

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
 Data File : VY019788.D
 Acq On : 03 Oct 2024 15:18
 Operator : SY/MD
 Sample : P4254-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 01:29:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

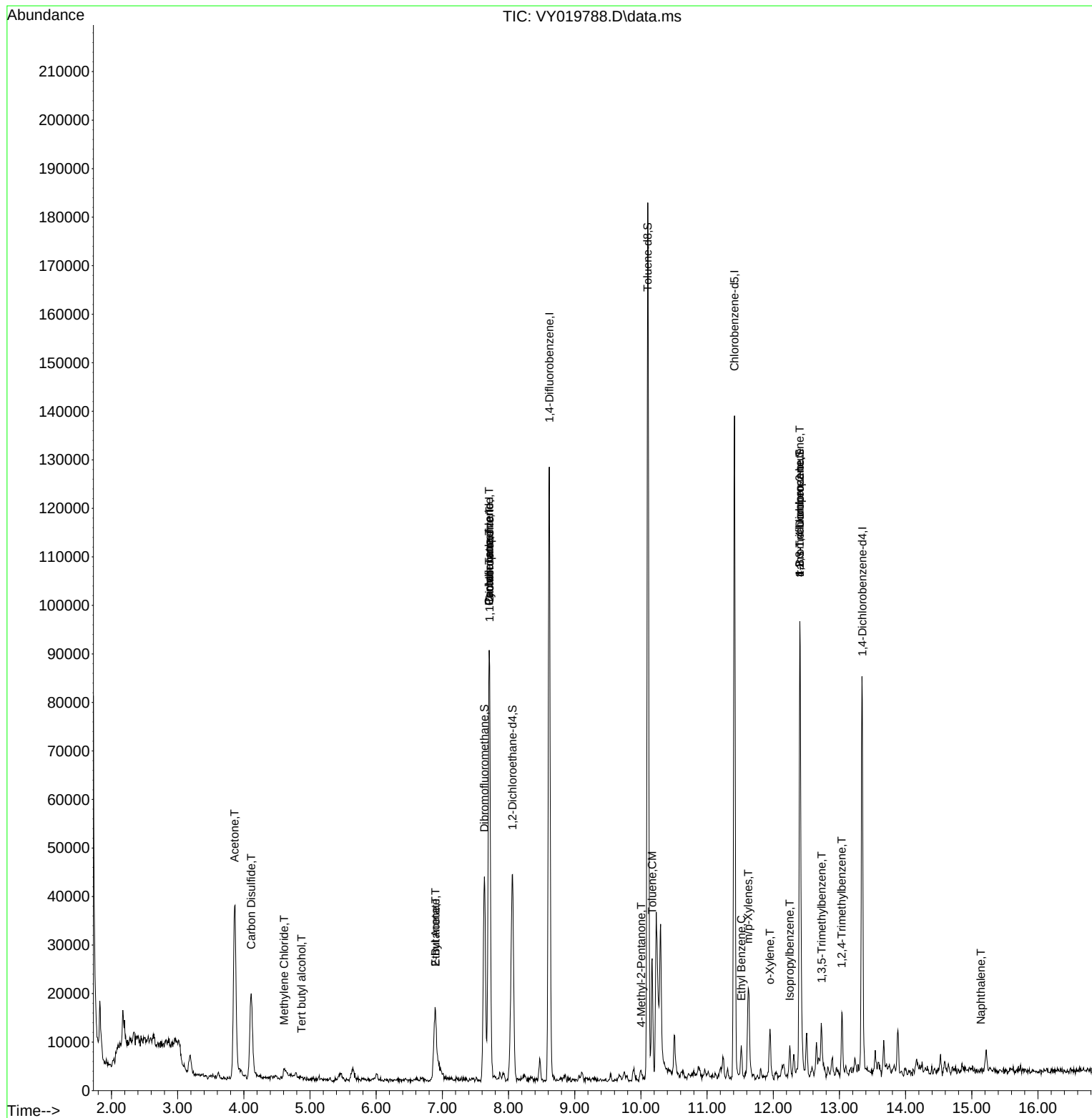
Internal Standards						
1) Pentafluorobenzene	7.707	168	65133	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	104565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	71040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	19993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	28408	47.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.200%
35) Dibromofluoromethane	7.634	113	29668	50.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.080%
50) Toluene-d8	10.103	98	113720	51.859	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.720%
62) 4-Bromofluorobenzene	12.402	95	26865	31.862	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	63.720%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	18	Below Cal	#	43
11) Tert butyl alcohol	4.872	59	66	1.355	ug/l #	88
13) Acrolein	3.659	56	56	Below Cal	#	61
16) Acetone	3.860	43	64517	449.021	ug/l #	85
17) Carbon Disulfide	4.110	76	7542	4.831	ug/l	98
20) Methylene Chloride	4.610	84	1344	2.051	ug/l #	82
25) 2-Butanone	6.896	43	11356	55.570	ug/l	92
31) Cyclohexane	7.707	56	1953	1.809	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	5685	7.047	ug/l #	50
37) Ethyl Acetate	6.896	43	11356	27.474	ug/l #	73
38) Carbon Tetrachloride	7.707	117	7230	7.947	ug/l #	15
51) 4-Methyl-2-Pentanone	10.006	43	1751	4.008	ug/l	89
52) Toluene	10.170	92	9788	6.125	ug/l	97
67) Ethyl Benzene	11.518	91	4312	1.737	ug/l	90
68) m/p-Xylenes	11.621	106	5325	5.672	ug/l	94
69) o-Xylene	11.950	106	2467	2.687	ug/l	94
73) Isopropylbenzene	12.249	105	2809	1.937	ug/l	96
76) 1,2,3-Trichloropropane	12.402	75	14850	79.245	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.731	105	2119	1.797	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.402	75	14850	152.128	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.036	105	6556	5.617	ug/l	89
95) Naphthalene	15.139	128	860	1.266	ug/l #	89

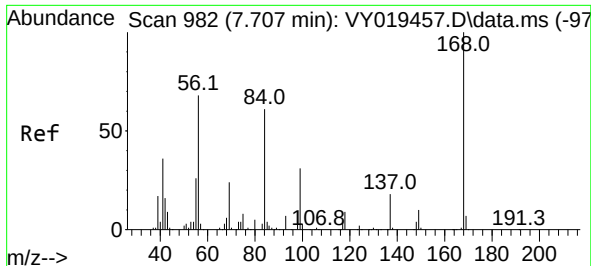
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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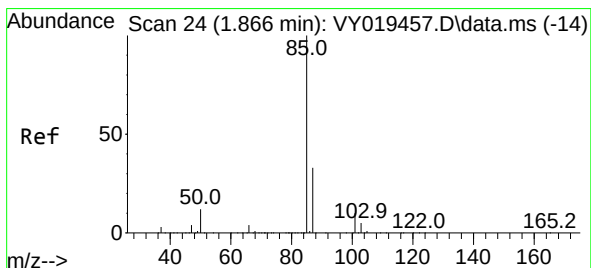
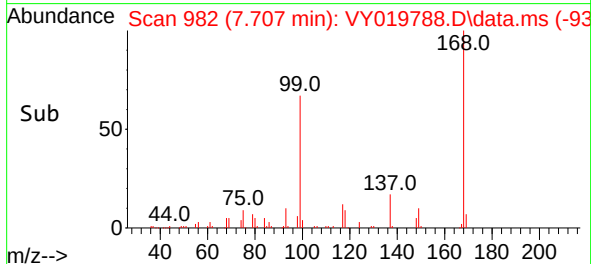
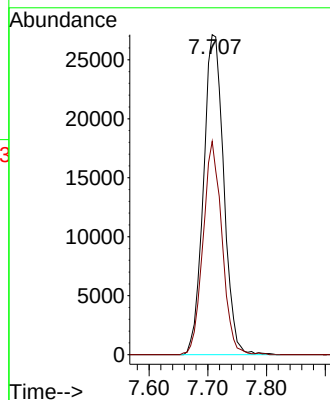
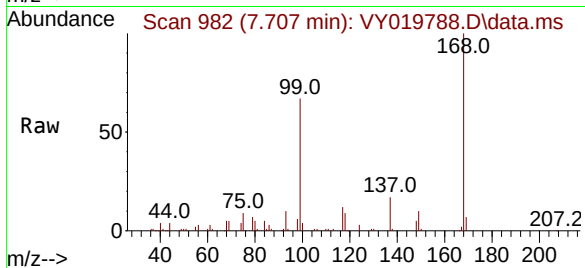




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

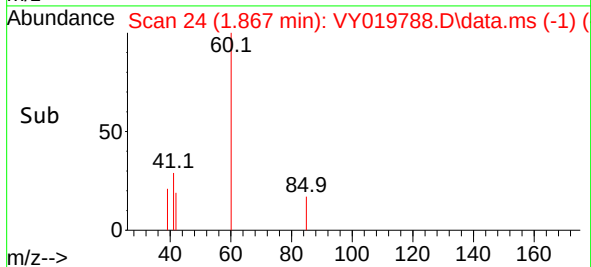
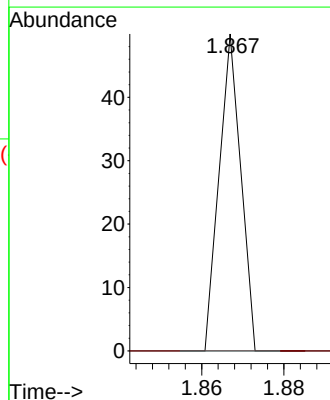
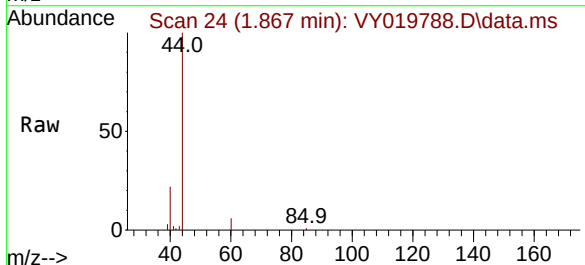
Instrument :
MSVOA_Y
ClientSampleId :

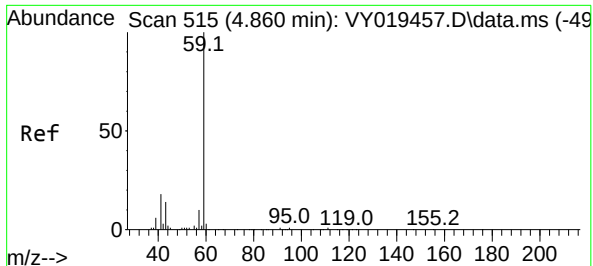
Tgt Ion:168 Resp: 65133
Ion Ratio Lower Upper
168 100
99 66.6 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

Tgt Ion: 85 Resp: 18
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 1.355 ug/l

RT: 4.872 min Scan# 51

Delta R.T. 0.013 min

Lab File: VY019788.D

Acq: 03 Oct 2024 15:18

Instrument :

MSVOA_Y

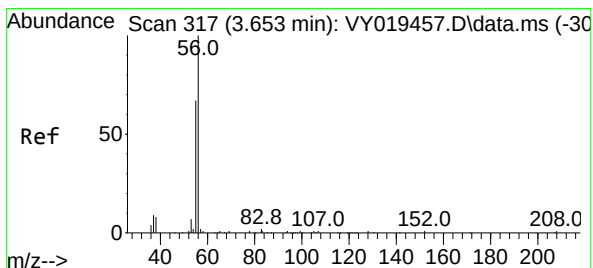
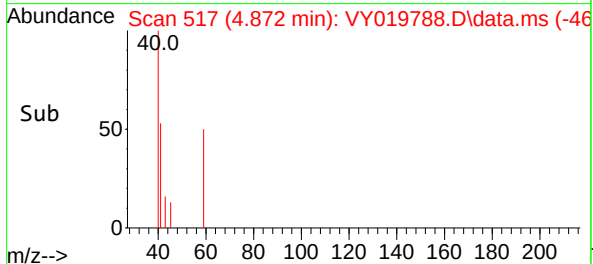
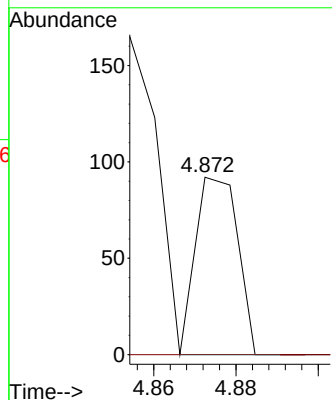
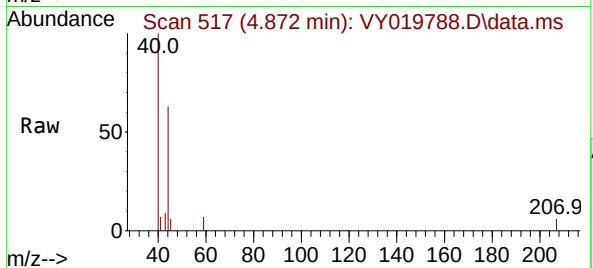
ClientSampleId :

Tgt Ion: 59 Resp: 66

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.659 min Scan# 318

Delta R.T. 0.006 min

Lab File: VY019788.D

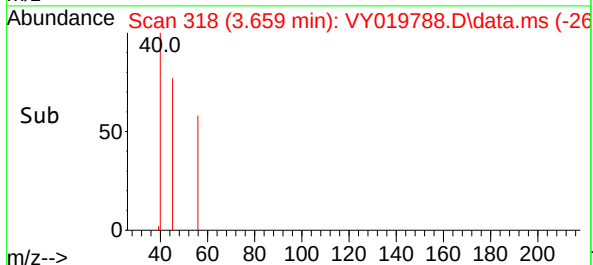
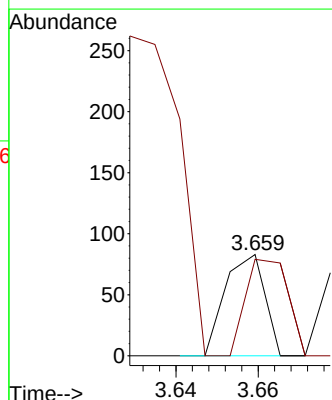
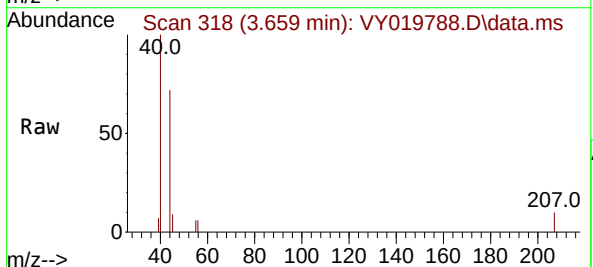
Acq: 03 Oct 2024 15:18

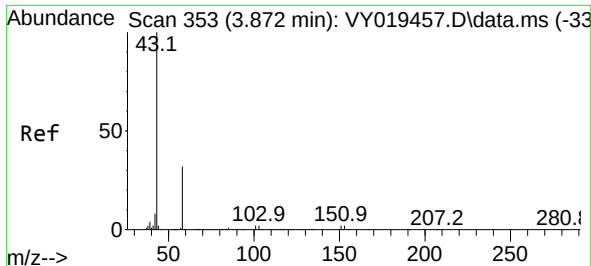
Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

56 100

55 101.8 55.7 83.5#

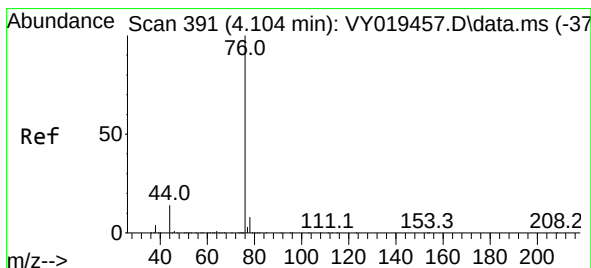
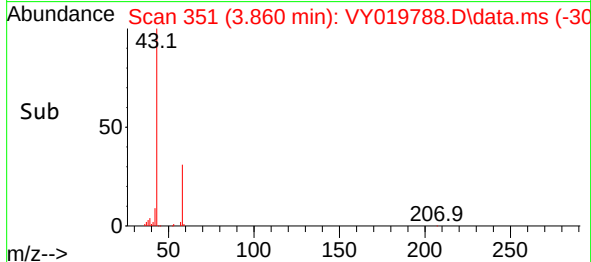
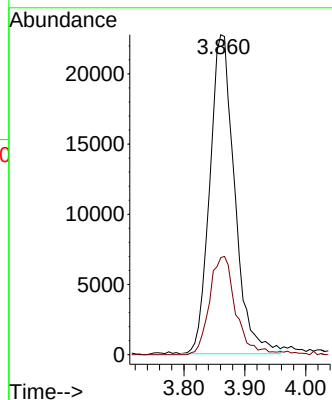
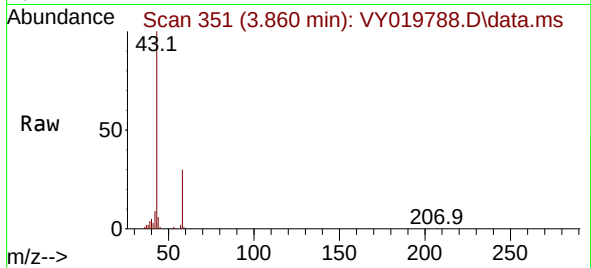




#16
Acetone
Concen: 449.021 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

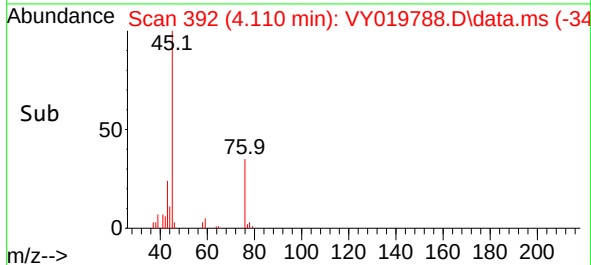
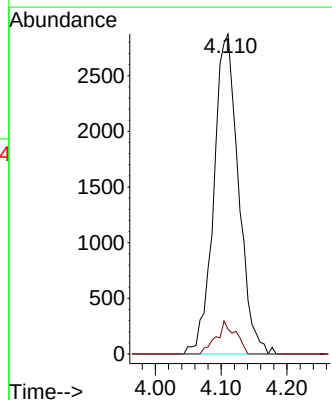
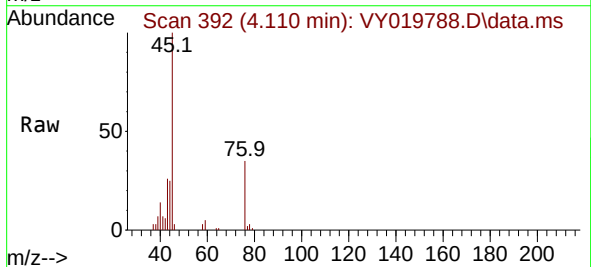
Instrument :
MSVOA_Y
ClientSampleId :

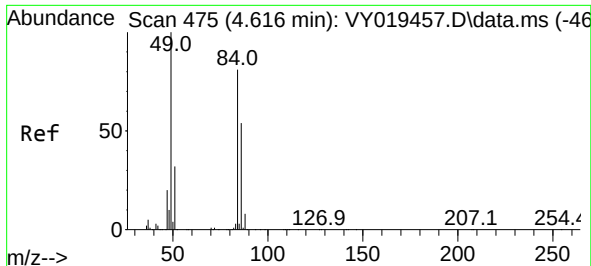
Tgt Ion: 43 Resp: 64517
Ion Ratio Lower Upper
43 100
58 30.4 31.7 47.5#



#17
Carbon Disulfide
Concen: 4.831 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

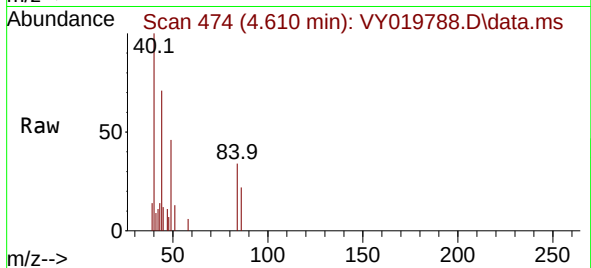
Tgt Ion: 76 Resp: 7542
Ion Ratio Lower Upper
76 100
78 7.7 6.8 10.2



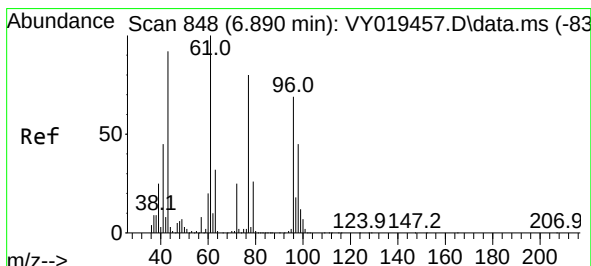
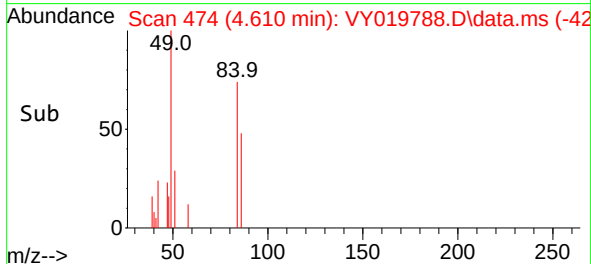
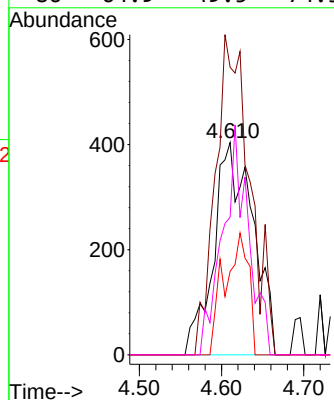


#20
Methylene Chloride
Concen: 2.051 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

Instrument :
MSVOA_Y
ClientSampleId :

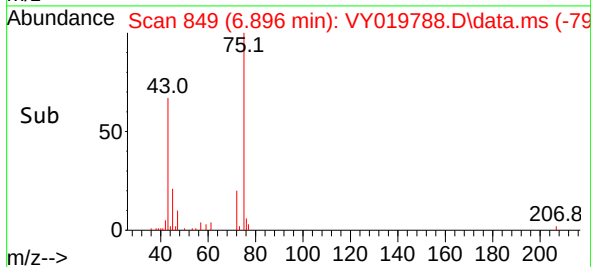
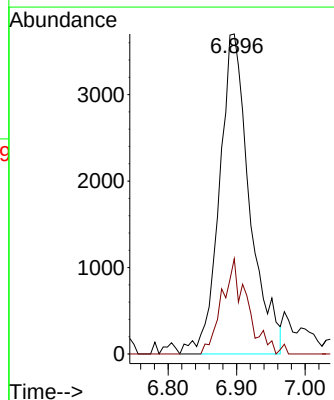
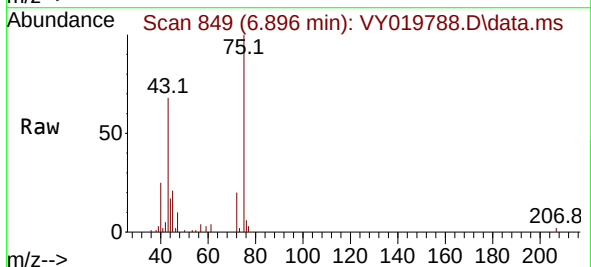


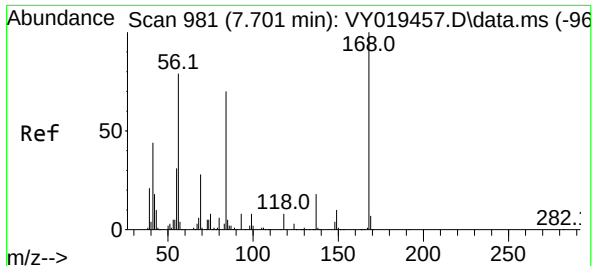
Tgt Ion:	84	Resp:	1344
Ion	Ratio	Lower	Upper
84	100		
49	135.4	84.4	126.6#
51	39.4	26.0	39.0#
86	64.9	49.5	74.3



#25
2-Butanone
Concen: 55.570 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

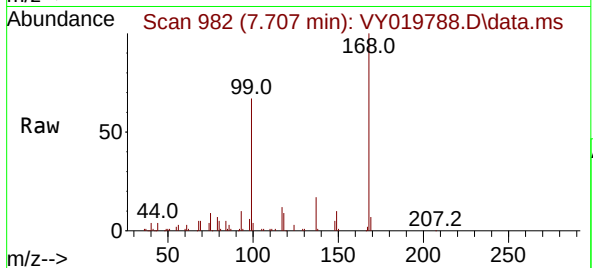
Tgt Ion:	43	Resp:	11356
Ion	Ratio	Lower	Upper
43	100		
72	29.8	27.3	40.9



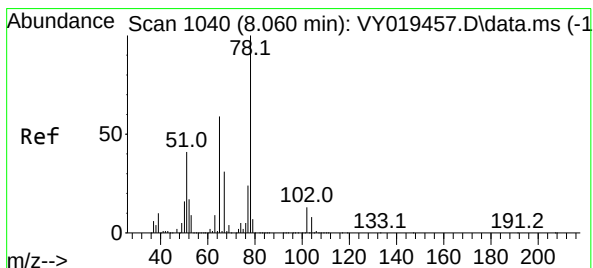
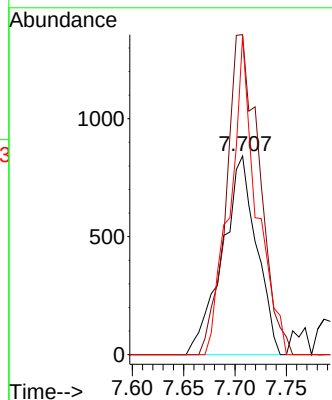
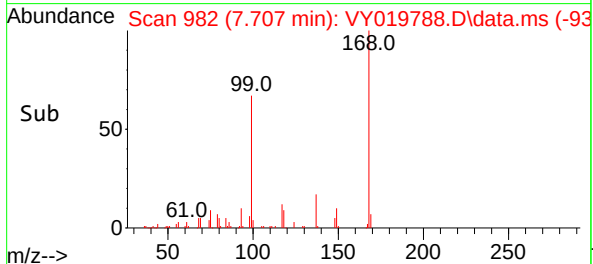


#31
Cyclohexane
Concen: 1.809 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

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ClientSampleId :

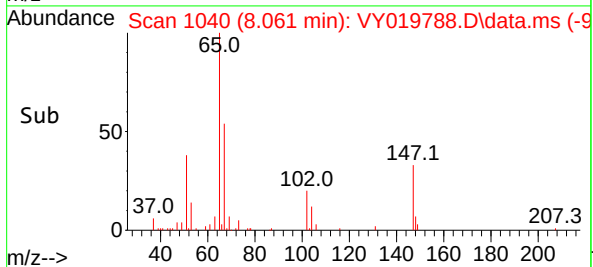
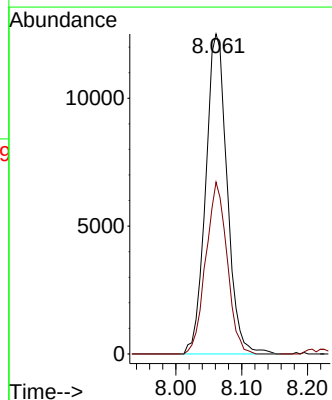
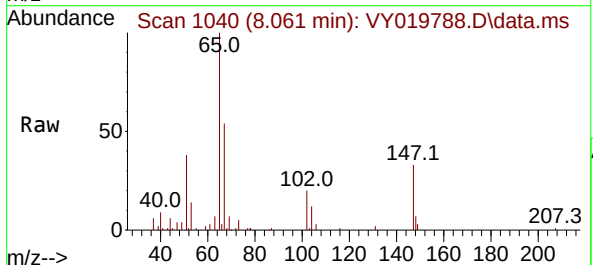


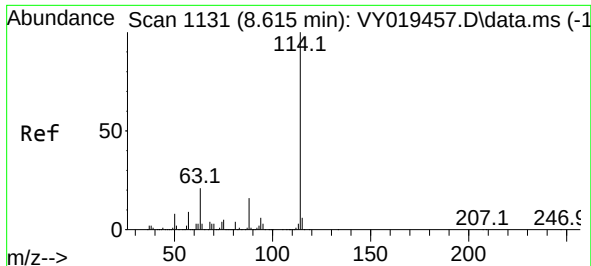
Tgt Ion: 56 Resp: 1953
Ion Ratio Lower Upper
56 100
69 161.0 28.7 43.1#
84 160.2 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 47.102 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

Tgt Ion: 65 Resp: 28408
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.6

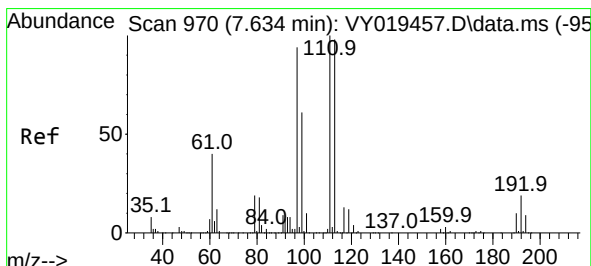
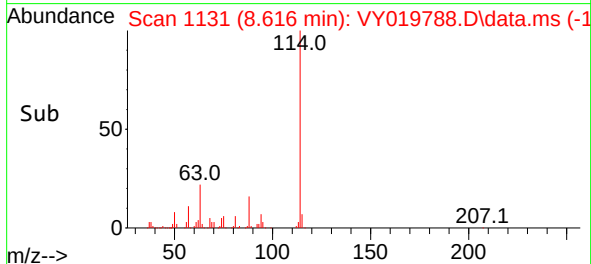
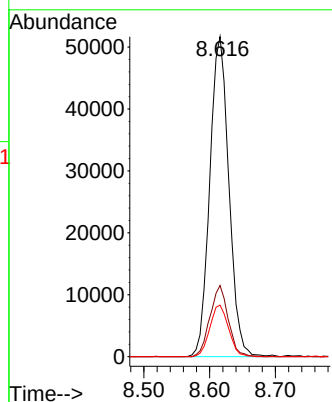
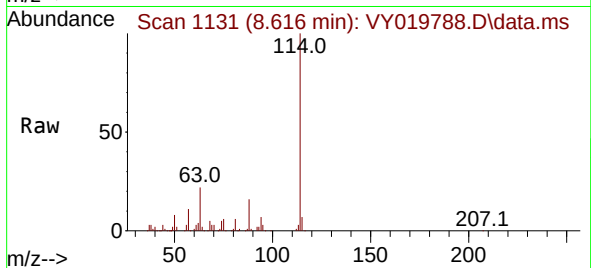




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

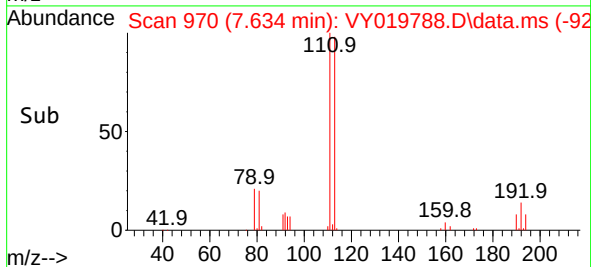
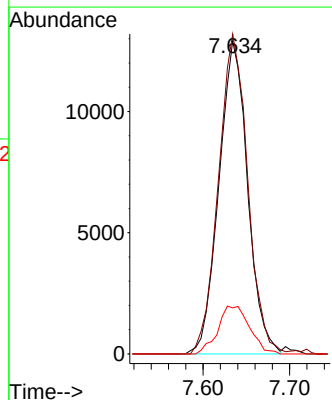
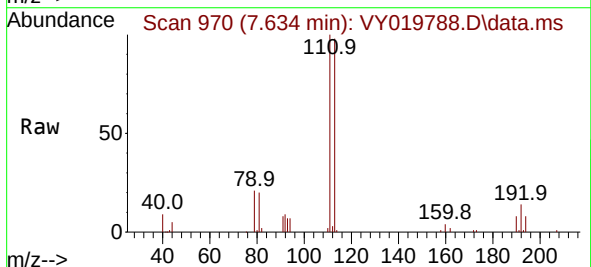
Instrument :
MSVOA_Y
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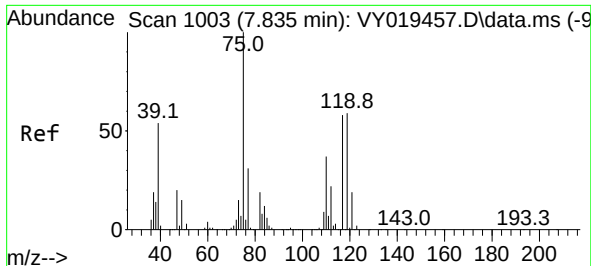
Tgt Ion:114 Resp: 104565
Ion Ratio Lower Upper
114 100
63 22.3 0.0 35.0
88 16.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 50.042 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

Tgt Ion:113 Resp: 29668
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.4
192 17.0 15.9 23.9

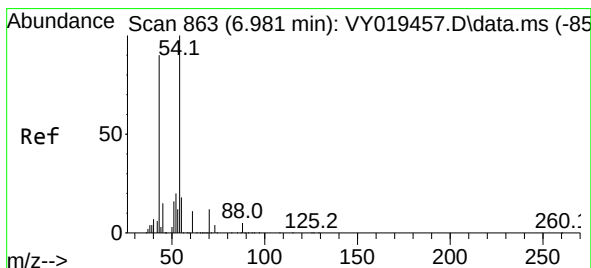
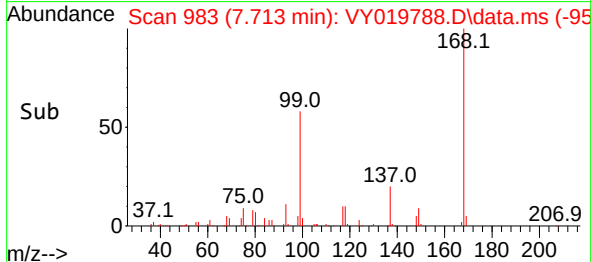
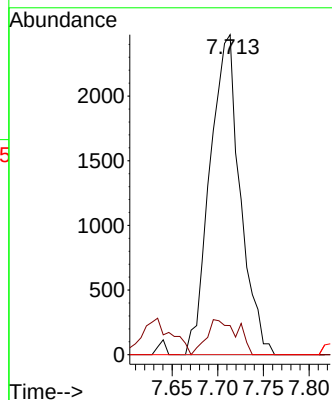
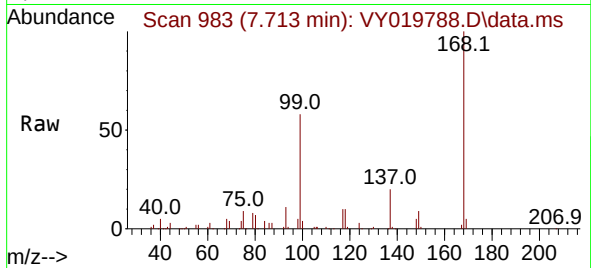




#36
1,1-Dichloropropene
Concen: 7.047 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

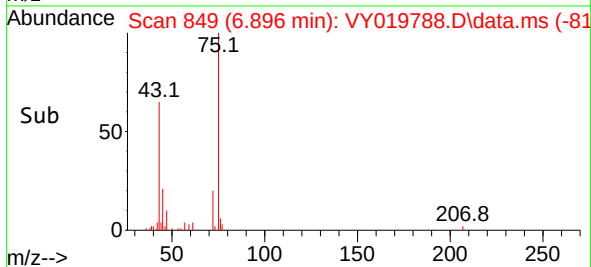
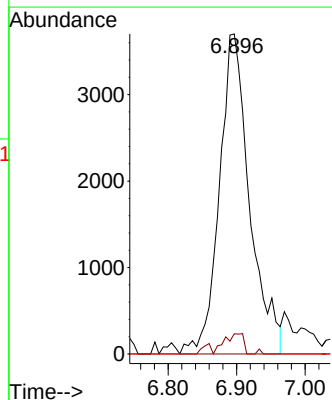
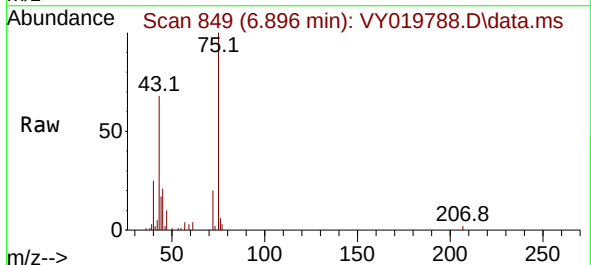
Instrument :
MSVOA_Y
ClientSampleId :

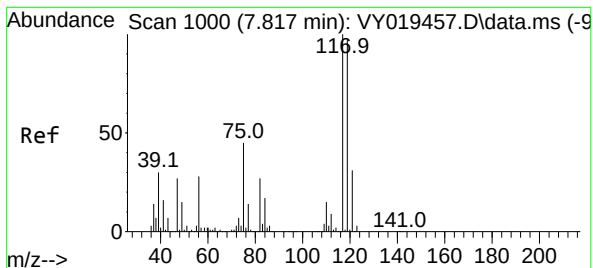
Tgt Ion: 75 Resp: 5685
Ion Ratio Lower Upper
75 100
110 11.2 19.0 57.0#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 27.474 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.085 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

Tgt Ion: 43 Resp: 11356
Ion Ratio Lower Upper
43 100
61 4.0 12.6 19.0#
70 0.0 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 7.947 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.109 min

Lab File: VY019788.D

Acq: 03 Oct 2024 15:18

Instrument :

MSVOA_Y

ClientSampleId :

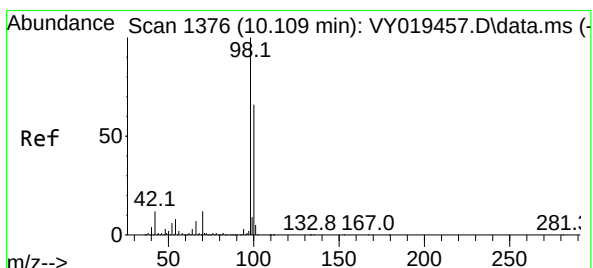
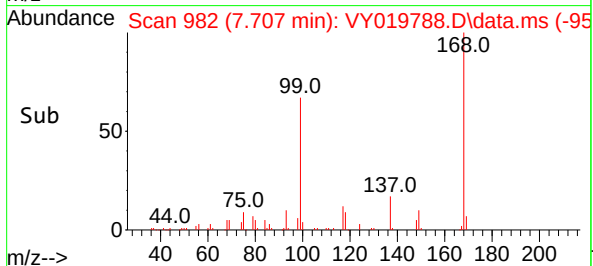
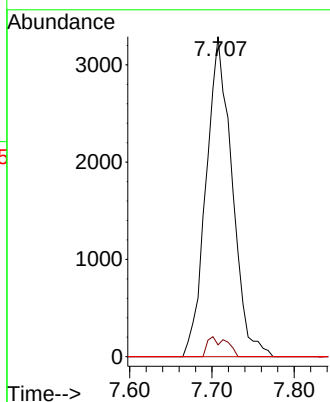
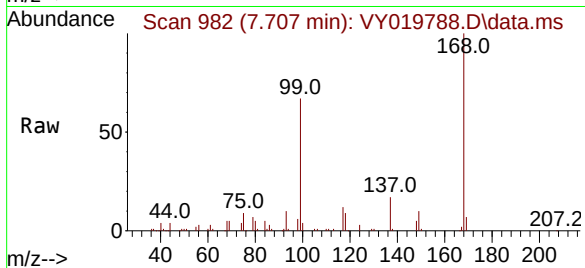
Tgt Ion:117 Resp: 7230

Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 51.859 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019788.D

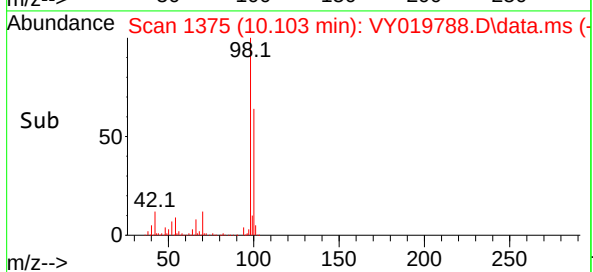
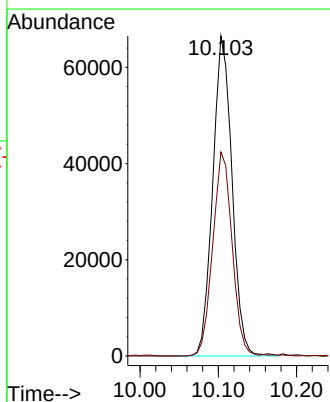
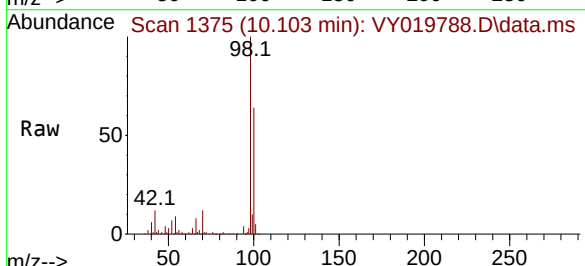
Acq: 03 Oct 2024 15:18

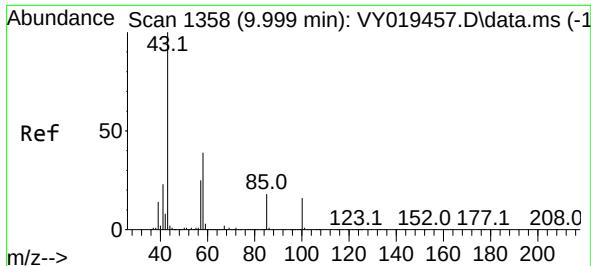
Tgt Ion: 98 Resp: 113720

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 4.008 ug/l

RT: 10.006 min Scan# 1359

Delta R.T. 0.006 min

Lab File: VY019788.D

Acq: 03 Oct 2024 15:18

Instrument :

MSVOA_Y

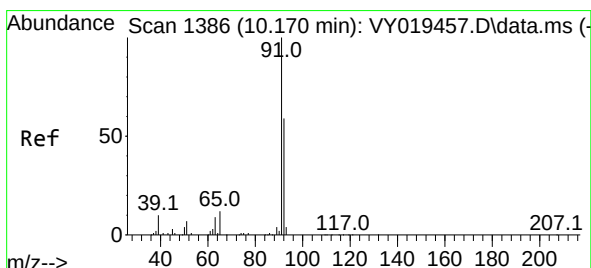
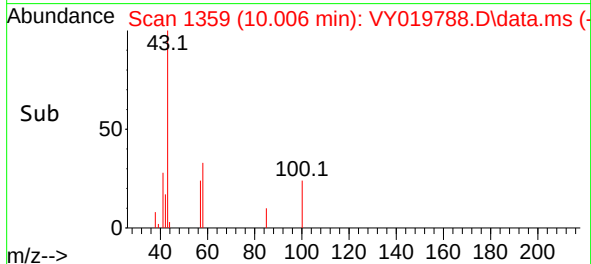
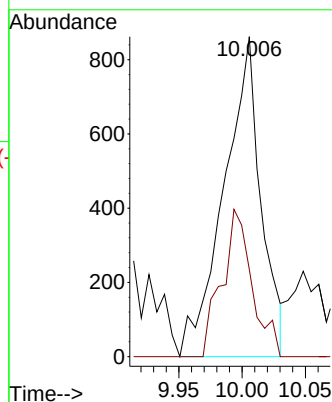
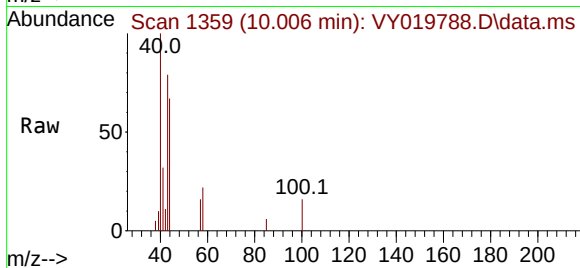
ClientSampleId :

Tgt Ion: 43 Resp: 1751

Ion Ratio Lower Upper

43 100

58 37.7 35.7 53.5



#52

Toluene

Concen: 6.125 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY019788.D

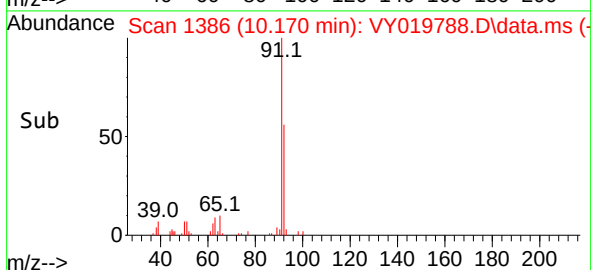
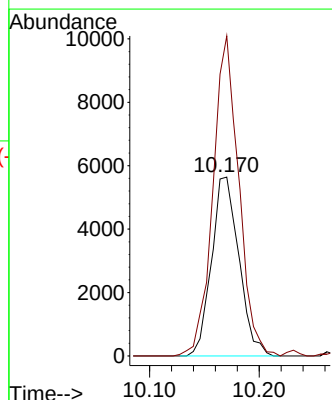
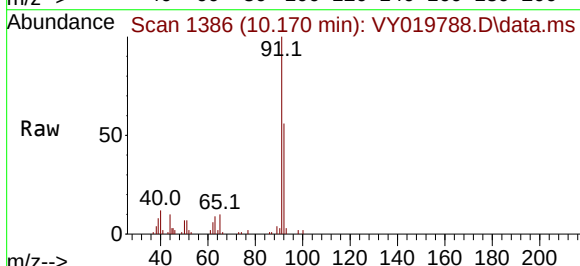
Acq: 03 Oct 2024 15:18

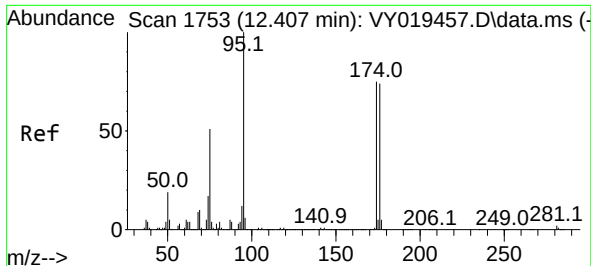
Tgt Ion: 92 Resp: 9788

Ion Ratio Lower Upper

92 100

91 168.9 139.0 208.6

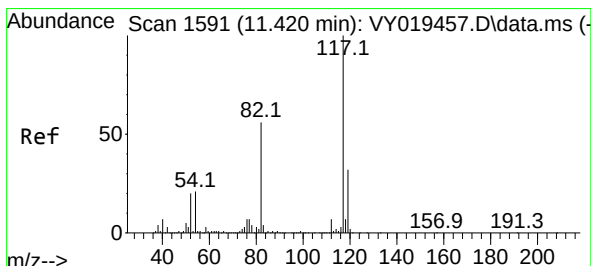
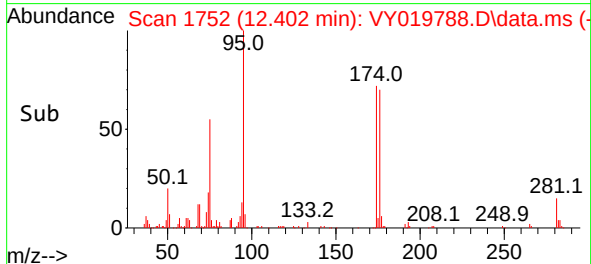
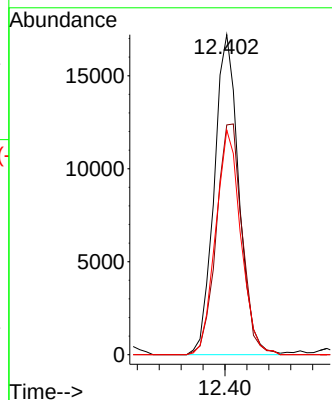
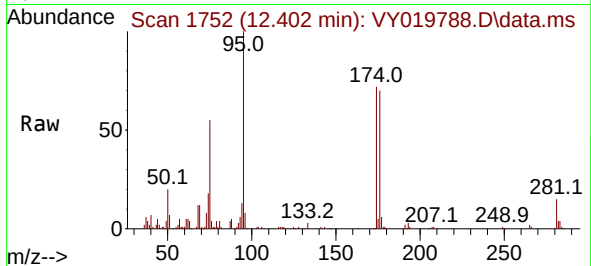




#62
4-Bromofluorobenzene
Concen: 31.862 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

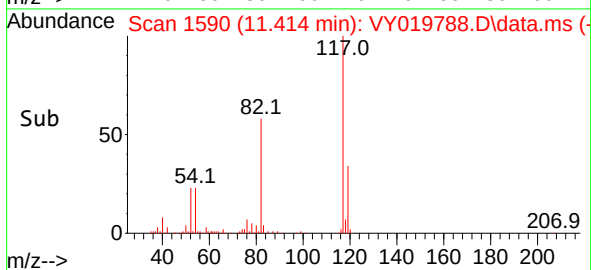
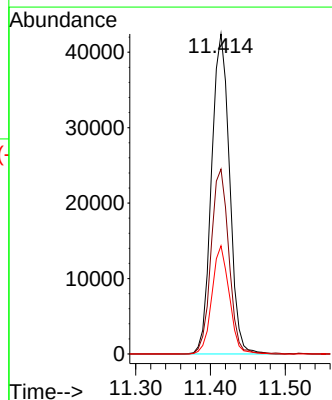
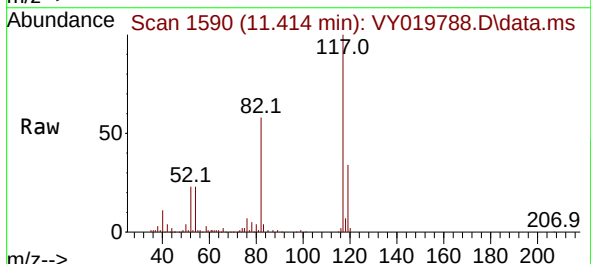
Instrument :
MSVOA_Y
ClientSampleId :

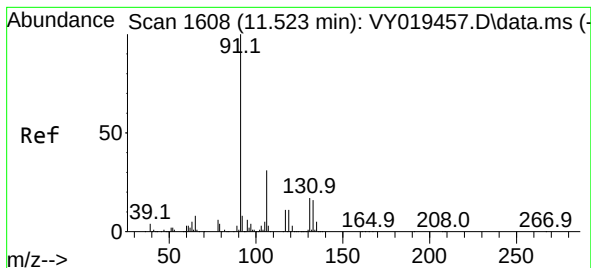
Tgt Ion: 95 Resp: 26865
Ion Ratio Lower Upper
95 100
174 75.2 0.0 175.6
176 72.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

Tgt Ion: 117 Resp: 71040
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 33.8 25.9 38.9





#67

Ethyl Benzene

Concen: 1.737 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019788.D

Acq: 03 Oct 2024 15:18

Instrument :

MSVOA_Y

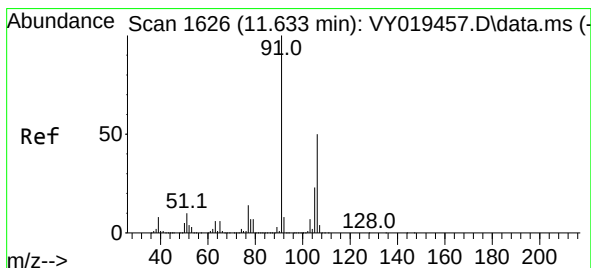
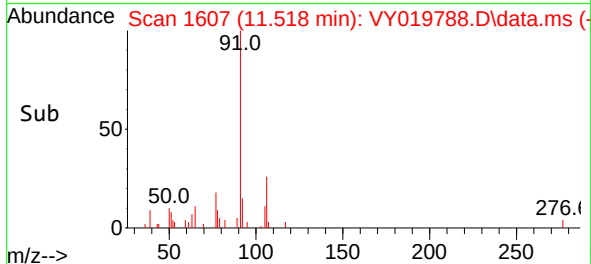
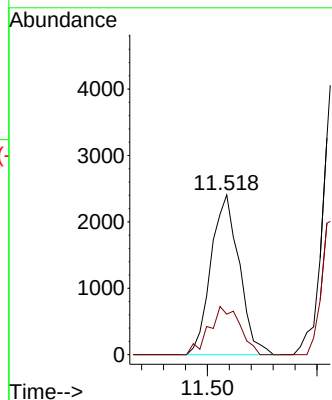
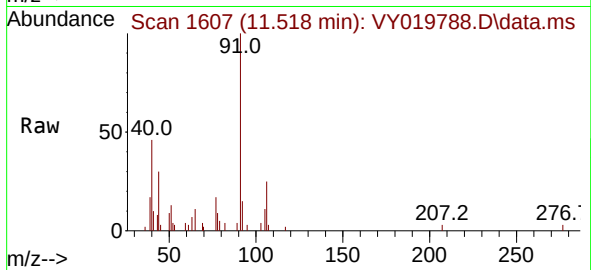
ClientSampleId :

Tgt Ion: 91 Resp: 4312

Ion Ratio Lower Upper

91 100

106 25.3 24.5 36.7



#68

m/p-Xylenes

Concen: 5.672 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY019788.D

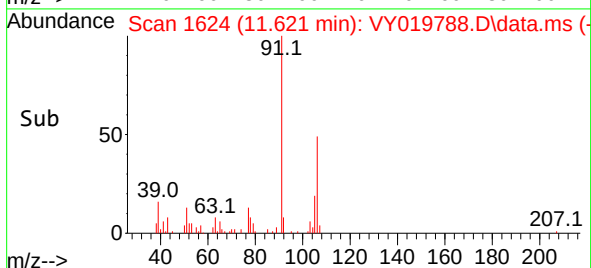
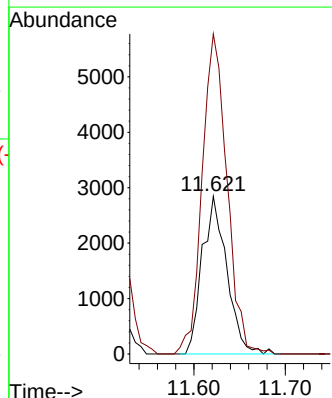
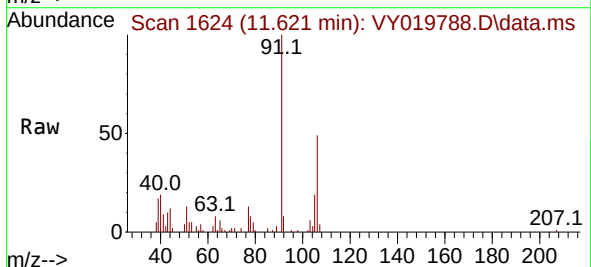
Acq: 03 Oct 2024 15:18

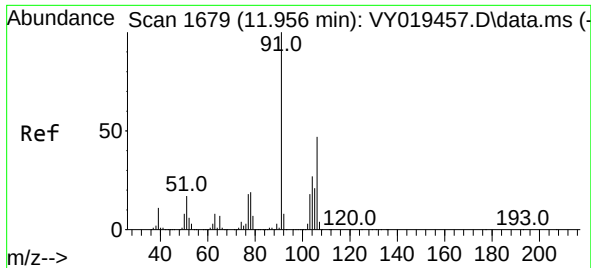
Tgt Ion: 106 Resp: 5325

Ion Ratio Lower Upper

106 100

91 204.3 156.0 234.0

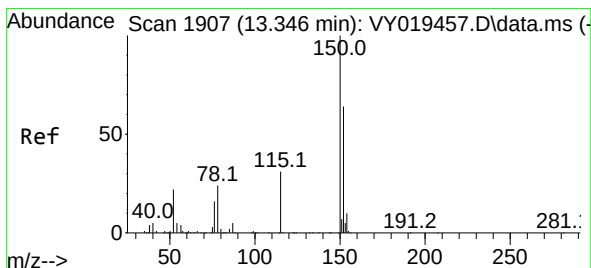
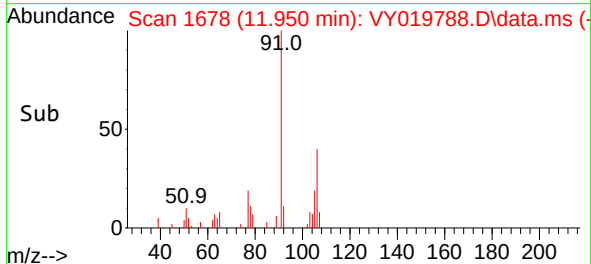
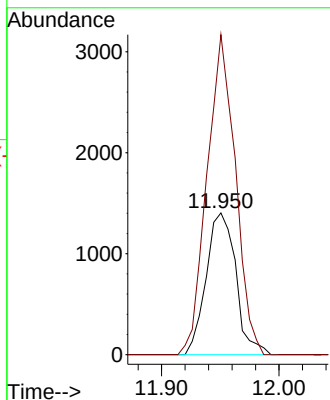
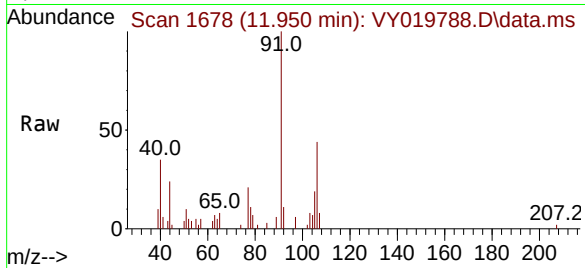




#69
o-Xylene
Concen: 2.687 ug/l
RT: 11.950 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

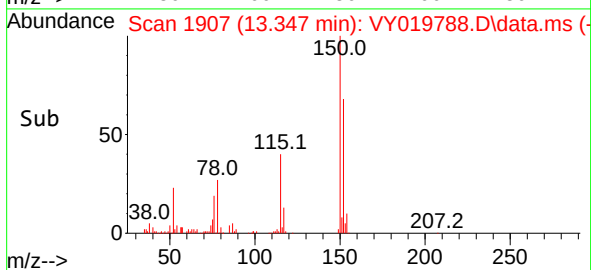
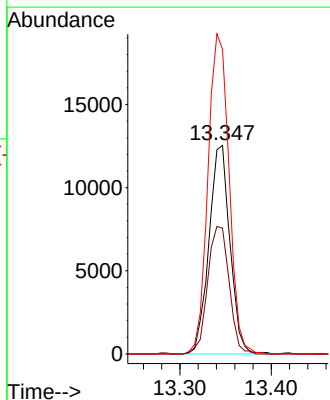
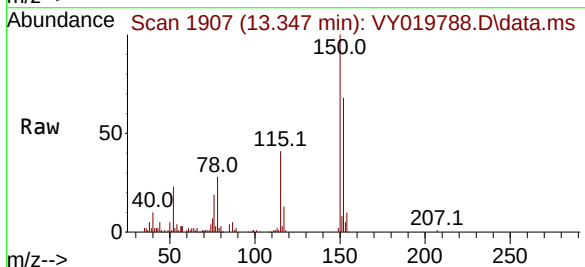
Instrument :
MSVOA_Y
ClientSampleId :

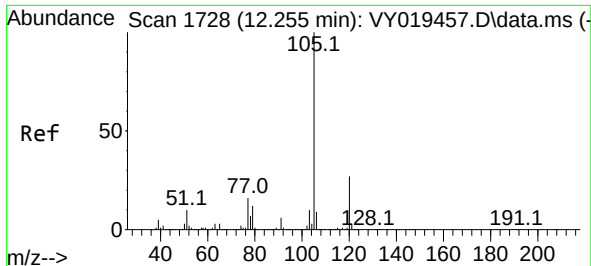
Tgt Ion:106 Resp: 2467
Ion Ratio Lower Upper
106 100
91 216.1 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

Tgt Ion:152 Resp: 19993
Ion Ratio Lower Upper
152 100
115 62.5 28.2 84.7
150 154.1 0.0 345.6

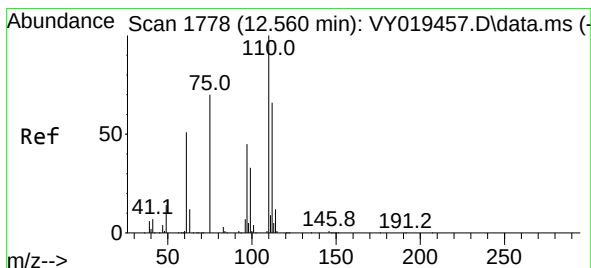
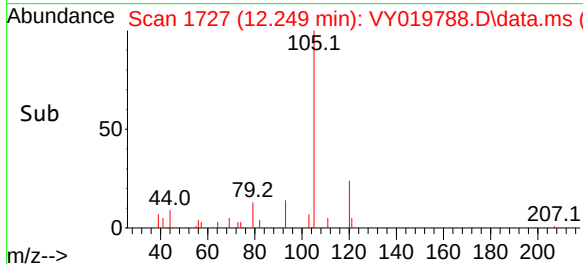
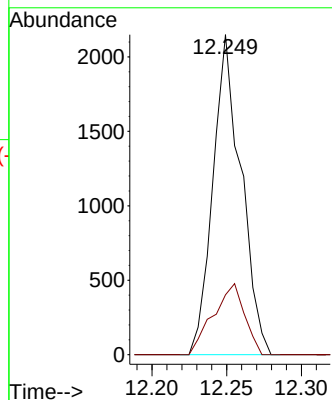
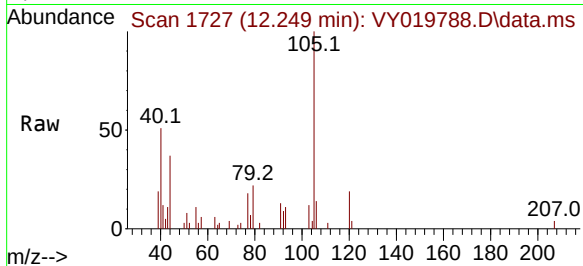




#73
Isopropylbenzene
Concen: 1.937 ug/l
RT: 12.249 min Scan# 1728
Delta R.T. -0.006 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

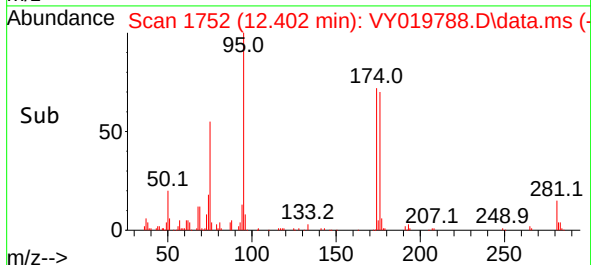
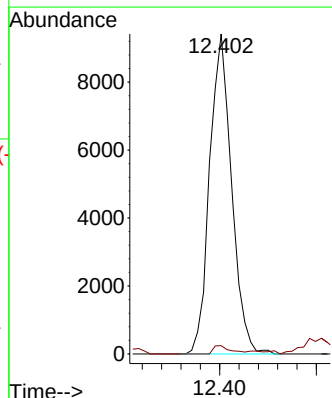
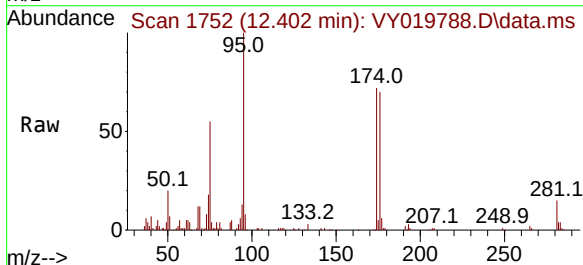
Instrument :
MSVOA_Y
ClientSampleId :

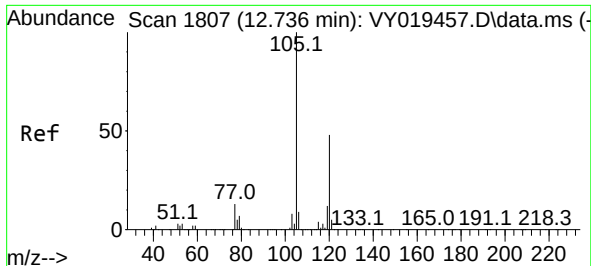
Tgt Ion:105 Resp: 2809
Ion Ratio Lower Upper
105 100
120 24.7 13.4 40.1



#76
1,2,3-Trichloropropane
Concen: 79.245 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

Tgt Ion: 75 Resp: 14850
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#

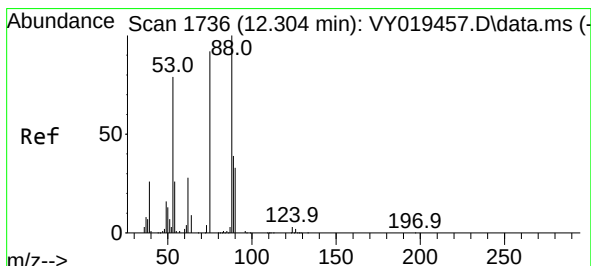
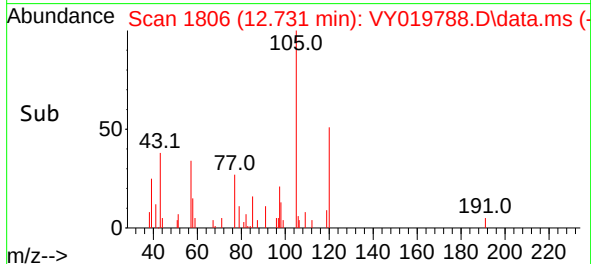
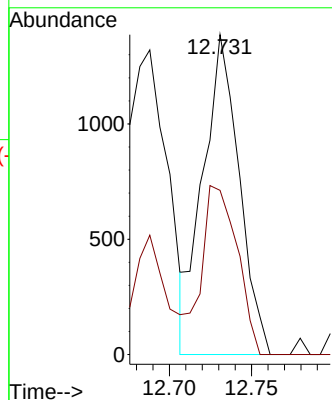
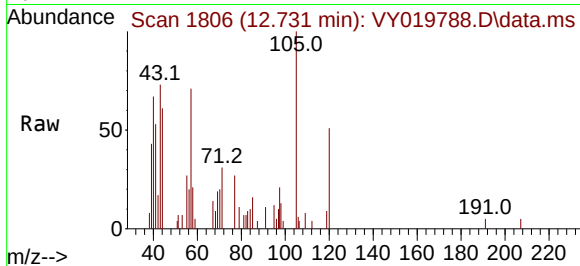




#80
1,3,5-Trimethylbenzene
Concen: 1.797 ug/l
RT: 12.731 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

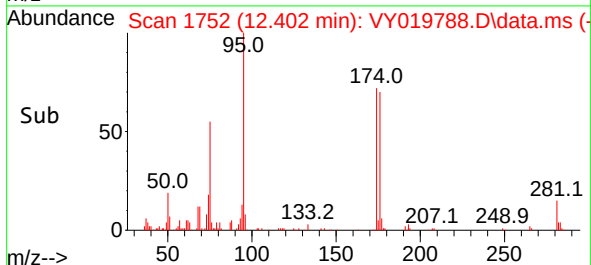
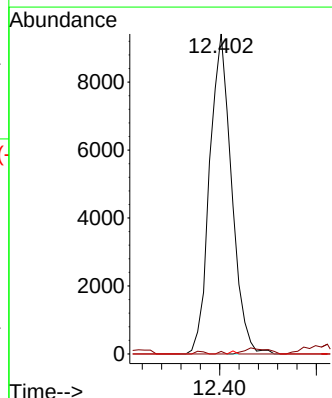
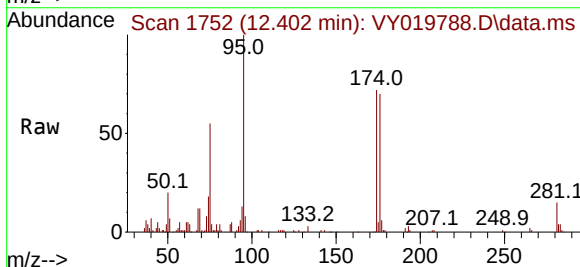
Instrument :
MSVOA_Y
ClientSampleId :

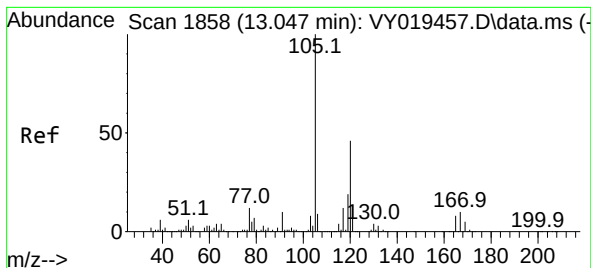
Tgt Ion:105 Resp: 2119
Ion Ratio Lower Upper
105 100
120 52.4 25.1 75.2



#81
trans-1,4-Dichloro-2-butene
Concen: 152.128 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019788.D
Acq: 03 Oct 2024 15:18

Tgt Ion: 75 Resp: 14850
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.2 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 5.617 ug/l

RT: 13.036 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY019788.D

Acq: 03 Oct 2024 15:18

Instrument :

MSVOA_Y

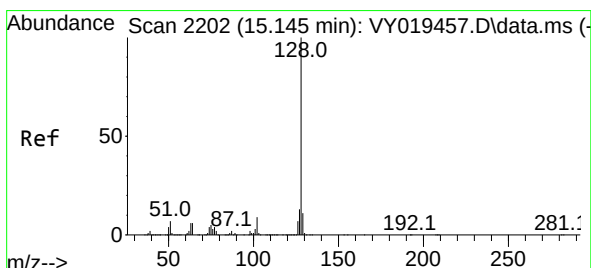
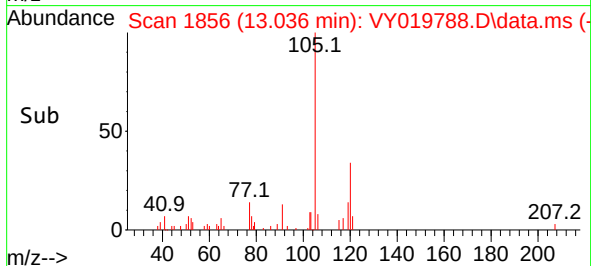
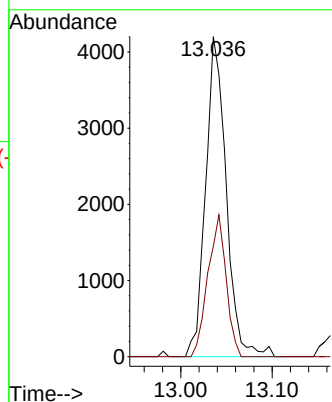
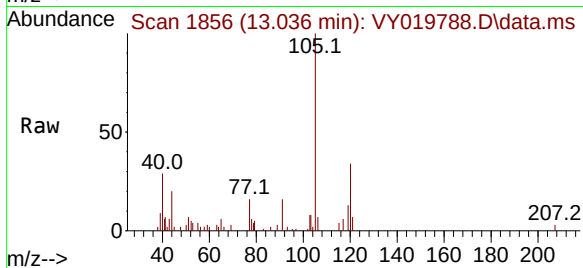
ClientSampleId :

Tgt Ion:105 Resp: 6556

Ion Ratio Lower Upper

105 100

120 39.2 23.2 69.6



#95

Naphthalene

Concen: 1.266 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY019788.D

Acq: 03 Oct 2024 15:18

Tgt Ion:128 Resp: 860

Ion Ratio Lower Upper

128 100

127 11.4 10.6 16.0

129 17.8 8.6 13.0#

