

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120423\
 Data File : VY016584.D
 Acq On : 04 Dec 2023 18:07
 Operator : SY/MD
 Sample : 05538-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-112223

Quant Time: Dec 05 01:31:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	7619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	10964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	10199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	3513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.160	65	4416	62.709	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.420%			
35) Dibromofluoromethane	7.740	113	2543	38.541	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 77.080%			
50) Toluene-d8	10.197	98	12664	50.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.501	95	3746	45.641	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.280%			
Target Compounds					Qvalue	
3) Chloromethane	2.131	50	535	7.663	ug/l #	72
4) Vinyl Chloride	2.277	62	160	2.269	ug/l #	44
5) Bromomethane	2.668	94	452	10.234	ug/l #	70
10) Methyl Iodide	4.125	142	687	8.723	ug/l #	88
15) Acrylonitrile	5.222	53	55	3.671	ug/l #	17
16) Acetone	3.972	43	201	12.613	ug/l #	46
20) Methylene Chloride	4.734	84	543	4.675	ug/l #	90
36) 1,1-Dichloropropene	7.801	75	470	4.686	ug/l #	41
38) Carbon Tetrachloride	7.801	117	666	5.736	ug/l #	12
51) 4-Methyl-2-Pentanone	10.087	43	96	2.282	ug/l #	39
52) Toluene	10.258	92	249	1.405	ug/l #	49
59) 2-Hexanone	10.855	43	51	1.602	ug/l #	27
60) Dibromochloromethane	10.733	129	177	2.549	ug/l #	11
65) Chlorobenzene	11.532	112	348	1.685	ug/l #	43
67) Ethyl Benzene	11.617	91	380	1.026	ug/l #	44
68) m/p-Xylenes	11.709	106	305	2.169	ug/l	76
73) Isopropylbenzene	12.337	105	303	1.165	ug/l #	64
76) 1,2,3-Trichloropropane	12.495	75	2004	63.150	ug/l #	100
77) Bromobenzene	12.629	156	202	3.295	ug/l	95
78) n-propylbenzene	12.690	91	548	1.810	ug/l #	71
79) 2-Chlorotoluene	12.775	91	292	1.711	ug/l	75
80) 1,3,5-Trimethylbenzene	12.824	105	408	1.930	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.495	75	2004	142.454	ug/l #	10
82) 4-Chlorotoluene	12.775	91	292	1.654	ug/l	75
83) tert-Butylbenzene	13.099	119	555	2.939	ug/l	71
84) 1,2,4-Trimethylbenzene	13.135	105	463	2.243	ug/l	80
85) sec-Butylbenzene	13.263	105	544	2.051	ug/l #	72
86) p-Isopropyltoluene	13.391	119	523	2.271	ug/l #	53
87) 1,3-Dichlorobenzene	13.385	146	383	3.273	ug/l	93
88) 1,4-Dichlorobenzene	13.458	146	494	4.301	ug/l	87
89) n-Butylbenzene	13.714	91	468	2.260	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	365	3.633	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.019	180	272	4.797	ug/l	69
94) Hexachlorobutadiene	15.123	225	235	6.560	ug/l	83
95) Naphthalene	15.257	128	659	7.116	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.440	180	374	8.583	ug/l #	84

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Quant Title : SW846 8260
QLast Update : Tue Dec 05 01:24:25 2023
Response via : Initial Calibration

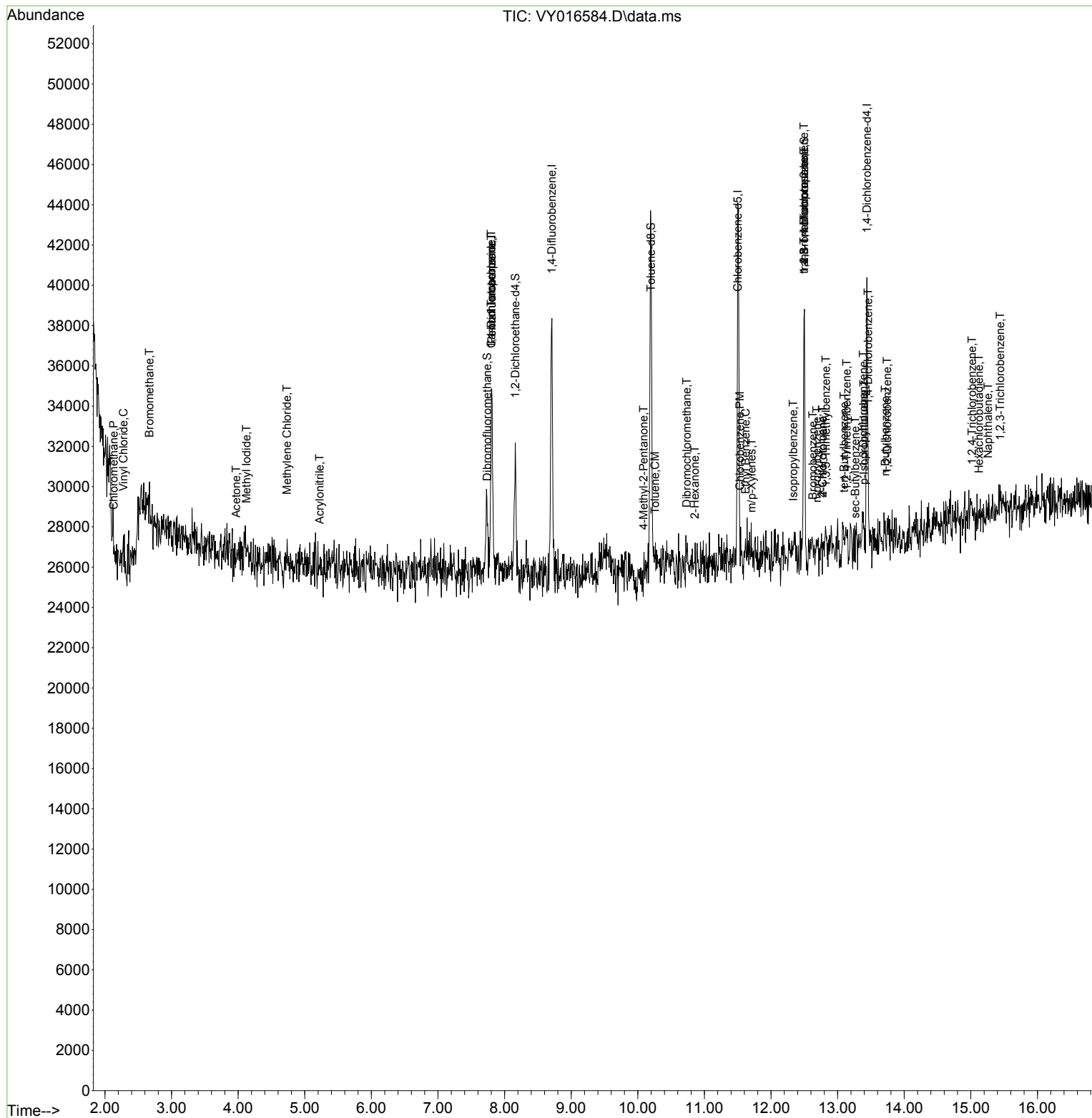
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

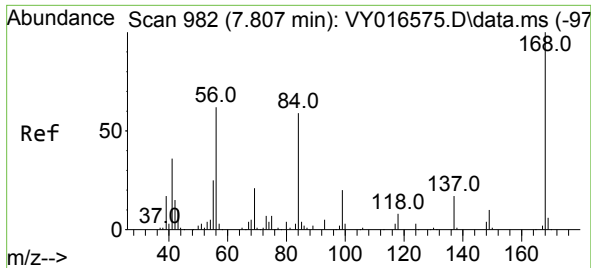
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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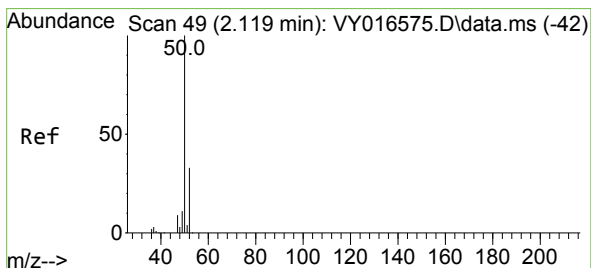
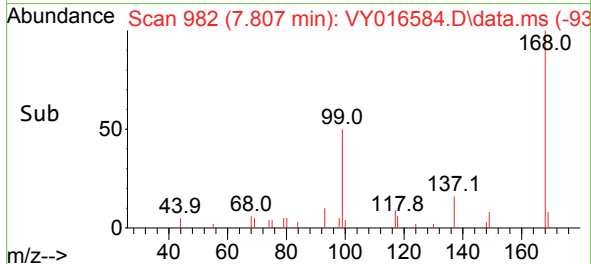
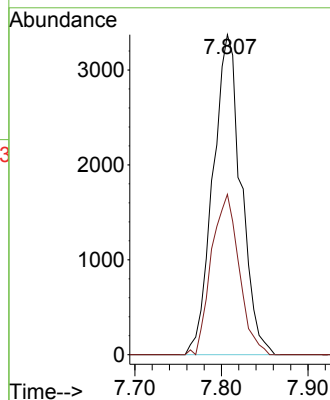
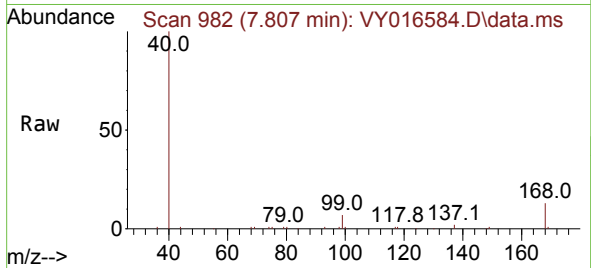




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

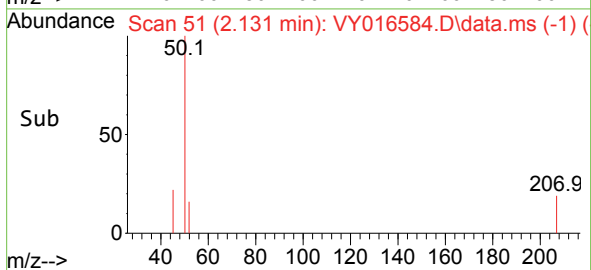
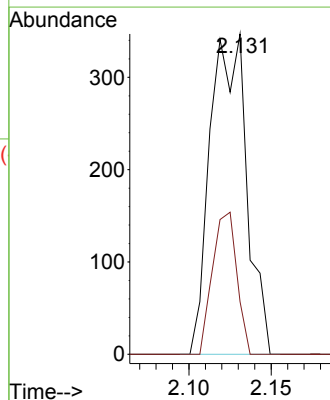
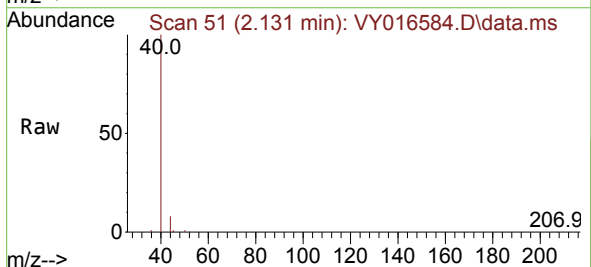
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-112223

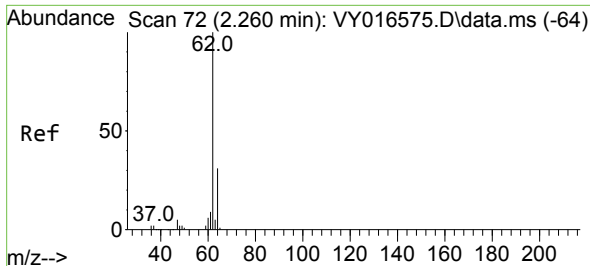
Tgt Ion:168 Resp: 7619
Ion Ratio Lower Upper
168 100
99 50.1 43.4 65.0



#3
Chloromethane
Concen: 7.663 ug/l
RT: 2.131 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

Tgt Ion: 50 Resp: 535
Ion Ratio Lower Upper
50 100
52 16.4 25.4 38.2#

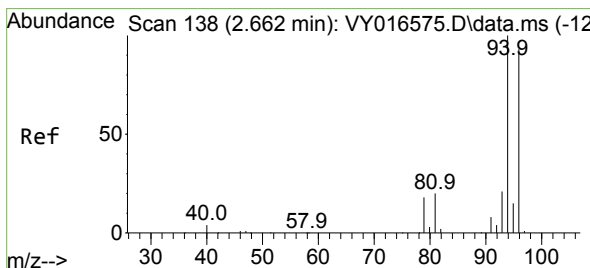
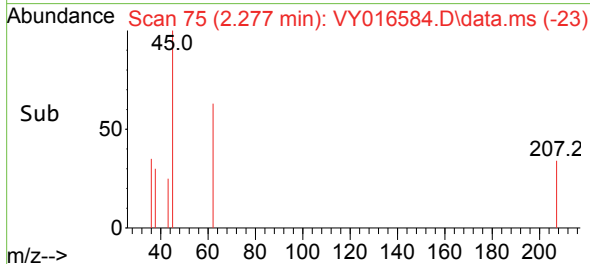
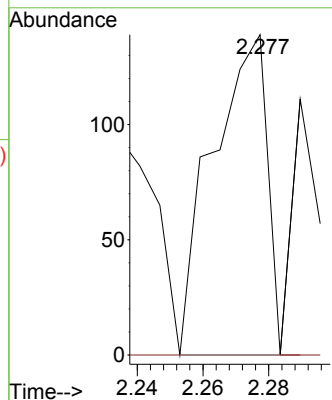
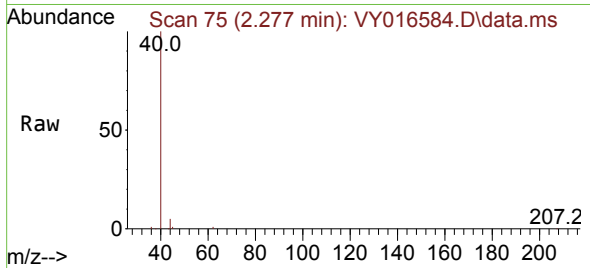




#4
Vinyl Chloride
Concen: 2.269 ug/l
RT: 2.277 min Scan# 71
Delta R.T. 0.018 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

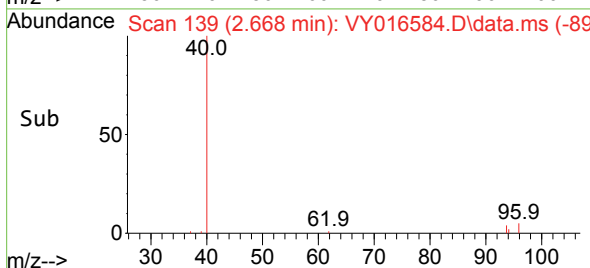
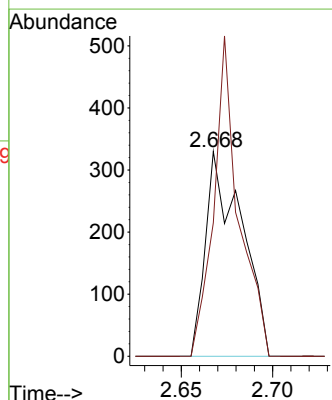
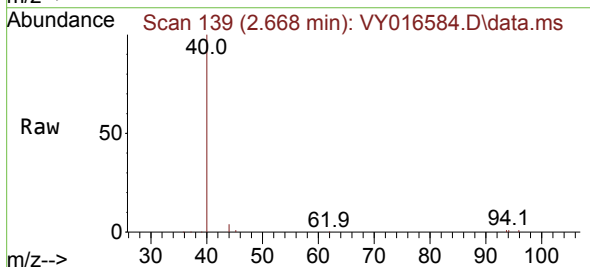
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-112223

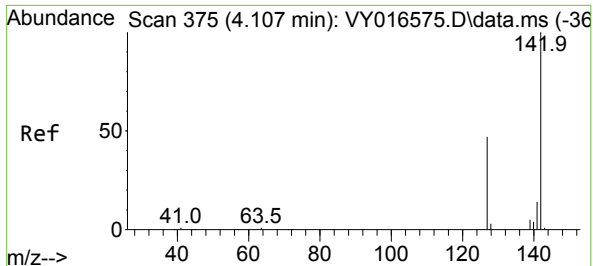
Tgt Ion: 62 Resp: 160
Ion Ratio Lower Upper
62 100
64 0.0 24.3 36.5#



#5
Bromomethane
Concen: 10.234 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.006 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

Tgt Ion: 94 Resp: 452
Ion Ratio Lower Upper
94 100
96 65.2 75.8 113.6#





#10

Methyl Iodide

Concen: 8.723 ug/l

RT: 4.125 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY016584.D

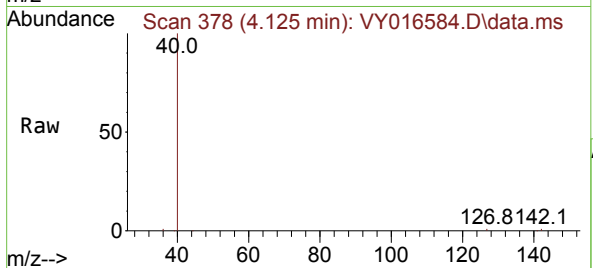
Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-112223



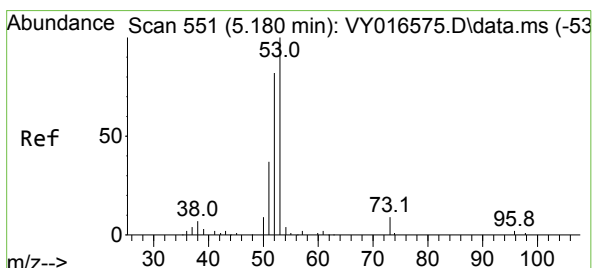
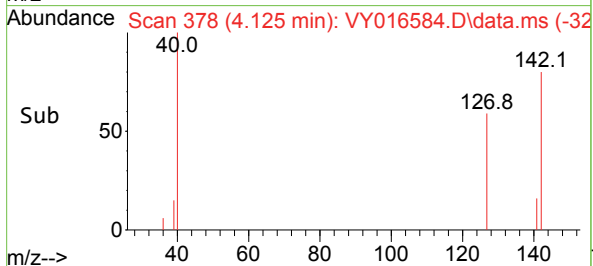
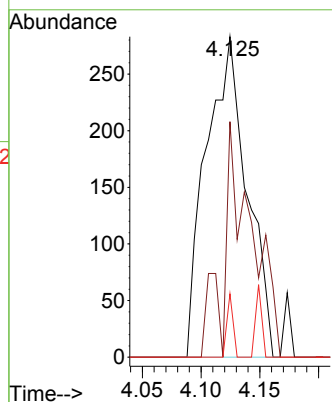
Tgt Ion:142 Resp: 687

Ion Ratio Lower Upper

142 100

127 51.4 37.6 56.4

141 2.9 11.8 17.8#



#15

Acrylonitrile

Concen: 3.671 ug/l

RT: 5.222 min Scan# 558

Delta R.T. 0.042 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

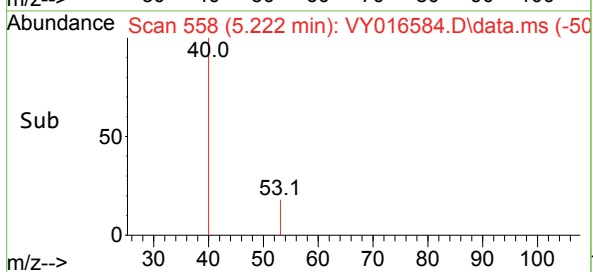
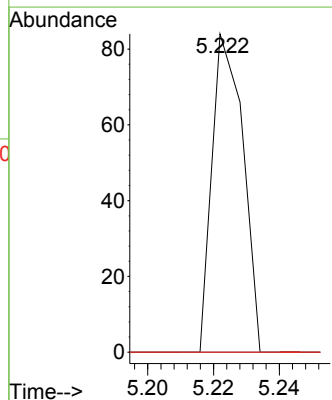
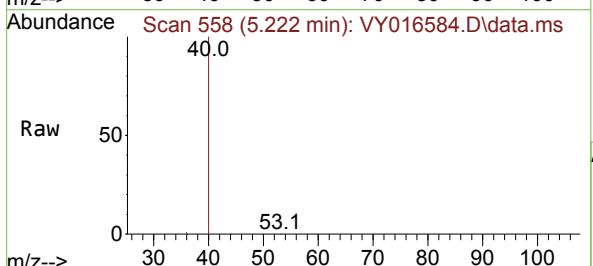
Tgt Ion: 53 Resp: 55

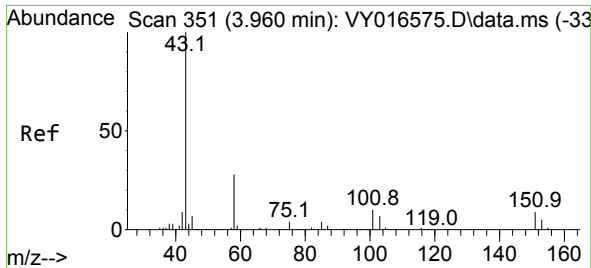
Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 0.0 29.8 44.6#





#16

Acetone

Concen: 12.613 ug/l

RT: 3.972 min Scan# 353

Delta R.T. 0.012 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

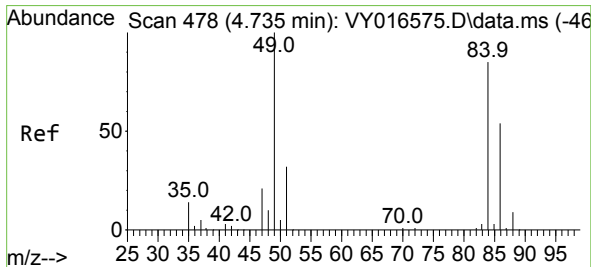
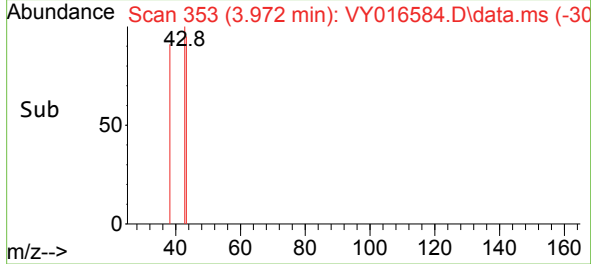
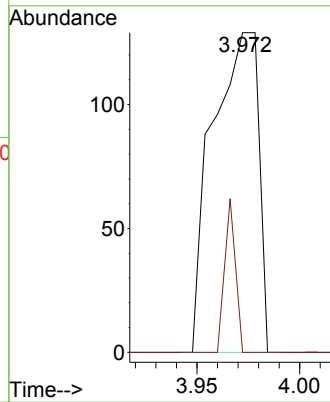
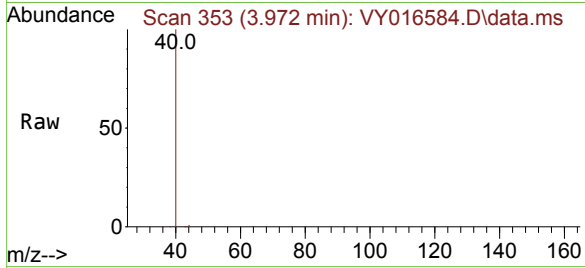
HR-02-112223

Tgt Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: 4.675 ug/l

RT: 4.734 min Scan# 478

Delta R.T. -0.001 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Tgt Ion: 84 Resp: 543

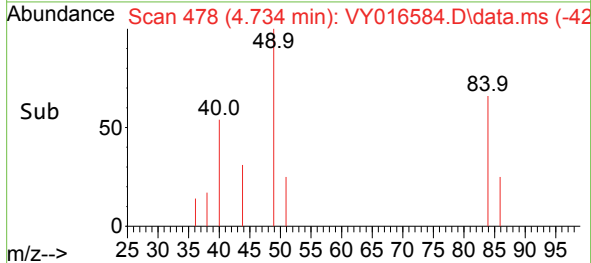
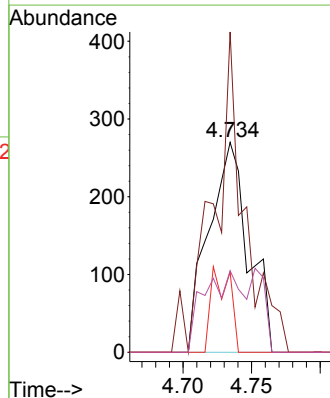
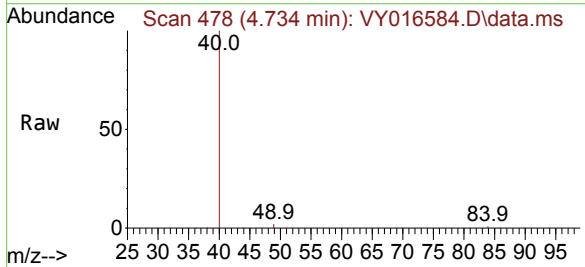
Ion Ratio Lower Upper

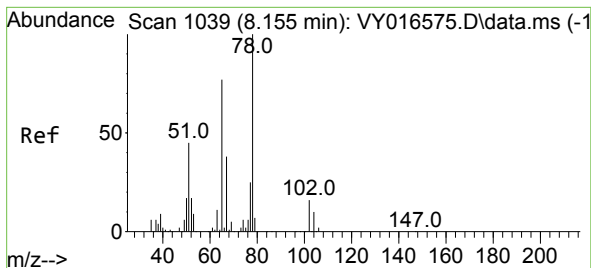
84 100

49 133.3 106.9 160.3

51 38.1 33.2 49.8

86 38.9 51.0 76.6#





#33

1,2-Dichloroethane-d4

Concen: 62.709 ug/l

RT: 8.160 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

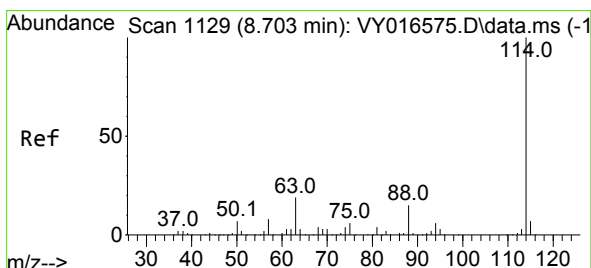
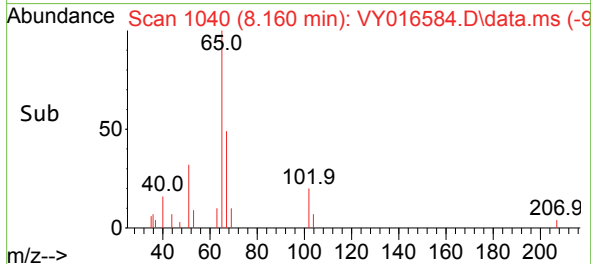
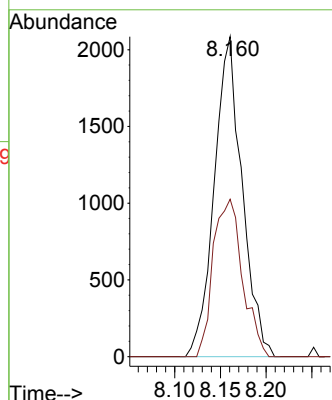
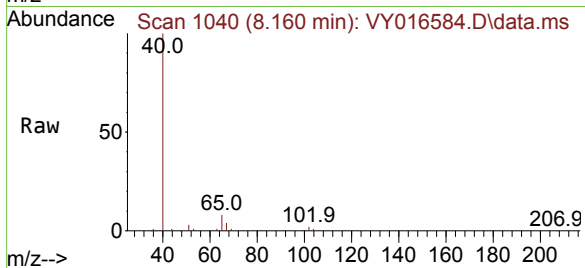
HR-02-112223

Tgt Ion: 65 Resp: 4416

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

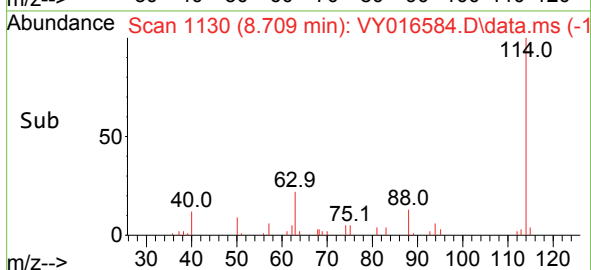
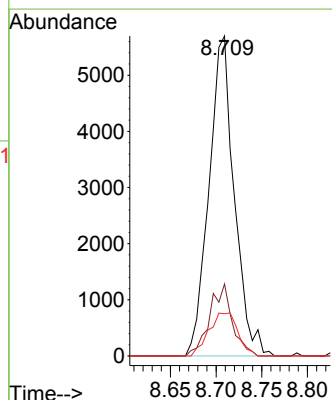
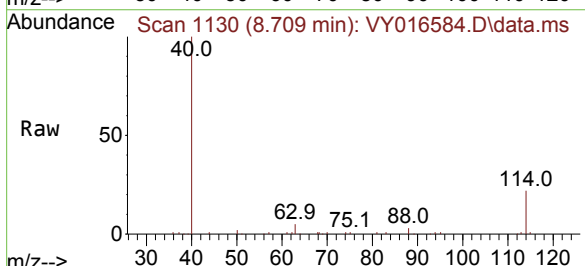
Tgt Ion: 114 Resp: 10964

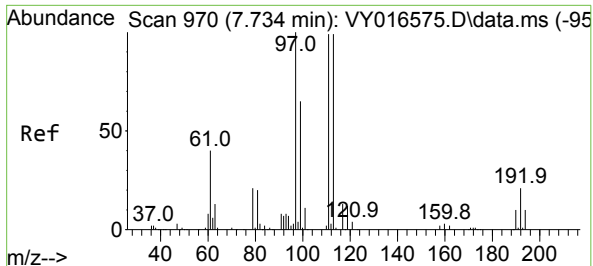
Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.4

88 13.2 0.0 30.6

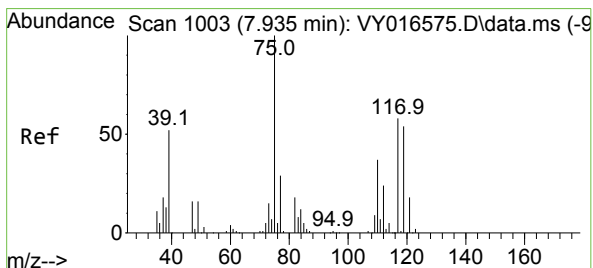
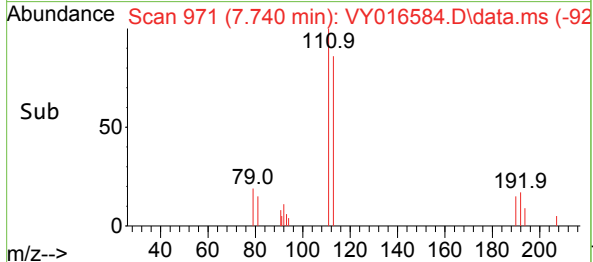
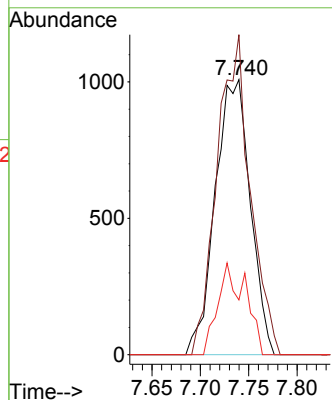
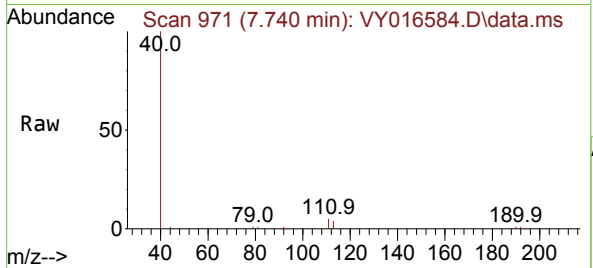




#35
Dibromofluoromethane
Concen: 38.541 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

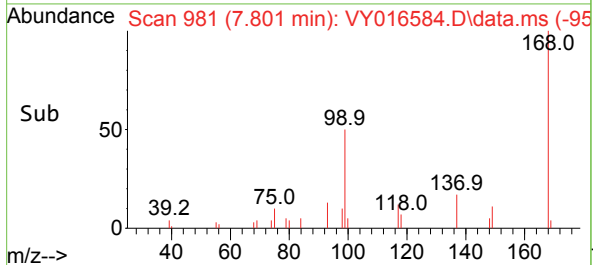
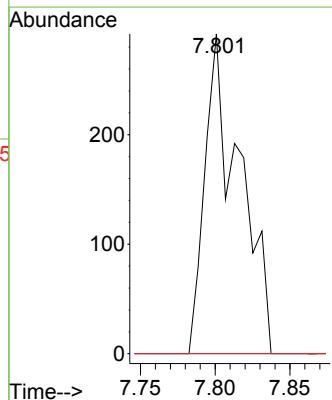
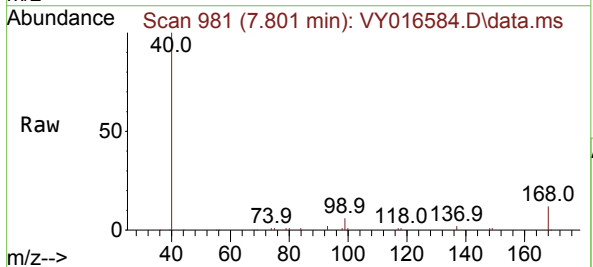
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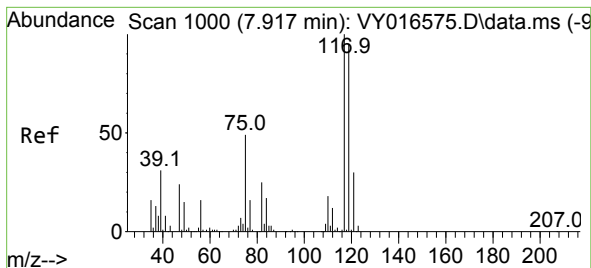
Tgt Ion:113 Resp: 2543
Ion Ratio Lower Upper
113 100
111 109.6 81.3 121.9
192 26.2 16.9 25.3#



#36
1,1-Dichloropropene
Concen: 4.686 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.135 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

Tgt Ion: 75 Resp: 470
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.736 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY016584.D

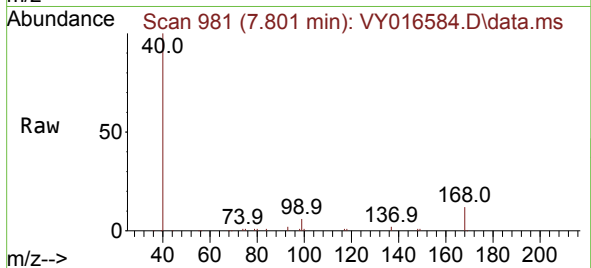
Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-112223



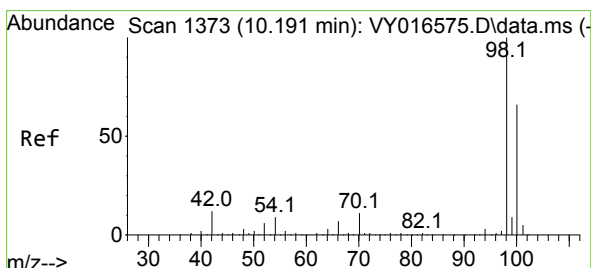
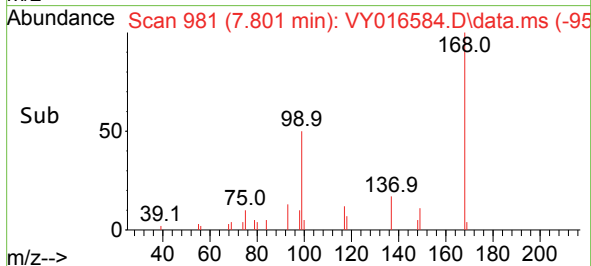
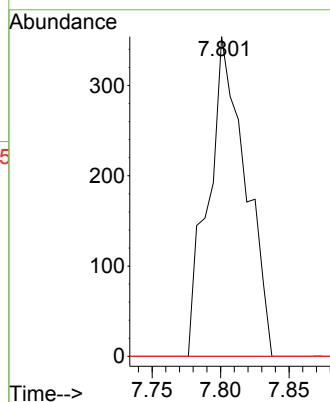
Tgt Ion:117 Resp: 666

Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 50.741 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY016584.D

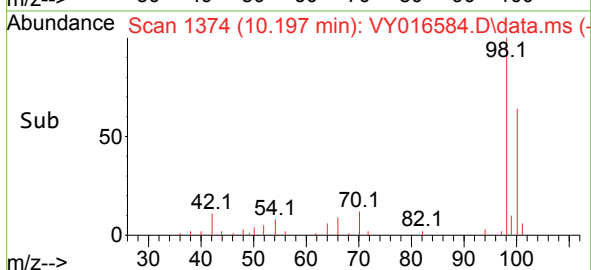
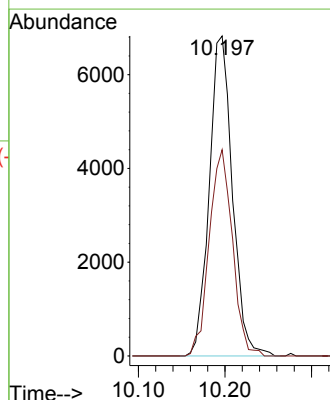
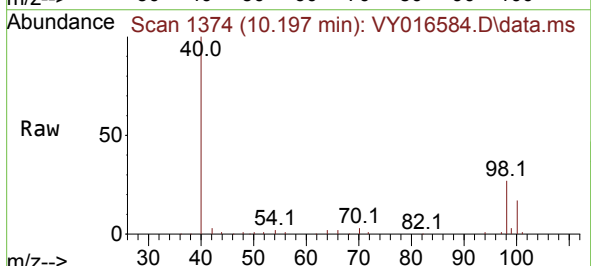
Acq: 04 Dec 2023 18:07

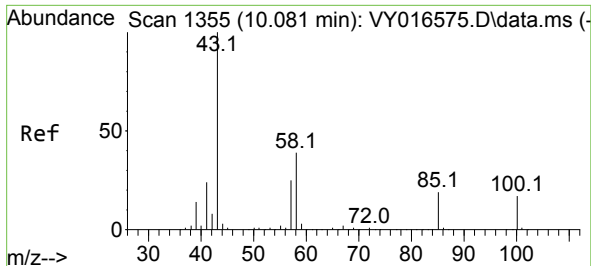
Tgt Ion: 98 Resp: 12664

Ion Ratio Lower Upper

98 100

100 64.5 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 2.282 ug/l

RT: 10.087 min Scan# 1355

Delta R.T. 0.006 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

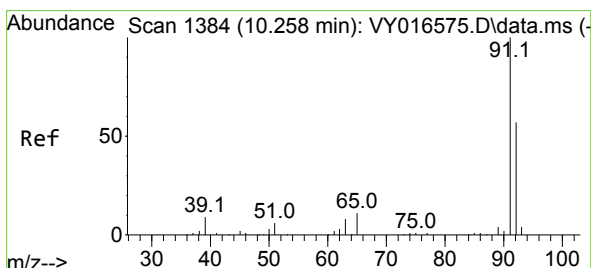
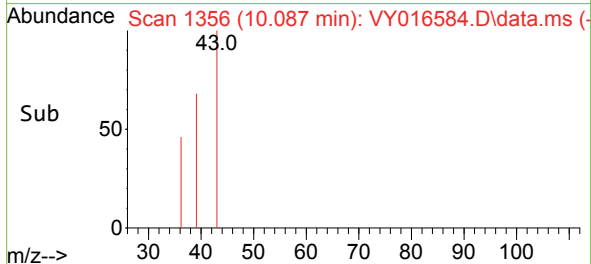
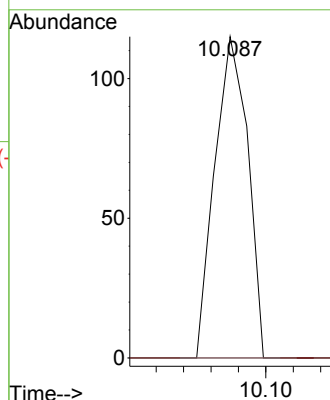
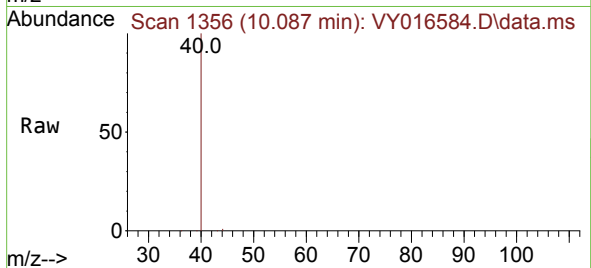
HR-02-112223

Tgt Ion: 43 Resp: 96

Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.6#



#52

Toluene

Concen: 1.405 ug/l

RT: 10.258 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VY016584.D

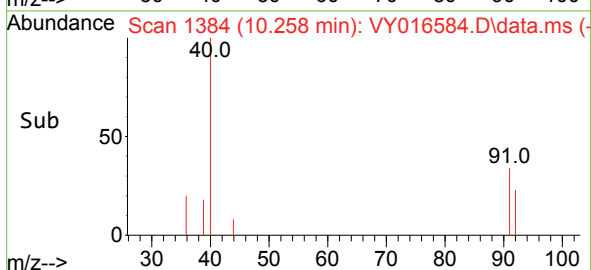
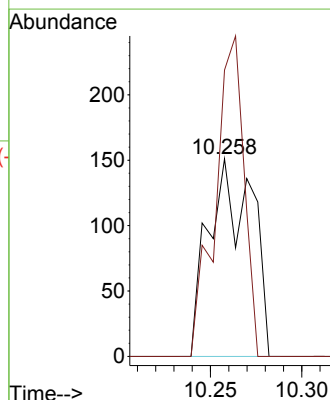
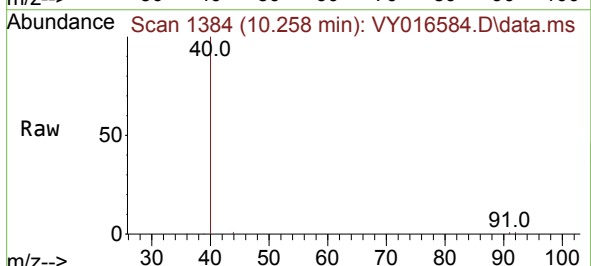
Acq: 04 Dec 2023 18:07

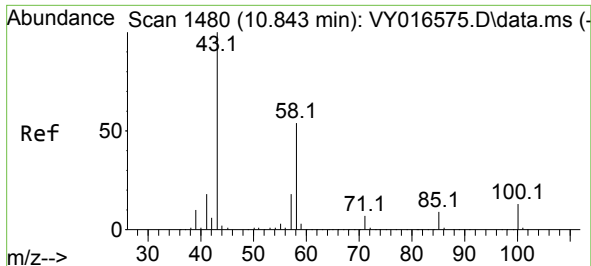
Tgt Ion: 92 Resp: 249

Ion Ratio Lower Upper

92 100

91 107.6 143.8 215.6#

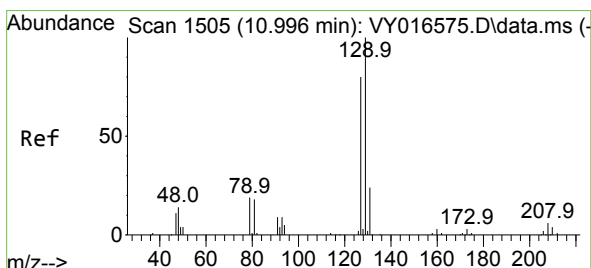
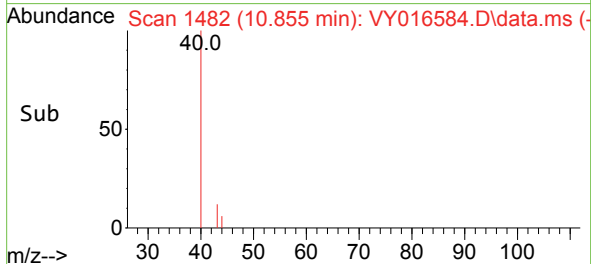
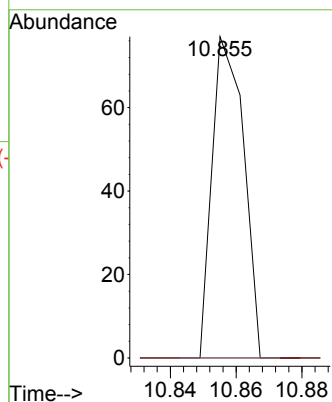
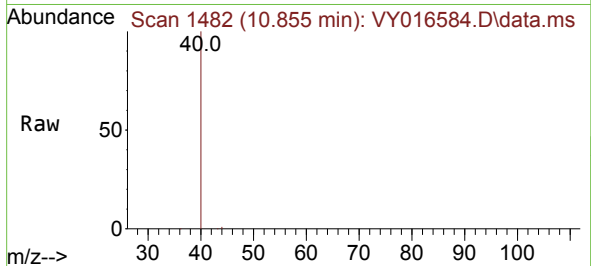




#59
2-Hexanone
Concen: 1.602 ug/l
RT: 10.855 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

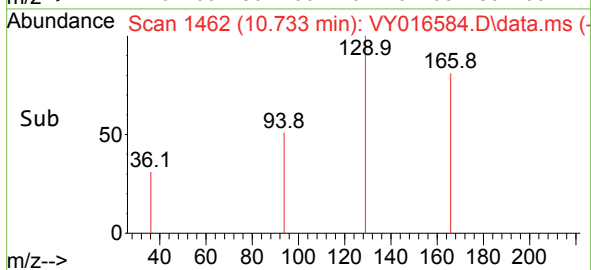
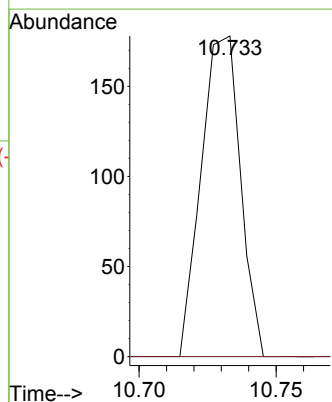
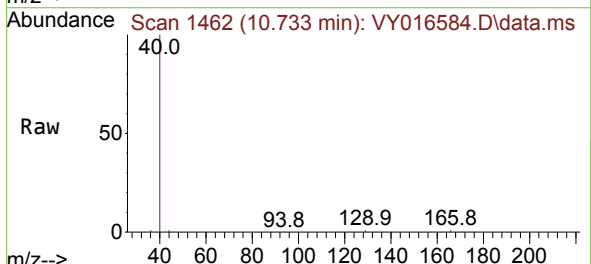
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-112223

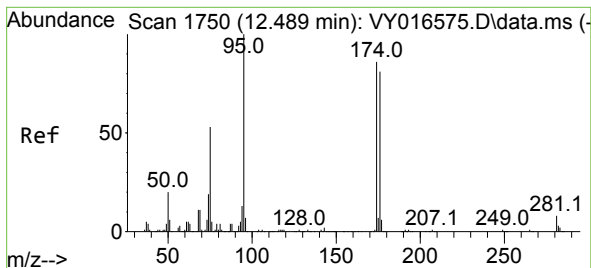
Tgt Ion: 43 Resp: 51
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.3#



#60
Dibromochloromethane
Concen: 2.549 ug/l
RT: 10.733 min Scan# 1462
Delta R.T. -0.263 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

Tgt Ion: 129 Resp: 177
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

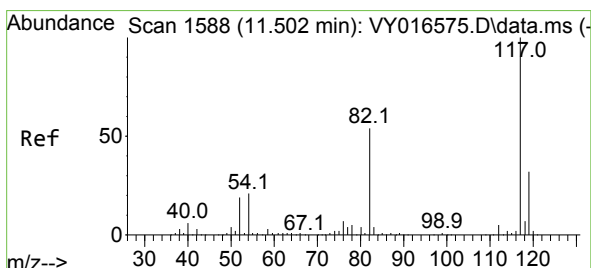
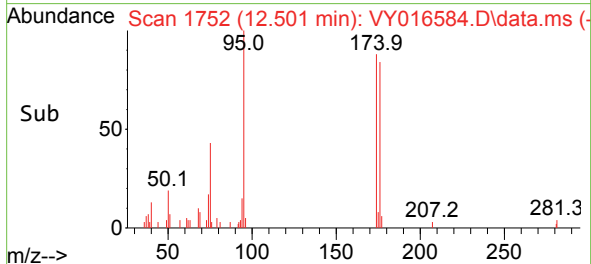
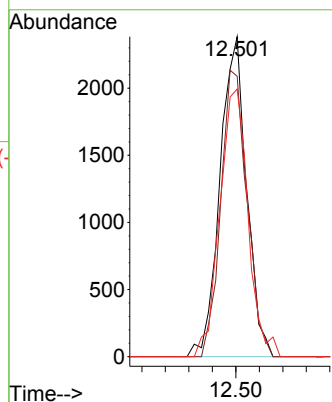
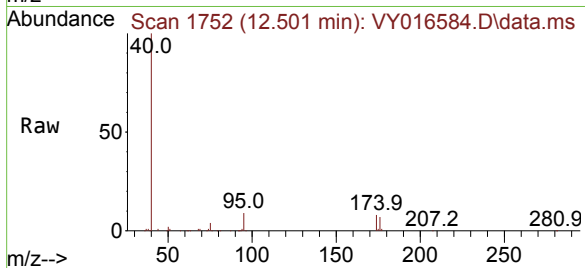




#62
4-Bromofluorobenzene
Concen: 45.641 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

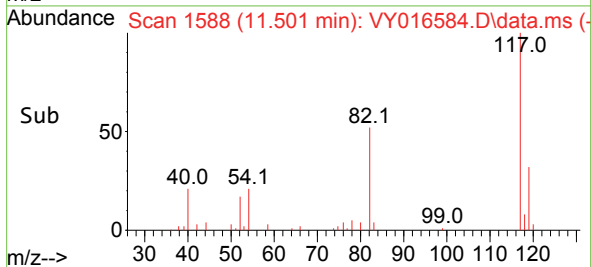
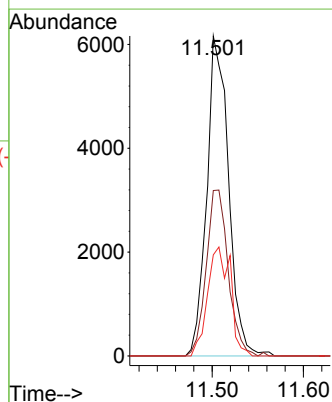
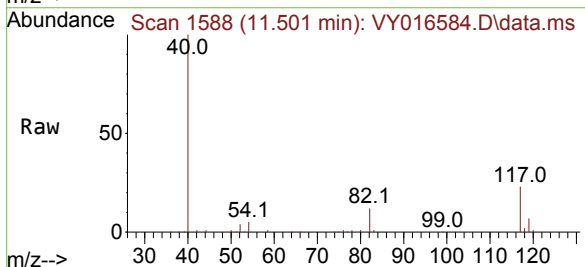
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-112223

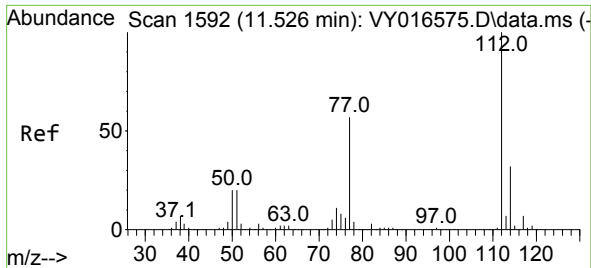
Tgt Ion: 95 Resp: 3746
Ion Ratio Lower Upper
95 100
174 88.2 0.0 178.2
176 88.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.501 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

Tgt Ion: 117 Resp: 10199
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 31.6 26.3 39.5

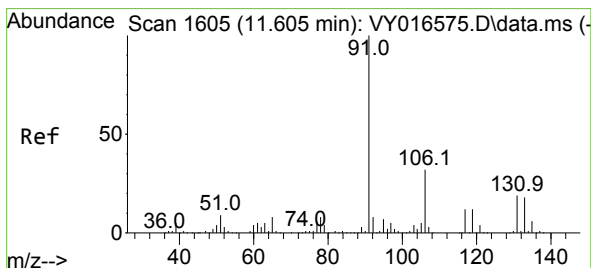
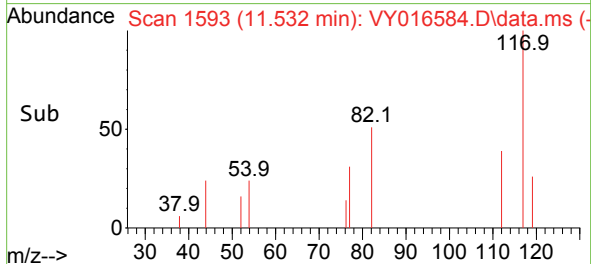
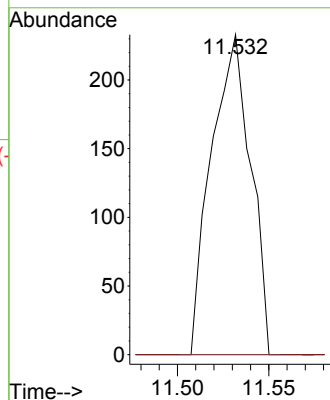
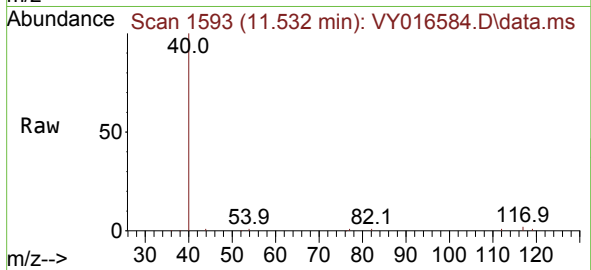




#65
Chlorobenzene
Concen: 1.685 ug/l
RT: 11.532 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

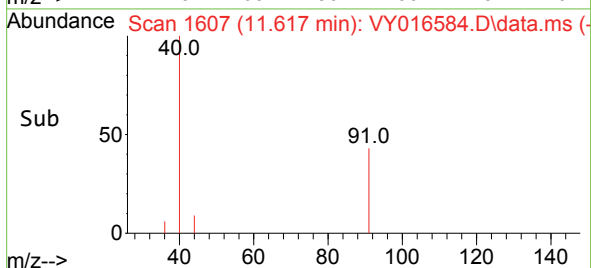
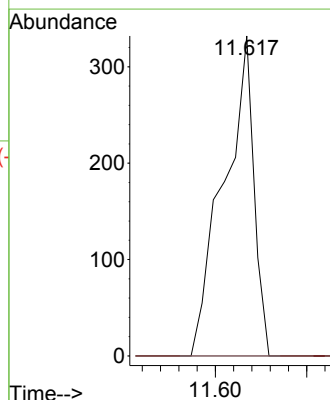
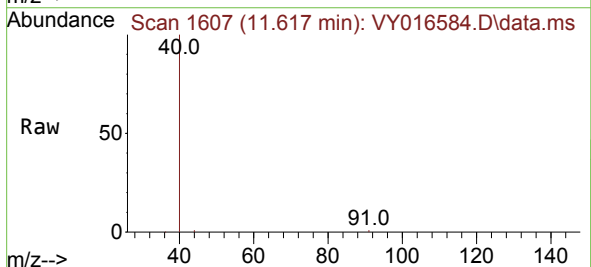
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-112223

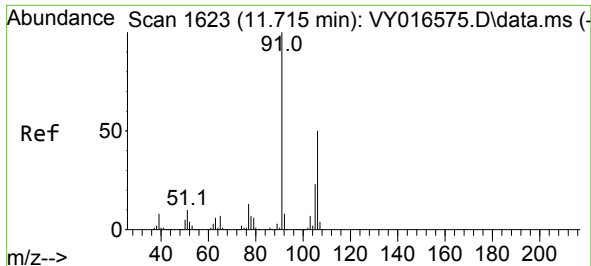
Tgt Ion:112 Resp: 348
Ion Ratio Lower Upper
112 100
114 0.0 25.5 38.3#



#67
Ethyl Benzene
Concen: 1.026 ug/l
RT: 11.617 min Scan# 1607
Delta R.T. 0.012 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

Tgt Ion: 91 Resp: 380
Ion Ratio Lower Upper
91 100
106 0.0 24.6 36.8#

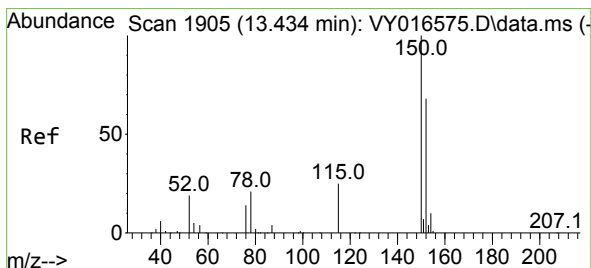
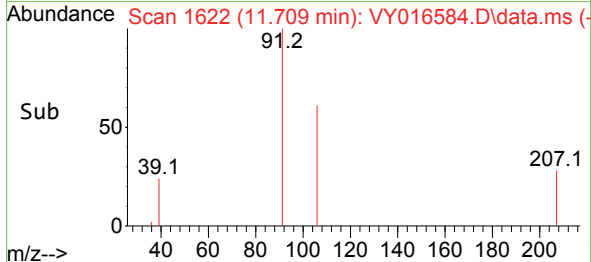
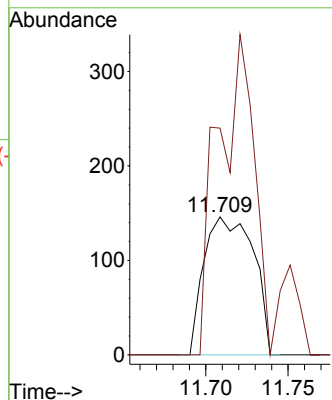
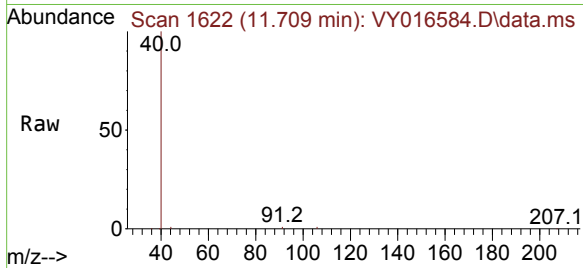




#68
m/p-Xylenes
Concen: 2.169 ug/l
RT: 11.709 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

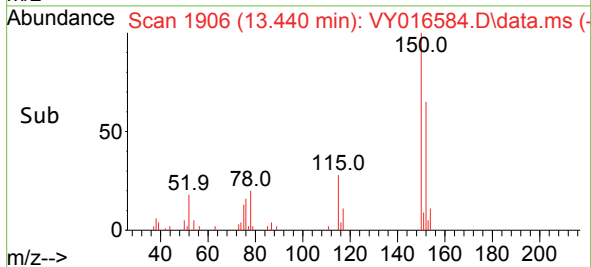
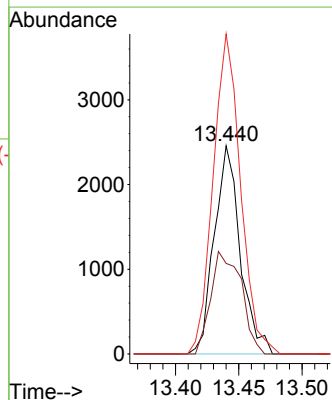
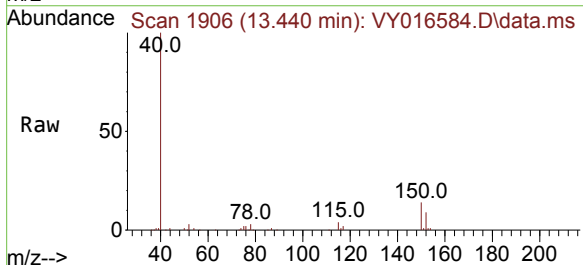
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-112223

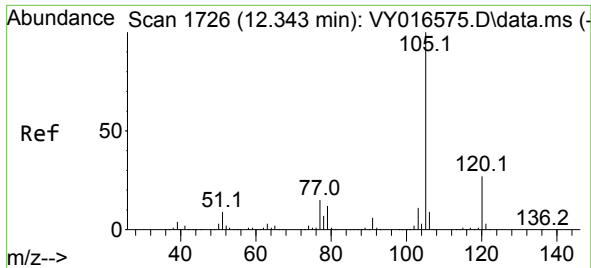
Tgt Ion:106 Resp: 305
Ion Ratio Lower Upper
106 100
91 170.5 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

Tgt Ion:152 Resp: 3513
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.5
150 161.9 0.0 348.8

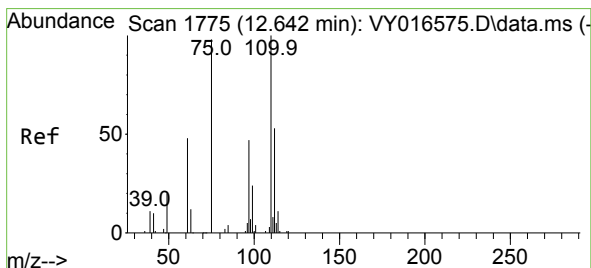
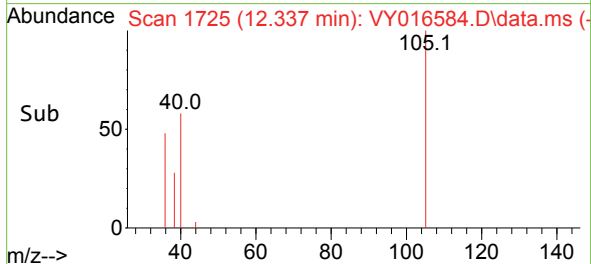
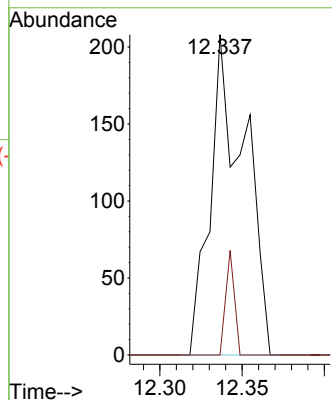
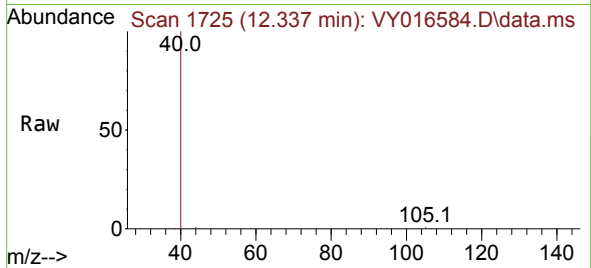




#73
Isopropylbenzene
Concen: 1.165 ug/l
RT: 12.337 min Scan# 1726
Delta R.T. -0.007 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

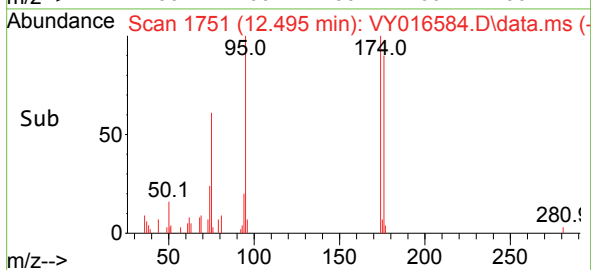
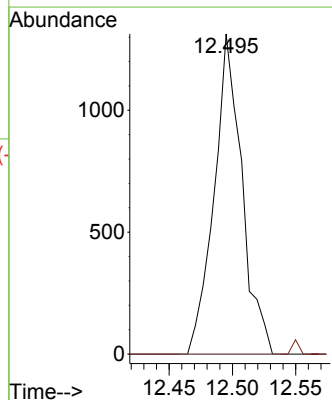
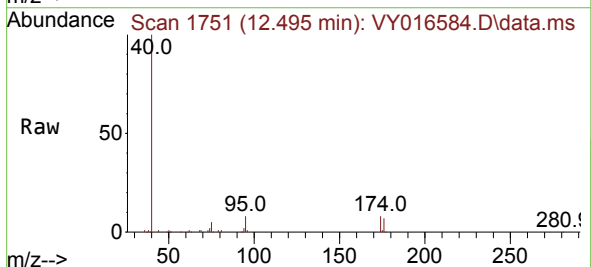
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-112223

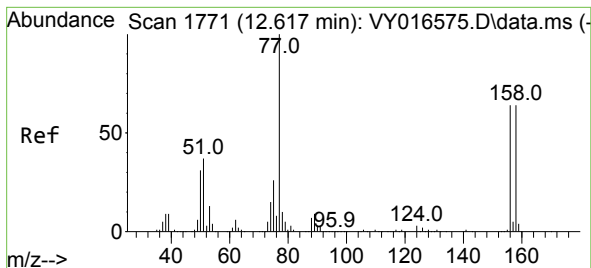
Tgt Ion:105 Resp: 303
Ion Ratio Lower Upper
105 100
120 8.3 13.3 39.9#



#76
1,2,3-Trichloropropane
Concen: 63.150 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.147 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

Tgt Ion: 75 Resp: 2004
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 3.295 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. 0.012 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-112223

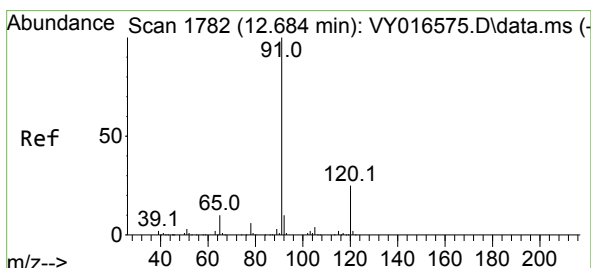
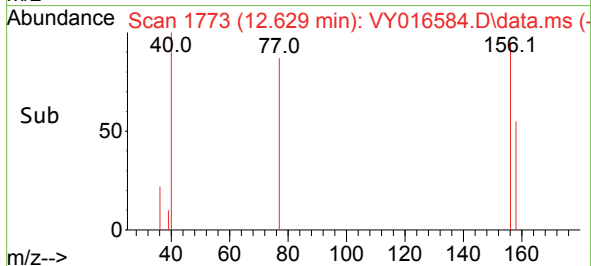
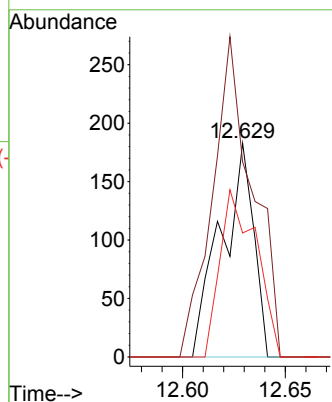
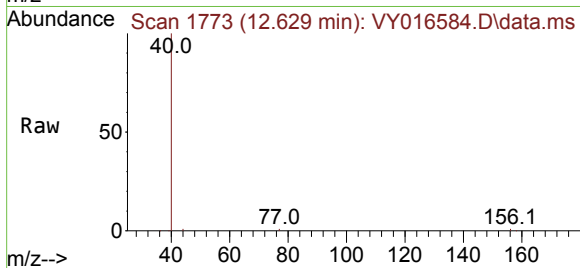
Tgt Ion:156 Resp: 202

Ion Ratio Lower Upper

156 100

77 183.2 92.8 278.6

158 86.6 48.4 145.3



#78

n-propylbenzene

Concen: 1.810 ug/l

RT: 12.690 min Scan# 1783

Delta R.T. 0.006 min

Lab File: VY016584.D

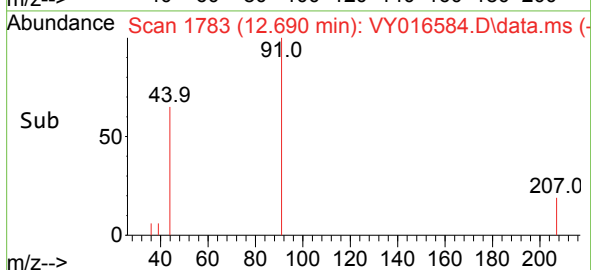
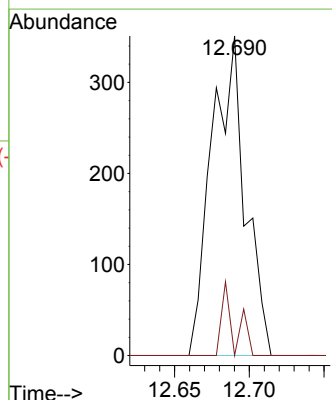
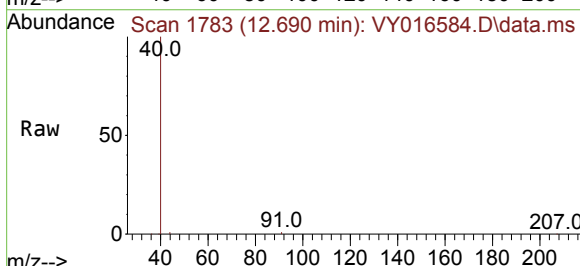
Acq: 04 Dec 2023 18:07

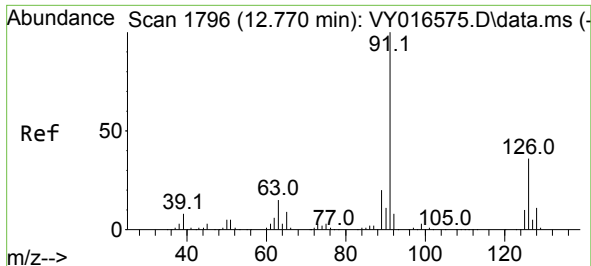
Tgt Ion: 91 Resp: 548

Ion Ratio Lower Upper

91 100

120 8.8 11.5 34.4#





#79

2-Chlorotoluene

Concen: 1.711 ug/l

RT: 12.775 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

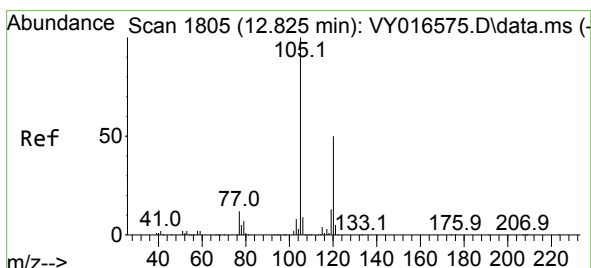
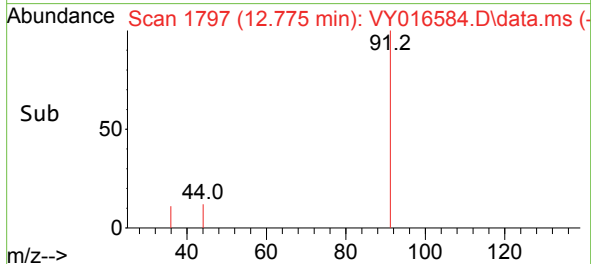
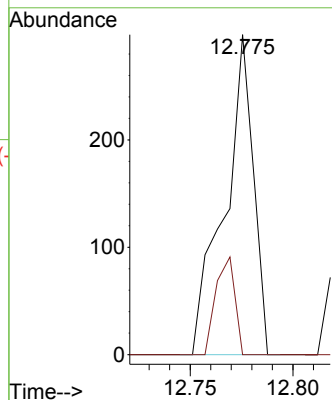
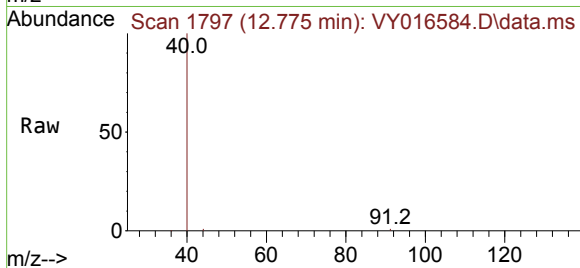
HR-02-112223

Tgt Ion: 91 Resp: 292

Ion Ratio Lower Upper

91 100

126 20.2 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 1.930 ug/l

RT: 12.824 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VY016584.D

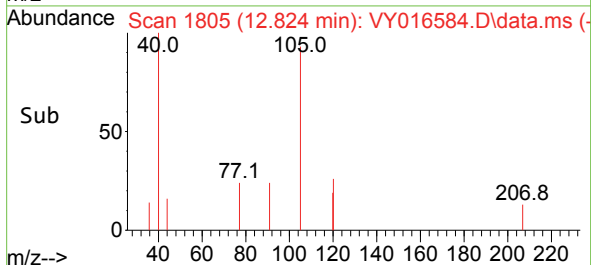
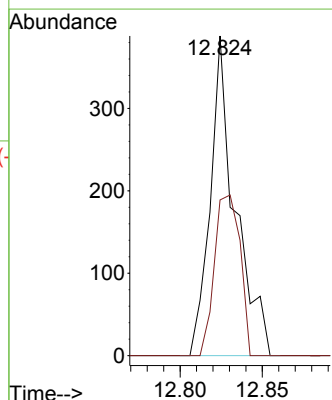
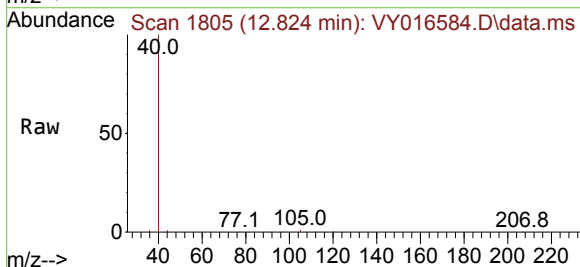
Acq: 04 Dec 2023 18:07

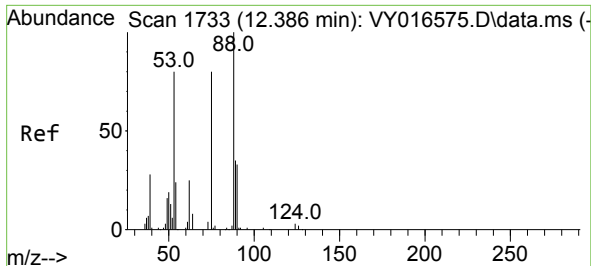
Tgt Ion:105 Resp: 408

Ion Ratio Lower Upper

105 100

120 51.7 23.9 71.7

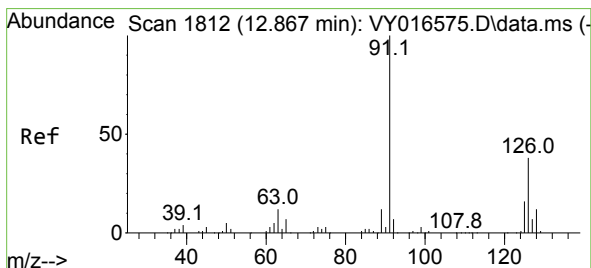
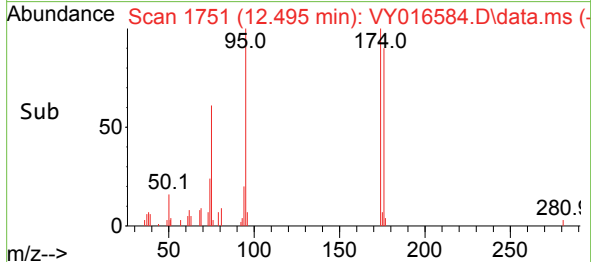
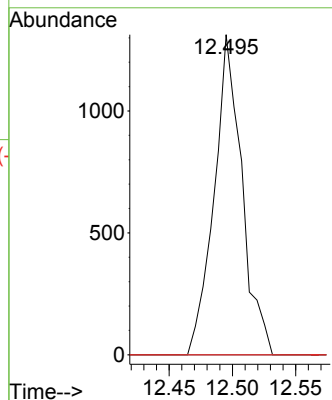
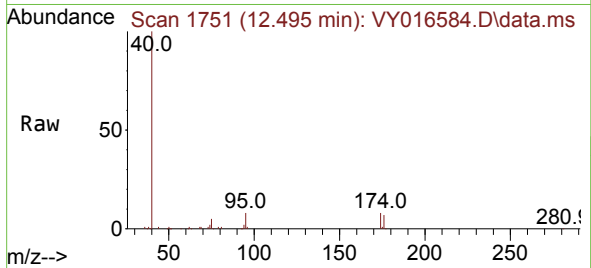




#81
trans-1,4-Dichloro-2-butene
Concen: 142.454 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

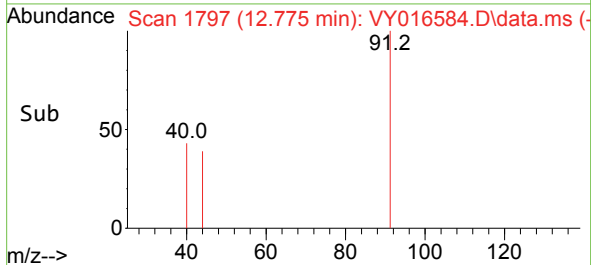
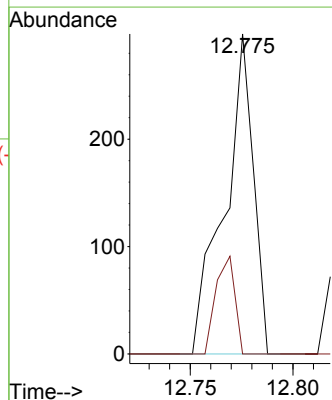
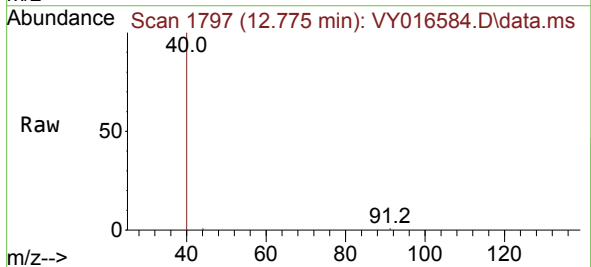
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-112223

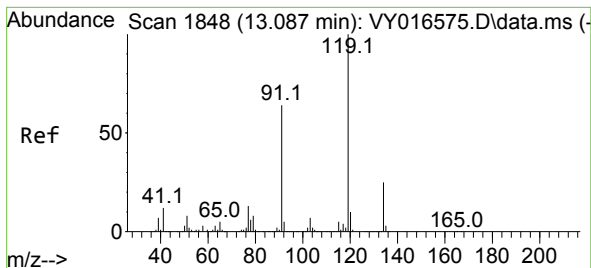
Tgt Ion: 75 Resp: 2004
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#82
4-Chlorotoluene
Concen: 1.654 ug/l
RT: 12.775 min Scan# 1797
Delta R.T. -0.092 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

Tgt Ion: 91 Resp: 292
Ion Ratio Lower Upper
91 100
126 20.2 17.2 51.6





#83

tert-Butylbenzene

Concen: 2.939 ug/l

RT: 13.099 min Scan# 1850

Delta R.T. 0.012 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-112223

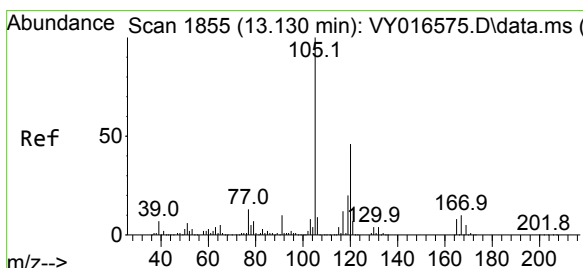
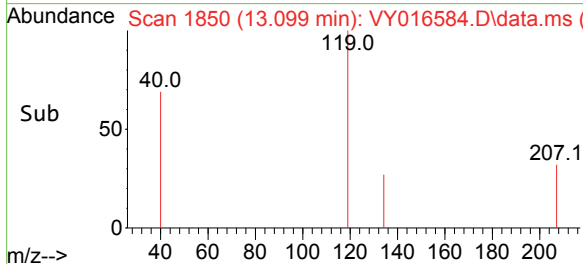
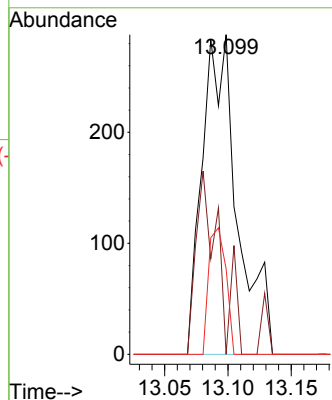
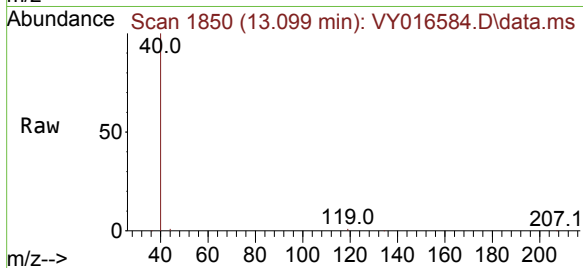
Tgt Ion:119 Resp: 555

Ion Ratio Lower Upper

119 100

91 38.0 32.9 98.6

134 19.5 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 2.243 ug/l

RT: 13.135 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VY016584.D

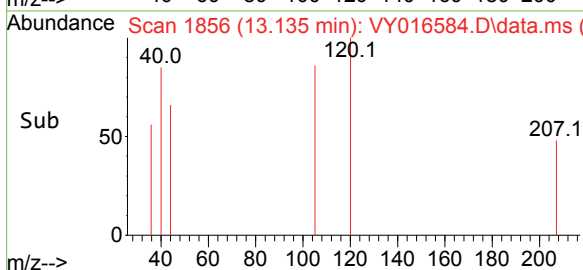
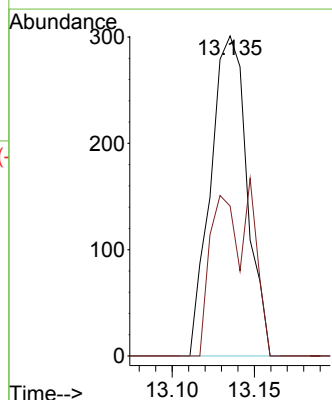
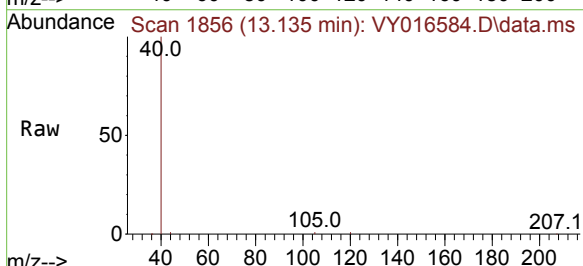
Acq: 04 Dec 2023 18:07

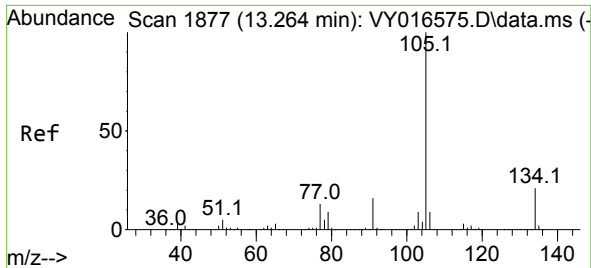
Tgt Ion:105 Resp: 463

Ion Ratio Lower Upper

105 100

120 57.2 22.2 66.6

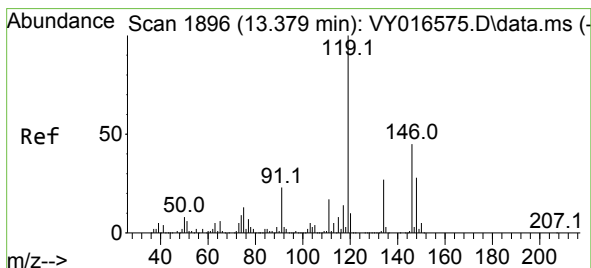
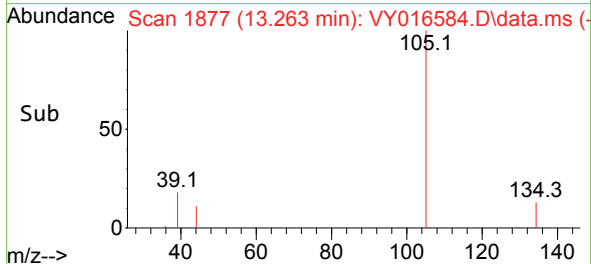
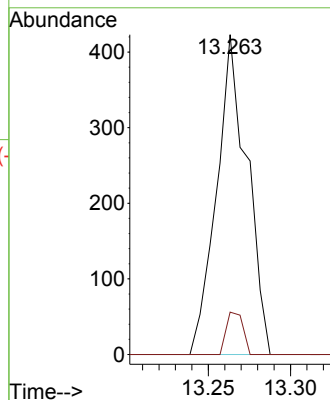
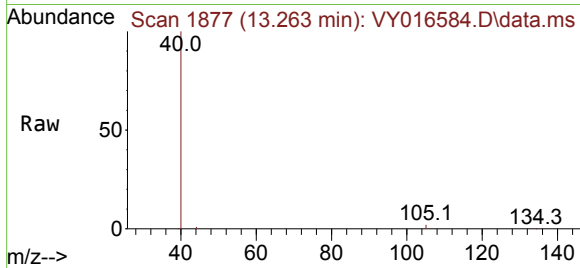




#85
 sec-Butylbenzene
 Concen: 2.051 ug/l
 RT: 13.263 min Scan# 1877
 Delta R.T. -0.000 min
 Lab File: VY016584.D
 Acq: 04 Dec 2023 18:07

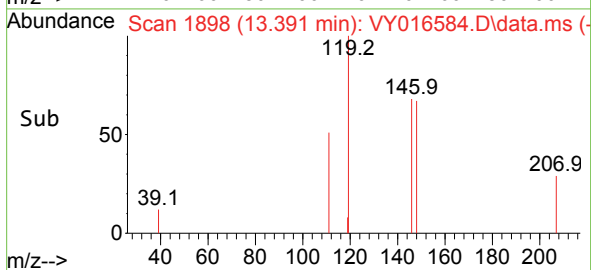
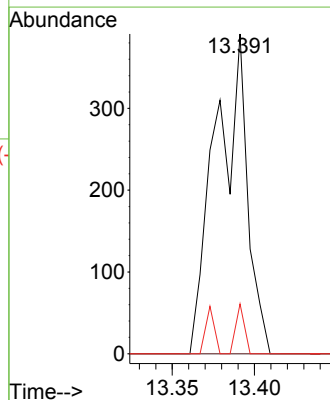
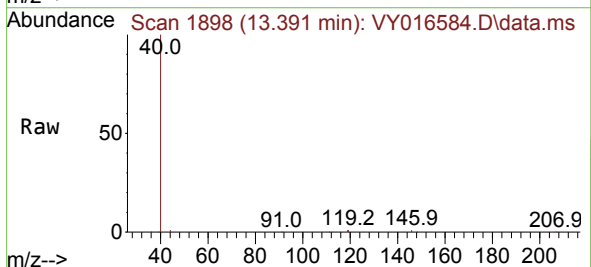
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-112223

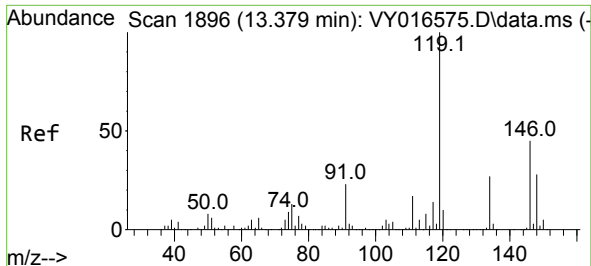
Tgt Ion:105 Resp: 544
 Ion Ratio Lower Upper
 105 100
 134 7.4 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 2.271 ug/l
 RT: 13.391 min Scan# 1898
 Delta R.T. 0.012 min
 Lab File: VY016584.D
 Acq: 04 Dec 2023 18:07

Tgt Ion:119 Resp: 523
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.3 39.8#
 91 4.2 12.4 37.4#





#87

1,3-Dichlorobenzene

Concen: 3.273 ug/l

RT: 13.385 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-112223

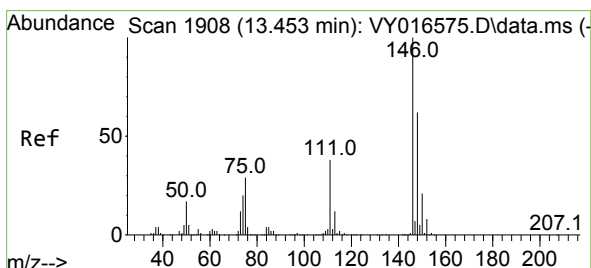
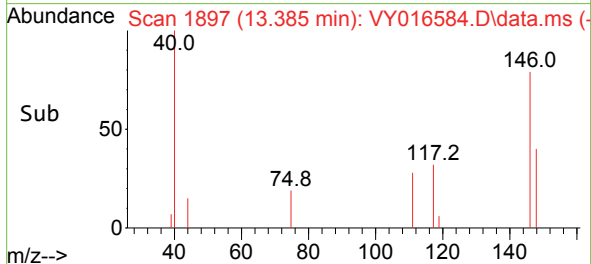
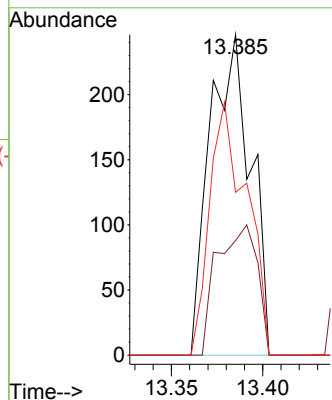
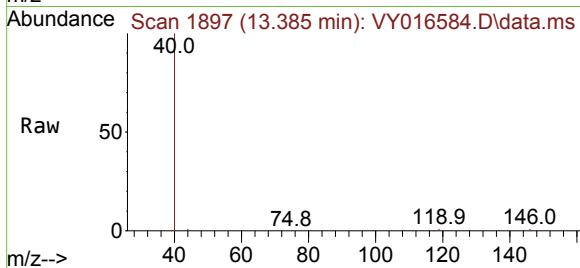
Tgt Ion:146 Resp: 383

Ion Ratio Lower Upper

146 100

111 39.7 19.4 58.2

148 71.3 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 4.301 ug/l

RT: 13.458 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

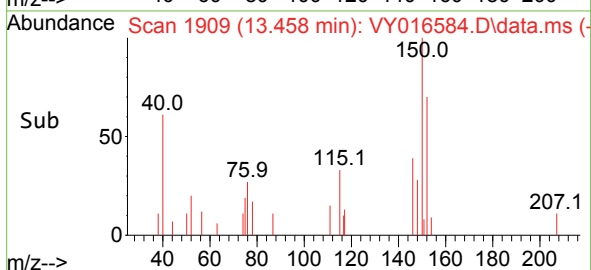
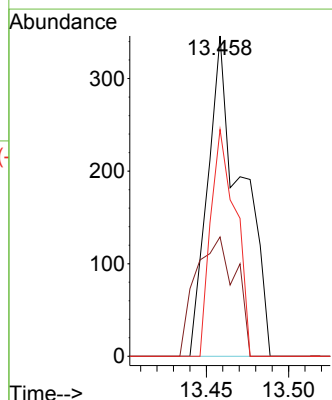
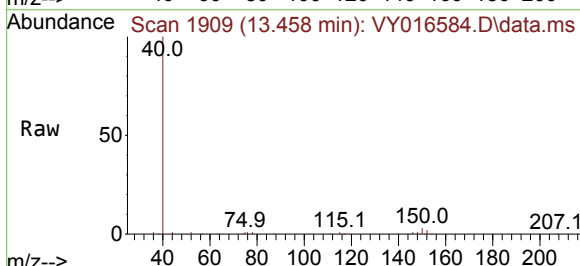
Tgt Ion:146 Resp: 494

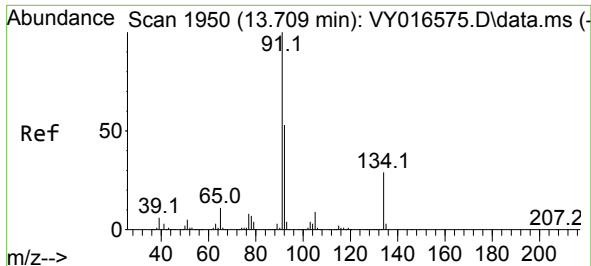
Ion Ratio Lower Upper

146 100

111 43.9 18.9 56.7

148 52.4 32.1 96.5

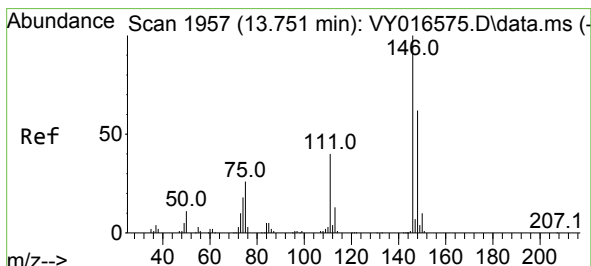
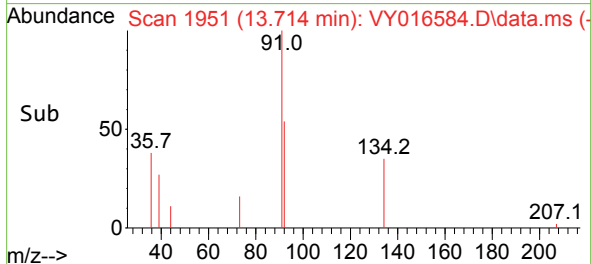
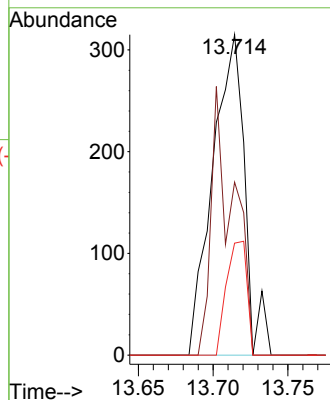
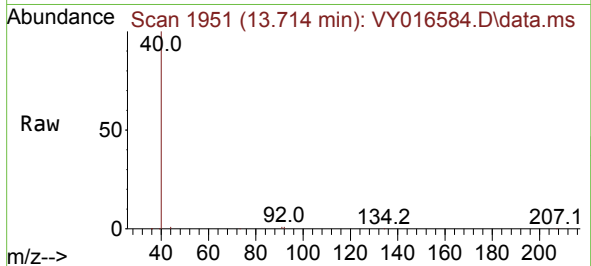




#89
n-Butylbenzene
Concen: 2.260 ug/l
RT: 13.714 min Scan# 1951
Delta R.T. 0.006 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

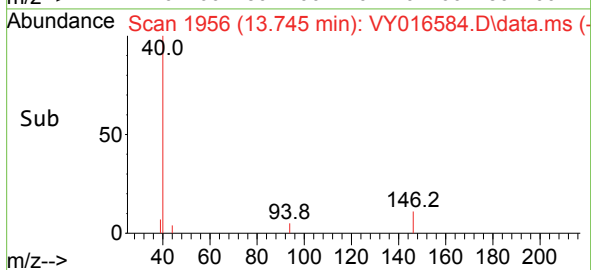
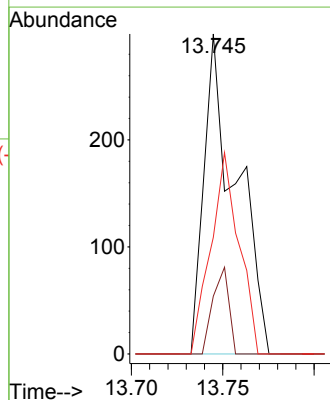
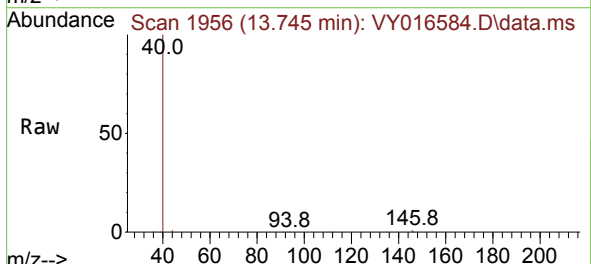
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-112223

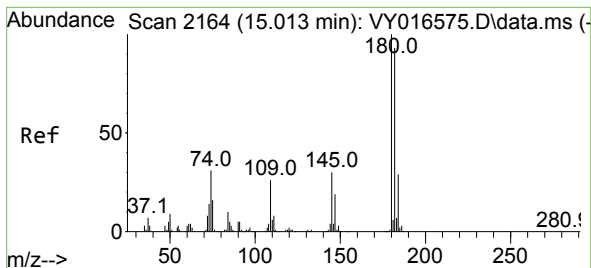
Tgt Ion: 91	Resp:	468
Ion Ratio	Lower	Upper
91	100	
92	57.9	25.4 76.0
134	22.6	12.6 37.6



#91
1,2-Dichlorobenzene
Concen: 3.633 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. -0.007 min
Lab File: VY016584.D
Acq: 04 Dec 2023 18:07

Tgt Ion: 146	Resp:	365
Ion Ratio	Lower	Upper
146	100	
111	0.0	19.7 59.0#
148	55.3	32.0 96.2





#93

1,2,4-Trichlorobenzene

Concen: 4.797 ug/l

RT: 15.019 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-112223

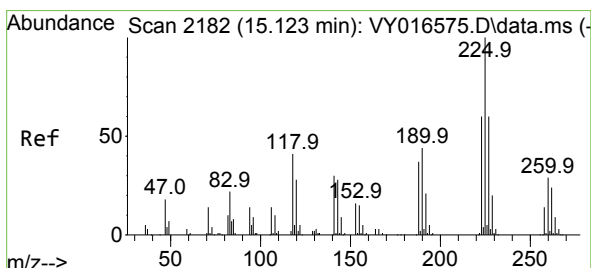
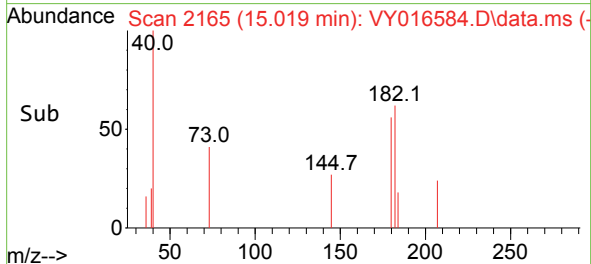
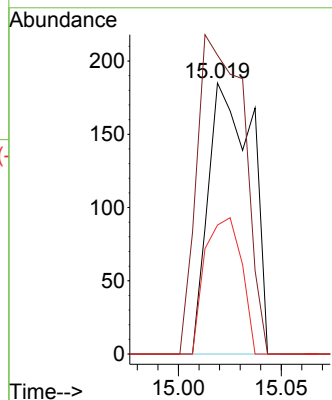
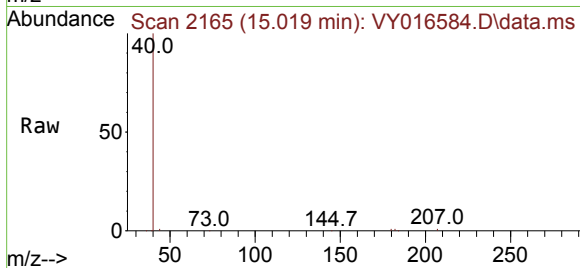
Tgt Ion:180 Resp: 272

Ion Ratio Lower Upper

180 100

182 126.5 47.0 141.2

145 42.3 14.5 43.5



#94

Hexachlorobutadiene

Concen: 6.560 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. -0.000 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

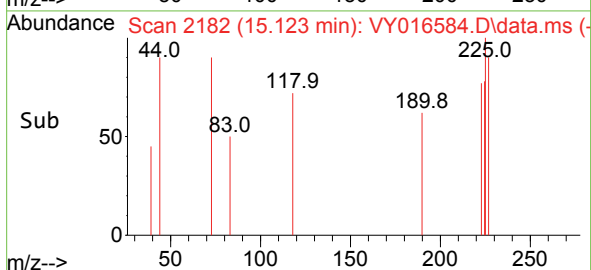
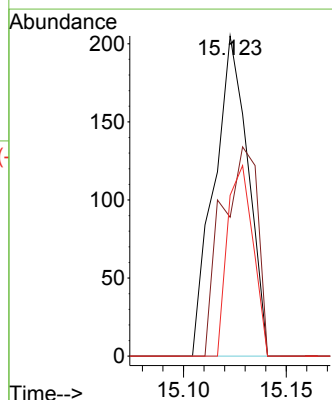
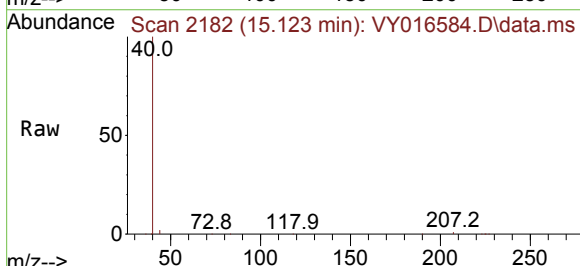
Tgt Ion:225 Resp: 235

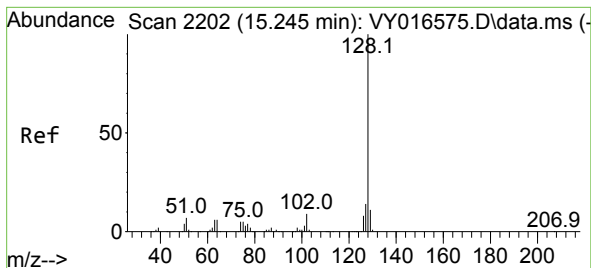
Ion Ratio Lower Upper

225 100

223 69.4 31.9 95.9

227 45.1 33.0 98.9





#95

Naphthalene

Concen: 7.116 ug/l

RT: 15.257 min Scan# 21

Delta R.T. 0.012 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-112223

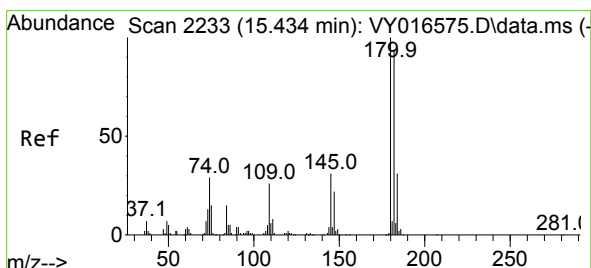
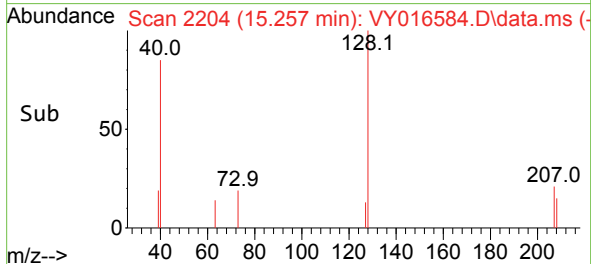
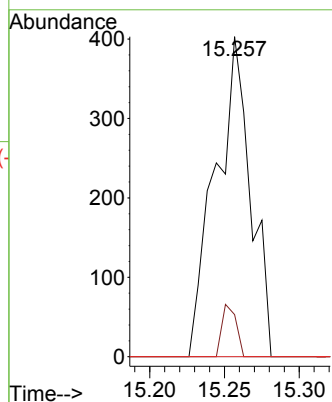
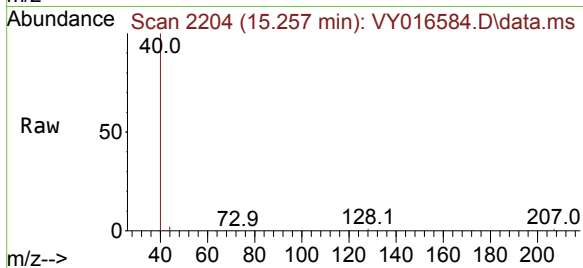
Tgt Ion:128 Resp: 659

Ion Ratio Lower Upper

128 100

127 6.7 10.8 16.2#

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 8.583 ug/l

RT: 15.440 min Scan# 2234

Delta R.T. 0.006 min

Lab File: VY016584.D

Acq: 04 Dec 2023 18:07

Tgt Ion:180 Resp: 374

Ion Ratio Lower Upper

180 100

182 97.6 47.3 141.8

145 0.0 15.4 46.2#

