

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015816.D
 Acq On : 03 Oct 2023 19:17
 Operator : SY/MD
 Sample : 04704-04
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-3(10-15)

Quant Time: Oct 04 01:15:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

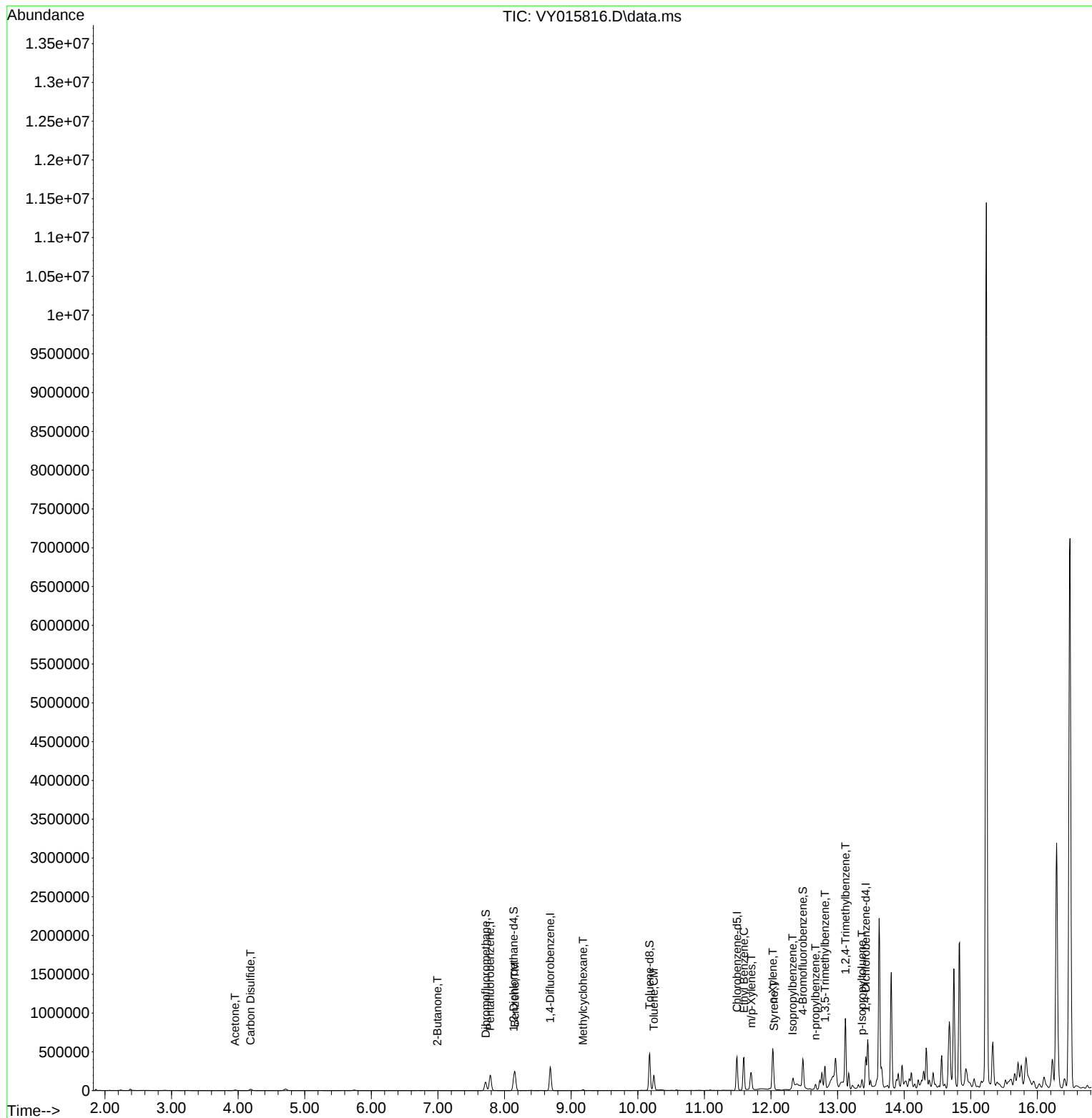
Internal Standards						
1) Pentafluorobenzene	7.783	168	156492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	261385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	233848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	93241	54.152	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.300%	
35) Dibromofluoromethane	7.716	113	78309	50.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.100%	
50) Toluene-d8	10.179	98	308181	58.097	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.200%	
62) 4-Bromofluorobenzene	12.477	95	103896	49.909	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.820%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	15806	17.153	ug/l	93
17) Carbon Disulfide	4.186	76	36419	13.617	ug/l	96
25) 2-Butanone	6.990	43	4139	3.178	ug/l	95
39) Methylcyclohexane	9.179	83	5093	1.991	ug/l #	90
40) Benzene	8.155	78	184841	26.203	ug/l	99
52) Toluene	10.240	92	77896	17.128	ug/l	96
67) Ethyl Benzene	11.593	91	290197	32.526	ug/l	99
68) m/p-Xylenes	11.703	106	70713	20.852	ug/l	95
69) o-Xylene	12.026	106	133449	40.132	ug/l	98
70) Styrene	12.044	104	46549	8.178	ug/l #	65
73) Isopropylbenzene	12.325	105	51807	6.433	ug/l	99
78) n-propylbenzene	12.666	91	53786	5.498	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	146466	21.726	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	463270	68.680	ug/l	97
86) p-Isopropyltoluene	13.367	119	44195	5.988	ug/l	95

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

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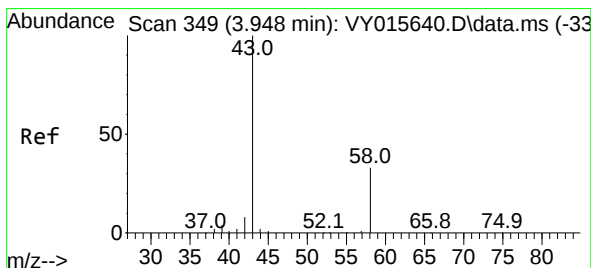
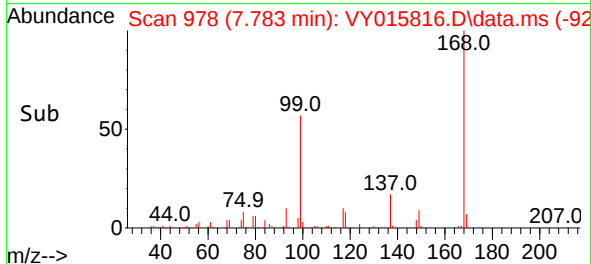
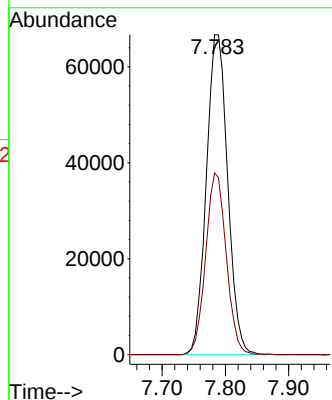
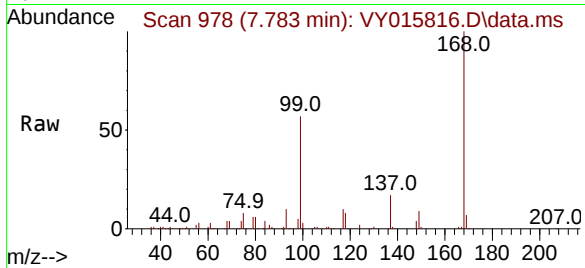




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

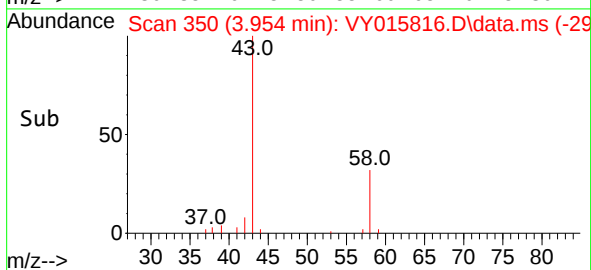
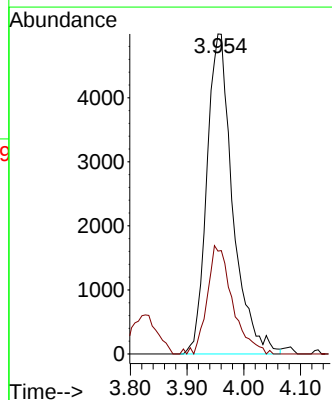
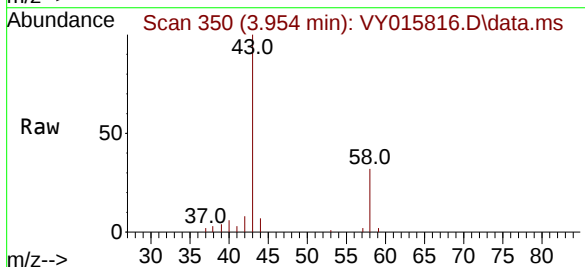
Instrument :
MSVOA_Y
ClientSampleId :
R-3(10-15)

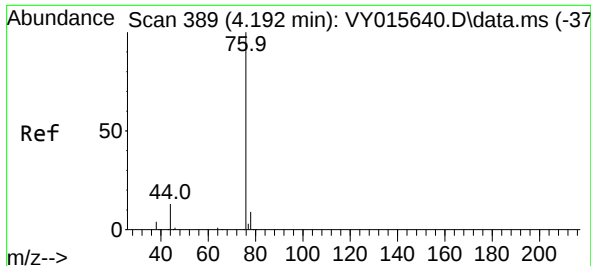
Tgt Ion:168 Resp: 156492
Ion Ratio Lower Upper
168 100
99 56.8 43.4 65.0



#16
Acetone
Concen: 17.153 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

Tgt Ion: 43 Resp: 15806
Ion Ratio Lower Upper
43 100
58 32.1 22.7 34.1

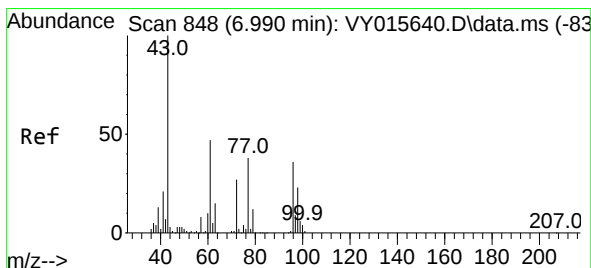
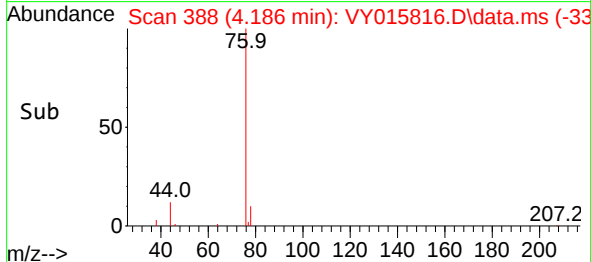
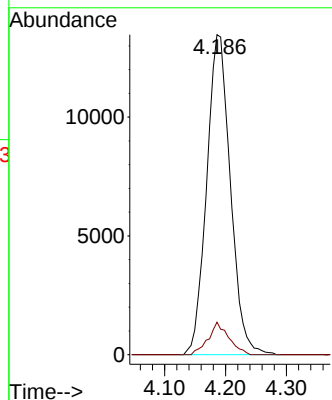
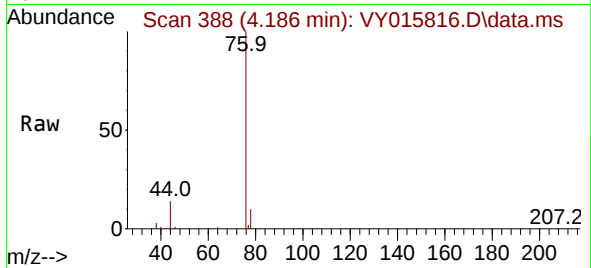




#17
Carbon Disulfide
Concen: 13.617 ug/l
RT: 4.186 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

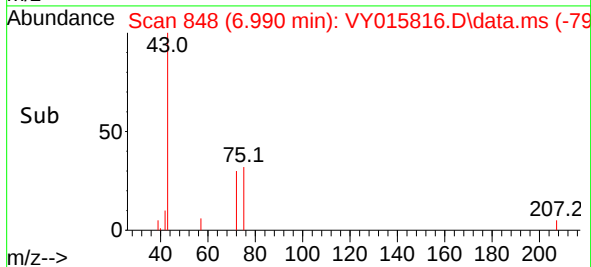
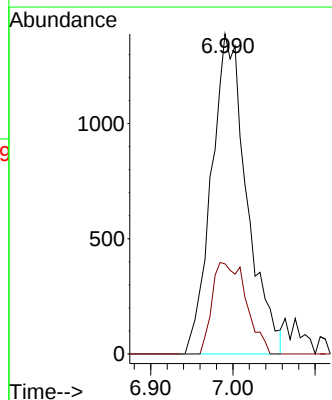
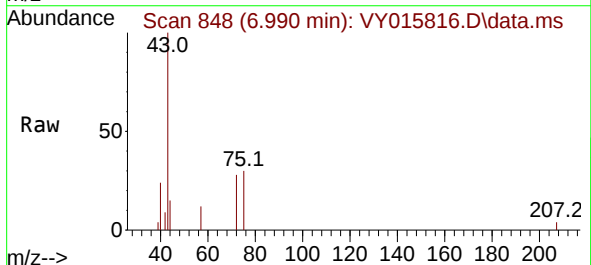
Instrument :
MSVOA_Y
ClientSampleId :
R-3(10-15)

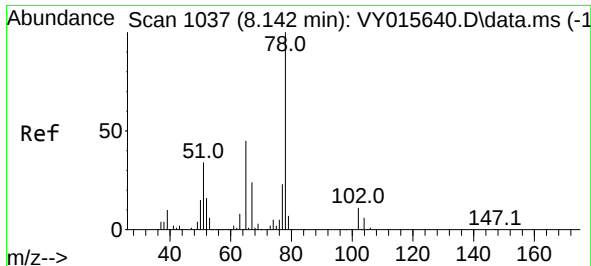
Tgt Ion: 76 Resp: 36419
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.4



#25
2-Butanone
Concen: 3.178 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

Tgt Ion: 43 Resp: 4139
Ion Ratio Lower Upper
43 100
72 28.1 20.5 30.7

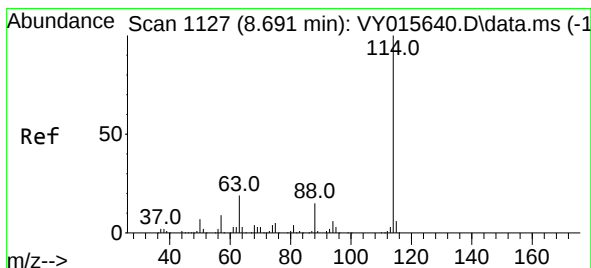
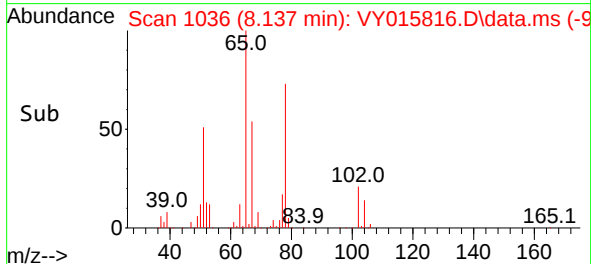
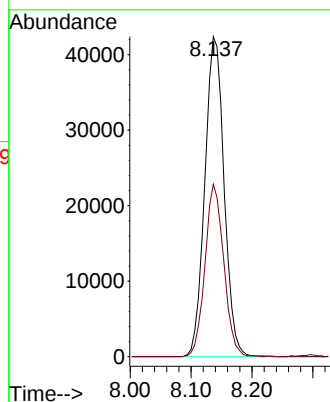
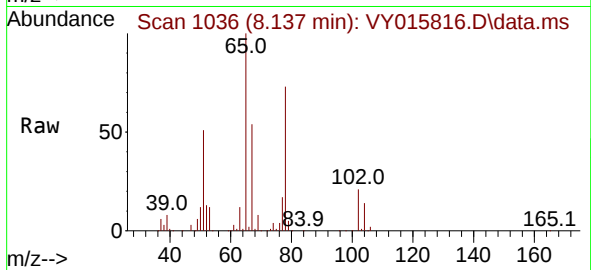




#33
 1,2-Dichloroethane-d4
 Concen: 54.152 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY015816.D
 Acq: 03 Oct 2023 19:17

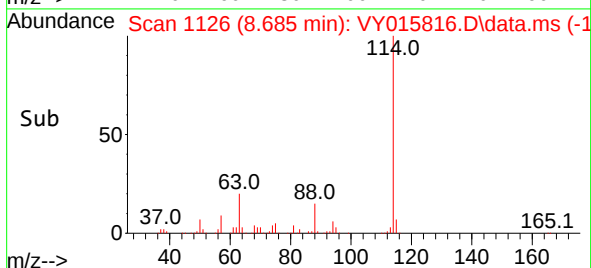
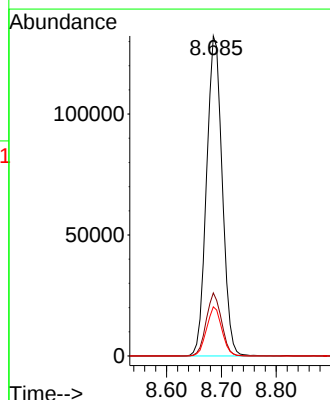
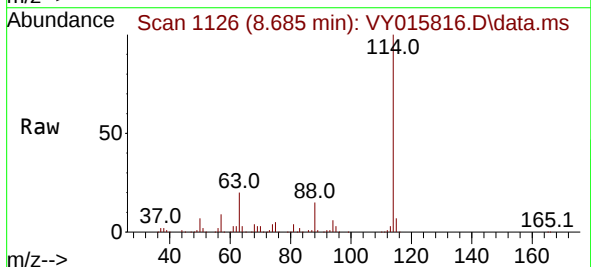
Instrument :
 MSVOA_Y
 ClientSampleId :
 R-3(10-15)

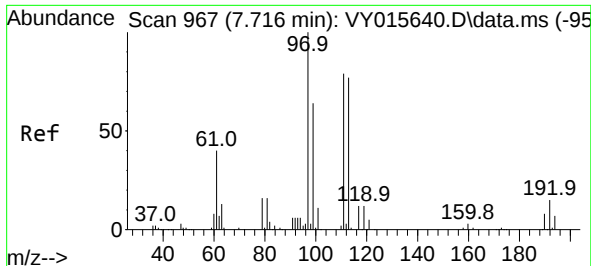
Tgt Ion: 65 Resp: 93241
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY015816.D
 Acq: 03 Oct 2023 19:17

Tgt Ion: 114 Resp: 261385
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.4
 88 15.3 0.0 30.6

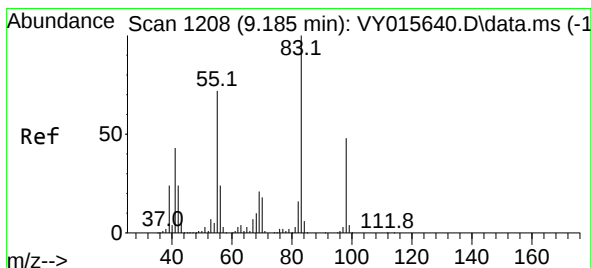
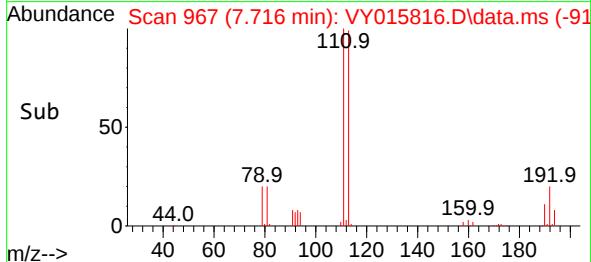
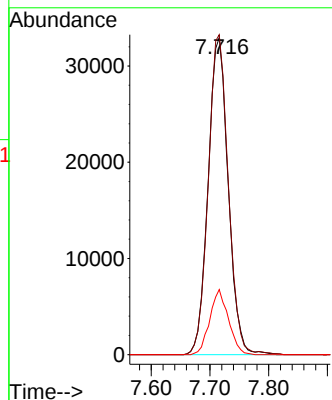
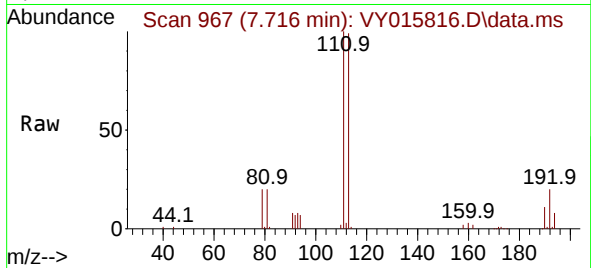




#35
Dibromofluoromethane
Concen: 50.054 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

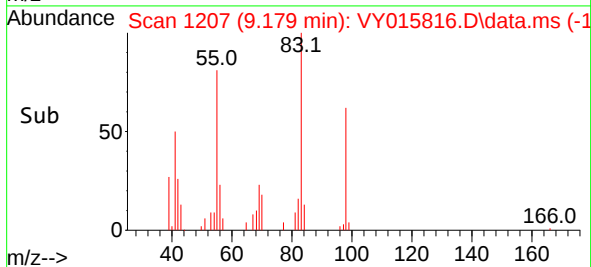
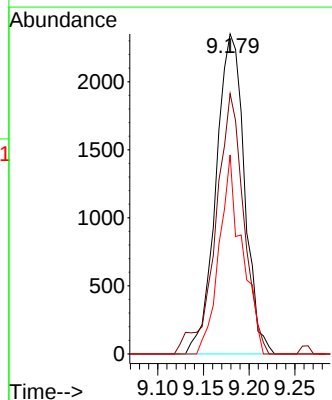
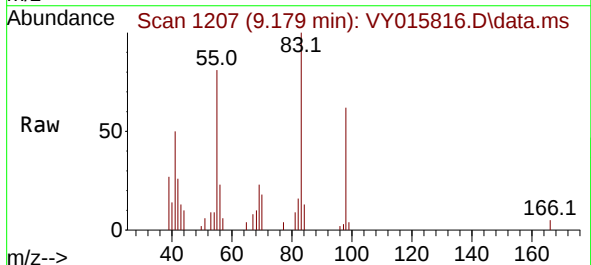
Instrument :
MSVOA_Y
ClientSampleId :
R-3(10-15)

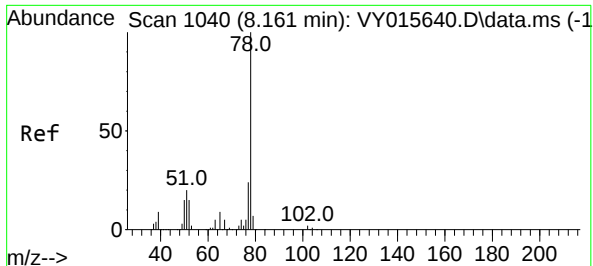
Tgt Ion:113 Resp: 78309
Ion Ratio Lower Upper
113 100
111 100.8 81.3 121.9
192 19.1 16.9 25.3



#39
Methylcyclohexane
Concen: 1.991 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

Tgt Ion: 83 Resp: 5093
Ion Ratio Lower Upper
83 100
55 81.3 63.0 94.4
98 62.2 37.4 56.2#

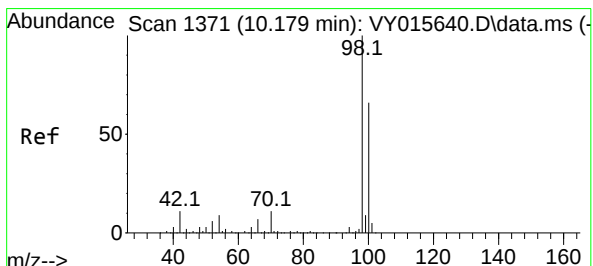
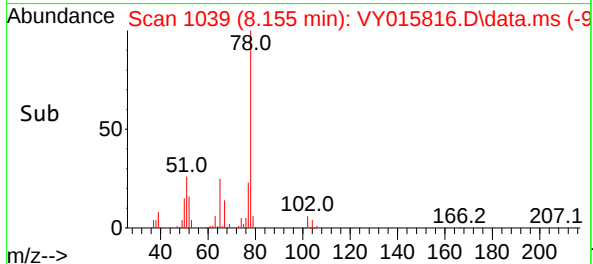
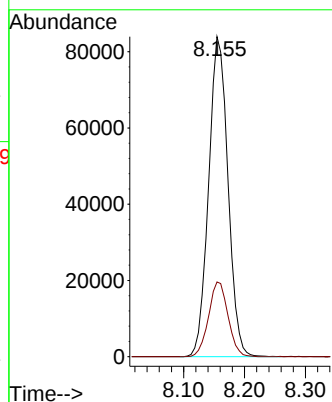
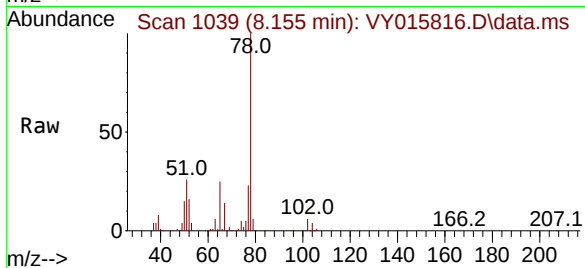




#40
Benzene
Concen: 26.203 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

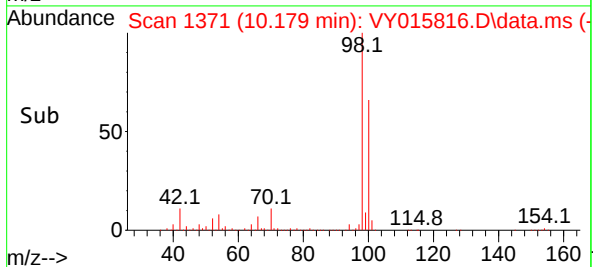
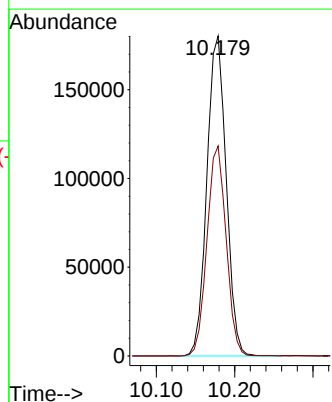
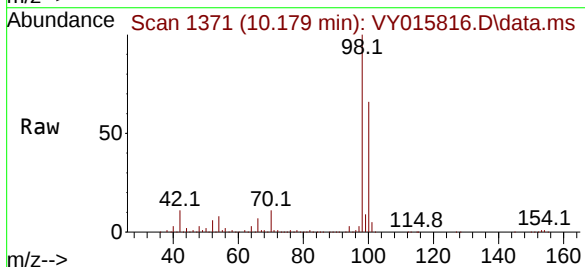
Instrument :
MSVOA_Y
ClientSampleId :
R-3(10-15)

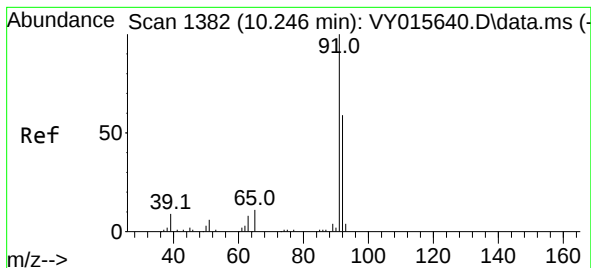
Tgt Ion: 78 Resp: 184841
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6



#50
Toluene-d8
Concen: 58.097 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

Tgt Ion: 98 Resp: 308181
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1





#52

Toluene

Concen: 17.128 ug/l

RT: 10.240 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015816.D

Acq: 03 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

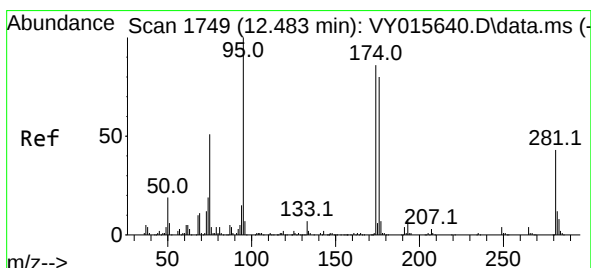
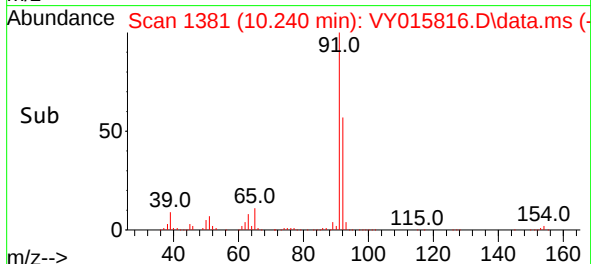
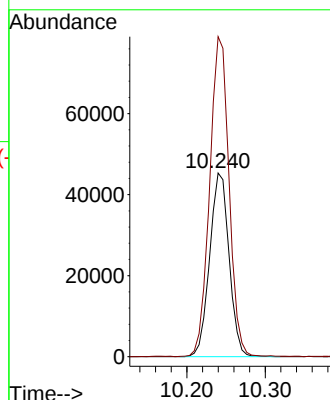
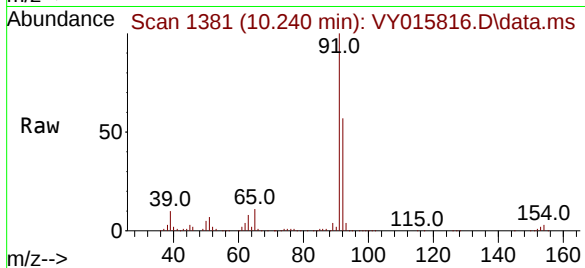
R-3(10-15)

Tgt Ion: 92 Resp: 77896

Ion Ratio Lower Upper

92 100

91 173.8 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 49.909 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015816.D

Acq: 03 Oct 2023 19:17

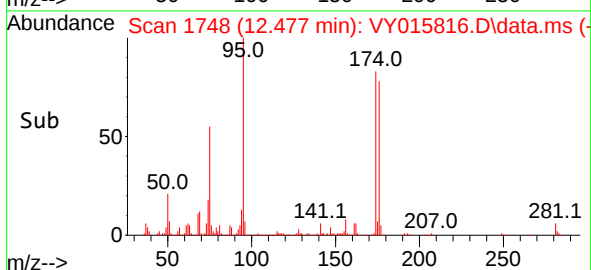
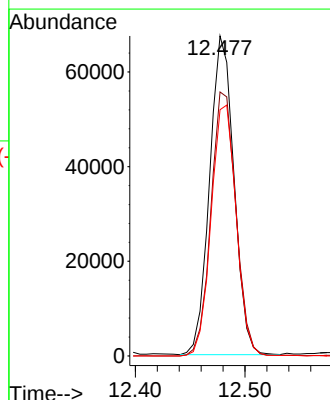
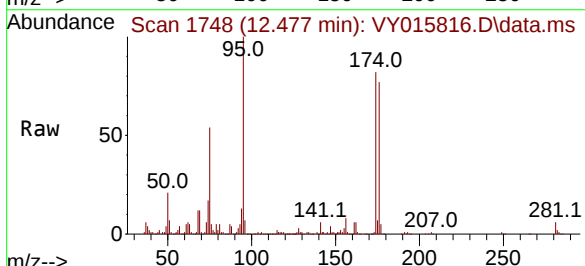
Tgt Ion: 95 Resp: 103896

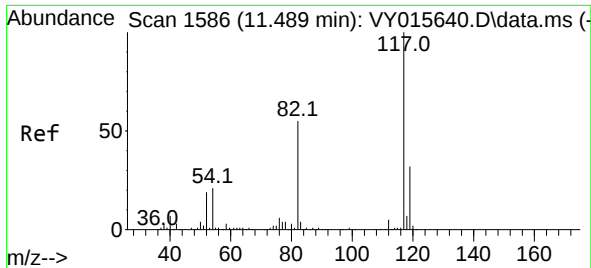
Ion Ratio Lower Upper

95 100

174 85.1 0.0 178.2

176 81.3 0.0 173.8

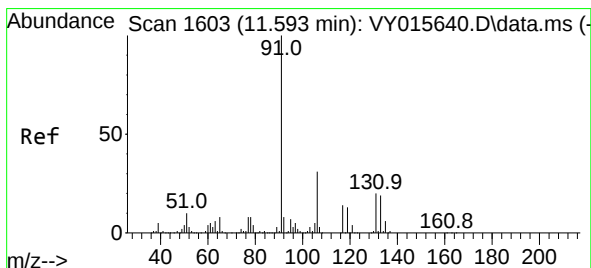
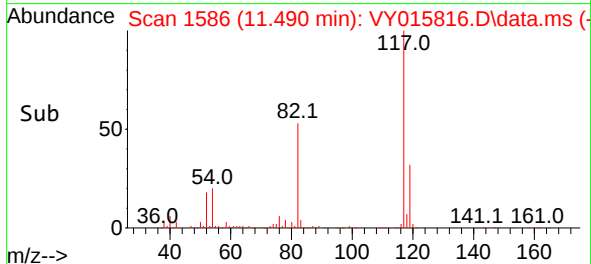
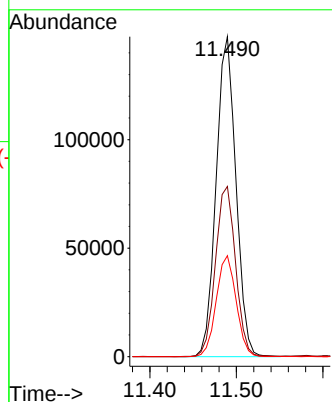
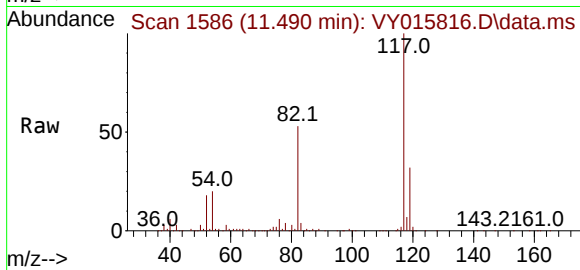




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

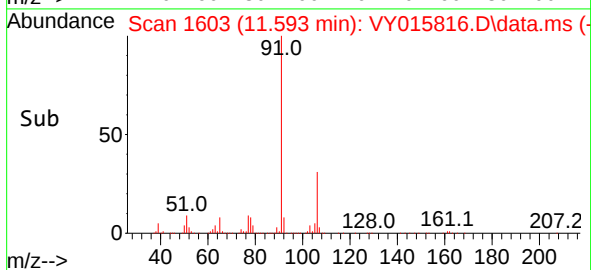
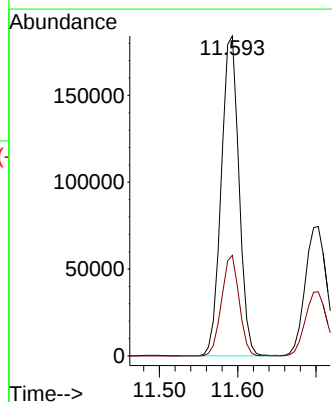
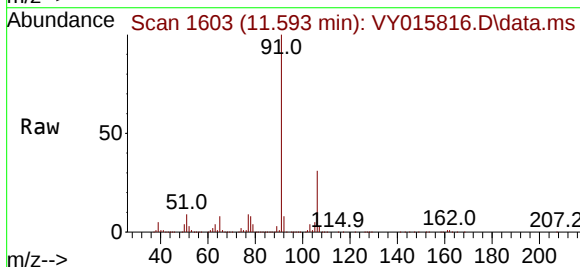
Instrument :
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R-3(10-15)

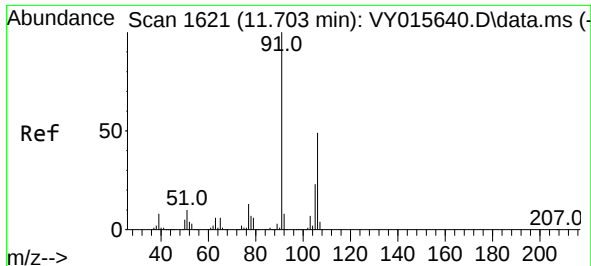
Tgt Ion:117 Resp: 233848
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.5 26.3 39.5



#67
Ethyl Benzene
Concen: 32.526 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

Tgt Ion: 91 Resp: 290197
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8

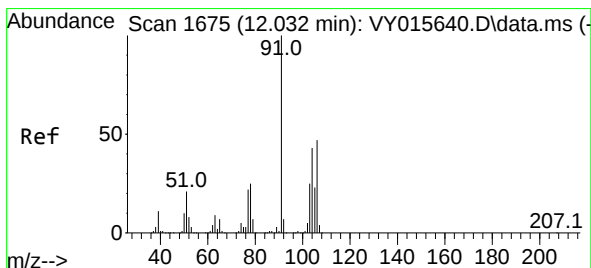
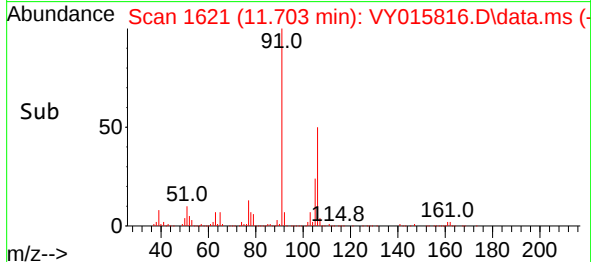
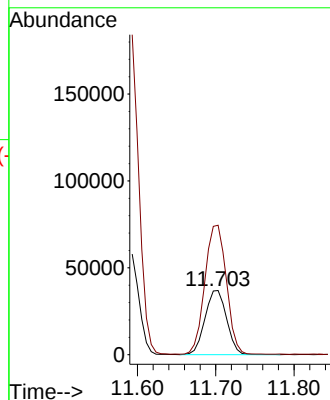
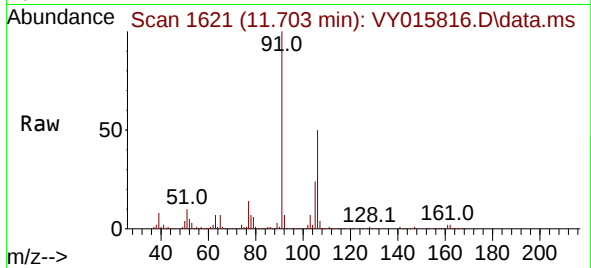




#68
m/p-Xylenes
Concen: 20.852 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

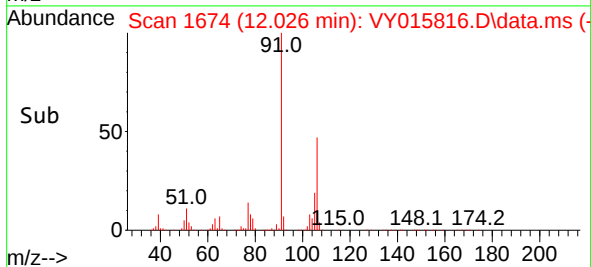
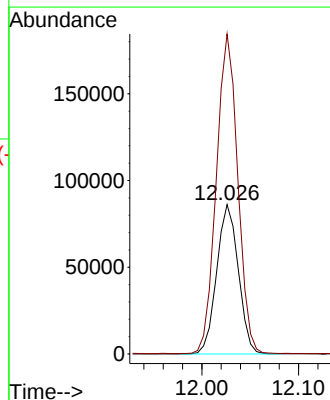
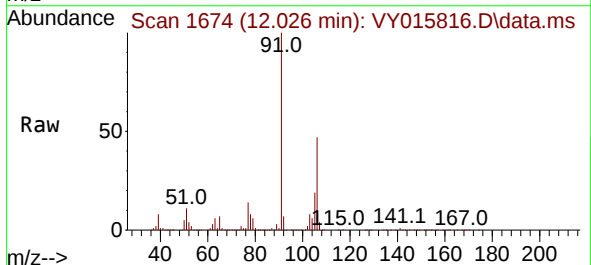
Instrument :
MSVOA_Y
ClientSampleId :
R-3(10-15)

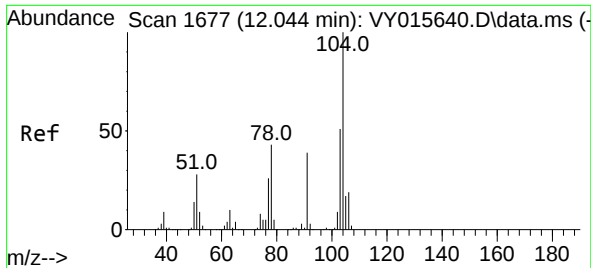
Tgt Ion:106 Resp: 70713
Ion Ratio Lower Upper
106 100
91 200.5 166.1 249.1



#69
o-Xylene
Concen: 40.132 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

Tgt Ion:106 Resp: 133449
Ion Ratio Lower Upper
106 100
91 212.4 108.1 324.3

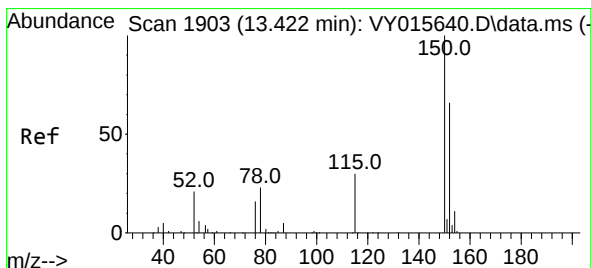
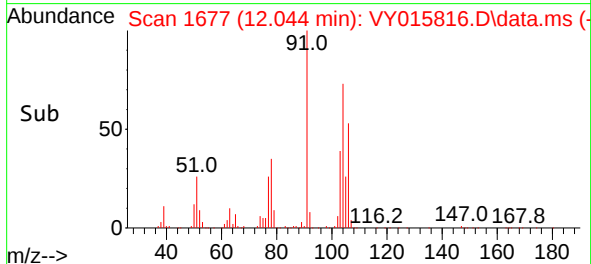
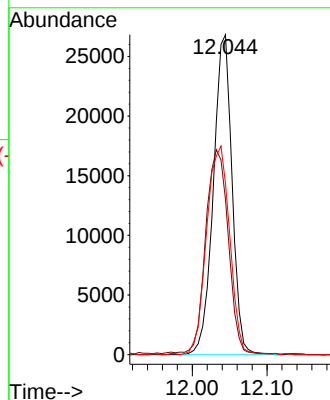
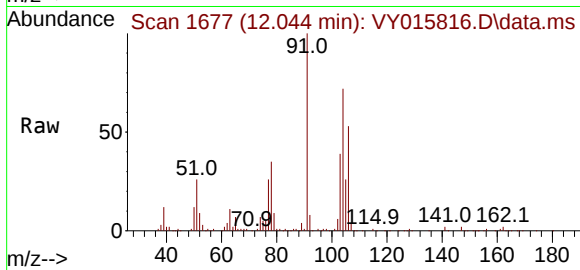




#70
Styrene
Concen: 8.178 ug/l
RT: 12.044 min Scan# 104
Delta R.T. 0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

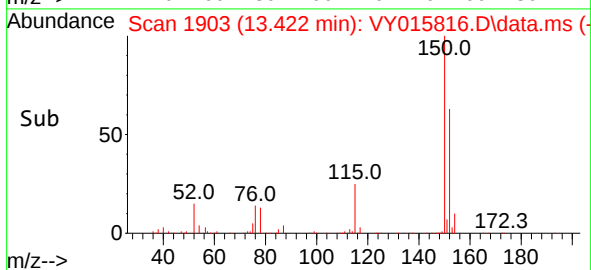
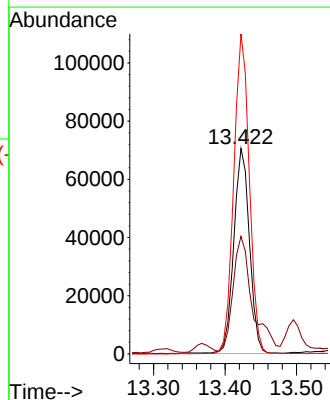
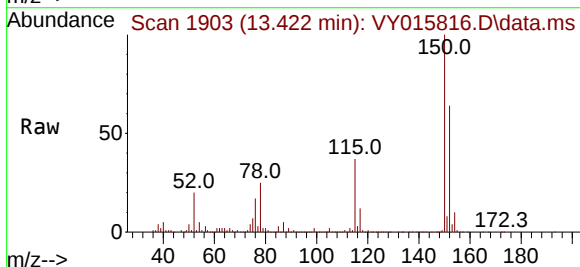
Instrument :
MSVOA_Y
ClientSampleId :
R-3(10-15)

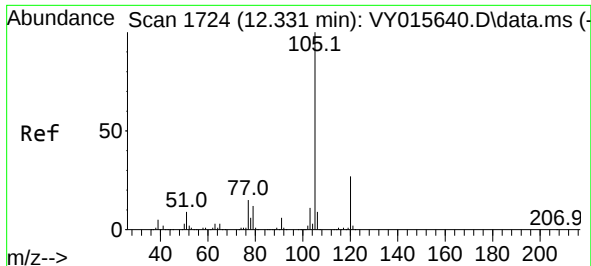
Tgt Ion:104 Resp: 46549
Ion Ratio Lower Upper
104 100
78 77.4 41.5 62.3#
103 80.9 44.6 67.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

Tgt Ion:152 Resp: 107345
Ion Ratio Lower Upper
152 100
115 68.4 28.8 86.5
150 155.4 0.0 348.8

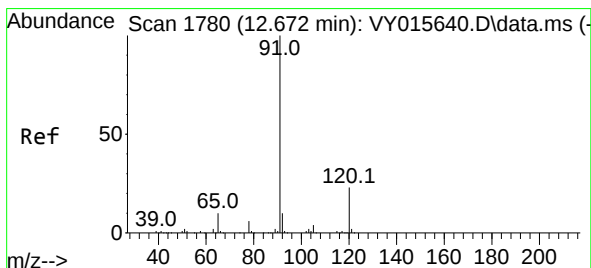
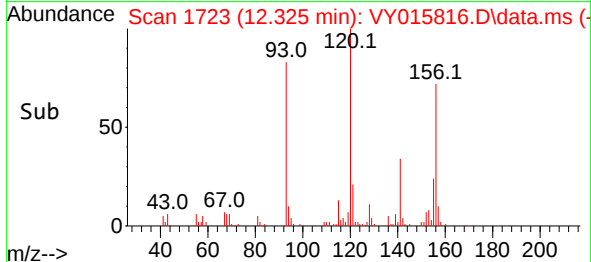
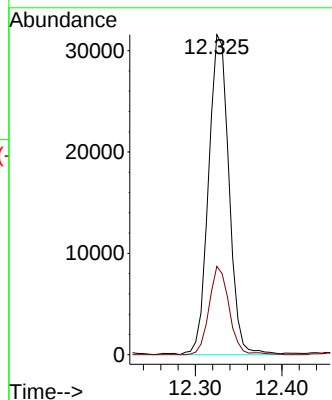
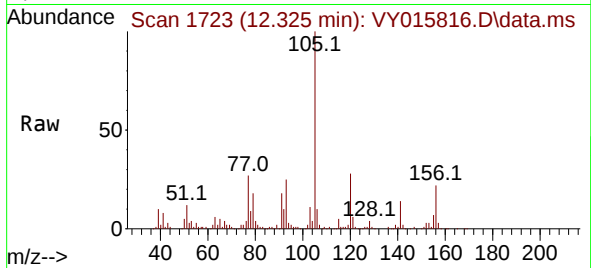




#73
Isopropylbenzene
Concen: 6.433 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

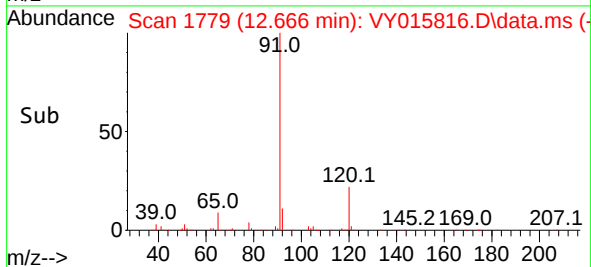
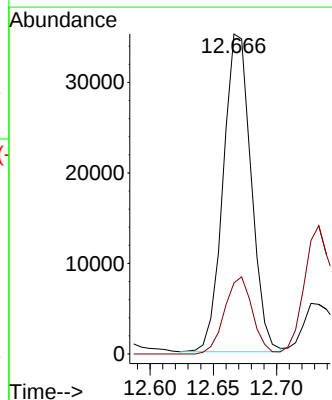
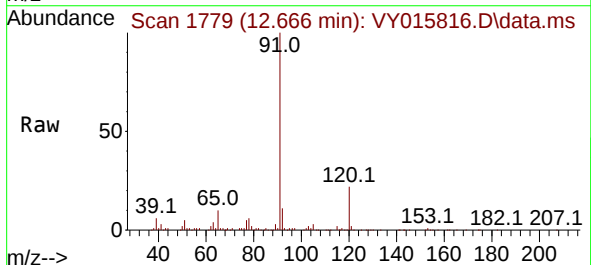
Instrument :
MSVOA_Y
ClientSampleId :
R-3(10-15)

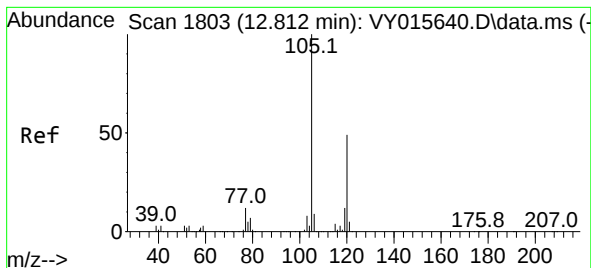
Tgt Ion:105 Resp: 51807
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9



#78
n-propylbenzene
Concen: 5.498 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY015816.D
Acq: 03 Oct 2023 19:17

Tgt Ion: 91 Resp: 53786
Ion Ratio Lower Upper
91 100
120 24.2 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 21.726 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.001 min

Lab File: VY015816.D

Acq: 03 Oct 2023 19:17

Instrument :

MSVOA_Y

ClientSampleId :

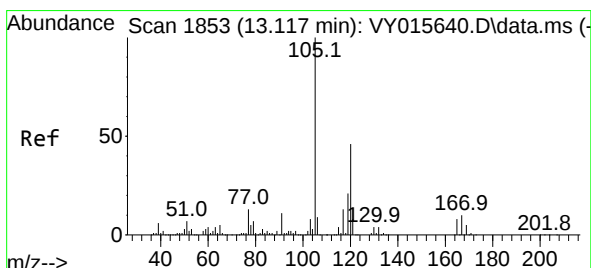
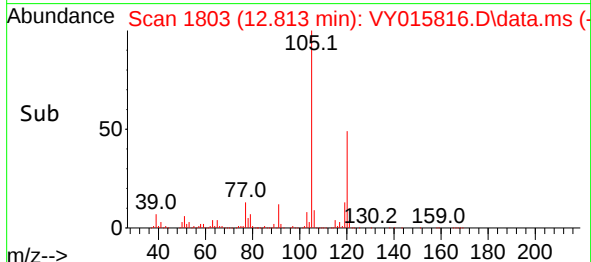
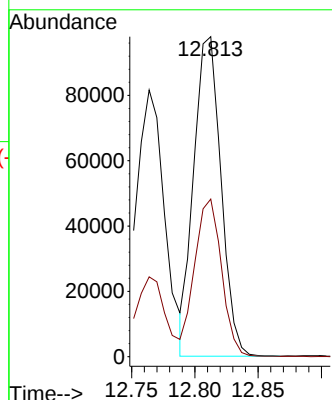
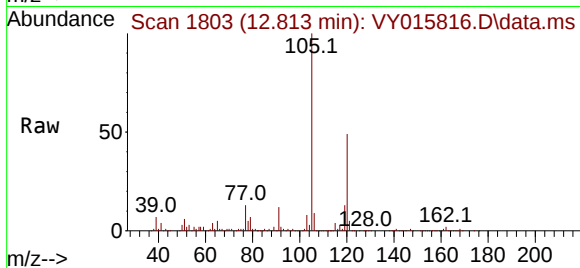
R-3(10-15)

Tgt Ion:105 Resp: 146466

Ion Ratio Lower Upper

105 100

120 48.9 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 68.680 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015816.D

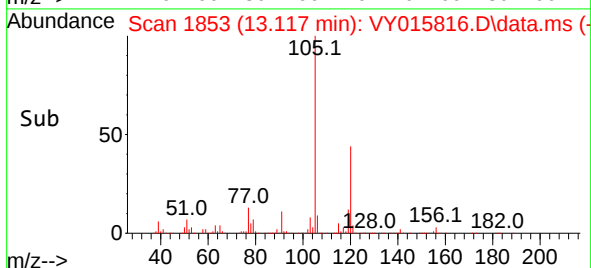
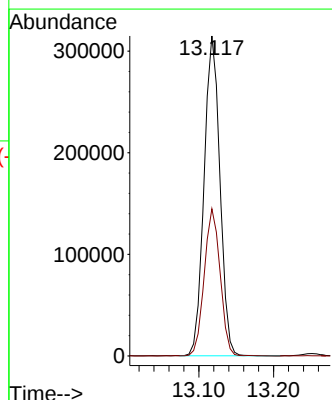
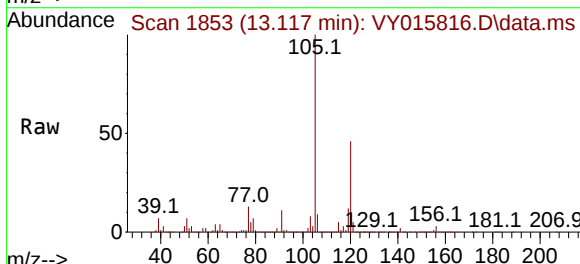
Acq: 03 Oct 2023 19:17

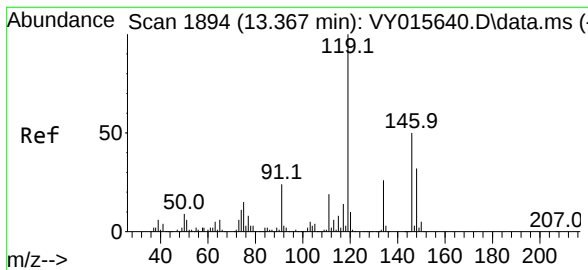
Tgt Ion:105 Resp: 463270

Ion Ratio Lower Upper

105 100

120 46.3 22.2 66.6





#86
 p-Isopropyltoluene
 Concen: 5.988 ug/l
 RT: 13.367 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VY015816.D
 Acq: 03 Oct 2023 19:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-3(10-15)

Tgt Ion:	119	Resp:	44195
Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.3	39.8
91	28.7	12.4	37.4

