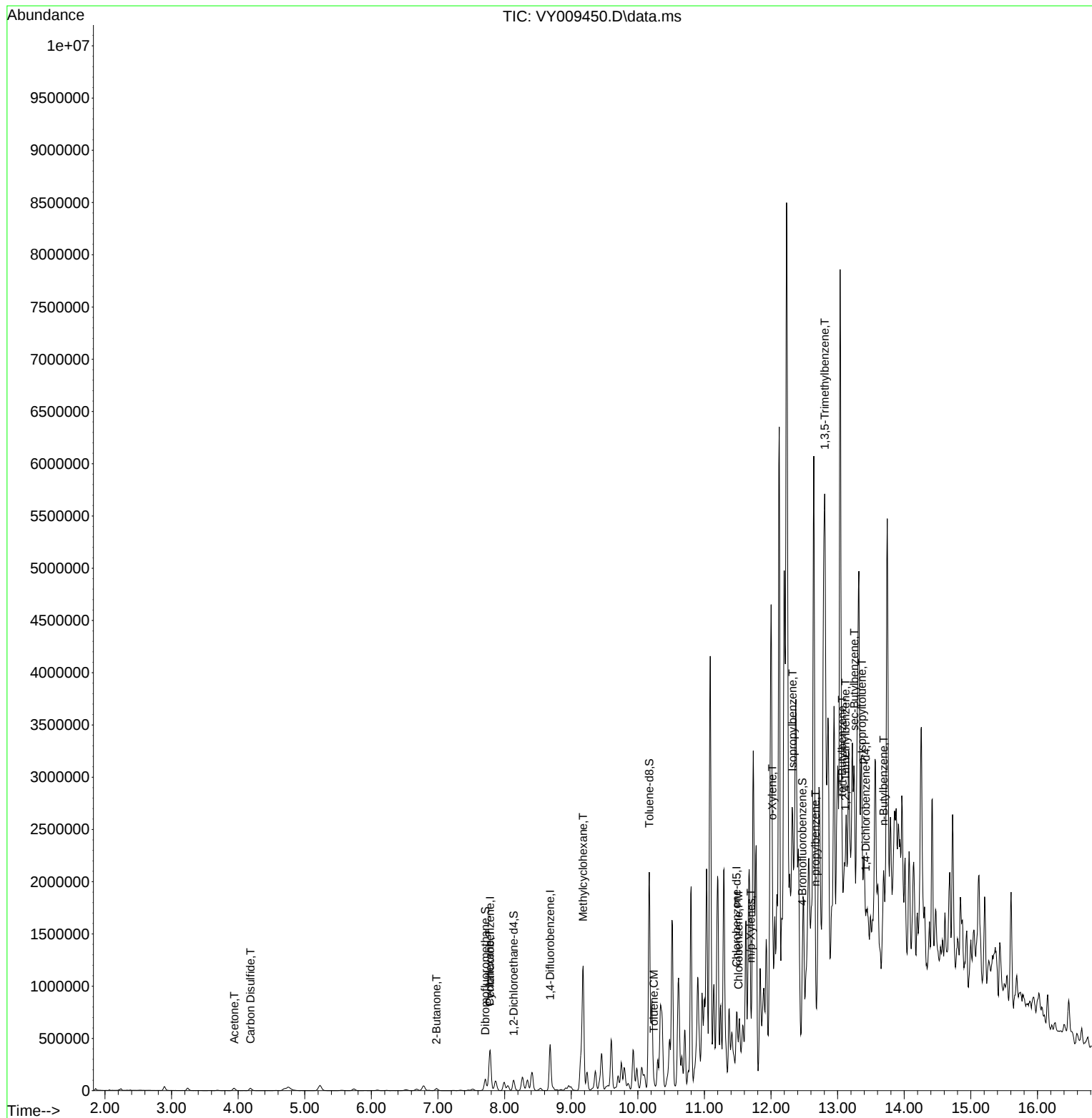
Target Compounds						Qvalue
16) Acetone	3.942	43	36094	65.173	ug/l	# 88
17) Carbon Disulfide	4.186	76	41293	7.844	ug/l	98
25) 2-Butanone	6.978	43	30050	34.225	ug/l	96
31) Cyclohexane	7.777	56	77114	20.331	ug/l	86
39) Methylcyclohexane	9.179	83	506132	135.050	ug/l	90
52) Toluene	10.240	92	29339	5.022	ug/l	97
65) Chlorobenzene	11.514	112	21744	4.190	ug/l	96
68) m/p-Xylenes	11.697	106	13898	3.861	ug/l	# 40
69) o-Xylene	12.020	106	7765	2.286	ug/l	# 26
73) Isopropylbenzene	12.325	105	278143	35.125	ug/l	99
78) n-propylbenzene	12.666	91	70429	7.312	ug/l	85
80) 1,3,5-Trimethylbenzene	12.806	105	12176	1.839	ug/l	98
83) tert-Butylbenzene	13.068	119	33802	6.075	ug/l	# 66
84) 1,2,4-Trimethylbenzene	13.117	105	28956	4.601	ug/l	100
85) sec-Butylbenzene	13.251	105	258615	30.862	ug/l	# 71
86) p-Isopropyltoluene	13.367	119	8195	1.163	ug/l	# 1
89) n-Butylbenzene	13.690	91	158754	23.977	ug/l	93

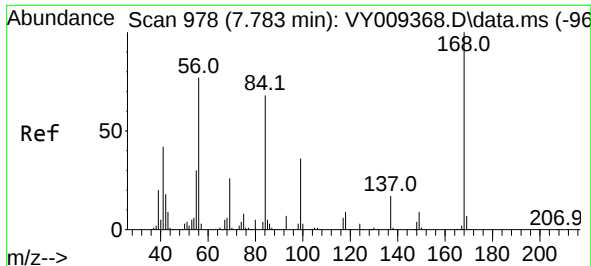
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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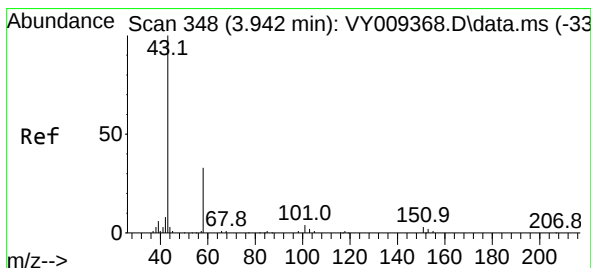
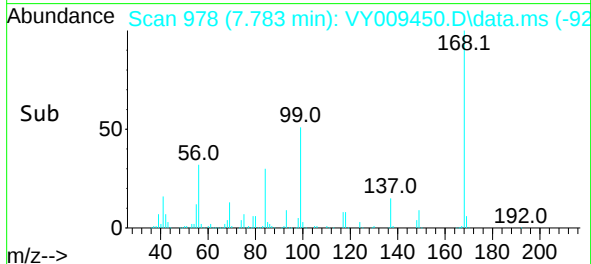
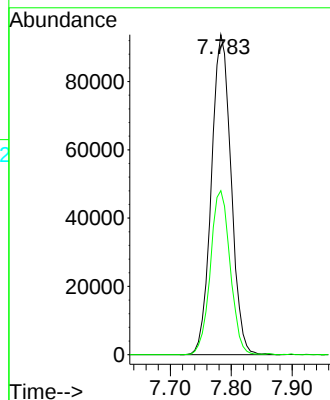
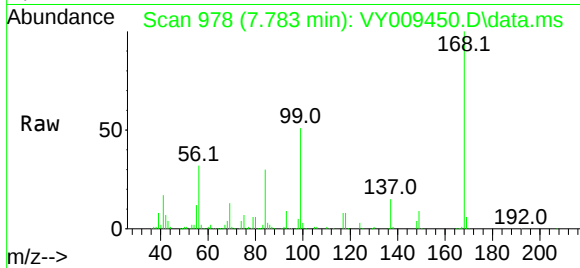




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

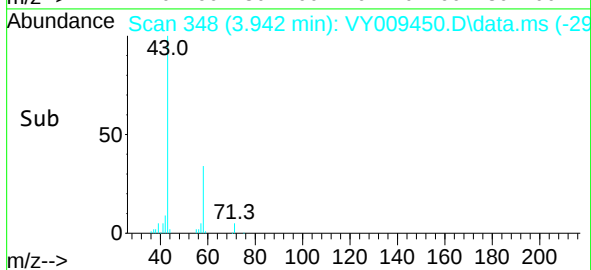
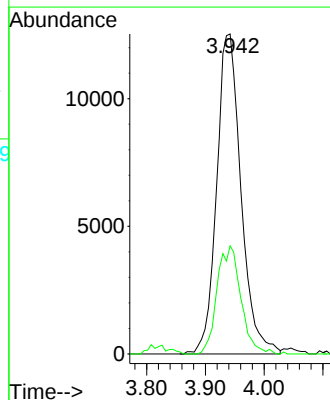
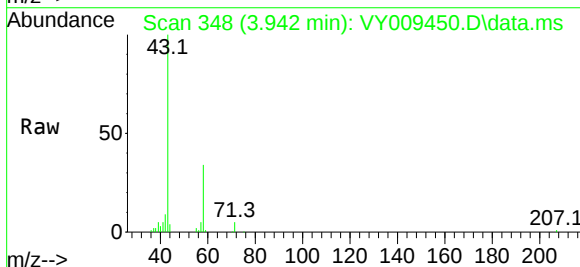
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-5

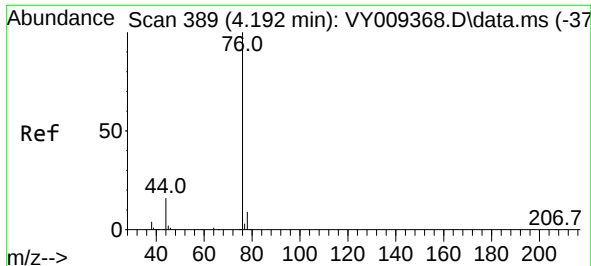
Tgt Ion:168 Resp: 210537
Ion Ratio Lower Upper
168 100
99 51.2 46.9 70.3



#16
Acetone
Concen: 65.173 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

Tgt Ion: 43 Resp: 36094
Ion Ratio Lower Upper
43 100
58 33.8 22.0 33.0#

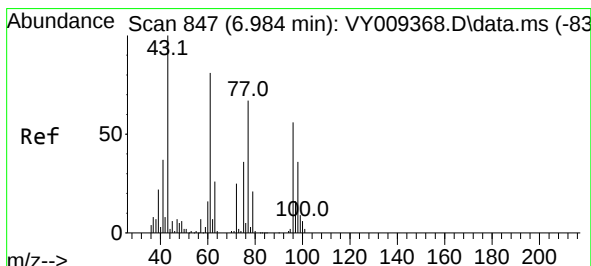
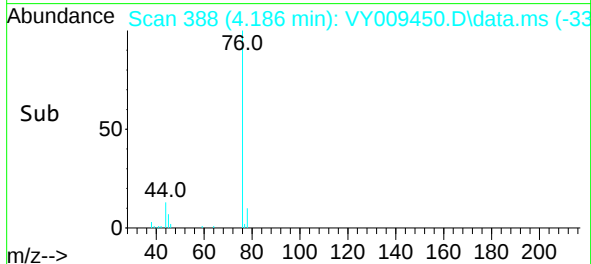
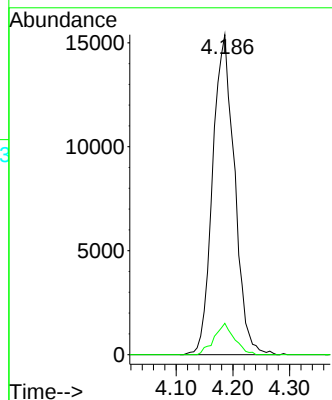
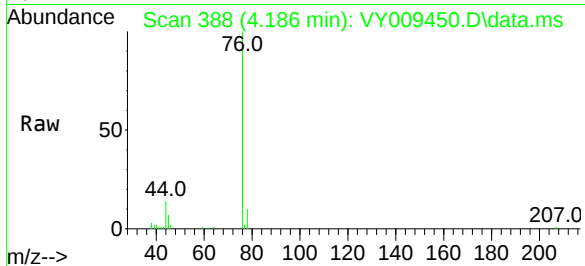




#17
Carbon Disulfide
Concen: 7.844 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

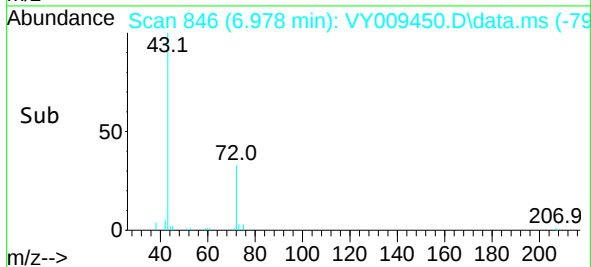
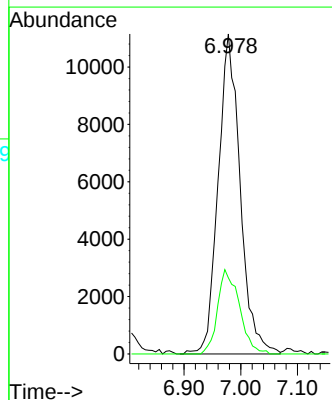
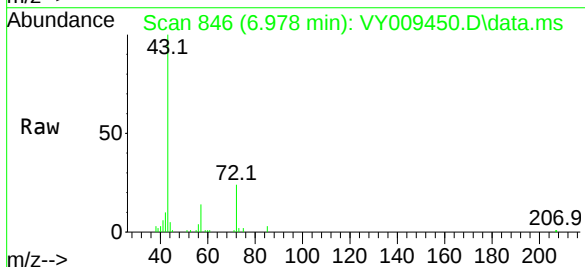
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-5

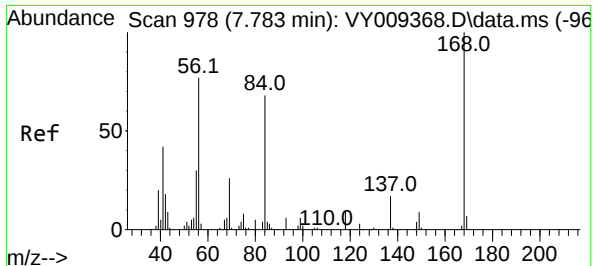
Tgt Ion: 76 Resp: 41293
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#25
2-Butanone
Concen: 34.225 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

Tgt Ion: 43 Resp: 30050
Ion Ratio Lower Upper
43 100
72 23.8 17.7 26.5

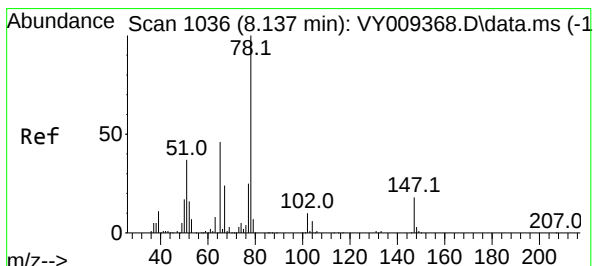
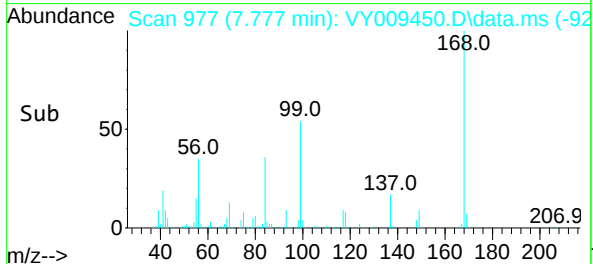
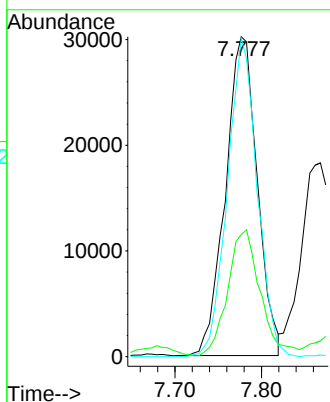
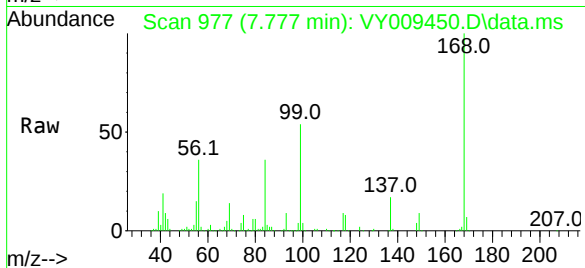




#31
Cyclohexane
Concen: 20.331 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

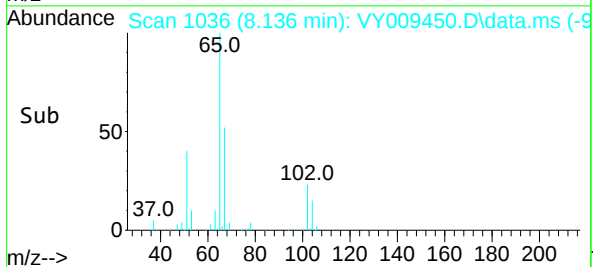
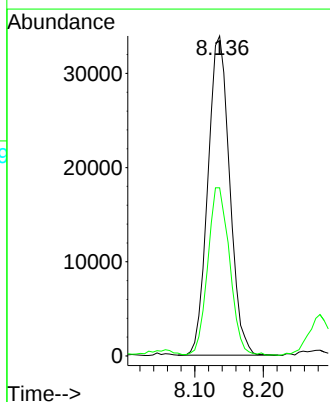
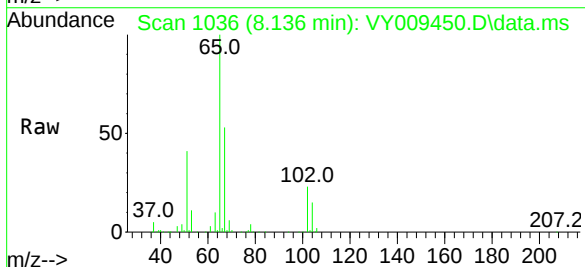
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-5

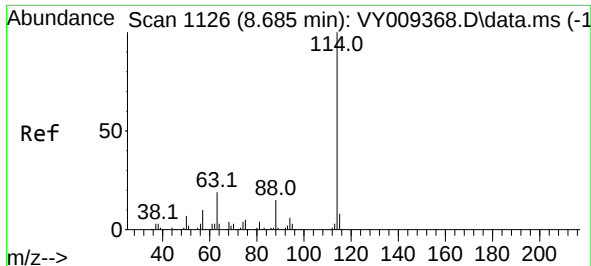
Tgt Ion: 56 Resp: 77114
Ion Ratio Lower Upper
56 100
69 36.8 26.7 40.1
84 99.8 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 44.255 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

Tgt Ion: 65 Resp: 74628
Ion Ratio Lower Upper
65 100
67 52.9 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: VY009450.D

Acq: 06 Jul 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

WC-16-2-5

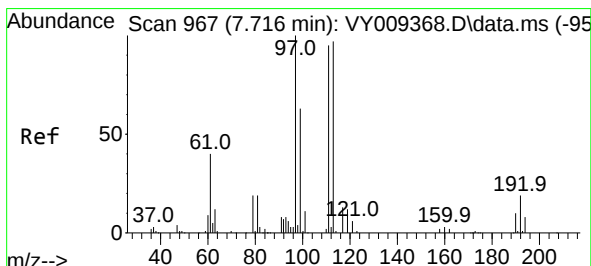
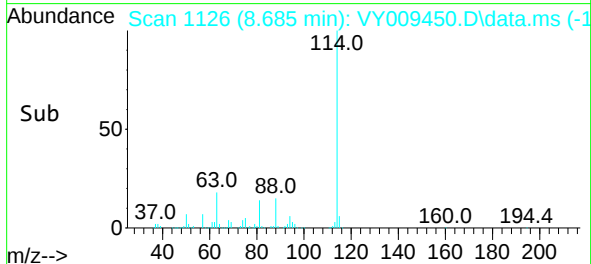
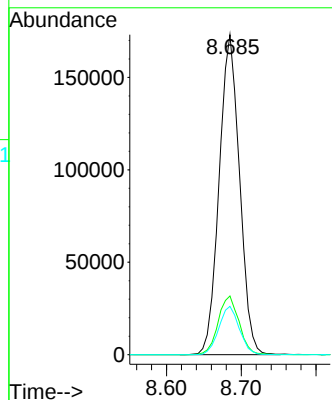
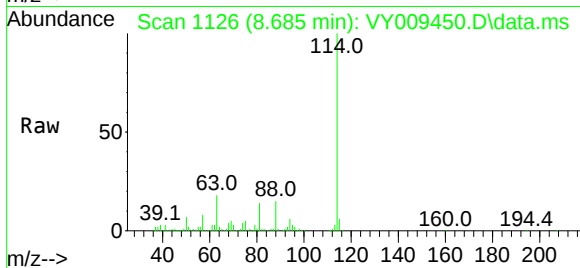
Tgt Ion:114 Resp: 329055

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.353 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009450.D

Acq: 06 Jul 2022 13:44

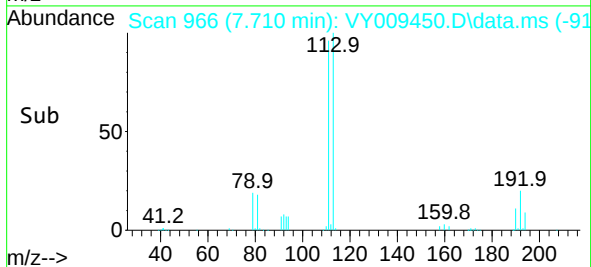
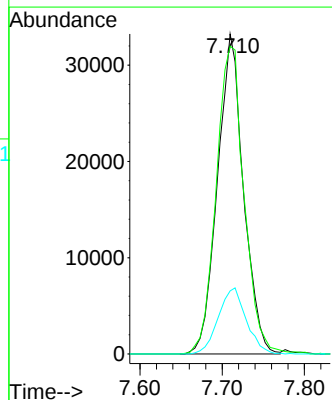
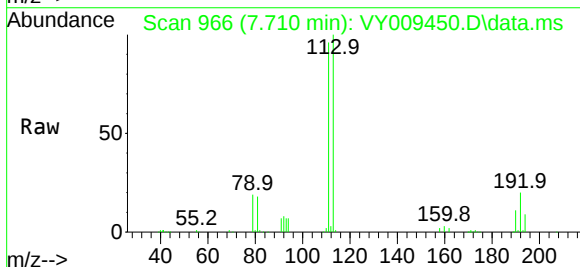
Tgt Ion:113 Resp: 73081

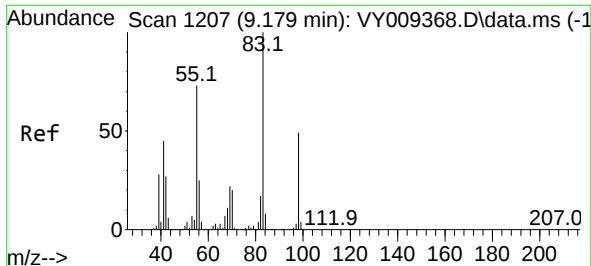
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 22.2 17.6 26.4

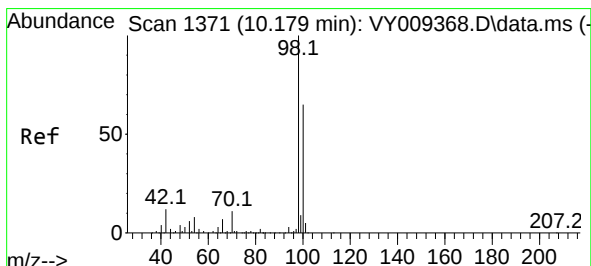
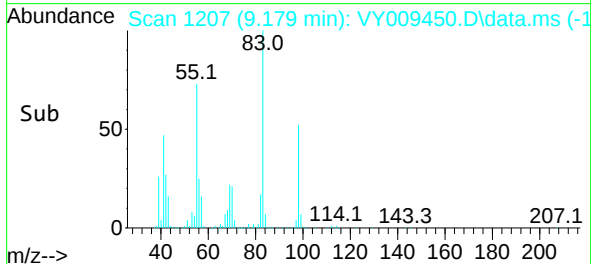
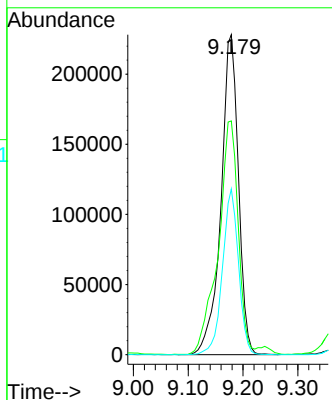
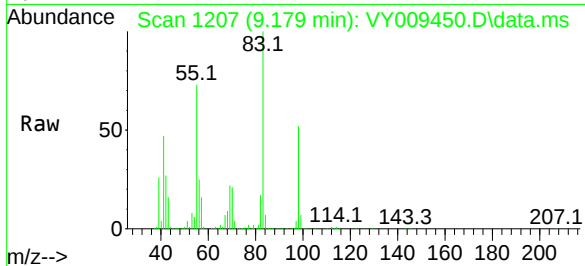




#39
Methylcyclohexane
Concen: 135.050 ug/l
RT: 9.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

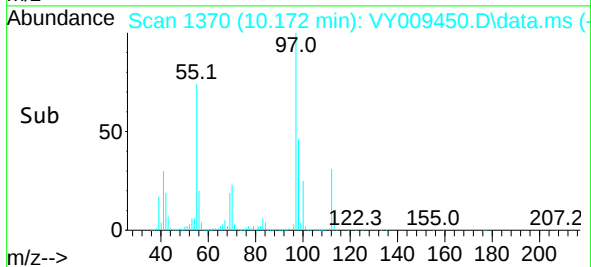
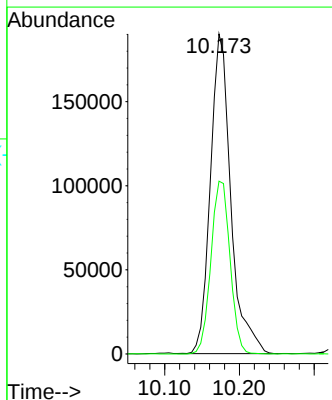
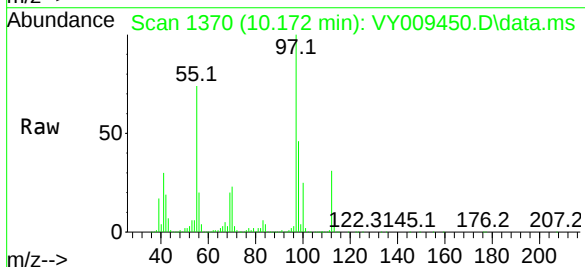
Instrument :
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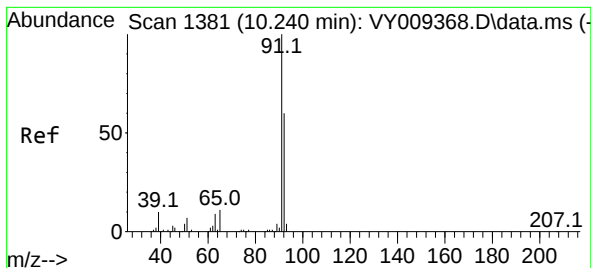
Tgt Ion: 83 Resp: 506132
Ion Ratio Lower Upper
83 100
55 73.0 66.5 99.7
98 51.8 37.9 56.9



#50
Toluene-d8
Concen: 64.980 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.007 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

Tgt Ion: 98 Resp: 360813
Ion Ratio Lower Upper
98 100
100 50.5 50.2 75.2





#52

Toluene

Concen: 5.022 ug/l

RT: 10.240 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009450.D

Acq: 06 Jul 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

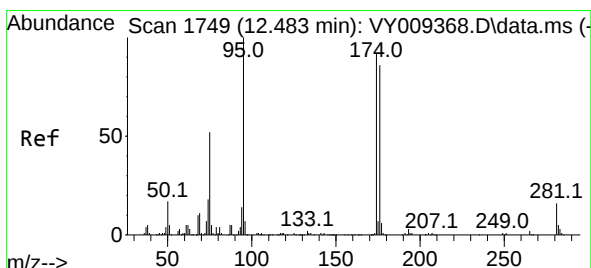
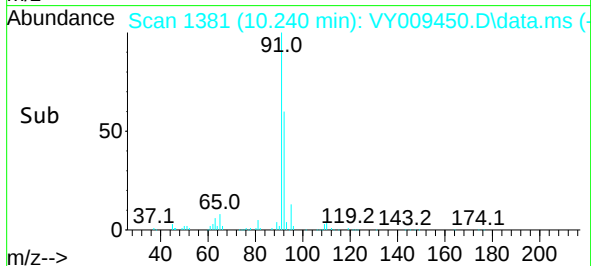
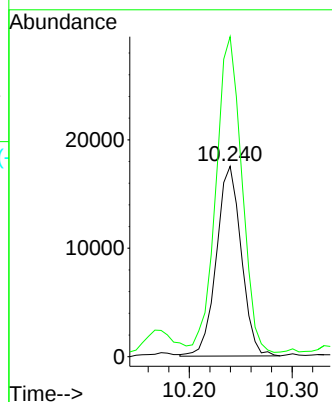
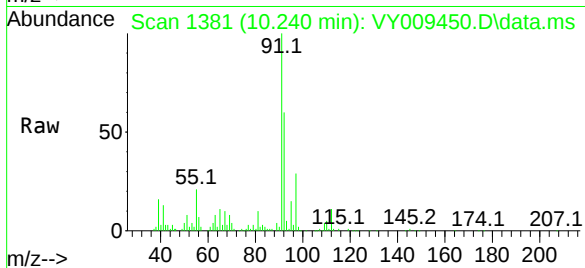
WC-16-2-5

Tgt Ion: 92 Resp: 29339

Ion Ratio Lower Upper

92 100

91 173.4 142.6 213.8



#62

4-Bromofluorobenzene

Concen: 64.189 ug/l

RT: 12.471 min Scan# 1747

Delta R.T. -0.006 min

Lab File: VY009450.D

Acq: 06 Jul 2022 13:44

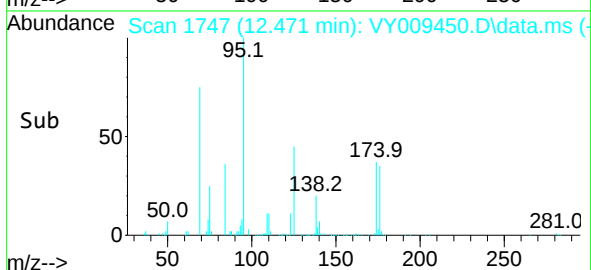
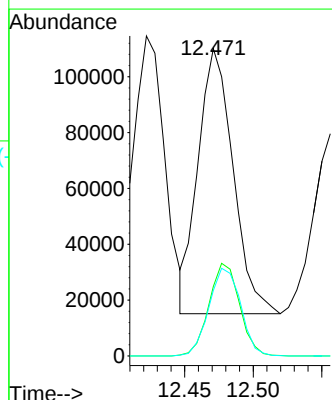
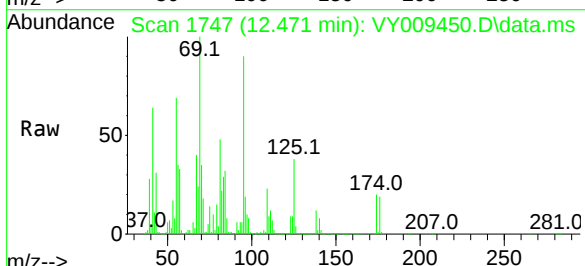
Tgt Ion: 95 Resp: 169038

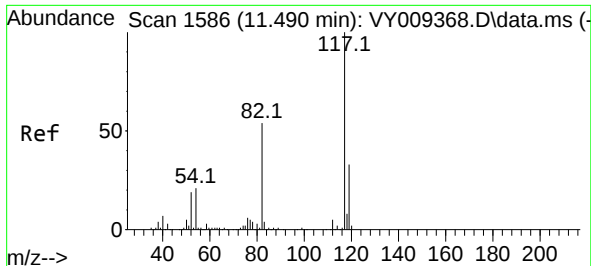
Ion Ratio Lower Upper

95 100

174 30.6 0.0 177.0

176 29.9 0.0 175.8

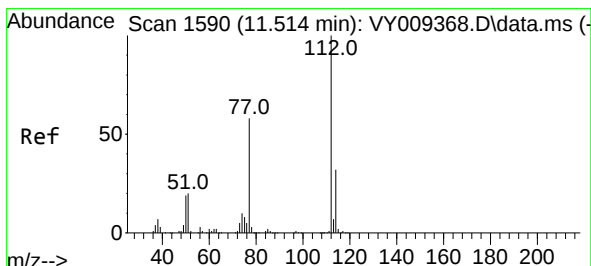
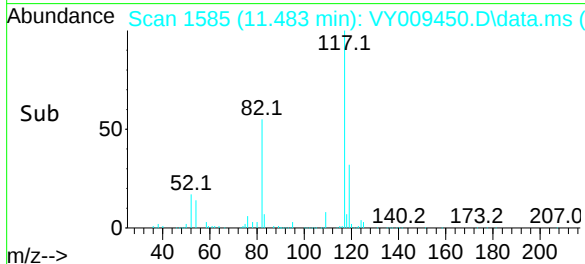
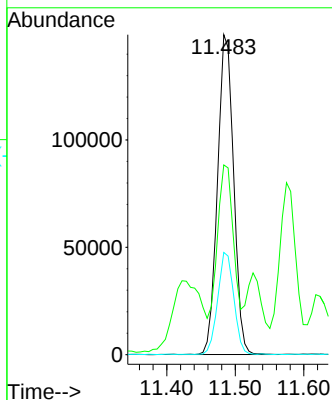
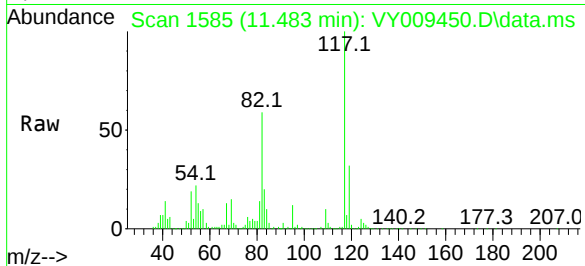




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

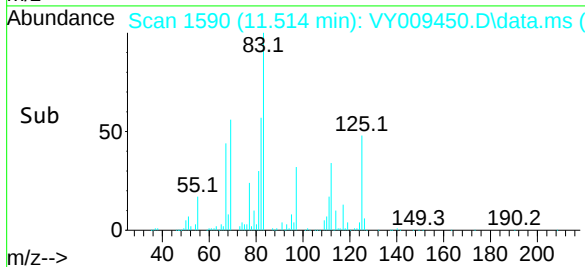
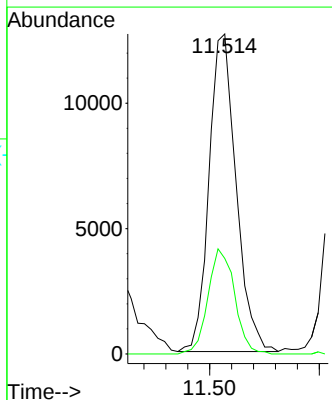
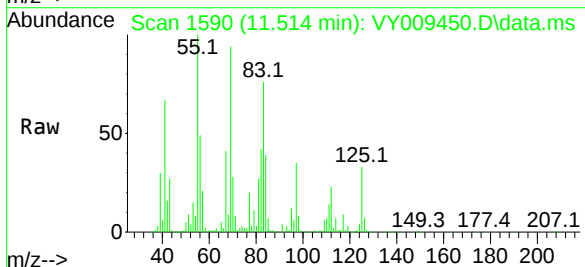
Instrument :
MSVOA_Y
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WC-16-2-5

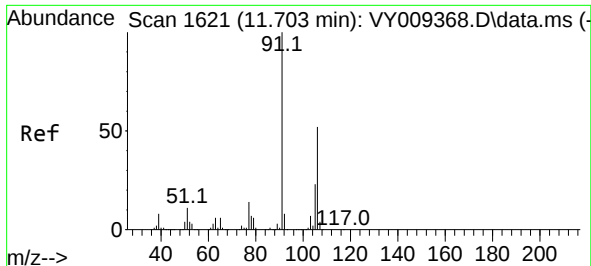
Tgt Ion:117 Resp: 242512
Ion Ratio Lower Upper
117 100
82 38.7 43.0 64.4#
119 31.9 25.4 38.0



#65
Chlorobenzene
Concen: 4.190 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

Tgt Ion:112 Resp: 21744
Ion Ratio Lower Upper
112 100
114 30.1 25.8 38.6

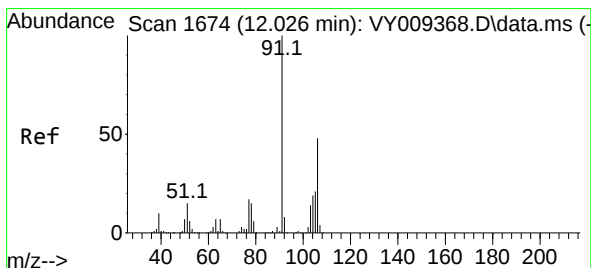
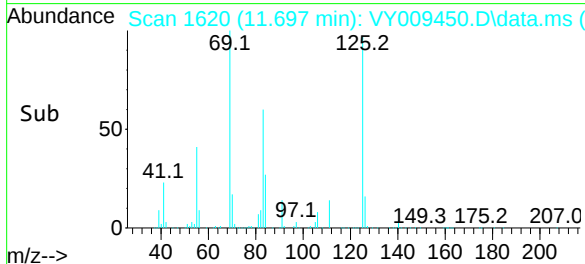
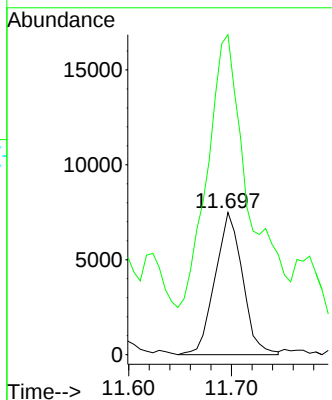
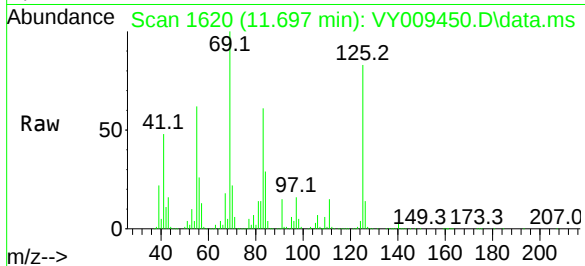




#68
m/p-Xylenes
Concen: 3.861 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

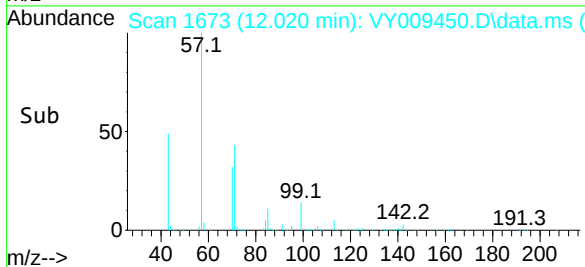
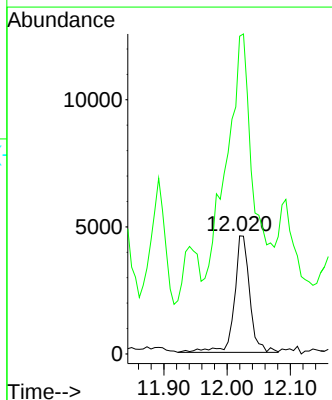
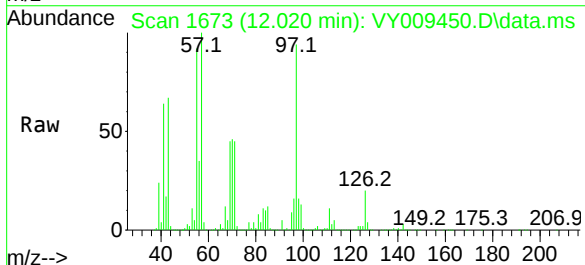
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-5

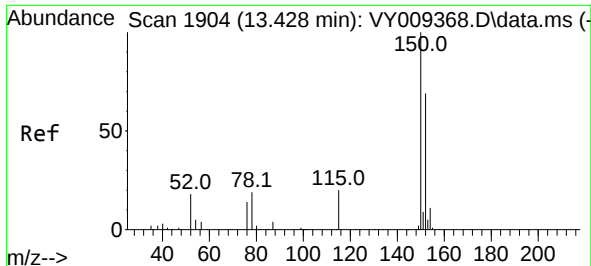
Tgt Ion:106 Resp: 13898
Ion Ratio Lower Upper
106 100
91 301.1 166.6 249.8#



#69
o-Xylene
Concen: 2.286 ug/l
RT: 12.020 min Scan# 1673
Delta R.T. -0.006 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

Tgt Ion:106 Resp: 7765
Ion Ratio Lower Upper
106 100
91 339.8 110.3 331.0#

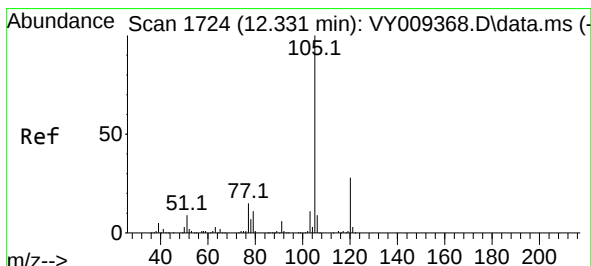
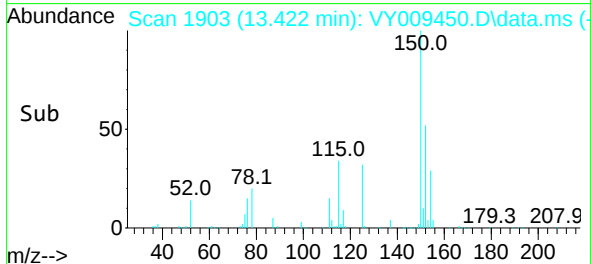
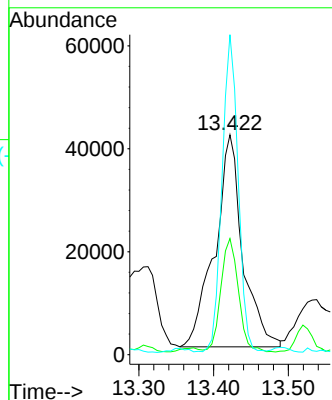
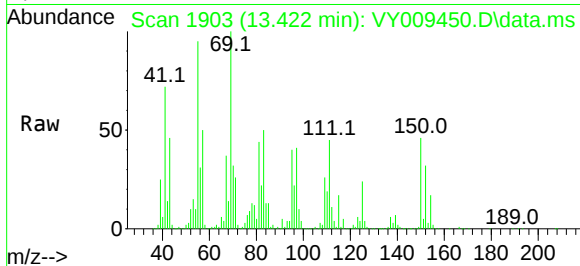




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

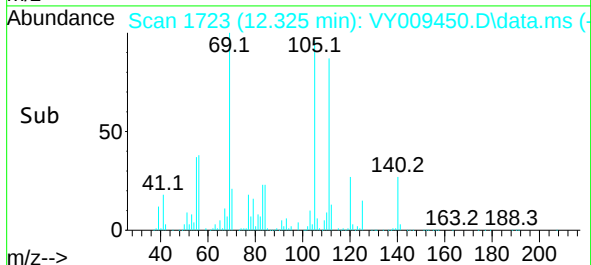
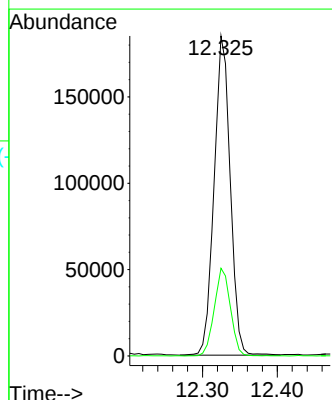
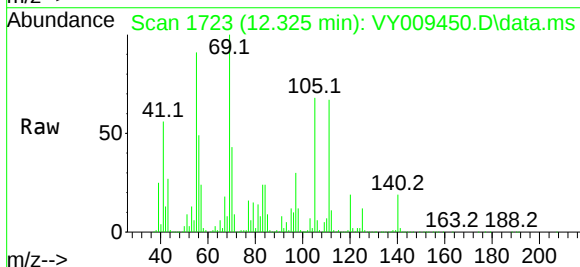
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-5

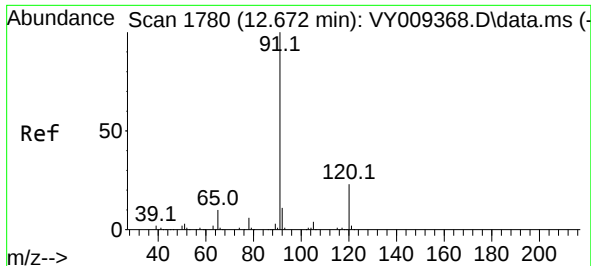
Tgt Ion:152 Resp: 107209
Ion Ratio Lower Upper
152 100
115 33.7 28.2 84.7
150 85.7 0.0 347.6



#73
Isopropylbenzene
Concen: 35.125 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

Tgt Ion:105 Resp: 278143
Ion Ratio Lower Upper
105 100
120 27.5 13.4 40.2

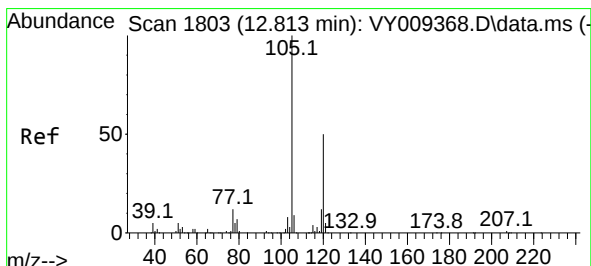
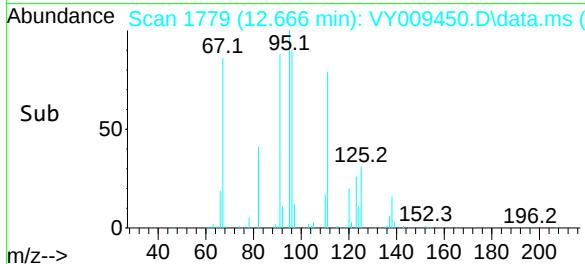
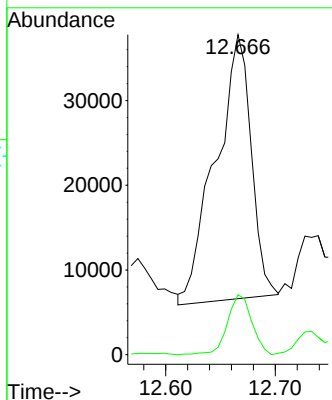
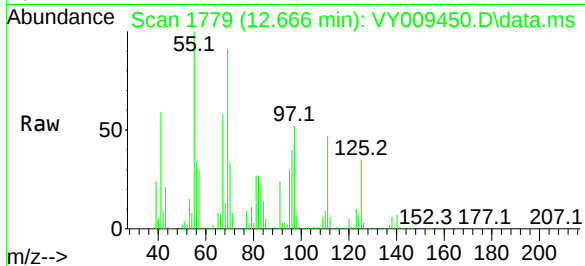




#78
n-propylbenzene
Concen: 7.312 ug/l
RT: 12.666 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

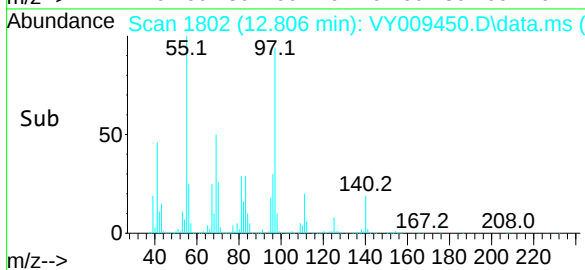
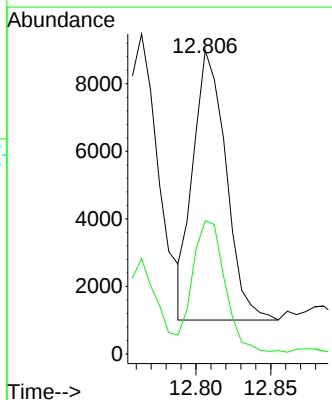
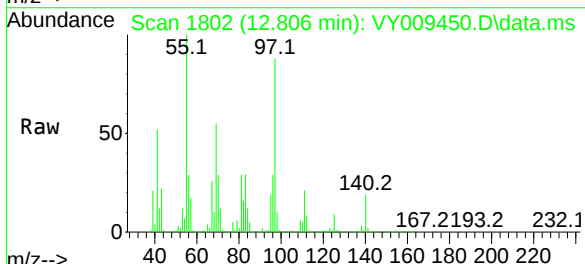
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-5

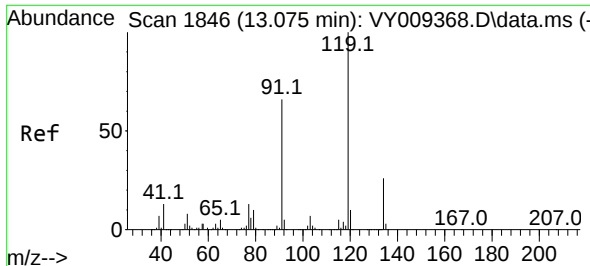
Tgt Ion: 91 Resp: 70429
Ion Ratio Lower Upper
91 100
120 15.5 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 1.839 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

Tgt Ion: 105 Resp: 12176
Ion Ratio Lower Upper
105 100
120 47.2 24.4 73.4

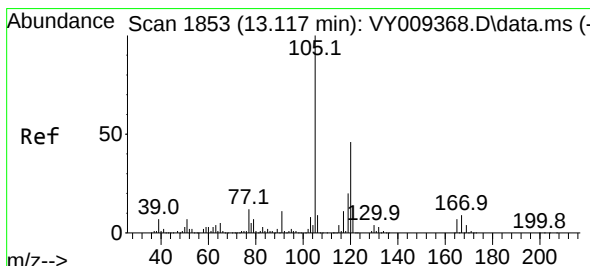
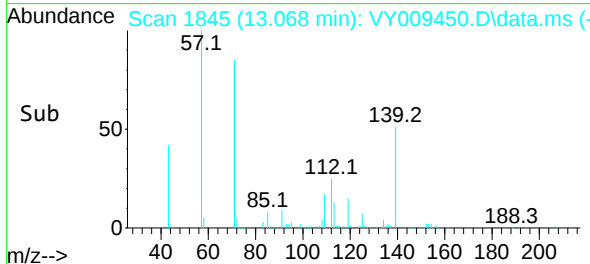
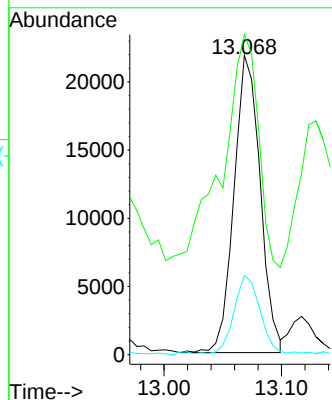
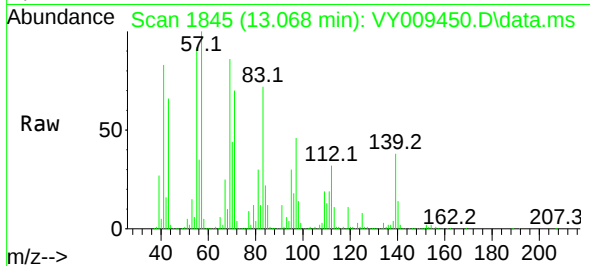




#83
tert-Butylbenzene
Concen: 6.075 ug/l
RT: 13.068 min Scan# 1845
Delta R.T. -0.007 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

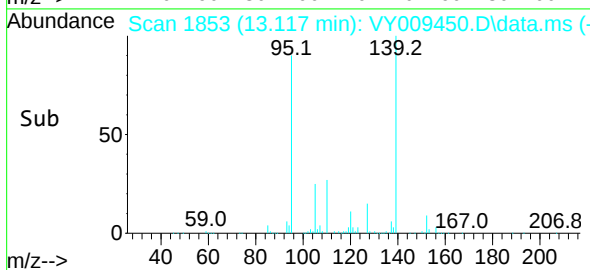
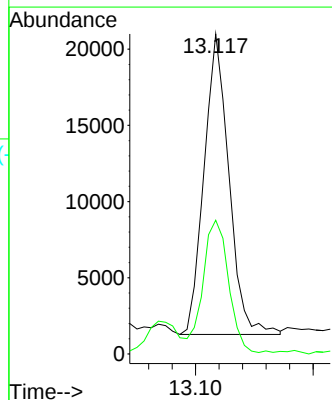
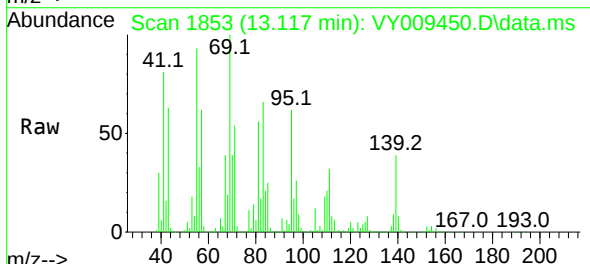
Instrument :
MSVOA_Y
ClientSampleId :
WC-16-2-5

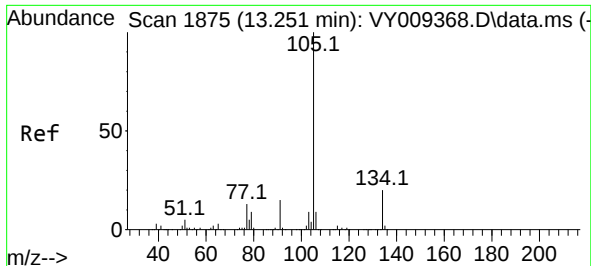
Tgt Ion:119 Resp: 33802
Ion Ratio Lower Upper
119 100
91 107.9 34.8 104.4#
134 26.0 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 4.601 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009450.D
Acq: 06 Jul 2022 13:44

Tgt Ion:105 Resp: 28956
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.9

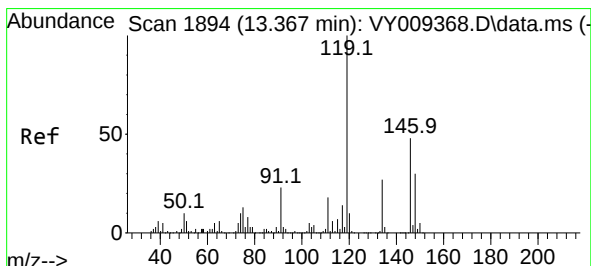
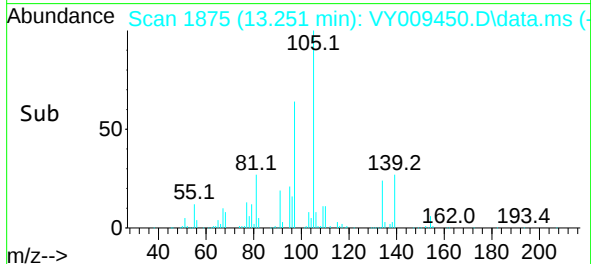
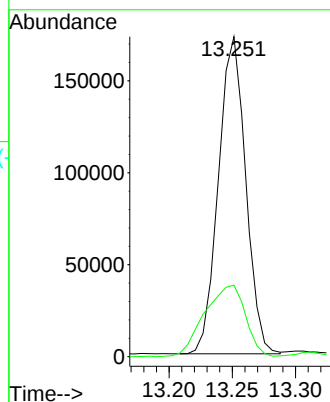
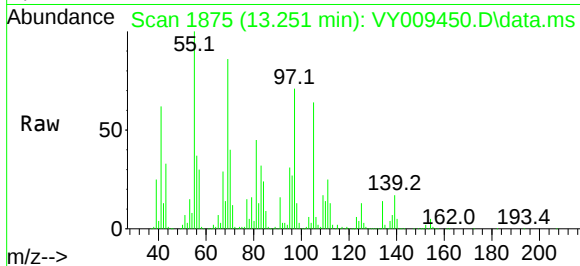




#85
 sec-Butylbenzene
 Concen: 30.862 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY009450.D
 Acq: 06 Jul 2022 13:44

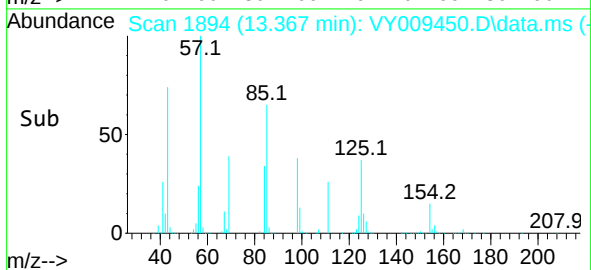
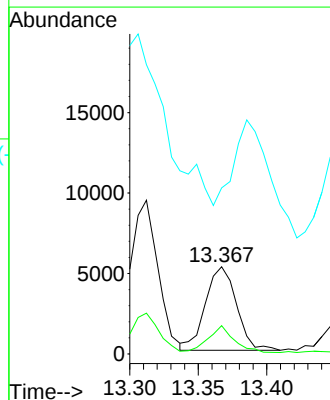
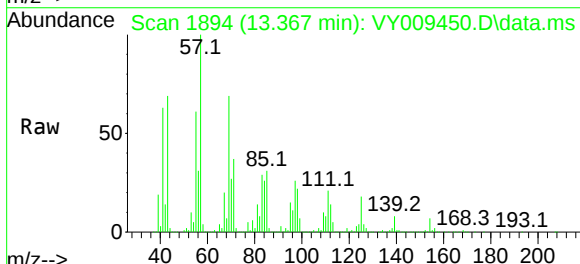
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-16-2-5

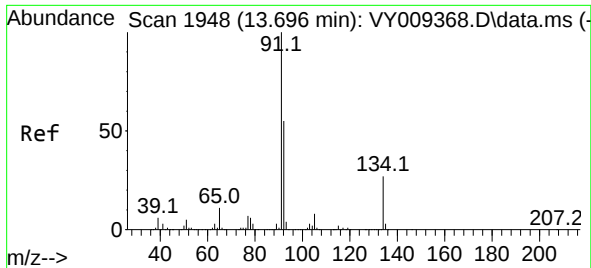
Tgt Ion:105 Resp: 258615
 Ion Ratio Lower Upper
 105 100
 134 33.9 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 1.163 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY009450.D
 Acq: 06 Jul 2022 13:44

Tgt Ion:119 Resp: 8195
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.2 39.5#
 91 172.2 12.4 37.2#





#89

n-Butylbenzene

Concen: 23.977 ug/l

RT: 13.690 min Scan# 1947

Delta R.T. -0.006 min

Lab File: VY009450.D

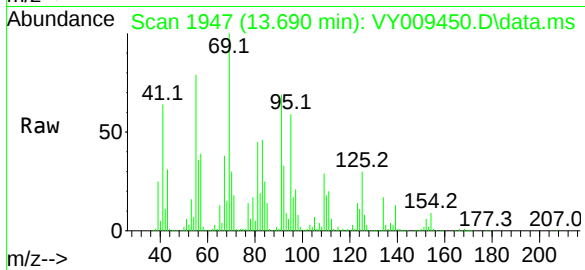
Acq: 06 Jul 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

WC-16-2-5



Tgt Ion: 91 Resp: 158754

Ion Ratio Lower Upper

91 100

92 51.8 26.3 78.9

134 35.2 13.0 38.9

