

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015792.D
 Acq On : 02 Oct 2023 21:22
 Operator : SY/MD
 Sample : 04685-04
 Misc : 4.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 01:30:02 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)

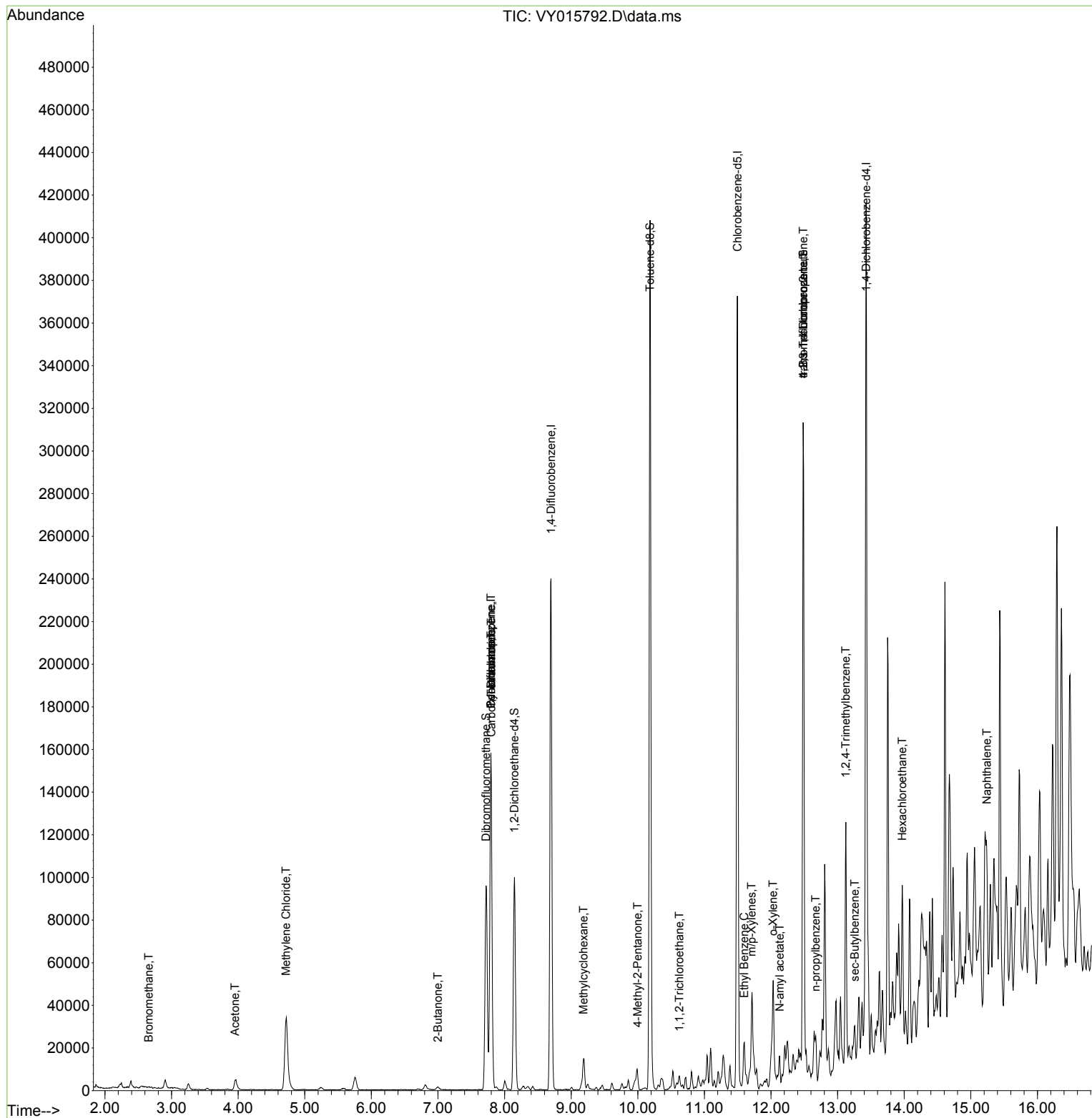
Internal Standards						
1) Pentafluorobenzene	7.795	168	119849	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	211668	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	202568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	76987	58.382	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.760%	
35) Dibromofluoromethane	7.721	113	68931	54.409	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.820%	
50) Toluene-d8	10.184	98	256548	59.723	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 119.440%	
62) 4-Bromofluorobenzene	12.483	95	88314	52.389	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.780%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.655	94	101	2.642	ug/l #	2
11) Tert butyl alcohol	4.966	59	263	Below Cal	#	89
16) Acetone	3.954	43	8910	12.626	ug/l	97
20) Methylene Chloride	4.716	84	25589	12.973	ug/l #	87
25) 2-Butanone	6.996	43	1697	1.701	ug/l #	59
31) Cyclohexane	7.795	56	3482	1.906	ug/l #	16
36) 1,1-Dichloropropene	7.795	75	9330	4.981	ug/l #	50
38) Carbon Tetrachloride	7.801	117	11342	5.578	ug/l #	18
39) Methylcyclohexane	9.185	83	6119	2.953	ug/l	98
51) 4-Methyl-2-Pentanone	9.995	43	3150	1.592	ug/l #	39
55) 1,1,2-Trichloroethane	10.623	97	2249	1.506	ug/l #	17
67) Ethyl Benzene	11.599	91	13599	1.760	ug/l	99
68) m/p-Xylenes	11.709	106	6040	2.056	ug/l	96
69) o-Xylene	12.032	106	11416	3.963	ug/l	97
74) N-amyl acetate	12.129	43	3001	1.097	ug/l #	67
76) 1,2,3-Trichloropropane	12.483	75	47988	31.001	ug/l #	100
78) n-propylbenzene	12.672	91	14428	1.632	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	47988	69.811	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	57184	9.379	ug/l	99
85) sec-Butylbenzene	13.257	105	9234	1.156	ug/l	89
90) Hexachloroethane	13.970	117	2461	1.911	ug/l #	8
95) Naphthalene	15.238	128	48891	9.102	ug/l	97

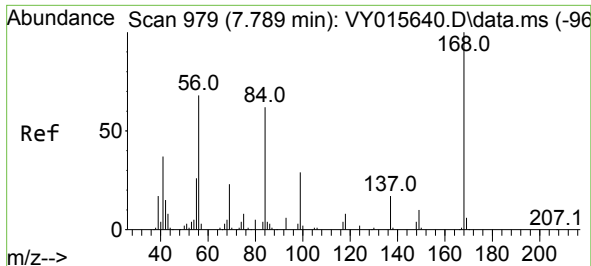
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration

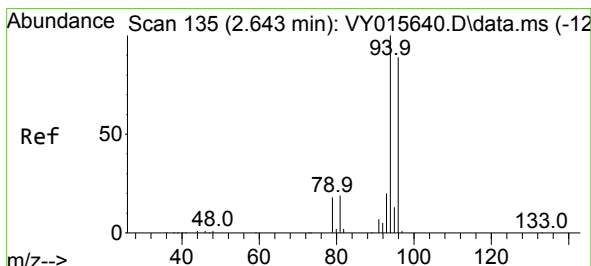
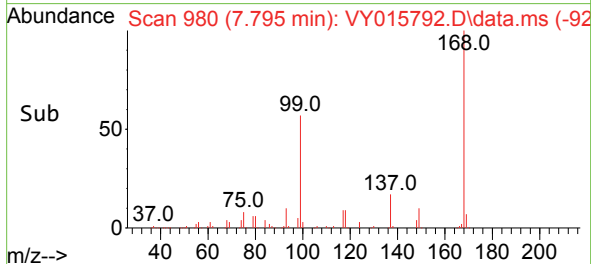
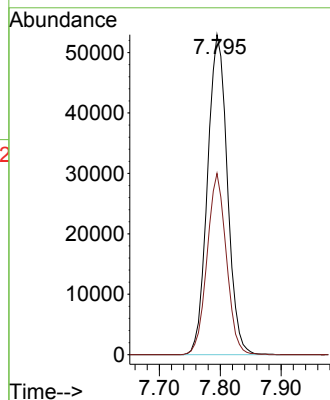
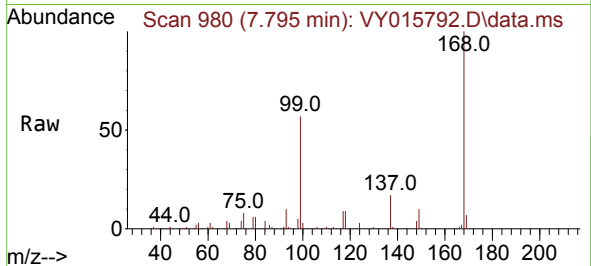




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

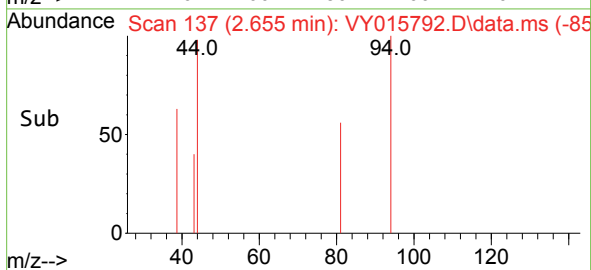
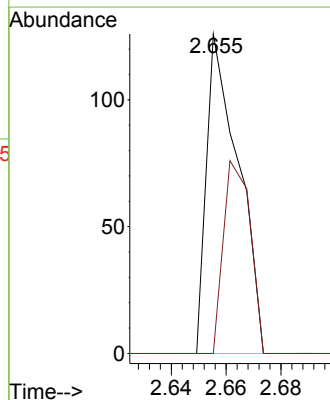
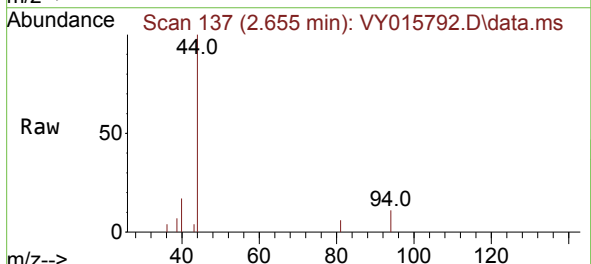
Instrument :
MSVOA_Y
ClientSampleId :

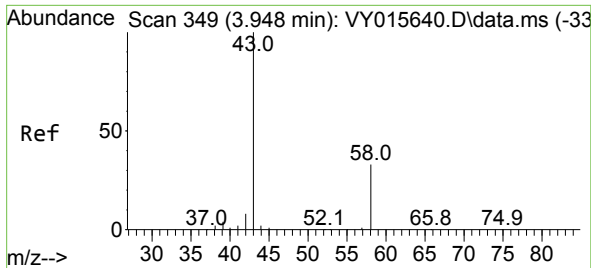
Tgt Ion:168 Resp: 119849
Ion Ratio Lower Upper
168 100
99 56.6 43.4 65.0



#5
Bromomethane
Concen: 2.642 ug/l
RT: 2.655 min Scan# 137
Delta R.T. 0.018 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Tgt Ion: 94 Resp: 101
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#

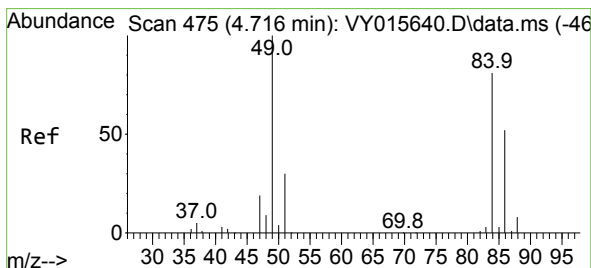
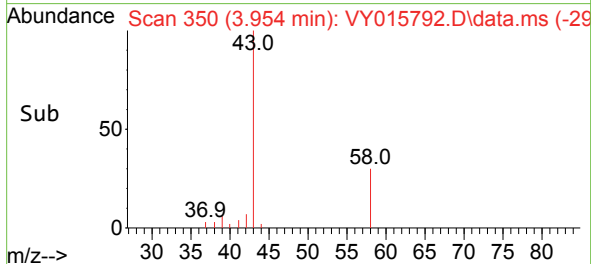
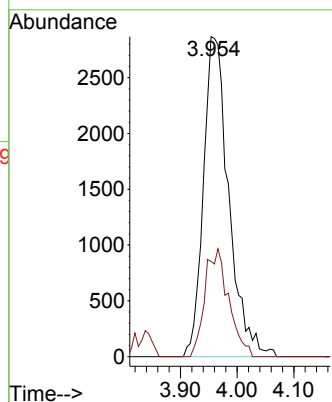
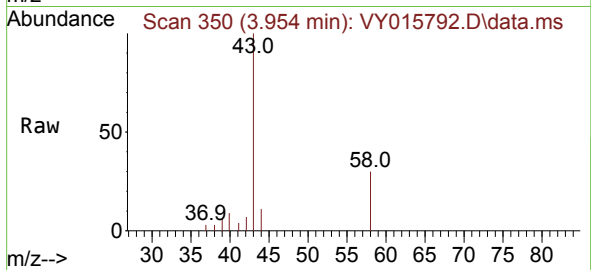




#16
Acetone
Concen: 12.626 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

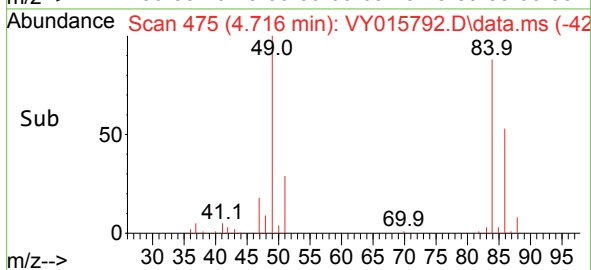
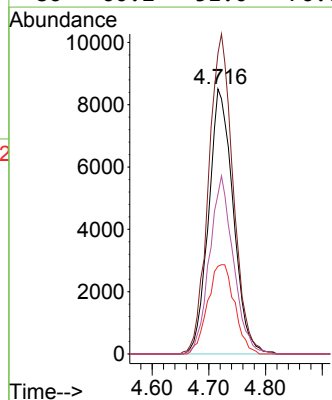
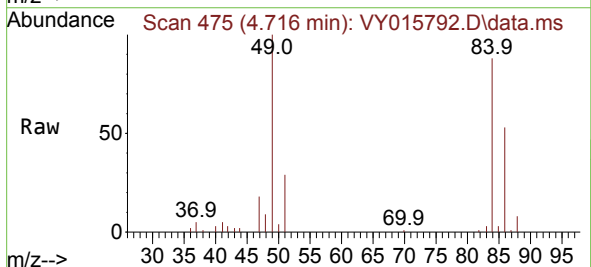
Instrument :
MSVOA_Y
ClientSampleId :

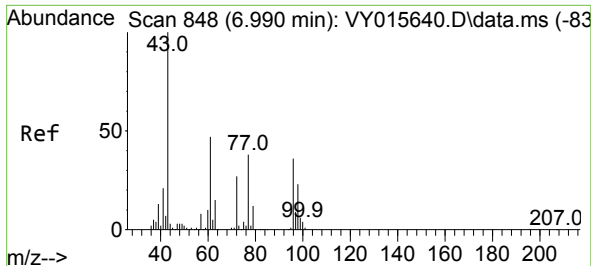
Tgt Ion: 43 Resp: 8910
Ion Ratio Lower Upper
43 100
58 29.8 22.7 34.1



#20
Methylene Chloride
Concen: 12.973 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

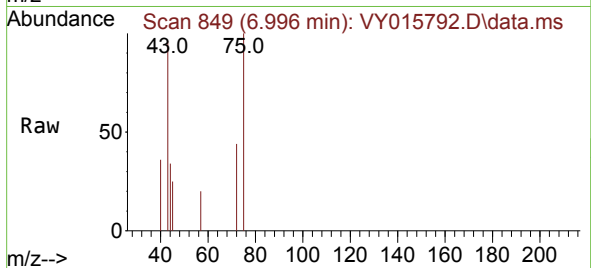
Tgt Ion: 84 Resp: 25589
Ion Ratio Lower Upper
84 100
49 113.5 106.9 160.3
51 33.1 33.2 49.8#
86 60.2 51.0 76.6



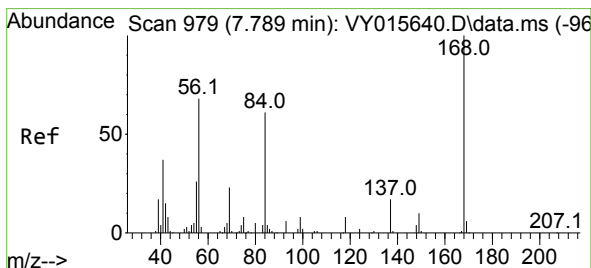
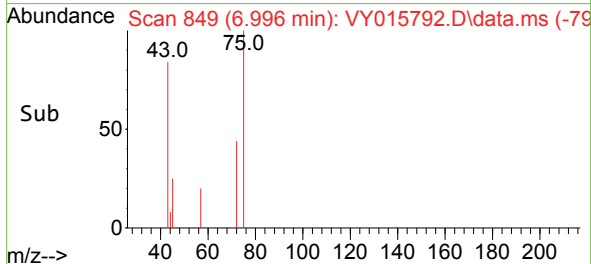
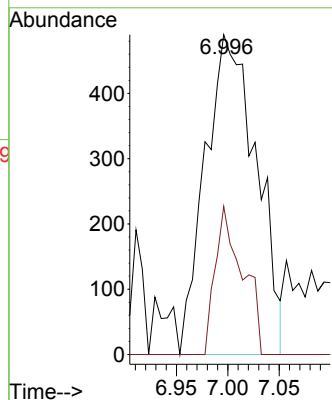


#25
2-Butanone
Concen: 1.701 ug/l
RT: 6.996 min Scan# 84
Delta R.T. 0.018 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Instrument :
MSVOA_Y
ClientSampleId :

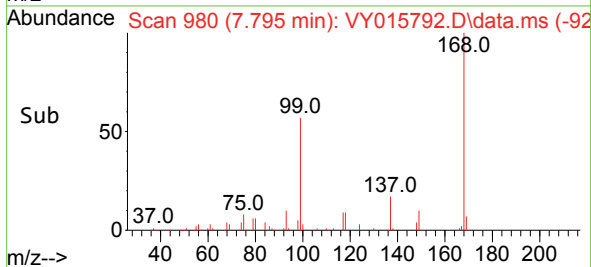
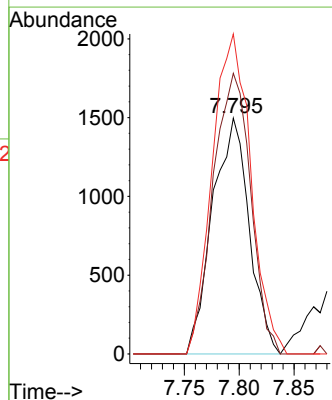
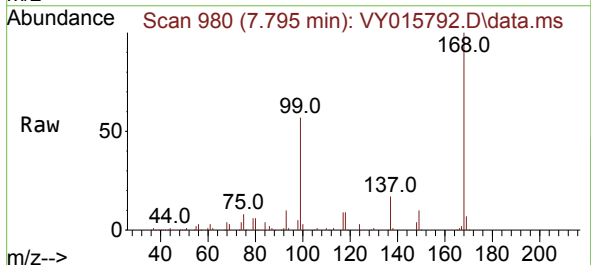


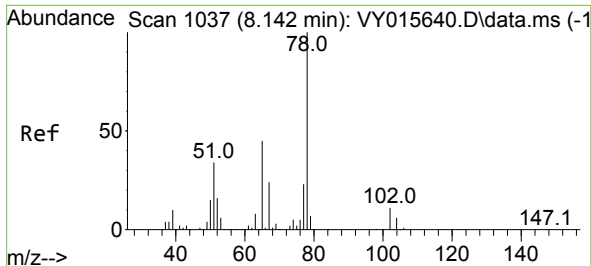
Tgt Ion: 43 Resp: 1697
Ion Ratio Lower Upper
43 100
72 46.3 20.5 30.7#



#31
Cyclohexane
Concen: 1.906 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Tgt Ion: 56 Resp: 3482
Ion Ratio Lower Upper
56 100
69 119.0 27.8 41.6#
84 135.7 66.4 99.6#

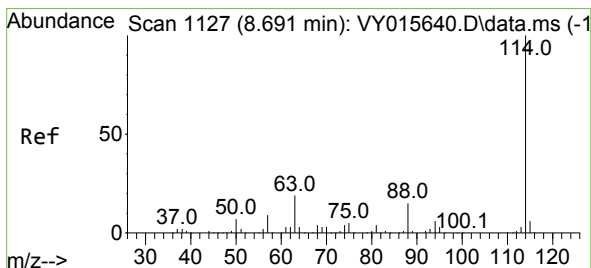
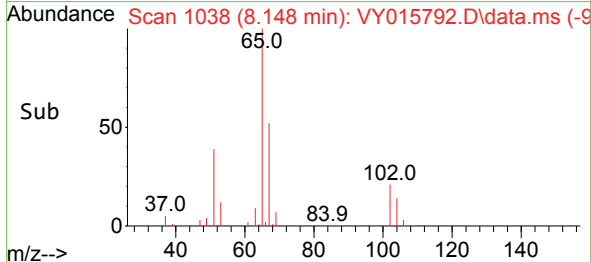
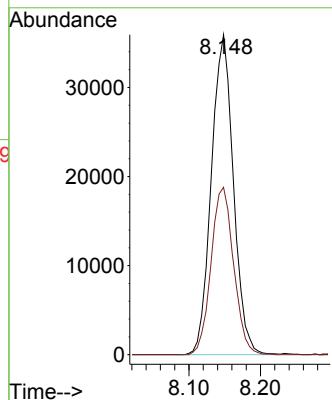
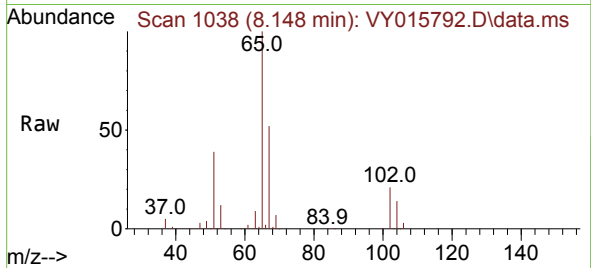




#33
 1,2-Dichloroethane-d4
 Concen: 58.382 ug/l
 RT: 8.148 min Scan# 1037
 Delta R.T. 0.012 min
 Lab File: VY015792.D
 Acq: 02 Oct 2023 21:22

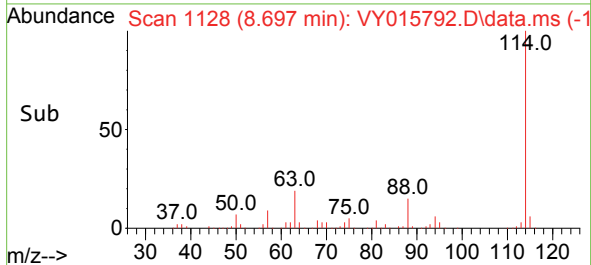
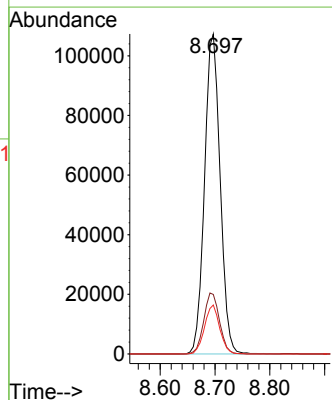
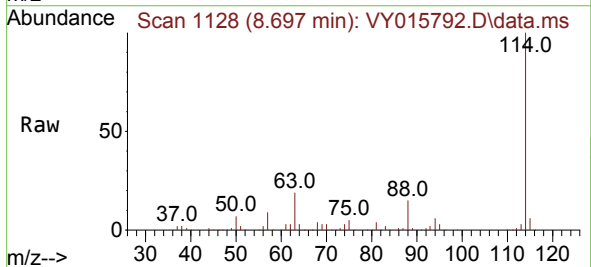
Instrument :
 MSVOA_Y
 ClientSampleId :

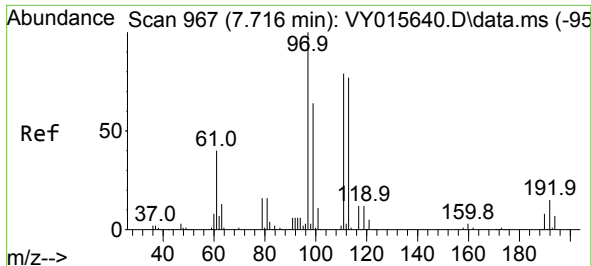
Tgt Ion: 65 Resp: 76987
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.012 min
 Lab File: VY015792.D
 Acq: 02 Oct 2023 21:22

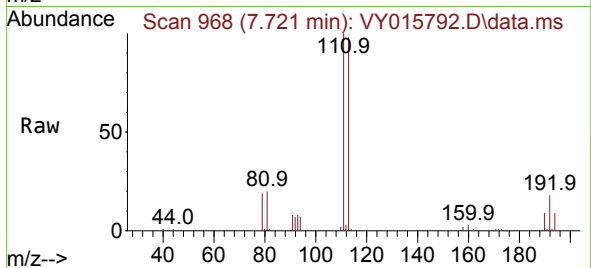
Tgt Ion: 114 Resp: 211668
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.4
 88 15.3 0.0 30.6



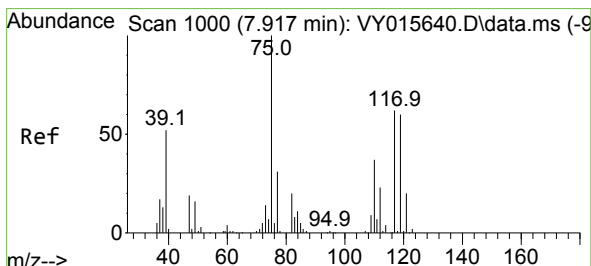
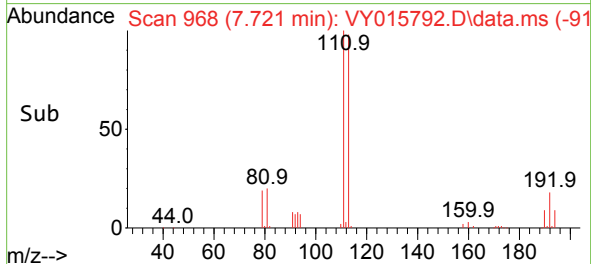
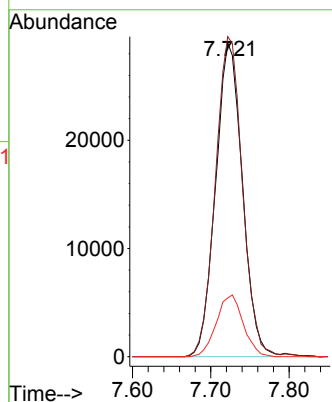


#35
Dibromofluoromethane
Concen: 54.409 ug/l
RT: 7.721 min Scan# 90
Delta R.T. 0.005 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Instrument :
MSVOA_Y
ClientSampleId :

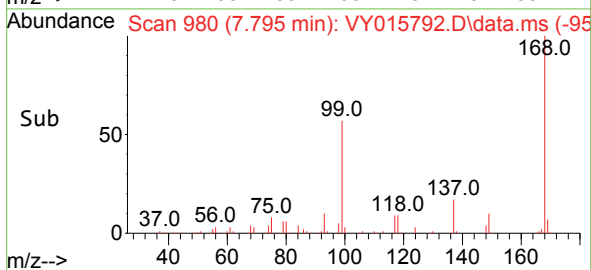
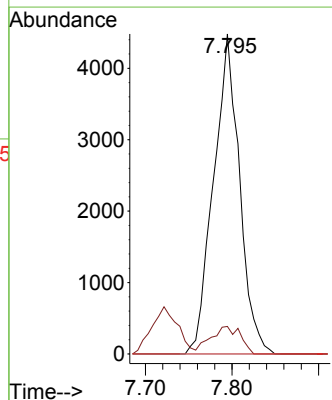
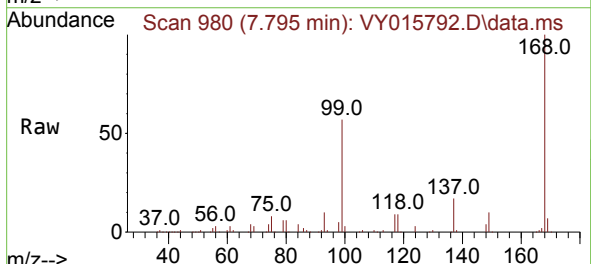


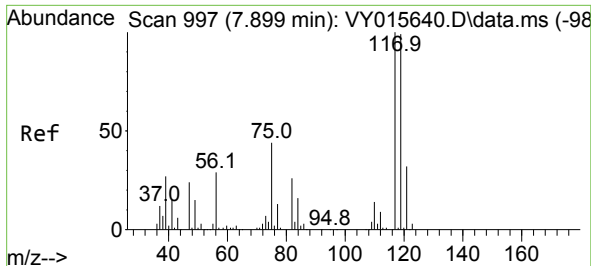
Tgt Ion:113 Resp: 68931
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.981 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

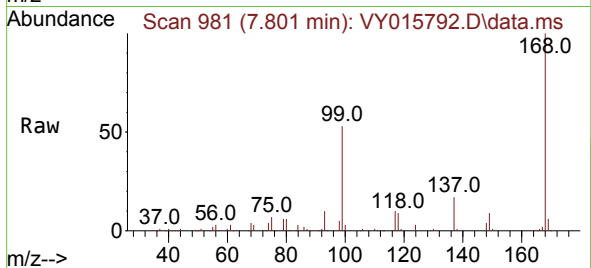
Tgt Ion: 75 Resp: 9330
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



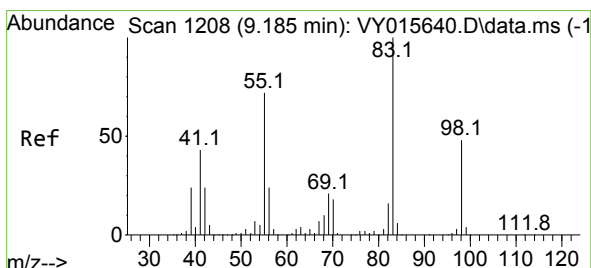
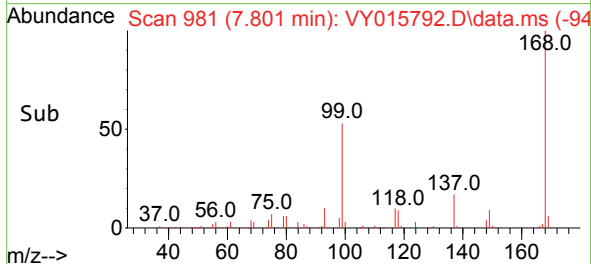
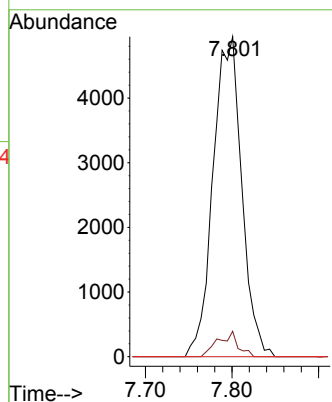


#38
Carbon Tetrachloride
Concen: 5.578 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.092 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Instrument :
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ClientSampleId :

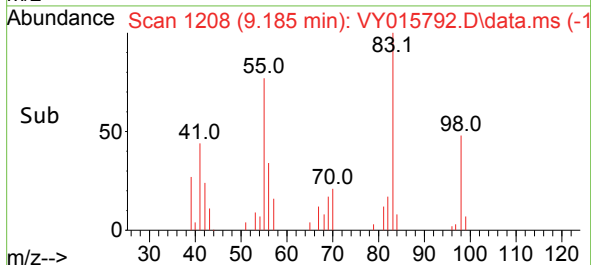
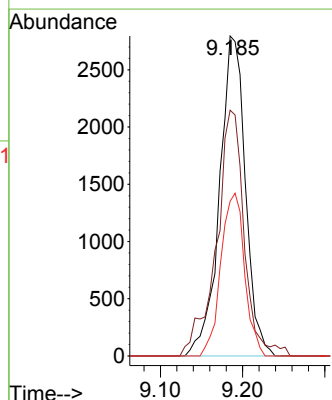
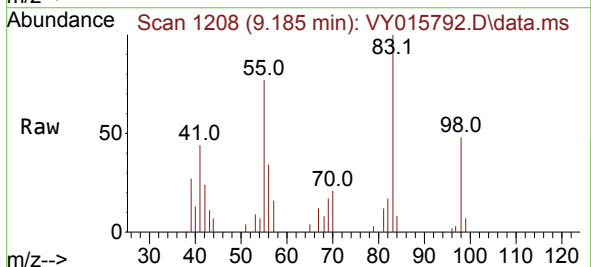


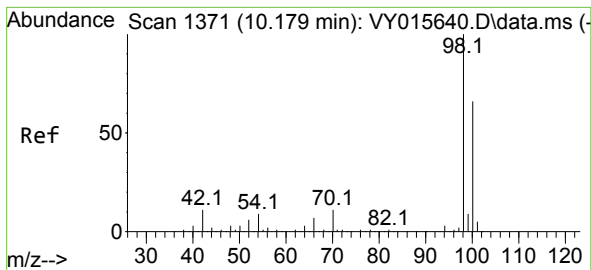
Tgt Ion:117 Resp: 11342
Ion Ratio Lower Upper
117 100
119 8.0 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 2.953 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Tgt Ion: 83 Resp: 6119
Ion Ratio Lower Upper
83 100
55 76.8 63.0 94.4
98 48.4 37.4 56.2





#50

Toluene-d8

Concen: 59.723 ug/l

RT: 10.184 min Scan# 11

Delta R.T. 0.005 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Instrument :

MSVOA_Y

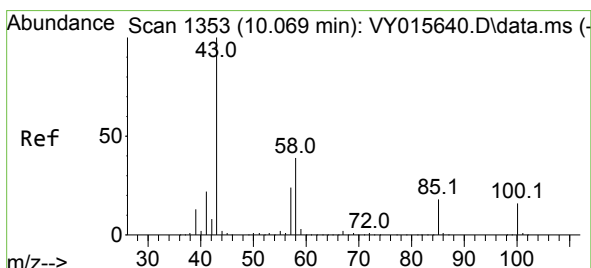
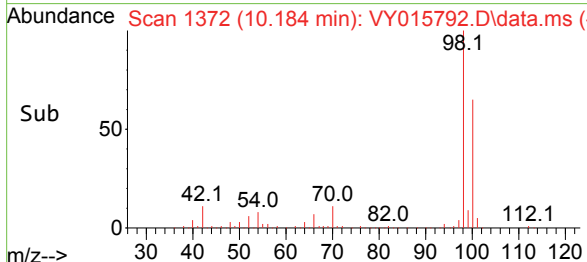
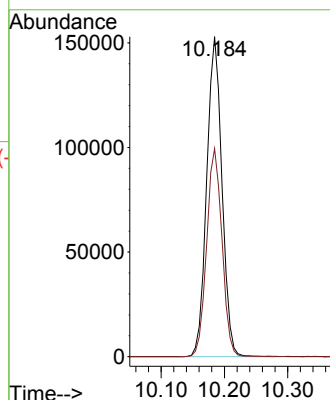
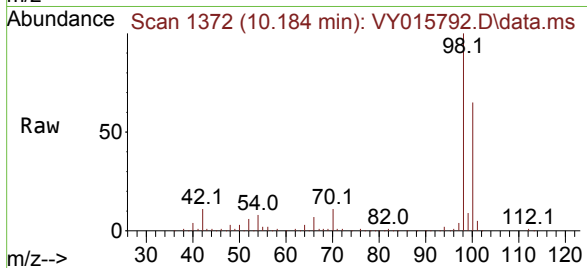
ClientSampleId :

Tgt Ion: 98 Resp: 256548

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 1.592 ug/l

RT: 9.995 min Scan# 1341

Delta R.T. -0.074 min

Lab File: VY015792.D

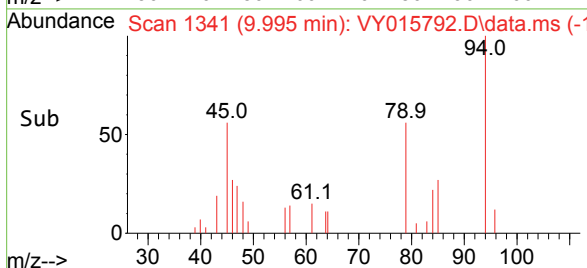
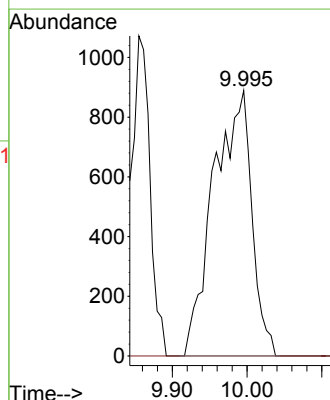
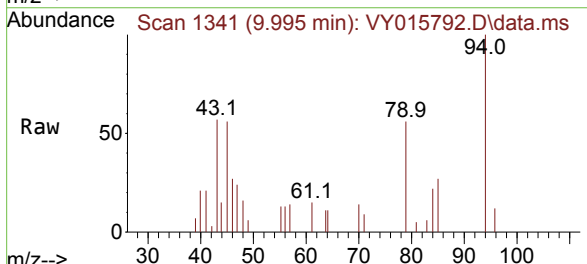
Acq: 02 Oct 2023 21:22

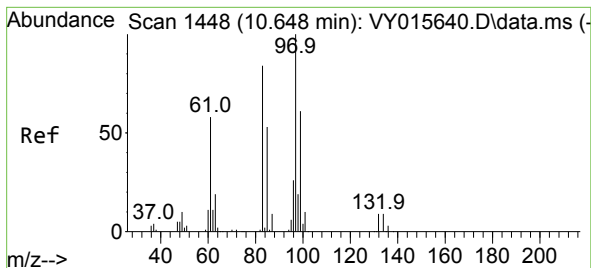
Tgt Ion: 43 Resp: 3150

Ion Ratio Lower Upper

43 100

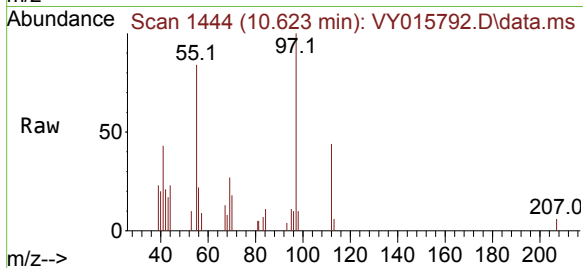
58 0.0 29.0 43.6#



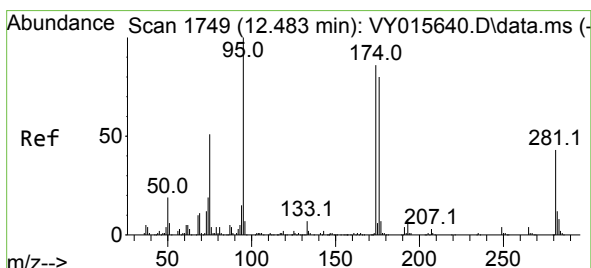
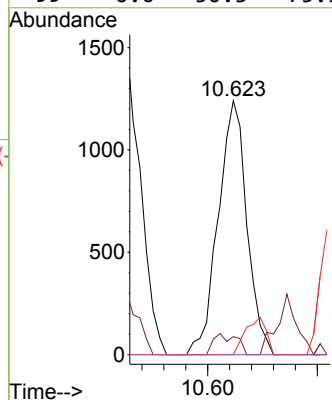
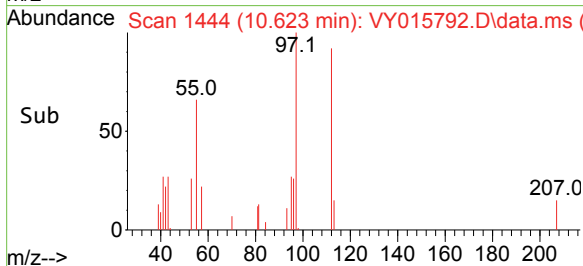


#55
 1,1,2-Trichloroethane
 Concen: 1.506 ug/l
 RT: 10.623 min Scan# 1444
 Delta R.T. -0.019 min
 Lab File: VY015792.D
 Acq: 02 Oct 2023 21:22

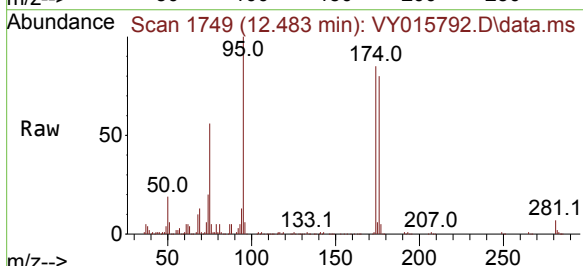
Instrument :
 MSVOA_Y
 ClientSampleId :



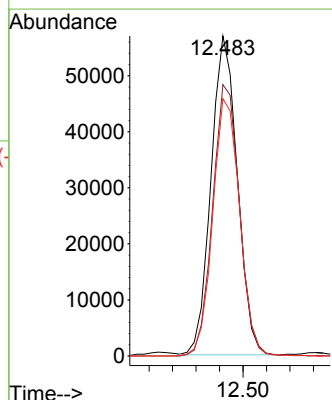
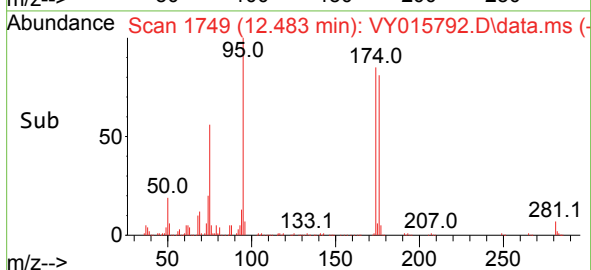
Tgt Ion: 97	Resp:	2249
Ion	Ratio	Lower Upper
97	100	
83	7.1	72.0 108.0#
85	0.0	45.4 68.0#
99	0.0	50.3 75.5#

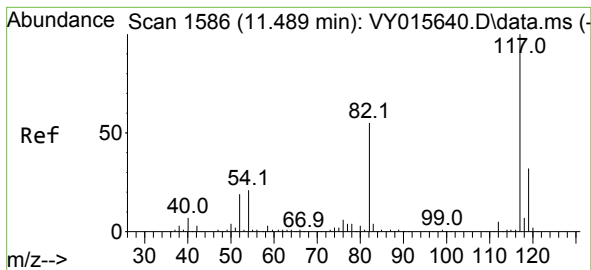


#62
 4-Bromofluorobenzene
 Concen: 52.389 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.006 min
 Lab File: VY015792.D
 Acq: 02 Oct 2023 21:22



Tgt Ion: 95	Resp:	88314
Ion	Ratio	Lower Upper
95	100	
174	86.9	0.0 178.2
176	82.7	0.0 173.8

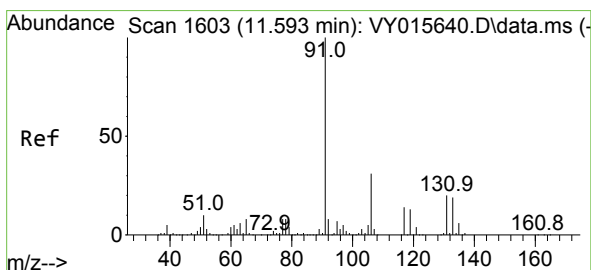
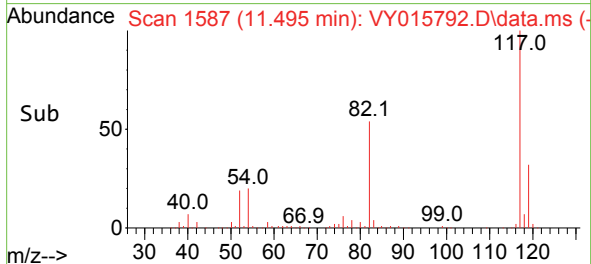
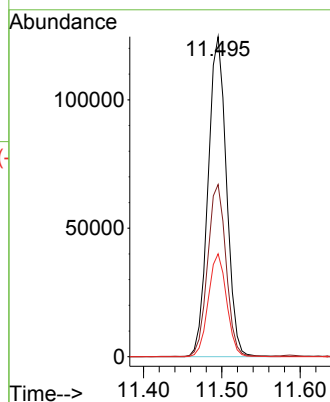
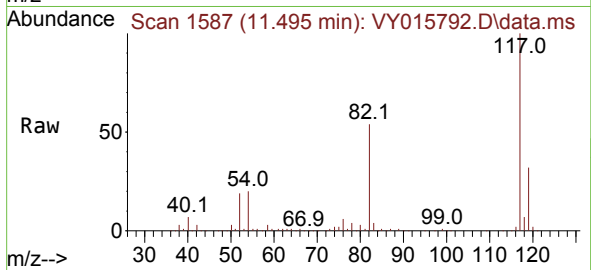




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

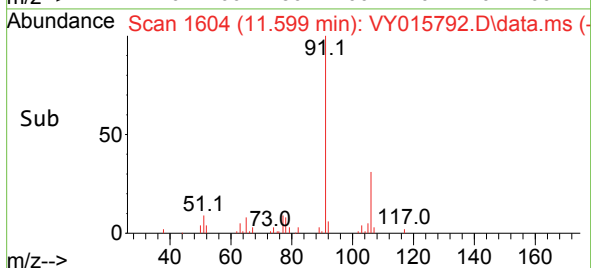
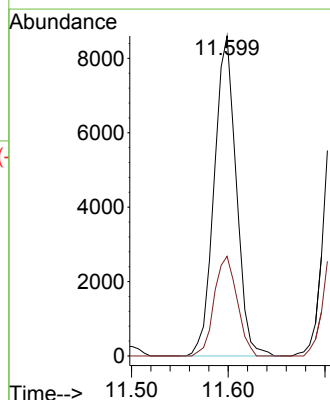
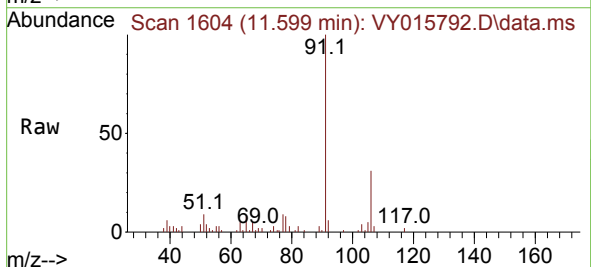
Instrument :
MSVOA_Y
ClientSampleId :

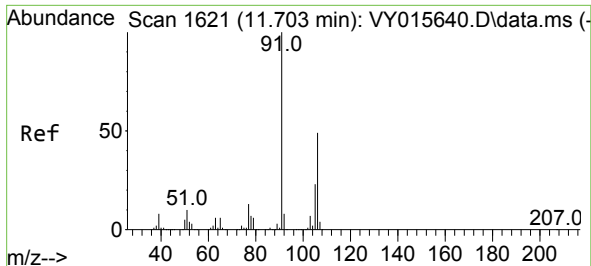
Tgt Ion:117 Resp: 202568
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 32.2 26.3 39.5



#67
Ethyl Benzene
Concen: 1.760 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.012 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Tgt Ion: 91 Resp: 13599
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8

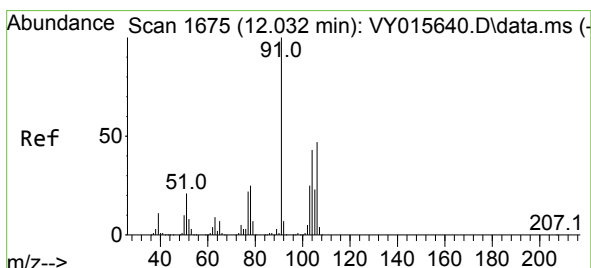
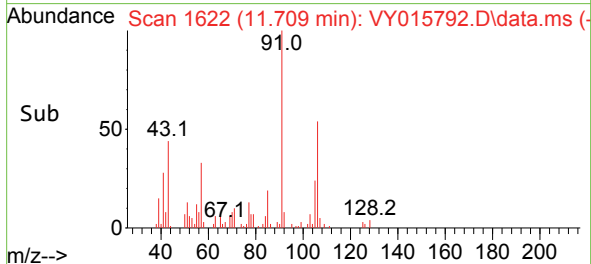
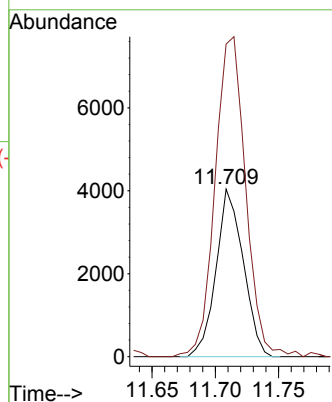
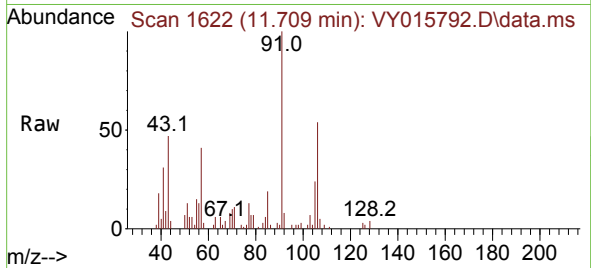




#68
m/p-Xylenes
Concen: 2.056 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

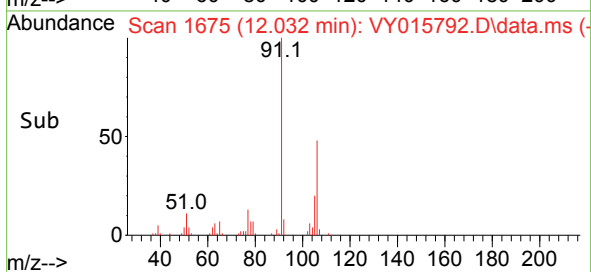
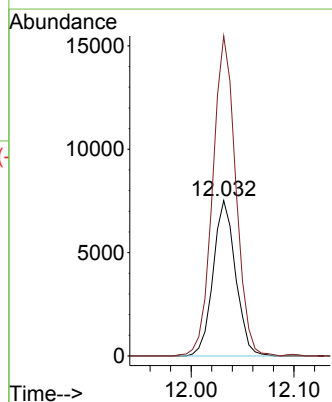
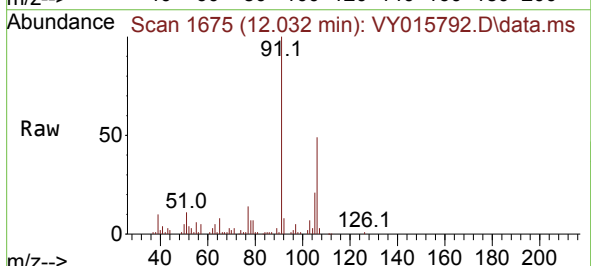
Instrument :
MSVOA_Y
ClientSampleId :

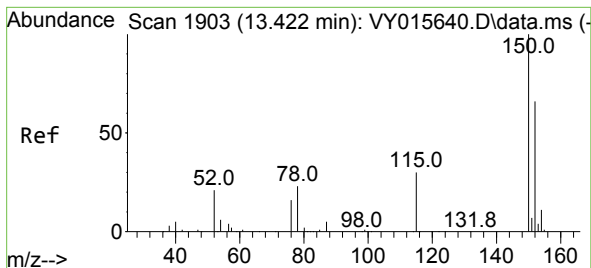
Tgt Ion:106 Resp: 6040
Ion Ratio Lower Upper
106 100
91 214.2 166.1 249.1



#69
o-Xylene
Concen: 3.963 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Tgt Ion:106 Resp: 11416
Ion Ratio Lower Upper
106 100
91 211.9 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Instrument :

MSVOA_Y

ClientSampleId :

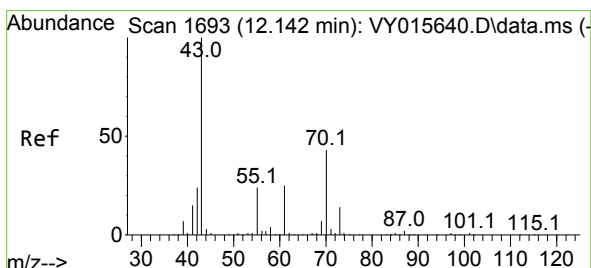
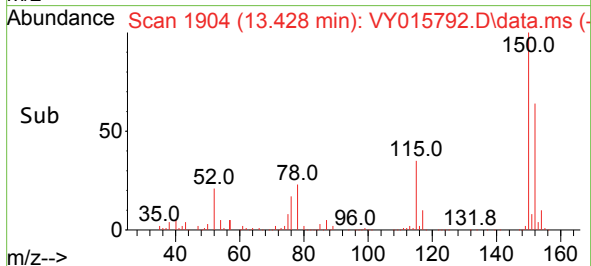
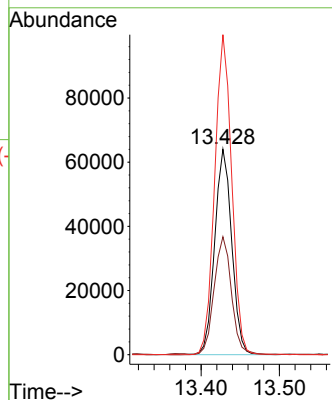
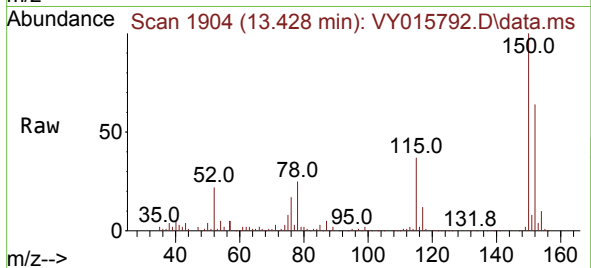
Tgt Ion:152 Resp: 97030

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 155.3 0.0 348.8



#74

N-ethyl acetate

Concen: 1.097 ug/l

RT: 12.129 min Scan# 1691

Delta R.T. -0.013 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Tgt Ion: 43 Resp: 3001

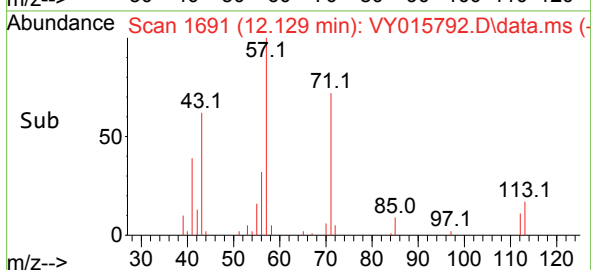
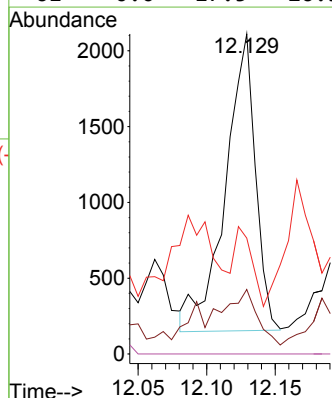
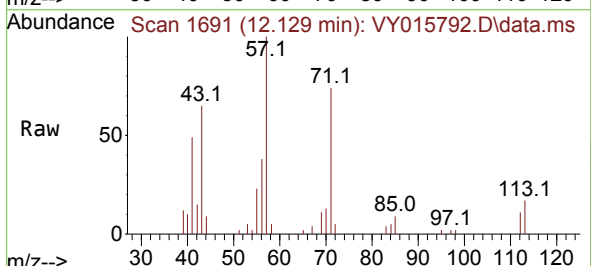
Ion Ratio Lower Upper

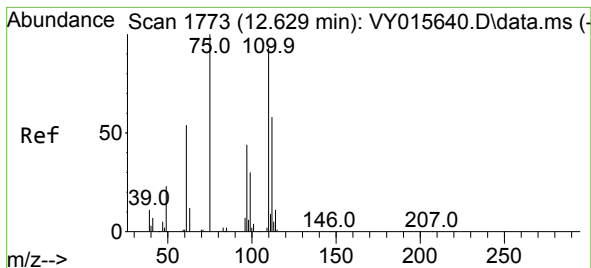
43 100

70 15.8 29.7 44.5#

55 14.6 18.3 27.5#

61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 31.001 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Instrument :

MSVOA_Y

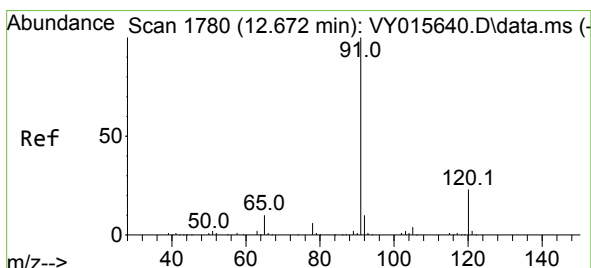
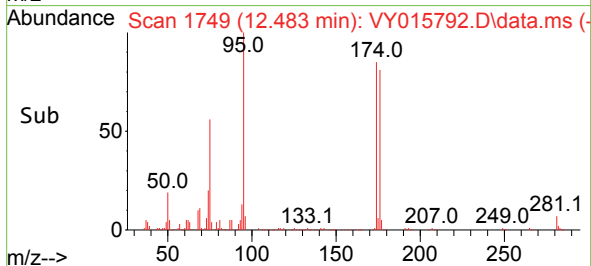
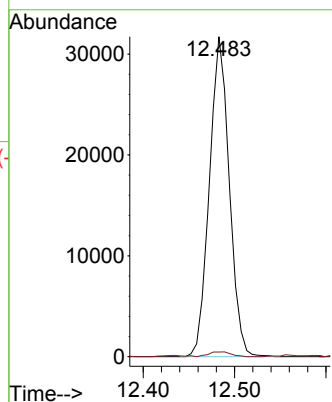
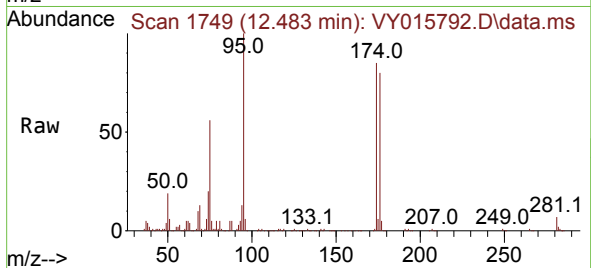
ClientSampleId :

Tgt Ion: 75 Resp: 47988

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#78

n-propylbenzene

Concen: 1.632 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY015792.D

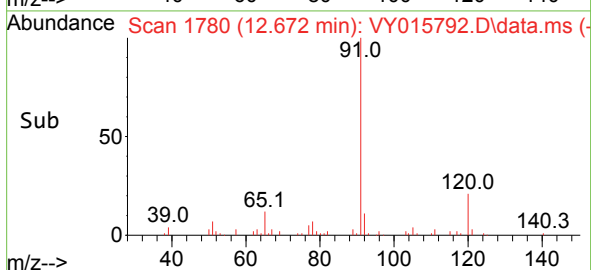
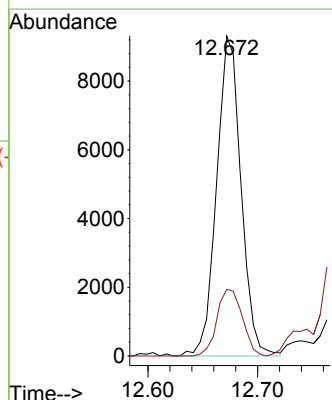
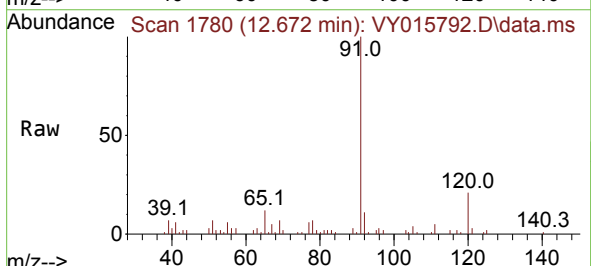
Acq: 02 Oct 2023 21:22

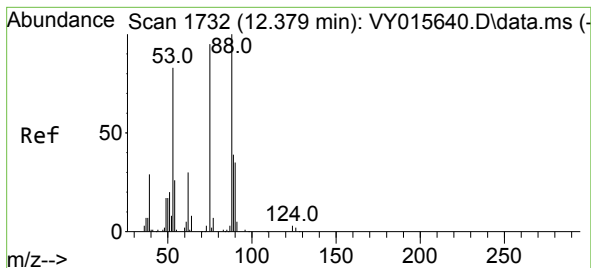
Tgt Ion: 91 Resp: 14428

Ion Ratio Lower Upper

91 100

120 21.6 11.5 34.4

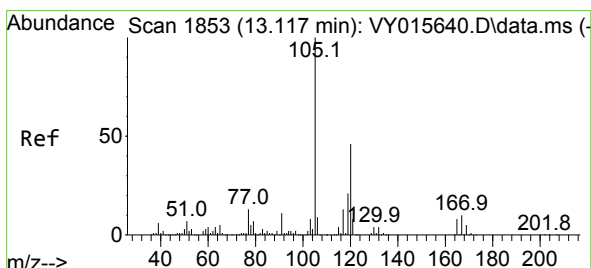
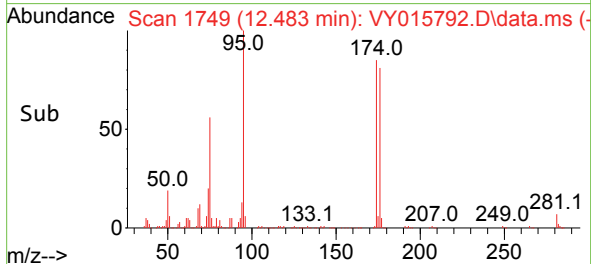
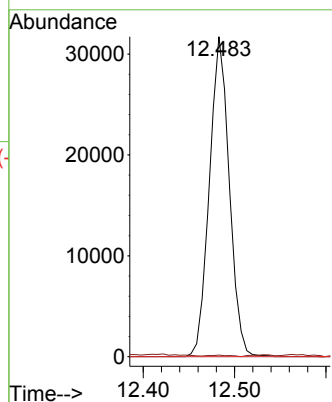
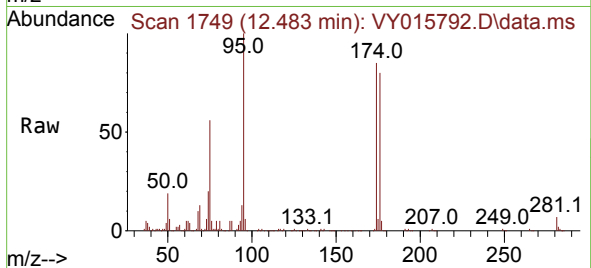




#81
trans-1,4-Dichloro-2-butene
Concen: 69.811 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

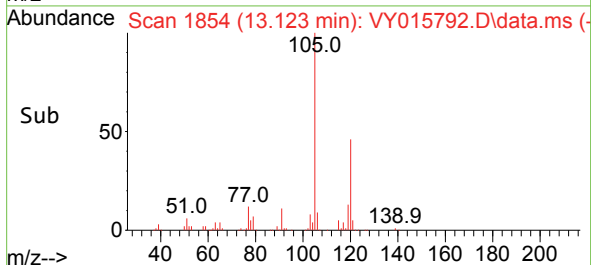
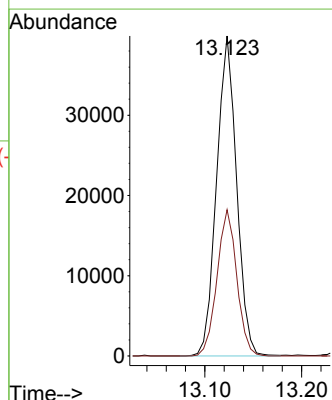
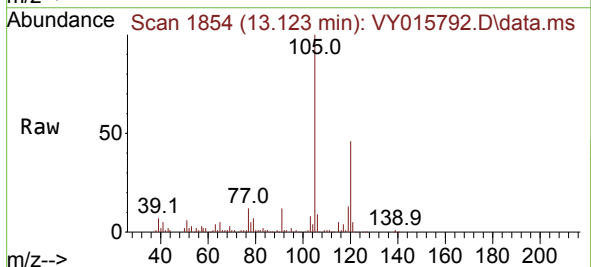
Instrument :
MSVOA_Y
ClientSampleId :

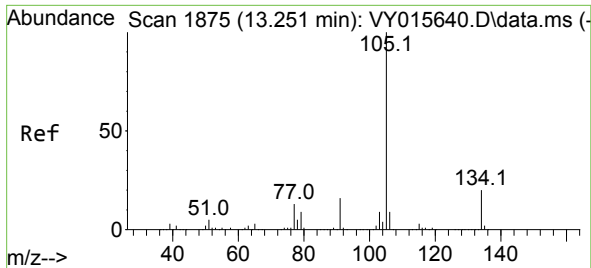
Tgt Ion: 75 Resp: 47988
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 9.379 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Tgt Ion: 105 Resp: 57184
Ion Ratio Lower Upper
105 100
120 45.1 22.2 66.6

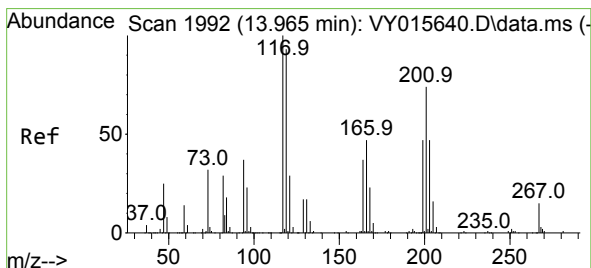
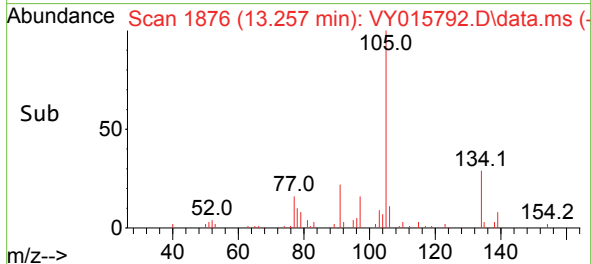
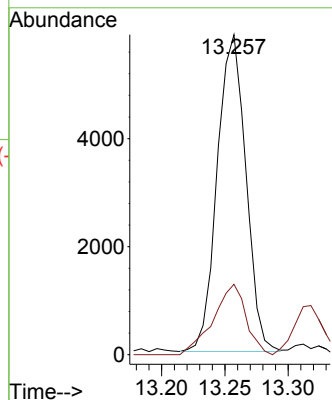
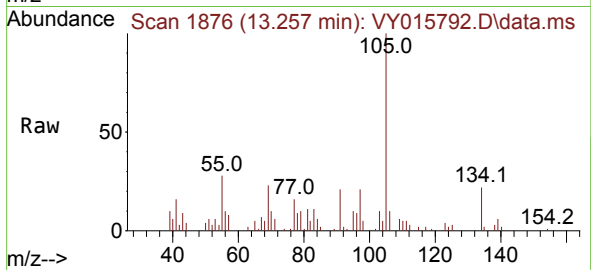




#85
 sec-Butylbenzene
 Concen: 1.156 ug/l
 RT: 13.257 min Scan# 1876
 Delta R.T. 0.006 min
 Lab File: VY015792.D
 Acq: 02 Oct 2023 21:22

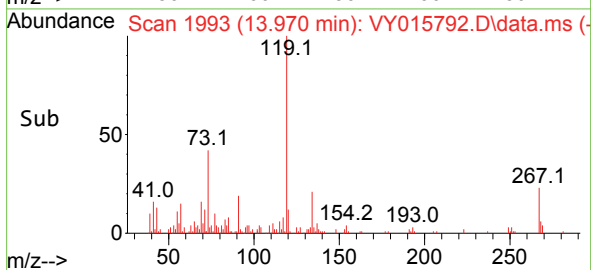
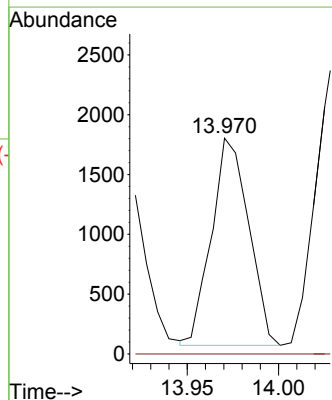
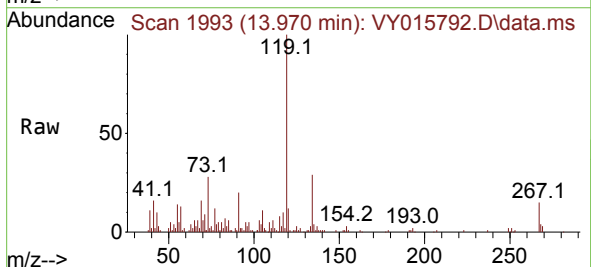
Instrument :
 MSVOA_Y
 ClientSampleId :

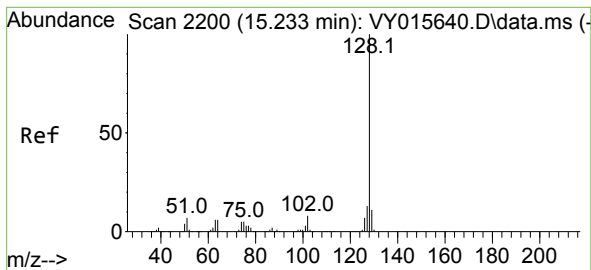
Tgt Ion:105 Resp: 9234
 Ion Ratio Lower Upper
 105 100
 134 25.3 10.2 30.6



#90
 Hexachloroethane
 Concen: 1.911 ug/l
 RT: 13.970 min Scan# 1993
 Delta R.T. 0.011 min
 Lab File: VY015792.D
 Acq: 02 Oct 2023 21:22

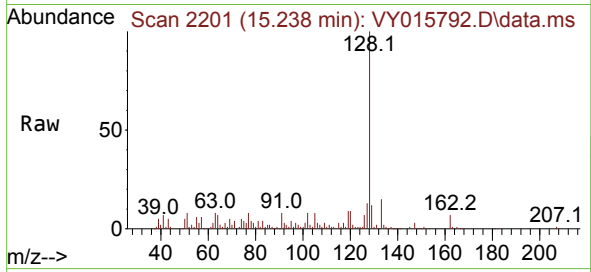
Tgt Ion:117 Resp: 2461
 Ion Ratio Lower Upper
 117 100
 201 0.0 41.6 124.8#





#95
Naphthalene
Concen: 9.102 ug/l
RT: 15.238 min Scan# 21
Delta R.T. 0.005 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 48891
Ion Ratio Lower Upper
128 100
127 14.7 10.8 16.2
129 12.3 8.6 13.0

