

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019651.D
 Acq On : 20 Sep 2024 17:20
 Operator : SY/MD
 Sample : P4103-10
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:52:39 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	7.701	168	132956	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	225675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	186846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	80610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	66593	54.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.180%	
35) Dibromofluoromethane	7.628	113	69408	54.245	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.480%	
50) Toluene-d8	10.103	98	263428	55.661	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.320%	
62) 4-Bromofluorobenzene	12.402	95	87096	47.861	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 95.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	27	Below Cal	#	43
11) Tert butyl alcohol	4.842	59	2054	20.659	ug/l	# 88
13) Acrolein	3.610	56	2676	44.107	ug/l	# 1
14) Allyl chloride	4.653	41	200935	94.987	ug/l	# 50
15) Acrylonitrile	5.116	53	12274	42.769	ug/l	# 42
16) Acetone	3.854	43	46736	159.344	ug/l	# 69
18) Methyl Acetate	4.653	43	483010	606.829	ug/l	# 46
20) Methylene Chloride	4.610	84	6979	5.218	ug/l	# 49
25) 2-Butanone	6.878	43	20199	48.421	ug/l	# 89
26) 2,2-Dichloropropane	6.866	77	3067	1.395	ug/l	# 51
29) Tetrahydrofuran	7.256	42	553	2.180	ug/l	# 31
31) Cyclohexane	7.683	56	65556	29.753	ug/l	# 65
36) 1,1-Dichloropropene	7.695	75	11621	6.675	ug/l	# 52
37) Ethyl Acetate	6.878	43	20199	22.642	ug/l	# 80
38) Carbon Tetrachloride	7.701	117	13828	7.043	ug/l	# 16
39) Methylcyclohexane	9.103	83	102561	44.264	ug/l	# 88
41) Methacrylonitrile	7.250	41	895	1.721	ug/l	# 1
43) Isopropyl Acetate	8.183	43	14182	7.567	ug/l	# 47
45) 1,2-Dichloropropane	9.103	63	1705	1.301	ug/l	# 1
47) Bromodichloromethane	9.396	83	2828	1.467	ug/l	# 26
48) Methyl methacrylate	9.244	41	4131	4.667	ug/l	# 22
49) 1,4-Dioxane	9.347	88	21	2.488	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.036	43	6623	7.024	ug/l	# 63
52) Toluene	10.170	92	43388	12.580	ug/l	100
55) 1,1,2-Trichloroethane	10.542	97	32469	32.795	ug/l	# 22
56) Ethyl methacrylate	10.445	69	9403	6.252	ug/l	# 1
59) 2-Hexanone	10.725	43	55128	79.749	ug/l	# 24
67) Ethyl Benzene	11.518	91	154567	23.668	ug/l	# 98
68) m/p-Xylenes	11.621	106	223846	90.650	ug/l	# 94
69) o-Xylene	11.950	106	85236	35.295	ug/l	# 95
70) Styrene	11.957	104	5860	1.437	ug/l	# 1
73) Isopropylbenzene	12.249	105	247354	42.297	ug/l	# 99
74) N-amyl acetate	12.048	43	79561	50.024	ug/l	# 49
75) 1,1,2,2-Tetrachloroethane	12.475	83	10498	10.114	ug/l	# 26
76) 1,2,3-Trichloropropane	12.591	75	7958	10.533	ug/l	# 100
77) Bromobenzene	12.584	156	123127	94.932	ug/l	# 1

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

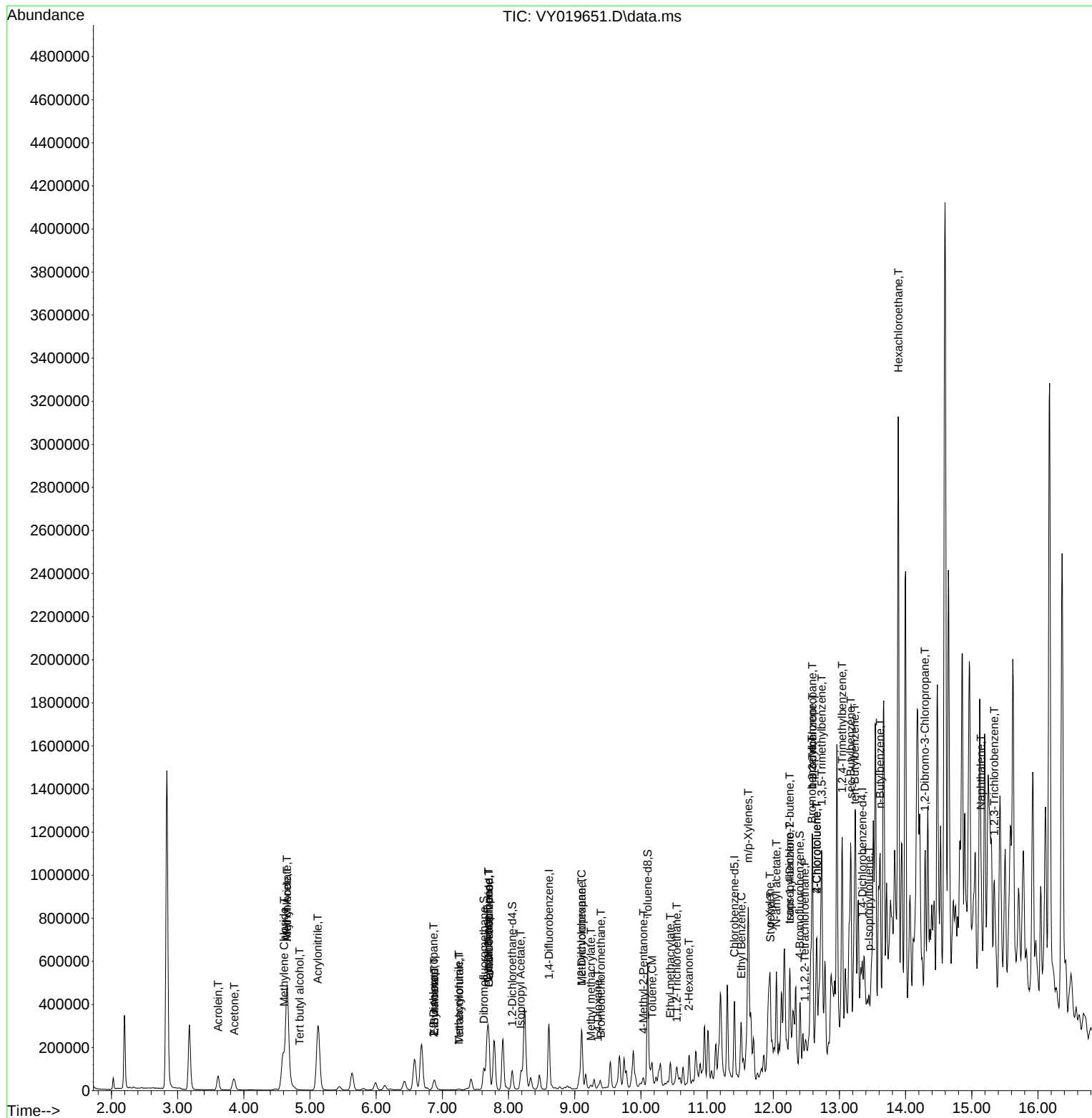
78) n-propylbenzene	12.591	91	720189	103.901	ug/l	99
79) 2-Chlorotoluene	12.658	91	30530	7.558	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.731	105	112985	23.765	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.249	75	3306	8.400	ug/l #	62
82) 4-Chlorotoluene	12.658	91	30530	7.352	ug/l #	39
83) tert-Butylbenzene	13.231	119	18336	4.260	ug/l	75
84) 1,2,4-Trimethylbenzene	13.042	105	440628	93.631	ug/l	98
85) sec-Butylbenzene	13.170	105	442579	70.785	ug/l	89
86) p-Isopropyltoluene	13.444	119	65486	12.801	ug/l	94
89) n-Butylbenzene	13.615	91	440080	89.989	ug/l #	78
90) Hexachloroethane	13.889	117	113622	106.748	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.291	75	2638	15.249	ug/l #	1
95) Naphthalene	15.139	128	293253	107.057	ug/l	95
96) 1,2,3-Trichlorobenzene	15.340	180	2894	2.473	ug/l #	1

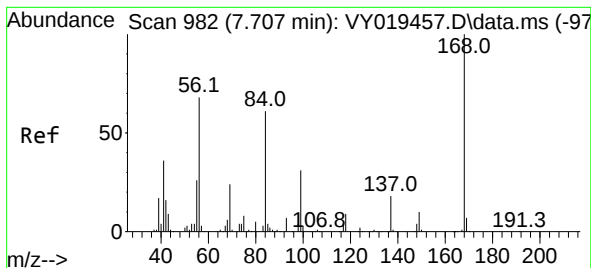
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

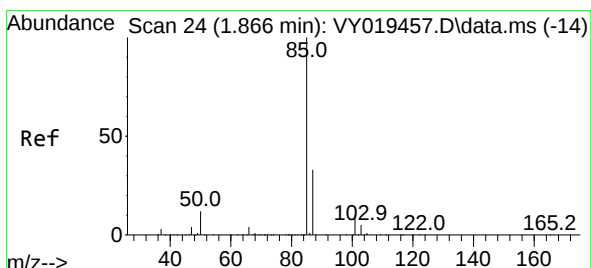
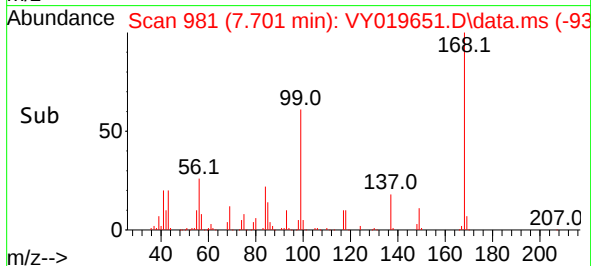
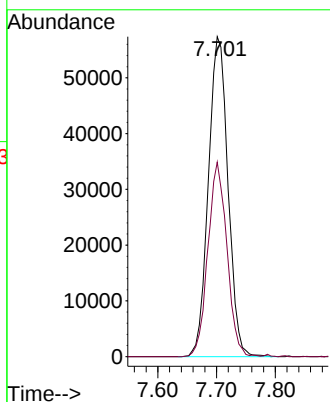
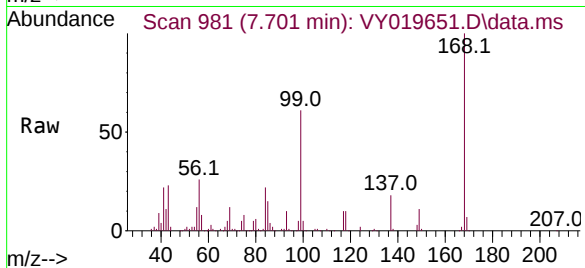
ClientSampleId :

Tgt Ion:168 Resp: 132956

Ion Ratio Lower Upper

168 100

99 60.8 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.873 min Scan# 25

Delta R.T. 0.007 min

Lab File: VY019651.D

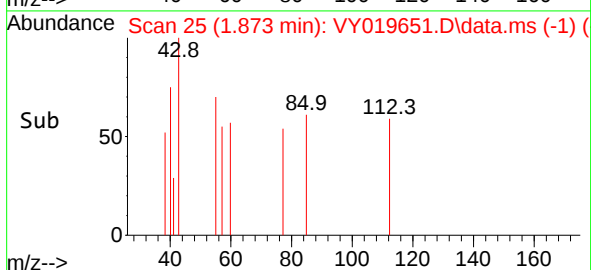
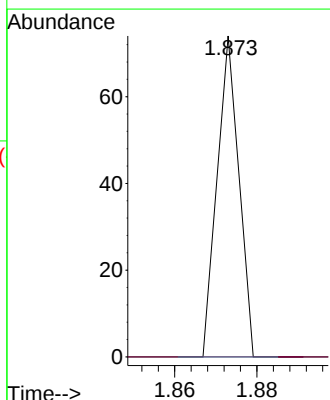
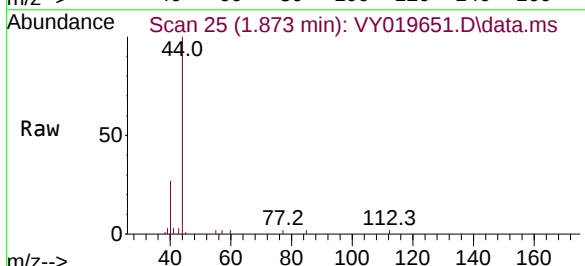
Acq: 20 Sep 2024 17:20

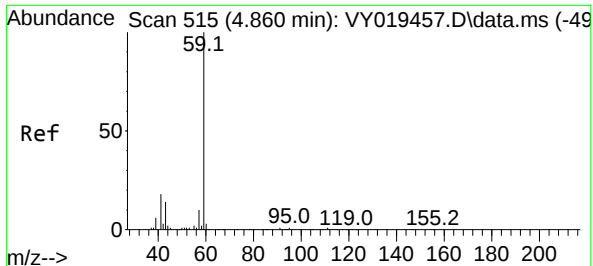
Tgt Ion: 85 Resp: 27

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 20.659 ug/l

RT: 4.842 min Scan# 51

Delta R.T. -0.018 min

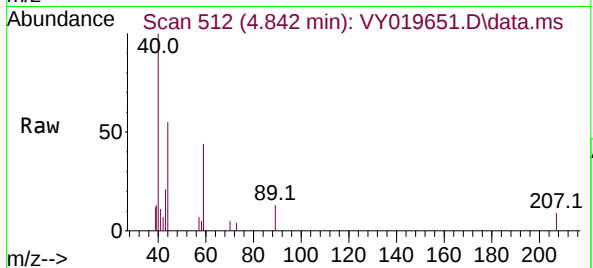
Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

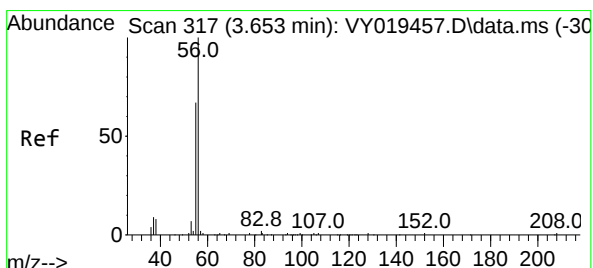
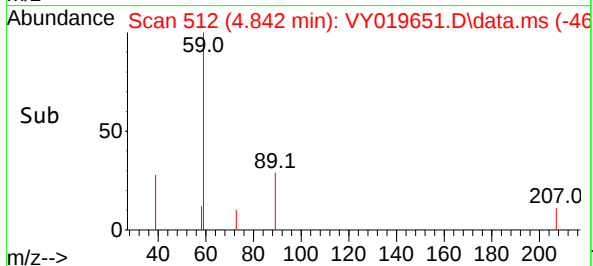
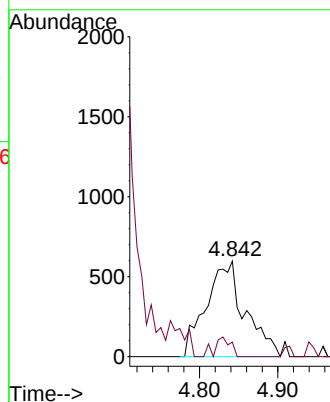


Tgt Ion: 59 Resp: 2054

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: 44.107 ug/l

RT: 3.610 min Scan# 310

Delta R.T. -0.043 min

Lab File: VY019651.D

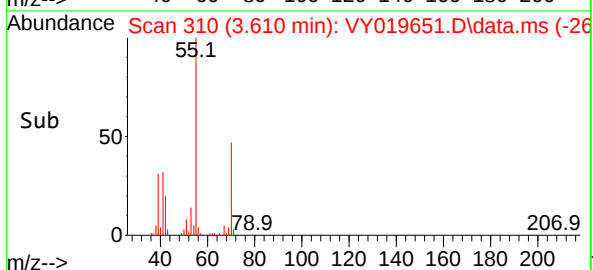
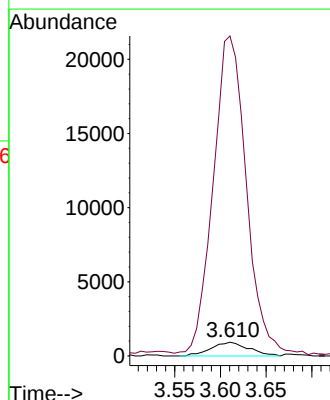
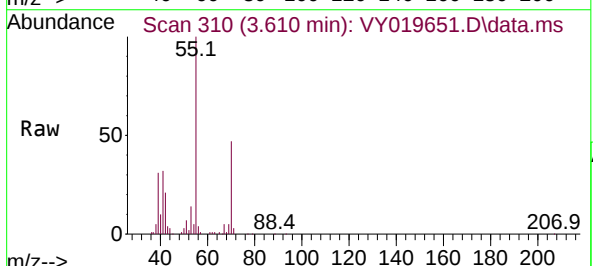
Acq: 20 Sep 2024 17:20

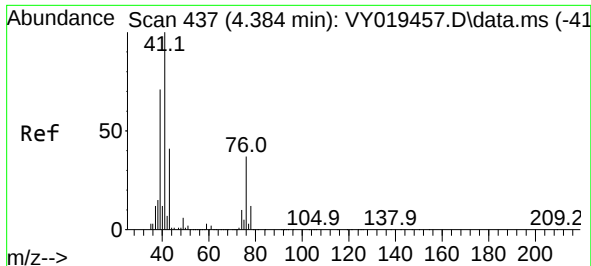
Tgt Ion: 56 Resp: 2676

Ion Ratio Lower Upper

56 100

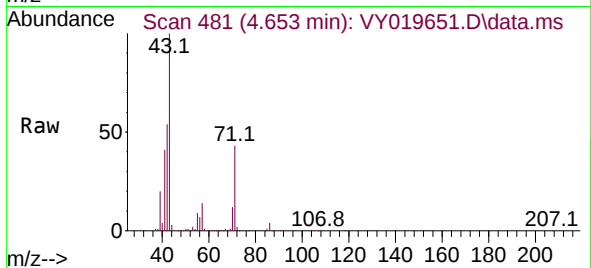
55 2033.4 55.7 83.5#



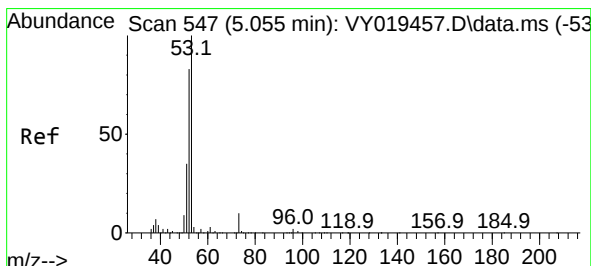
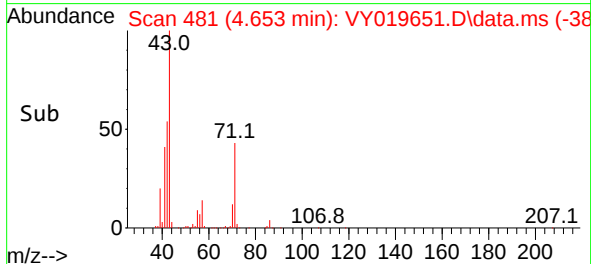
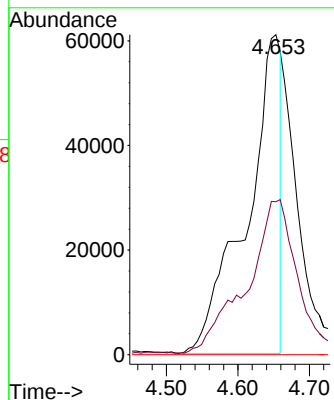


#14
 Allyl chloride
 Concen: 94.987 ug/l
 RT: 4.653 min Scan# 41
 Delta R.T. 0.269 min
 Lab File: VY019651.D
 Acq: 20 Sep 2024 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :

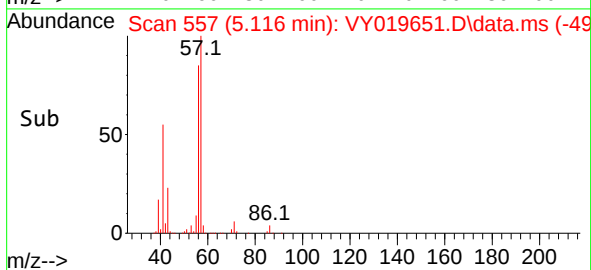
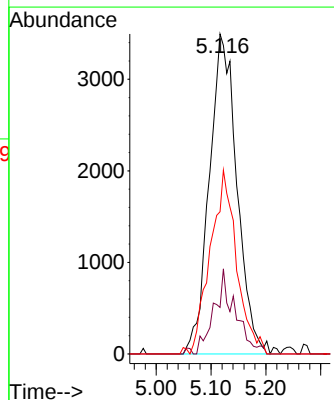
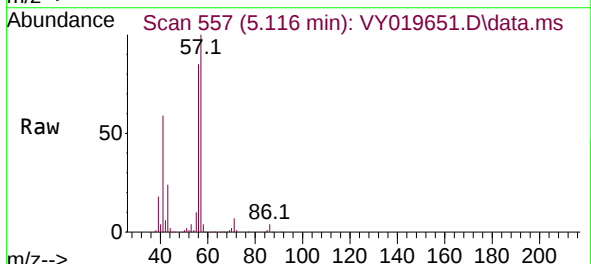


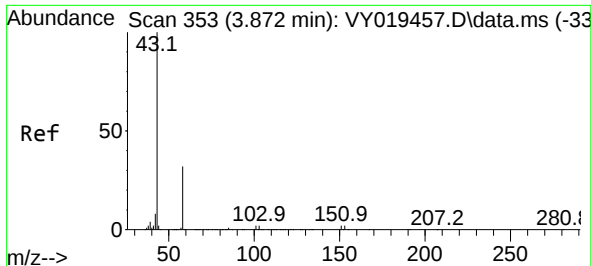
Tgt Ion: 41 Resp: 200935
 Ion Ratio Lower Upper
 41 100
 39 43.2 58.3 87.5#
 76 0.0 39.0 58.6#



#15
 Acrylonitrile
 Concen: 42.769 ug/l
 RT: 5.116 min Scan# 557
 Delta R.T. 0.061 min
 Lab File: VY019651.D
 Acq: 20 Sep 2024 17:20

Tgt Ion: 53 Resp: 12274
 Ion Ratio Lower Upper
 53 100
 52 20.0 64.7 97.1#
 51 54.7 28.4 42.6#

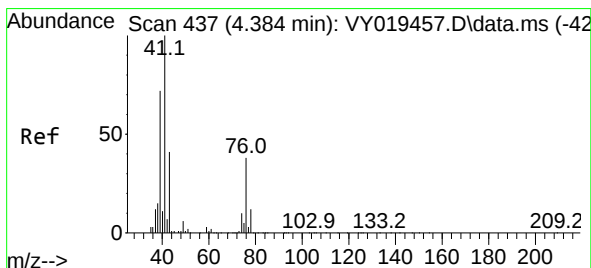
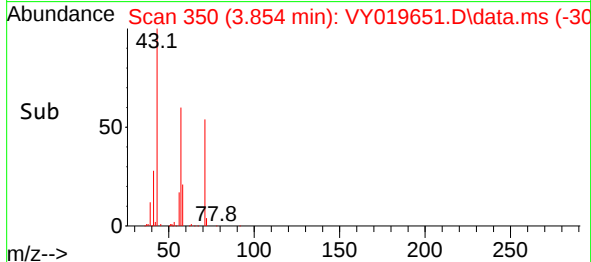
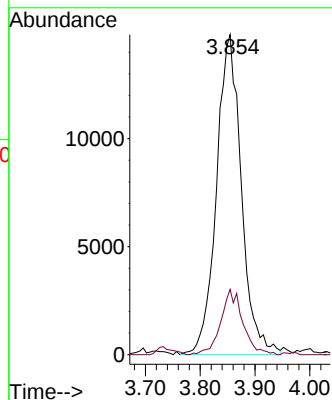
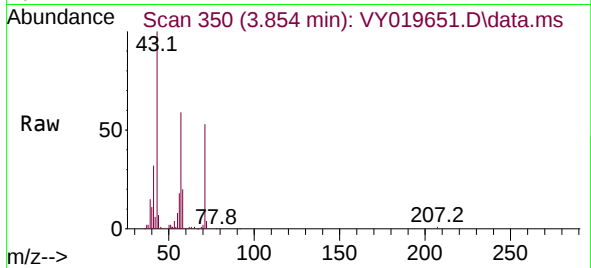




#16
Acetone
Concen: 159.344 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

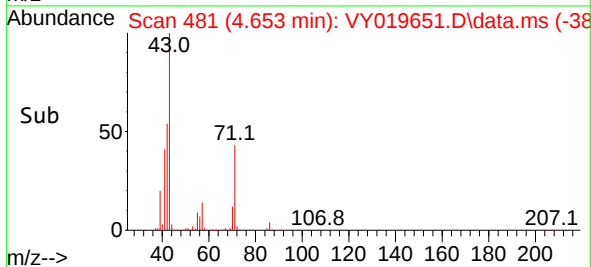
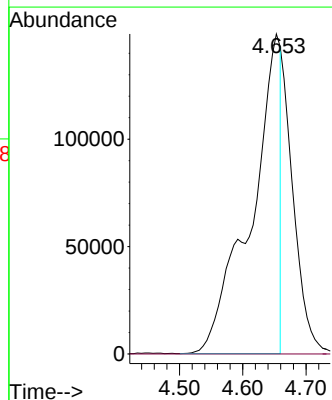
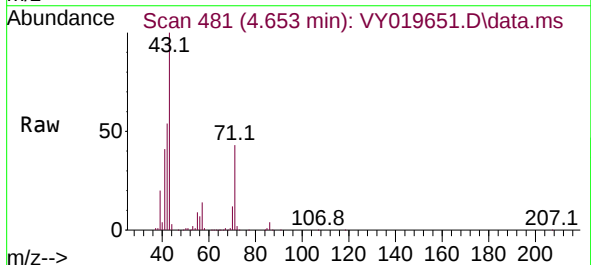
Instrument :
MSVOA_Y
ClientSampleId :

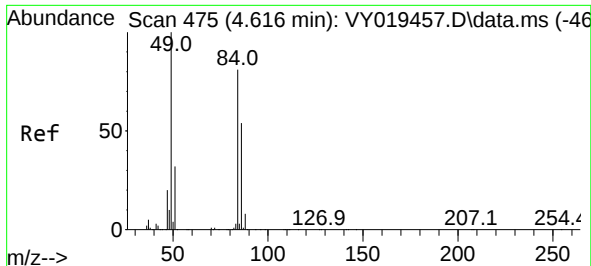
Tgt Ion: 43 Resp: 46736
Ion Ratio Lower Upper
43 100
58 20.4 31.7 47.5#



#18
Methyl Acetate
Concen: 606.829 ug/l
RT: 4.653 min Scan# 481
Delta R.T. 0.269 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

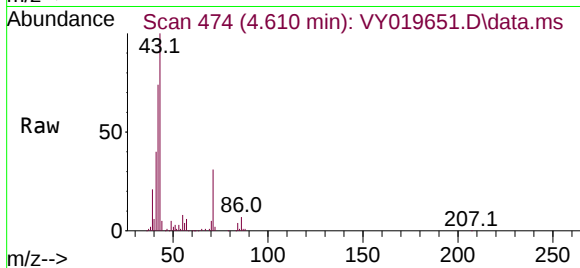
Tgt Ion: 43 Resp: 483010
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



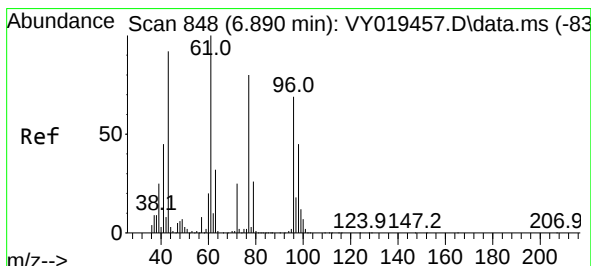
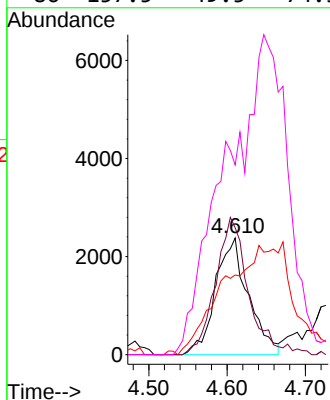
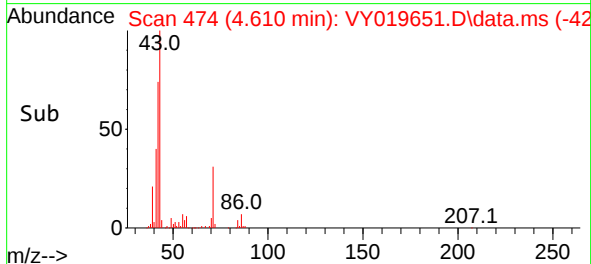


#20
Methylene Chloride
Concen: 5.218 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

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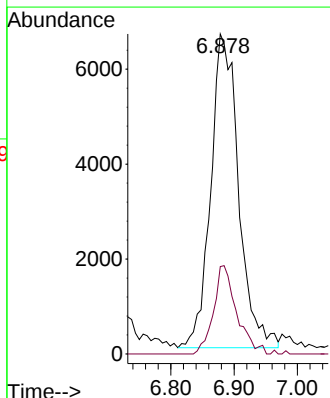
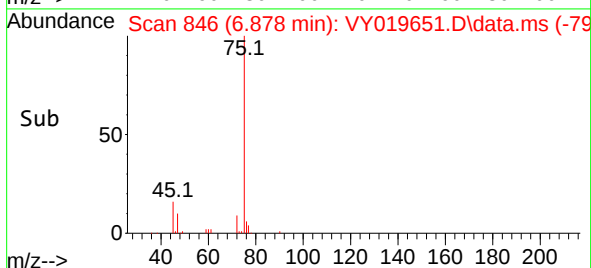
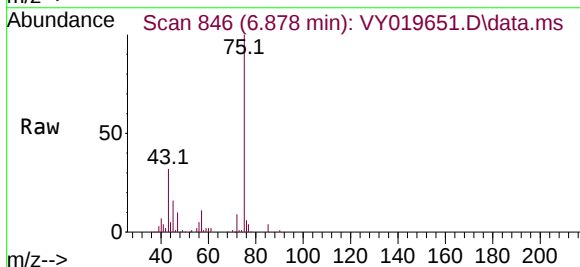


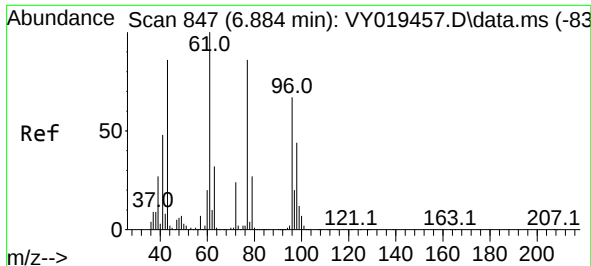
Tgt Ion:	84	Resp:	6979
Ion	Ratio	Lower	Upper
84	100		
49	108.8	84.4	126.6
51	68.3	26.0	39.0#
86	157.5	49.5	74.3#



#25
2-Butanone
Concen: 48.421 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Tgt Ion:	43	Resp:	20199
Ion	Ratio	Lower	Upper
43	100		
72	27.8	27.3	40.9





#26

2,2-Dichloropropane

Concen: 1.395 ug/l

RT: 6.866 min Scan# 84

Delta R.T. -0.018 min

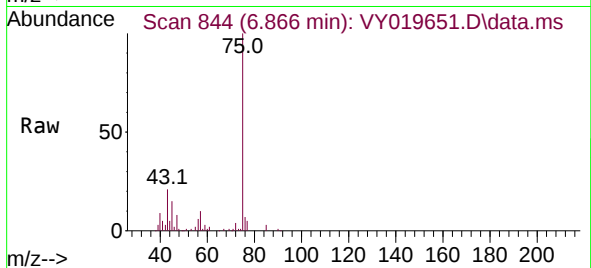
Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

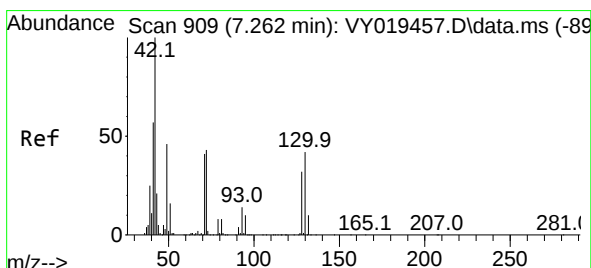
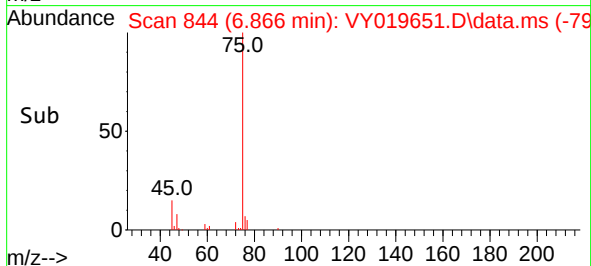
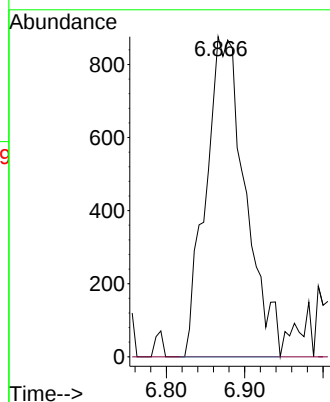


Tgt Ion: 77 Resp: 3067

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#29

Tetrahydrofuran

Concen: 2.180 ug/l

RT: 7.256 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

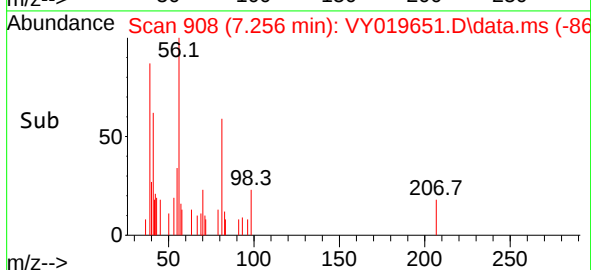
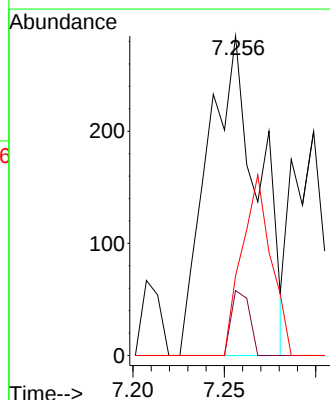
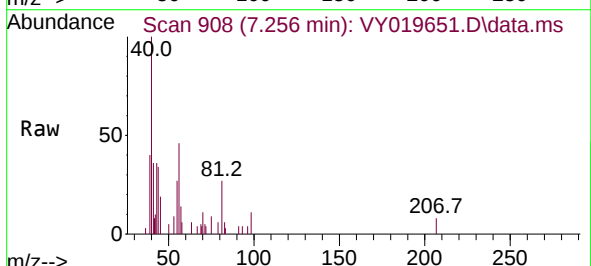
Tgt Ion: 42 Resp: 553

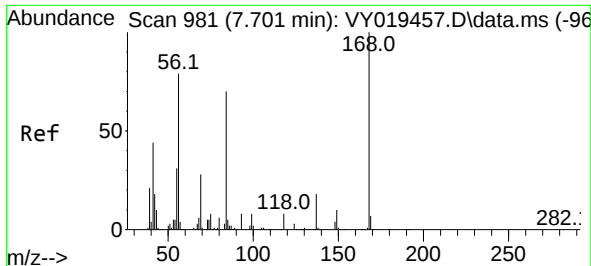
Ion Ratio Lower Upper

42 100

72 7.2 43.0 64.4#

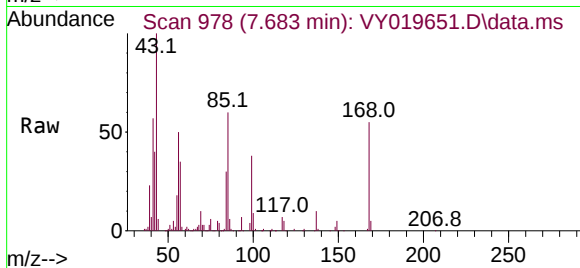
71 0.0 40.8 61.2#



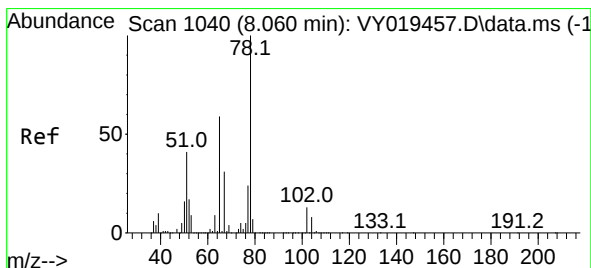
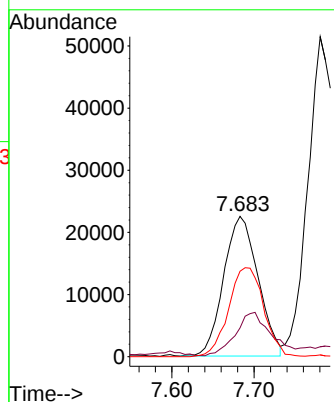
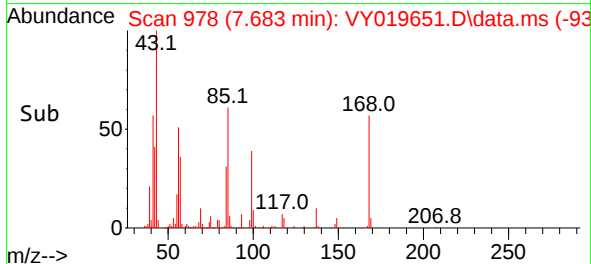


#31
Cyclohexane
Concen: 29.753 ug/l
RT: 7.683 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Instrument :
MSVOA_Y
ClientSampleId :

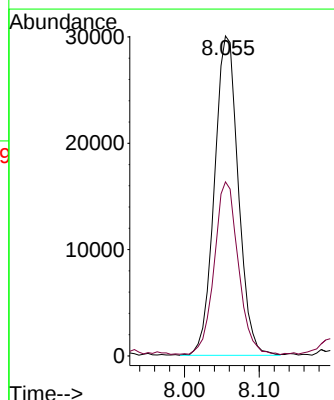
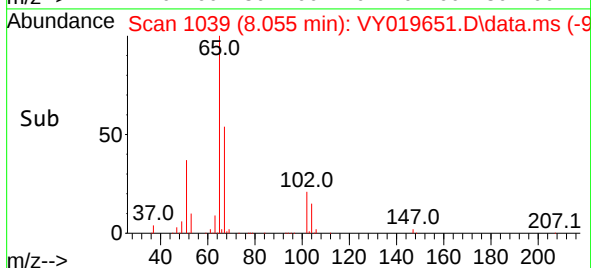
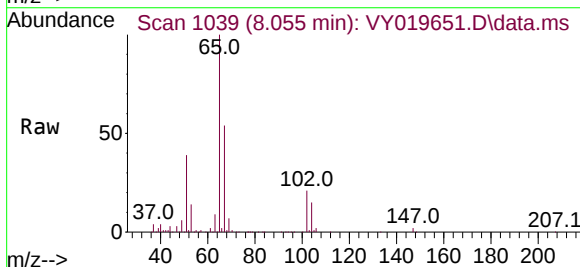


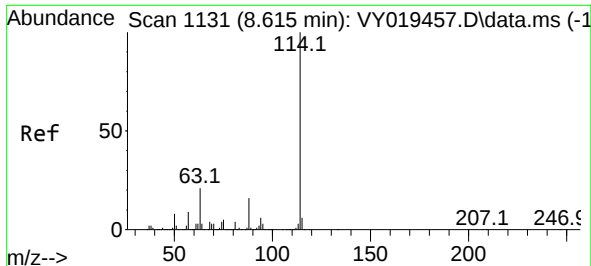
Tgt Ion: 56 Resp: 65556
Ion Ratio Lower Upper
56 100
69 17.7 28.7 43.1#
84 61.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 54.090 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Tgt Ion: 65 Resp: 66593
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

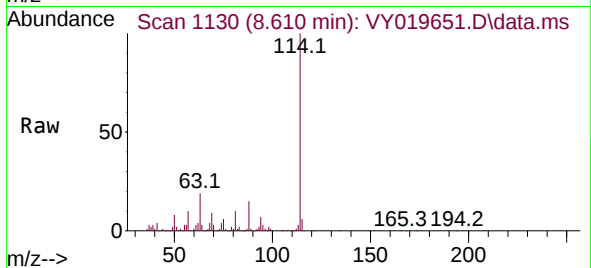
Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :



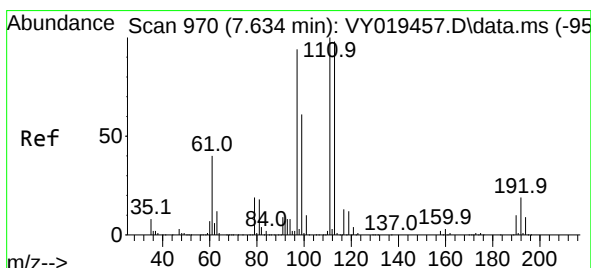
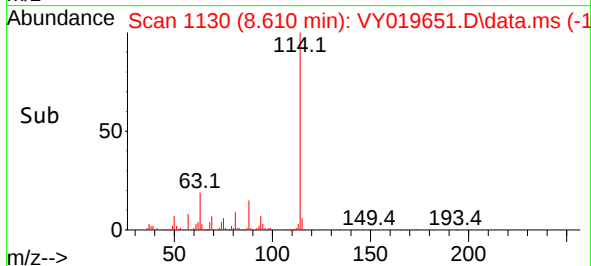
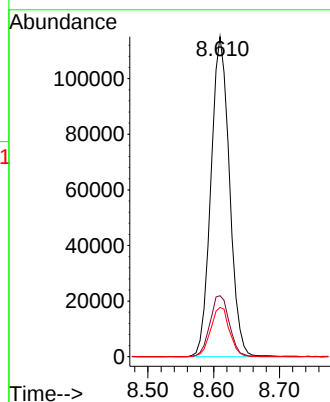
Tgt Ion:114 Resp: 225675

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.0

88 15.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.245 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

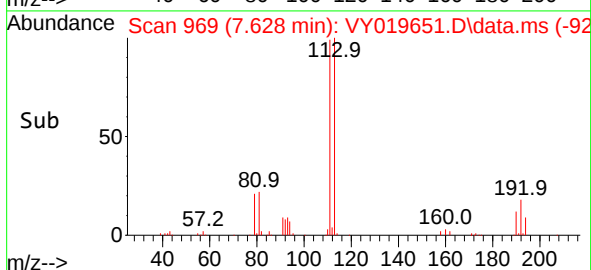
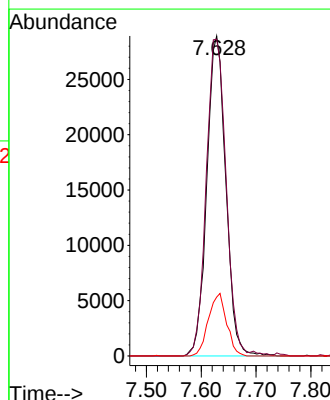
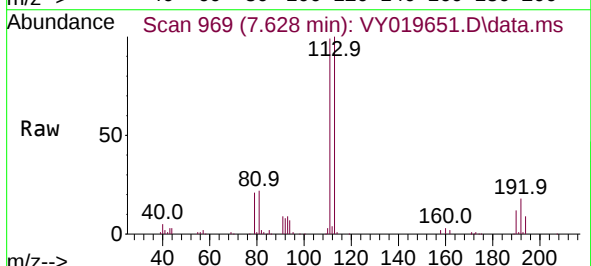
Tgt Ion:113 Resp: 69408

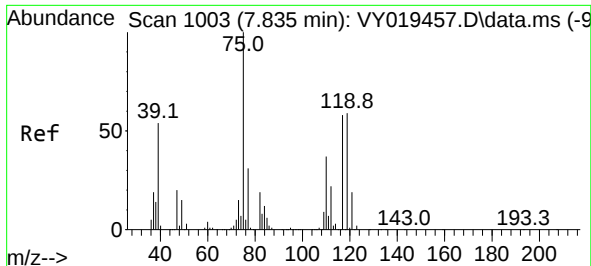
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 18.8 15.9 23.9

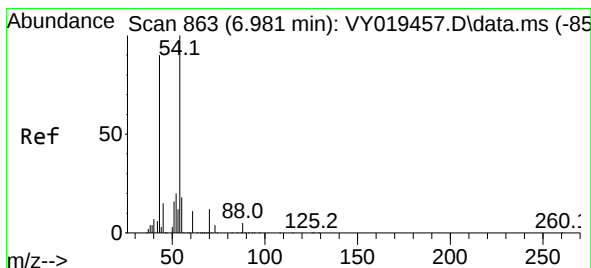
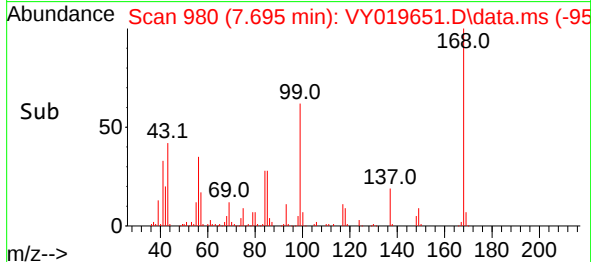
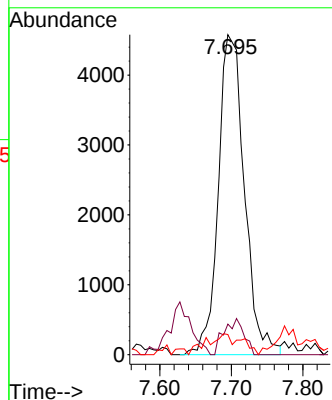
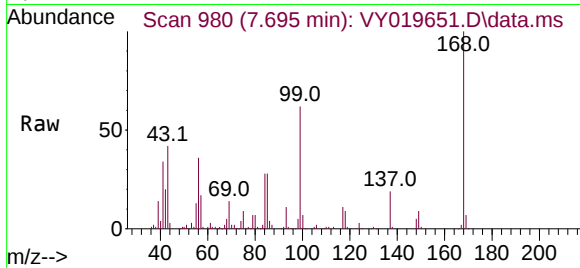




#36
1,1-Dichloropropene
Concen: 6.675 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

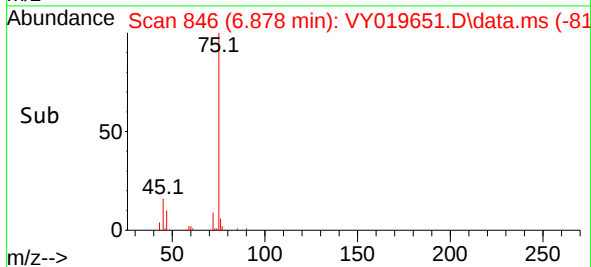
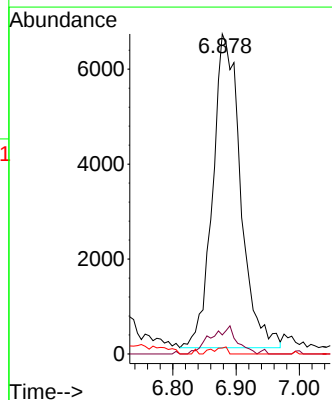
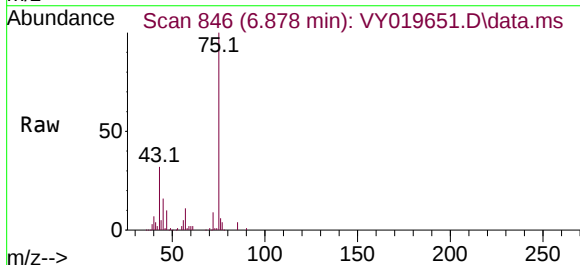
Instrument :
MSVOA_Y
ClientSampleId :

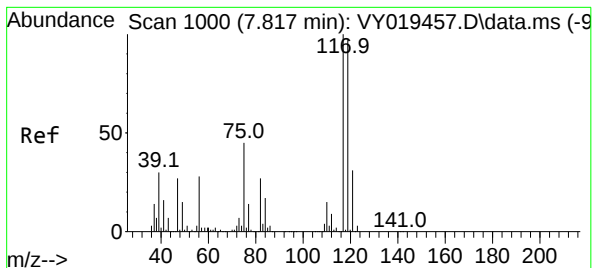
Tgt Ion: 75 Resp: 11621
Ion Ratio Lower Upper
75 100
110 8.6 19.0 57.0#
77 6.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 22.642 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.103 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Tgt Ion: 43 Resp: 20199
Ion Ratio Lower Upper
43 100
61 8.4 12.6 19.0#
70 1.1 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 7.043 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

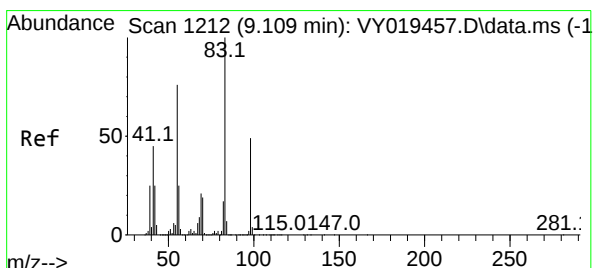
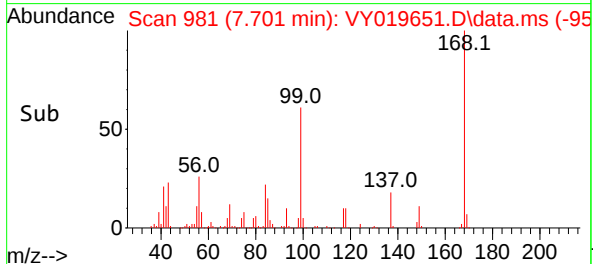
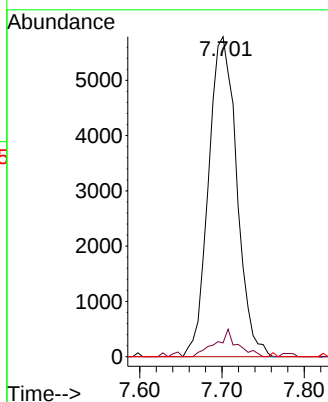
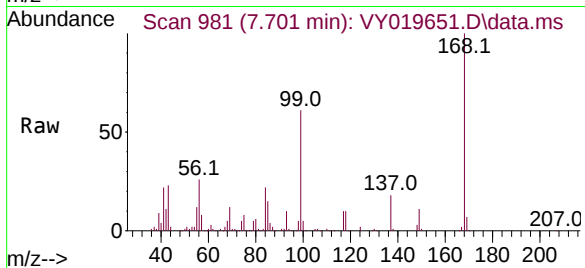
Tgt Ion:117 Resp: 13828

Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.6#

121 0.0 24.0 36.0#



#39

Methylcyclohexane

Concen: 44.264 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

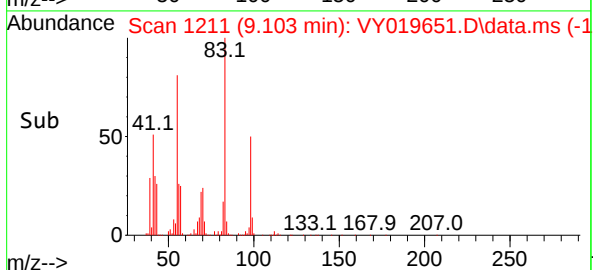
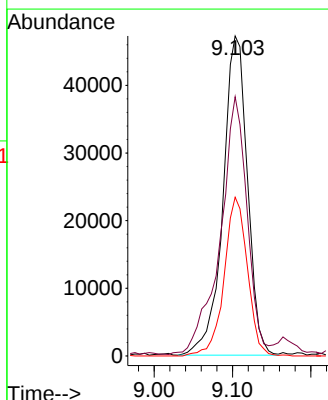
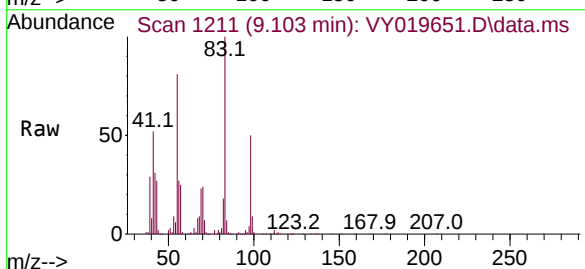
Tgt Ion: 83 Resp: 102561

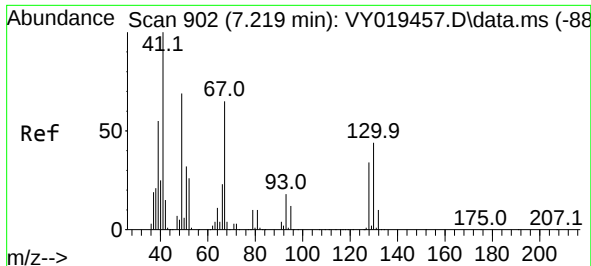
Ion Ratio Lower Upper

83 100

55 80.1 51.5 77.3#

98 49.7 40.5 60.7

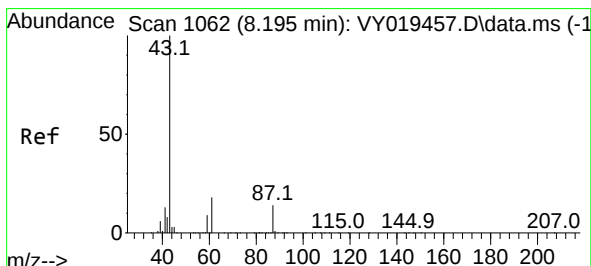
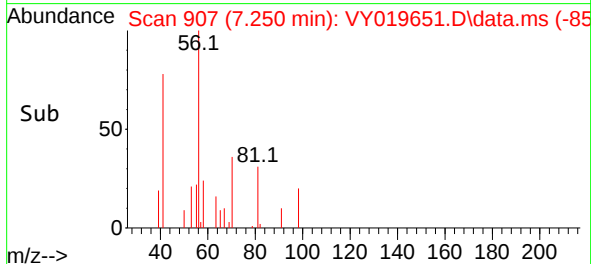
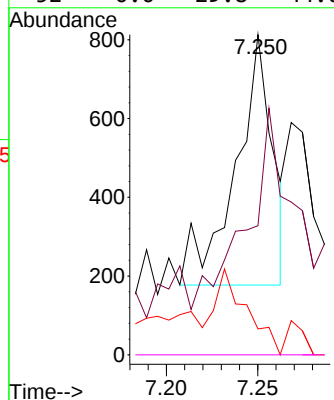
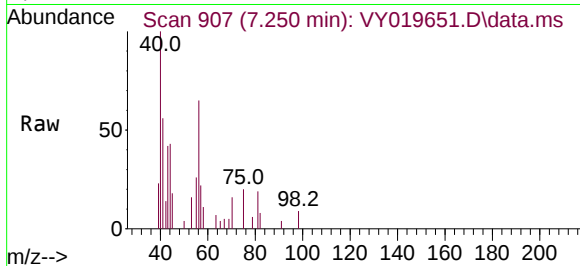




#41
Methacrylonitrile
Concen: 1.721 ug/l
RT: 7.250 min Scan# 90
Delta R.T. 0.031 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

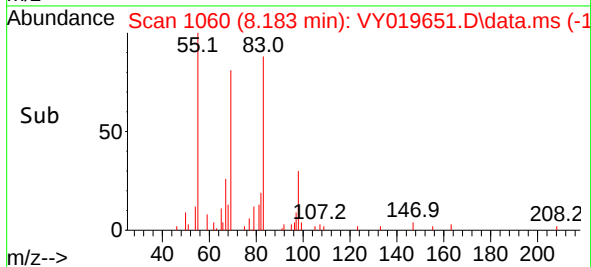
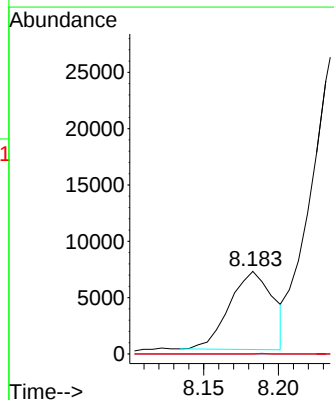
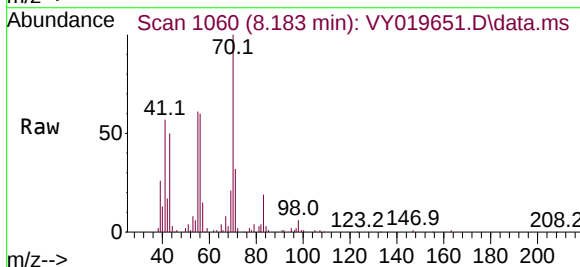
Instrument :
MSVOA_Y
ClientSampleId :

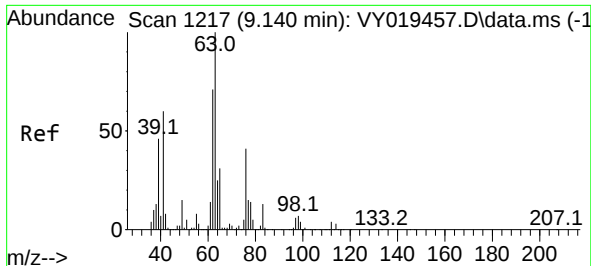
Tgt Ion: 41	Resp: 895
Ion Ratio	Lower Upper
41	100
39	178.7 48.0 72.0#
67	0.0 75.1 112.7#
52	0.0 29.8 44.6#



#43
Isopropyl Acetate
Concen: 7.567 ug/l
RT: 8.183 min Scan# 1060
Delta R.T. -0.012 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Tgt Ion: 43	Resp: 14182
Ion Ratio	Lower Upper
43	100
61	0.0 27.9 41.9#
87	0.2 13.1 19.7#





#45

1,2-Dichloropropane

Concen: 1.301 ug/l

RT: 9.103 min Scan# 11

Delta R.T. -0.036 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

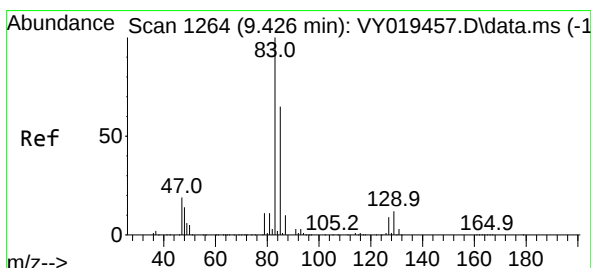
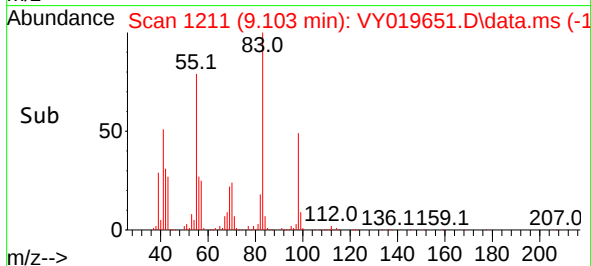
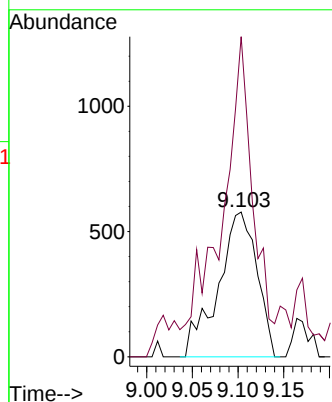
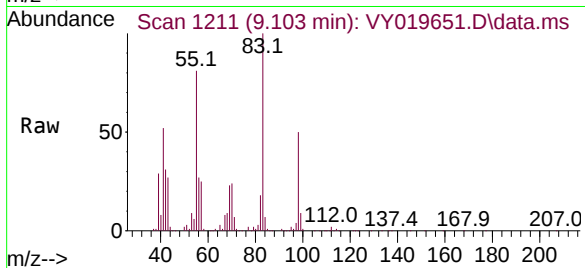
ClientSampleId :

Tgt Ion: 63 Resp: 1705

Ion Ratio Lower Upper

63 100

65 202.4 25.4 38.2#



#47

Bromodichloromethane

Concen: 1.467 ug/l

RT: 9.396 min Scan# 1259

Delta R.T. -0.030 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

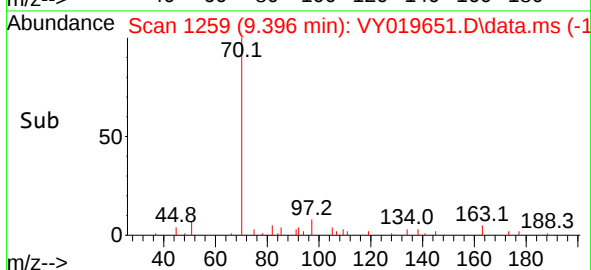
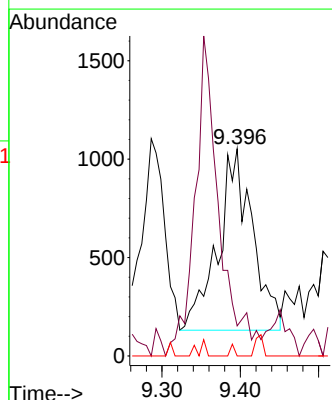
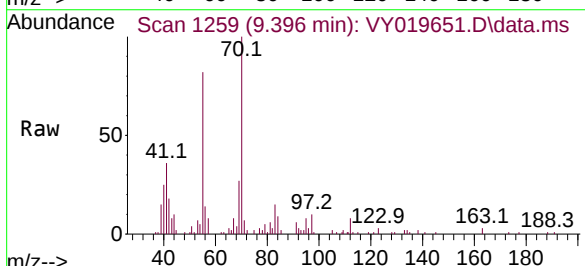
Tgt Ion: 83 Resp: 2828

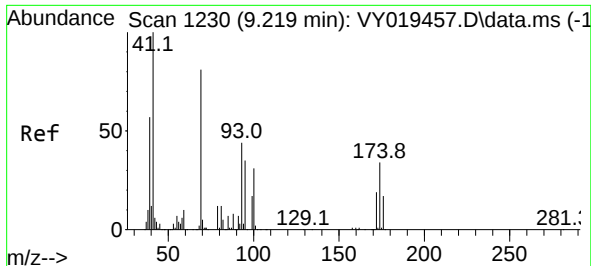
Ion Ratio Lower Upper

83 100

85 0.0 50.1 75.1#

127 0.0 7.4 11.0#





#48

Methyl methacrylate

Concen: 4.667 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.025 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

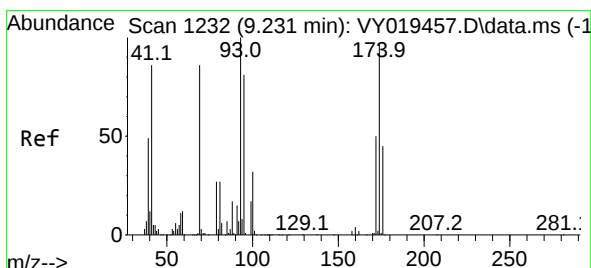
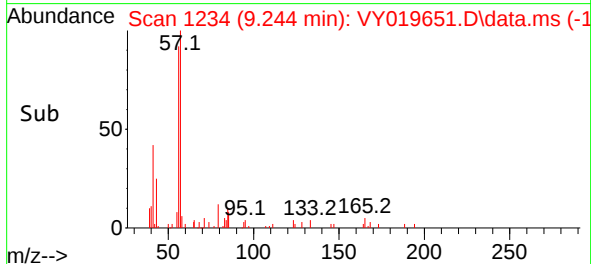
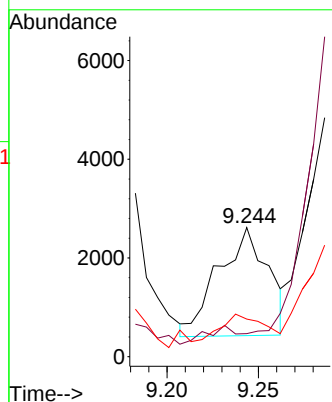
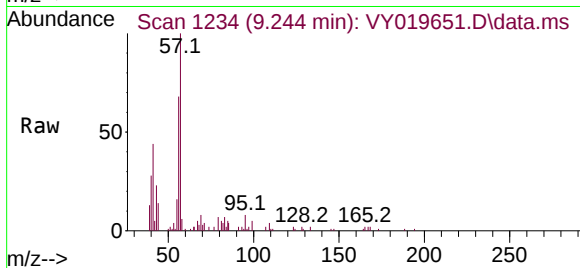
Tgt Ion: 41 Resp: 4131

Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 31.5 43.6 65.4#



#49

1,4-Dioxane

Concen: 2.488 ug/l

RT: 9.347 min Scan# 1251

Delta R.T. 0.116 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

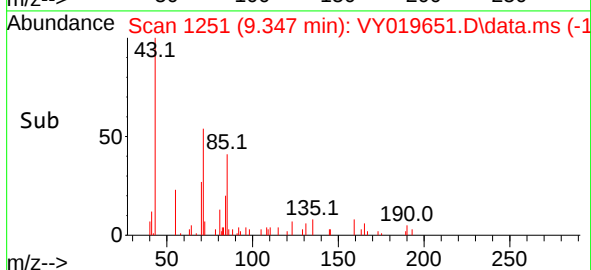
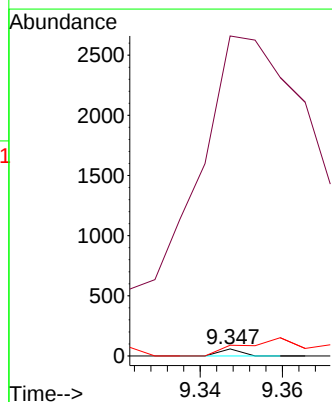
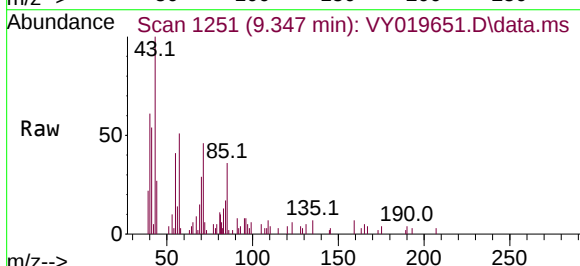
Tgt Ion: 88 Resp: 21

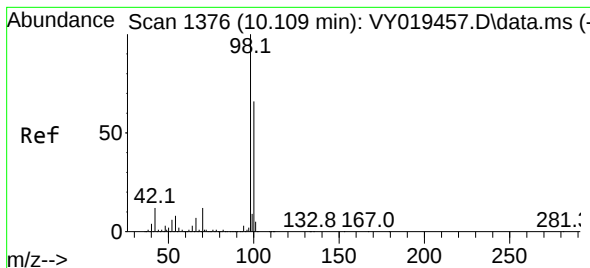
Ion Ratio Lower Upper

88 100

43 25204.8 0.0 0.0#

58 838.1 49.3 73.9#





#50

Toluene-d8

Concen: 55.661 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

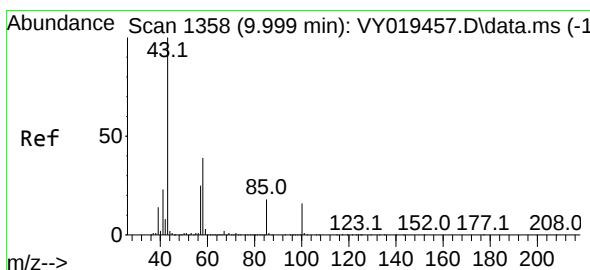
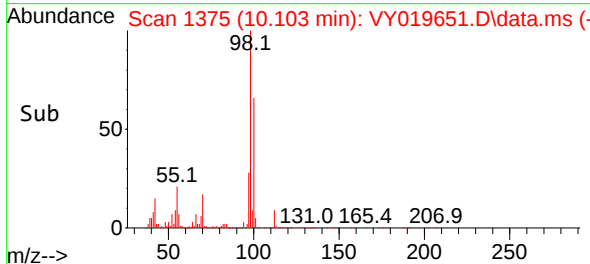
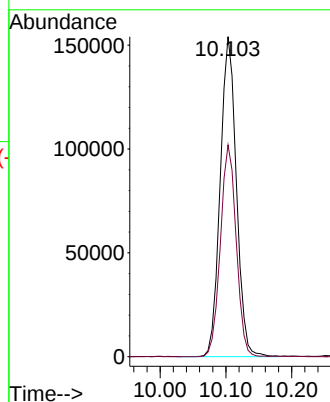
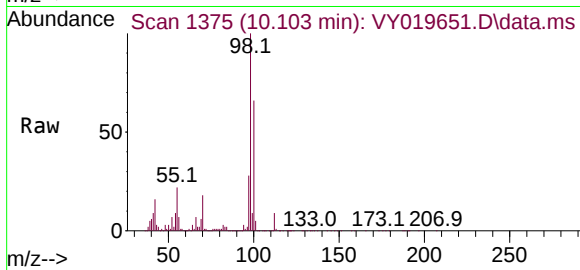
ClientSampleId :

Tgt Ion: 98 Resp: 263428

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 7.024 ug/l

RT: 10.036 min Scan# 1364

Delta R.T. 0.037 min

Lab File: VY019651.D

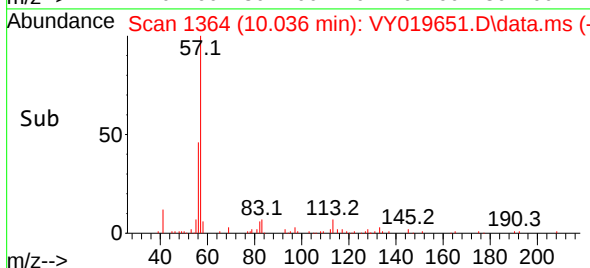
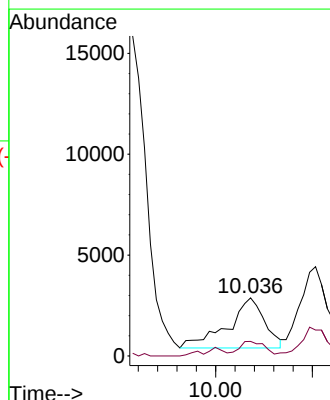
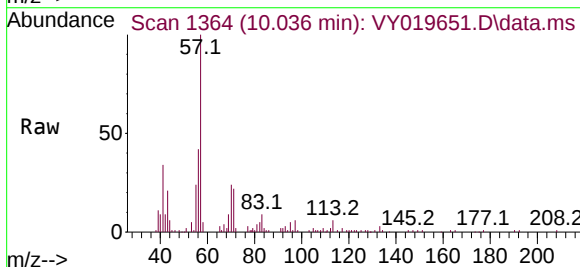
Acq: 20 Sep 2024 17:20

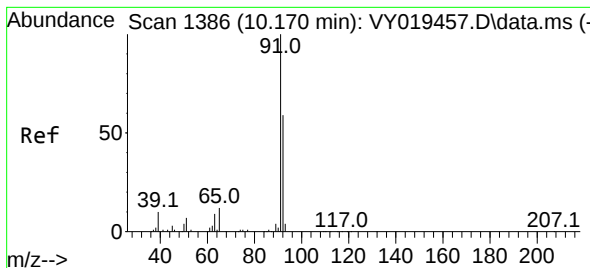
Tgt Ion: 43 Resp: 6623

Ion Ratio Lower Upper

43 100

58 20.8 35.7 53.5#





#52

Toluene

Concen: 12.580 ug/l

RT: 10.170 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

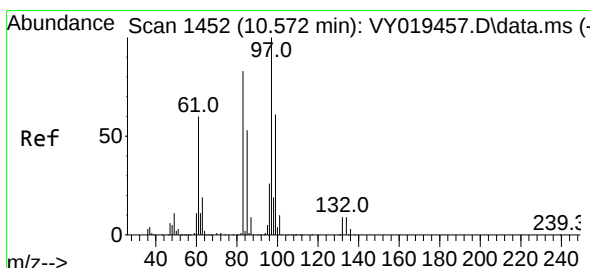
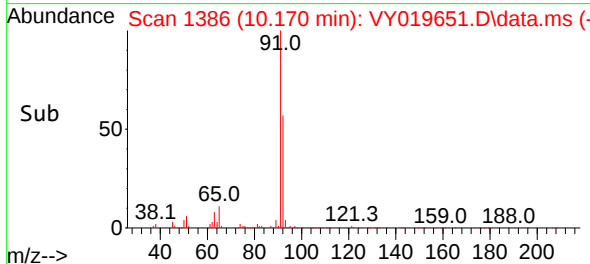
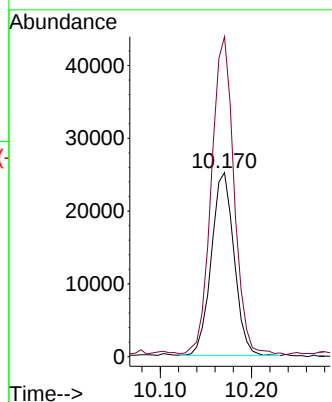
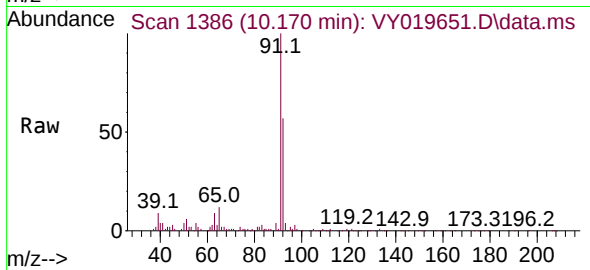
ClientSampleId :

Tgt Ion: 92 Resp: 43388

Ion Ratio Lower Upper

92 100

91 173.2 139.0 208.6



#55

1,1,2-Trichloroethane

Concen: 32.795 ug/l

RT: 10.542 min Scan# 1447

Delta R.T. -0.030 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Tgt Ion: 97 Resp: 32469

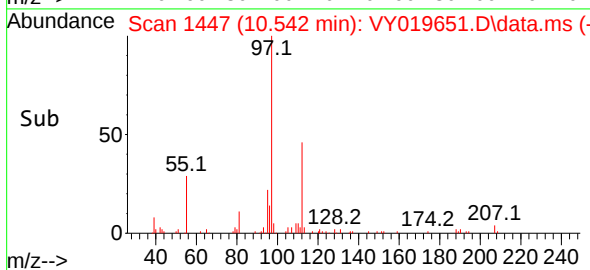
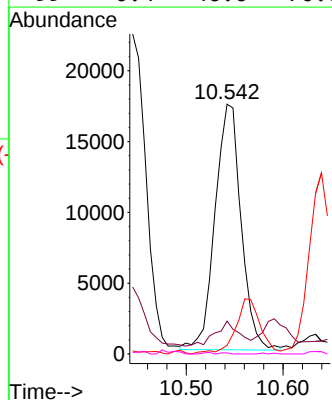
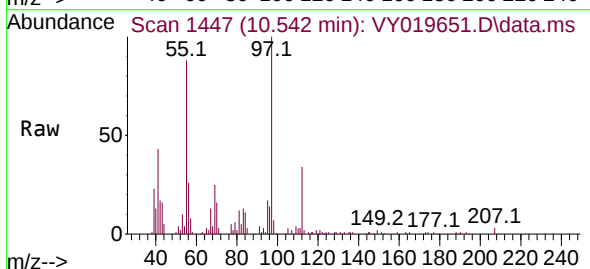
Ion Ratio Lower Upper

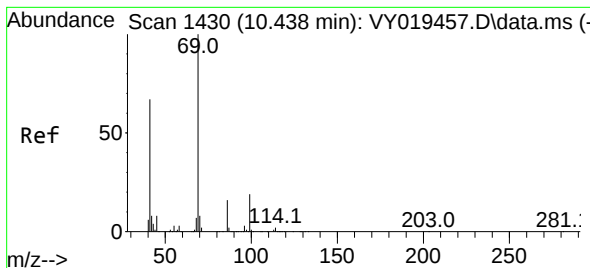
97 100

83 9.7 67.5 101.3#

85 2.3 42.9 64.3#

99 0.4 46.6 70.0#





#56

Ethyl methacrylate

Concen: 6.252 ug/l

RT: 10.445 min Scan# 14

Delta R.T. 0.007 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

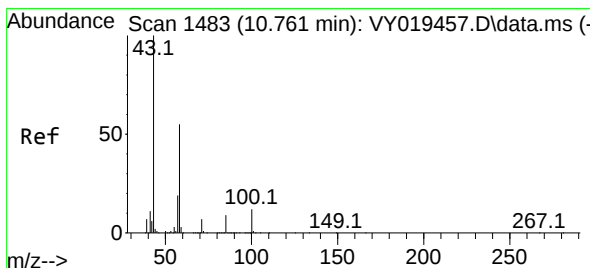
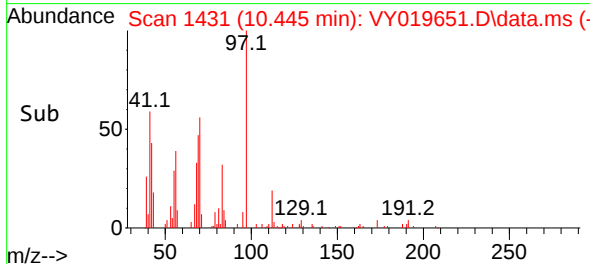
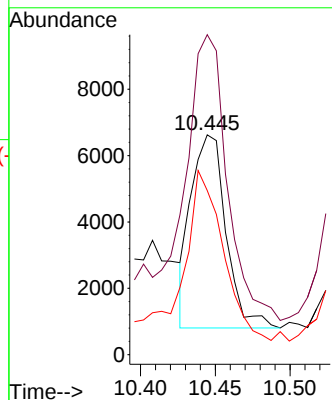
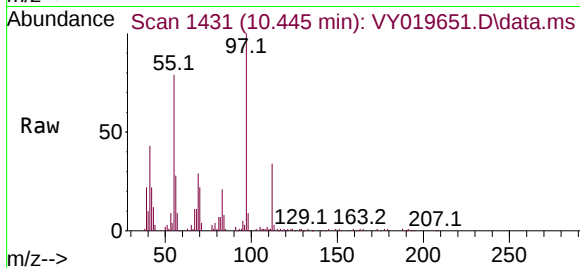
Tgt Ion: 69 Resp: 9403

Ion Ratio Lower Upper

69 100

41 198.3 42.3 63.5#

39 108.3 22.9 34.3#



#59

2-Hexanone

Concen: 79.749 ug/l

RT: 10.725 min Scan# 1477

Delta R.T. -0.036 min

Lab File: VY019651.D

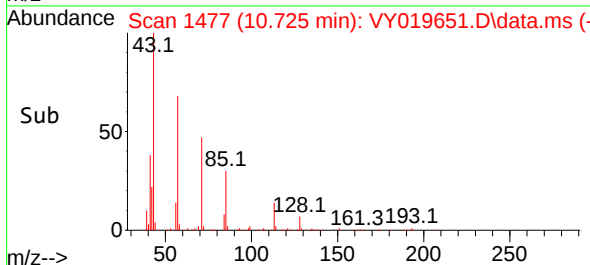
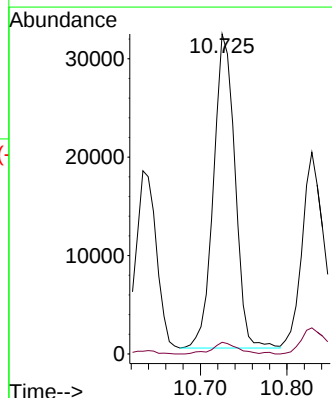
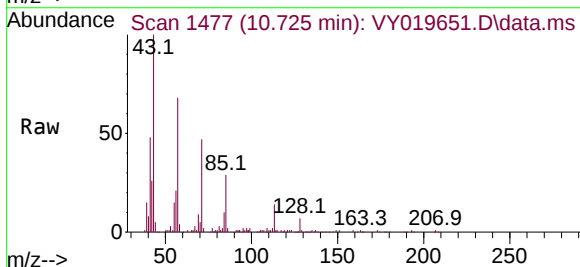
Acq: 20 Sep 2024 17:20

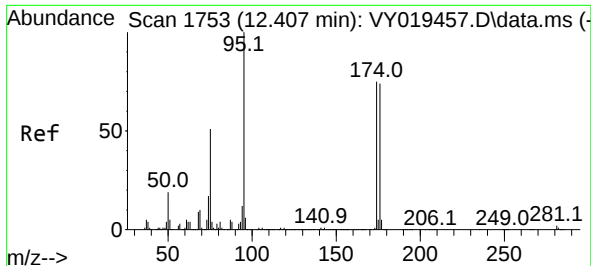
Tgt Ion: 43 Resp: 55128

Ion Ratio Lower Upper

43 100

58 4.3 31.4 94.0#

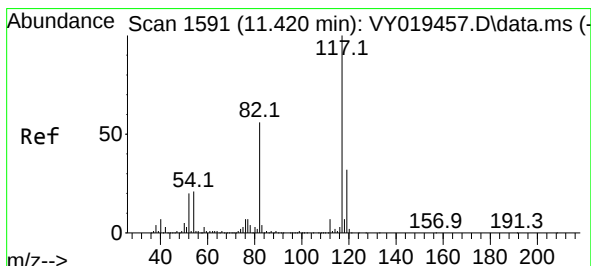
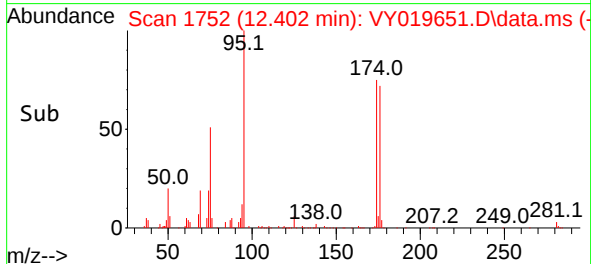
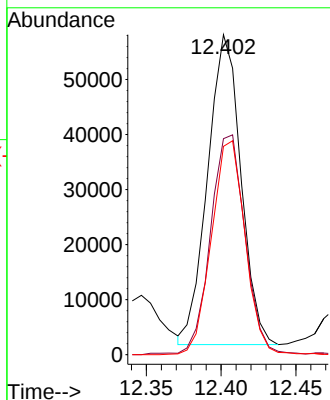
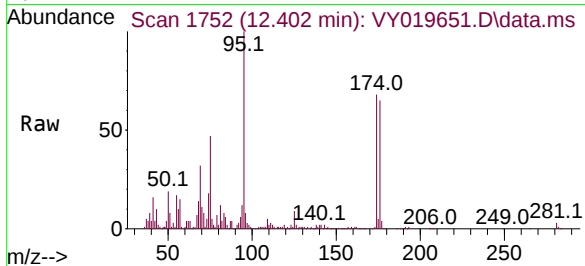




#62
4-Bromofluorobenzene
Concen: 47.861 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

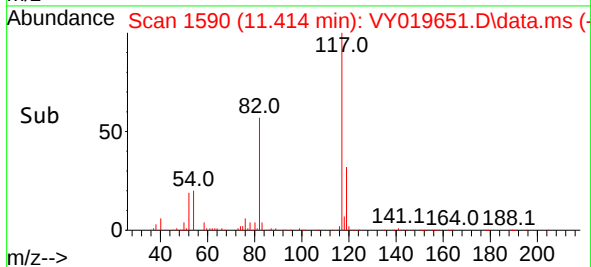
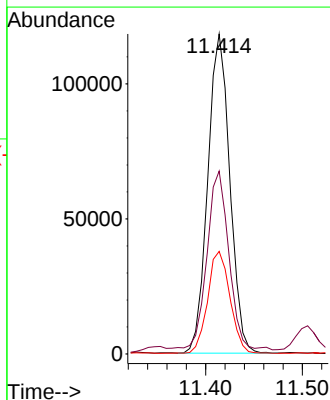
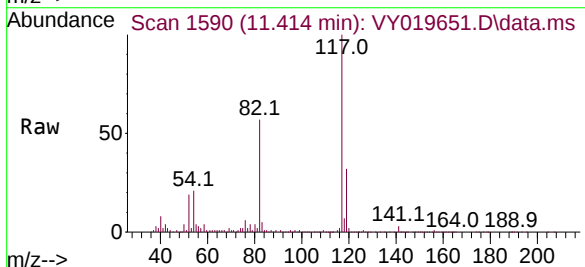
Instrument :
MSVOA_Y
ClientSampleId :

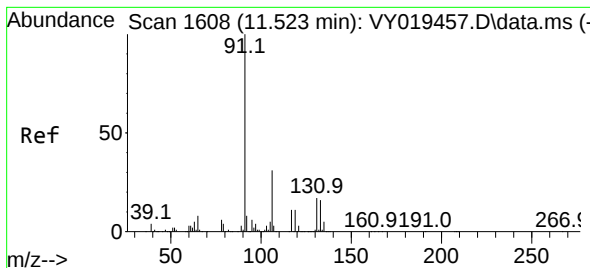
Tgt Ion: 95 Resp: 87096
Ion Ratio Lower Upper
95 100
174 74.1 0.0 175.6
176 70.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Tgt Ion: 117 Resp: 186846
Ion Ratio Lower Upper
117 100
82 56.0 42.4 63.6
119 31.9 25.9 38.9





#67

Ethyl Benzene

Concen: 23.668 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

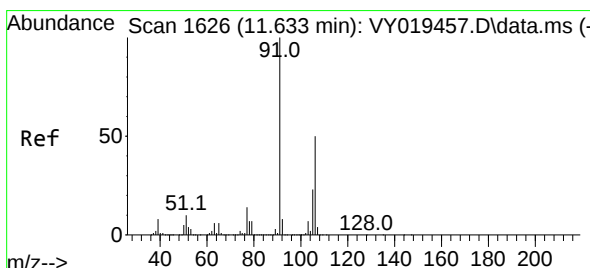
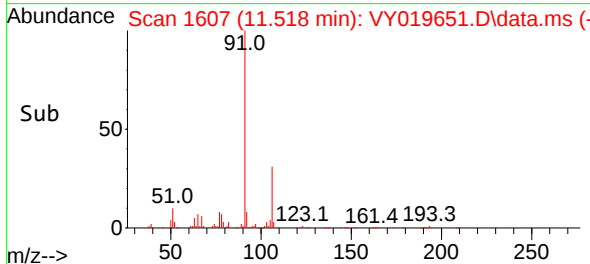
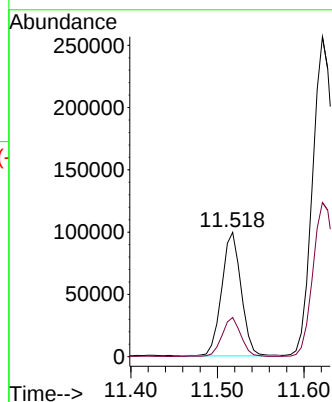
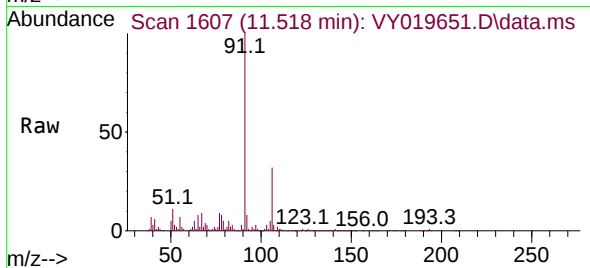
ClientSampleId :

Tgt Ion: 91 Resp: 154567

Ion Ratio Lower Upper

91 100

106 31.5 24.5 36.7



#68

m/p-Xylenes

Concen: 90.650 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY019651.D

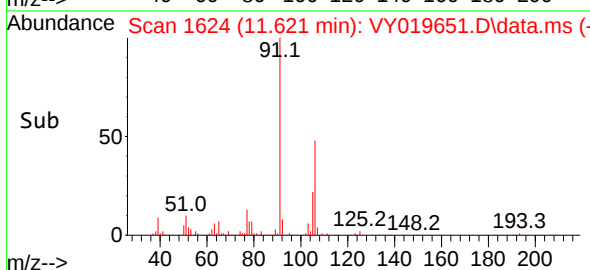
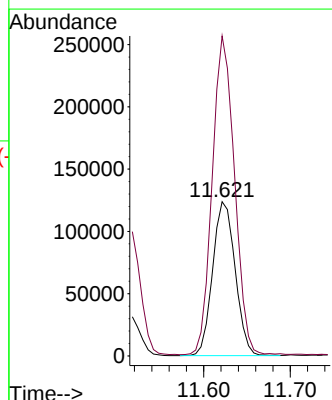
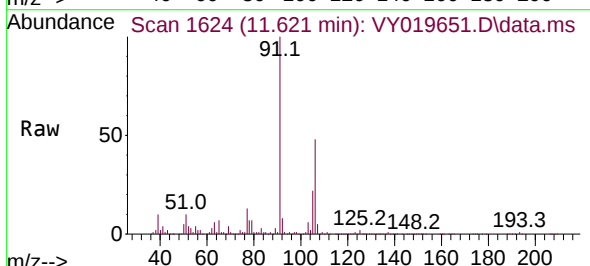
Acq: 20 Sep 2024 17:20

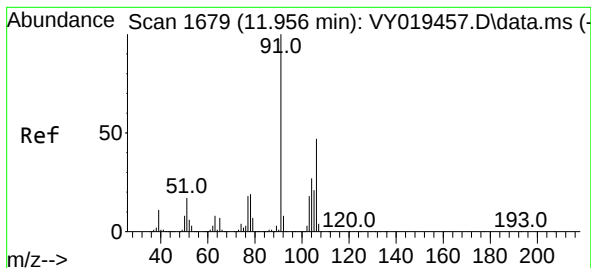
Tgt Ion:106 Resp: 223846

Ion Ratio Lower Upper

106 100

91 204.1 156.0 234.0





#69

o-Xylene

Concen: 35.295 ug/l

RT: 11.950 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

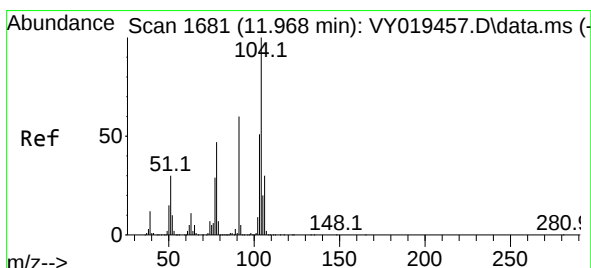
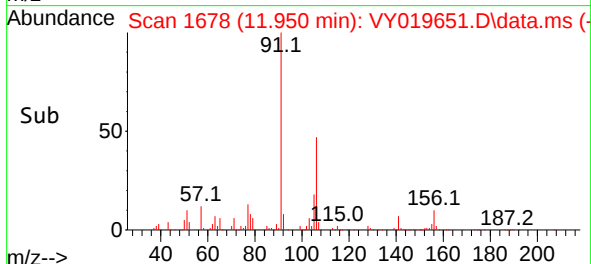
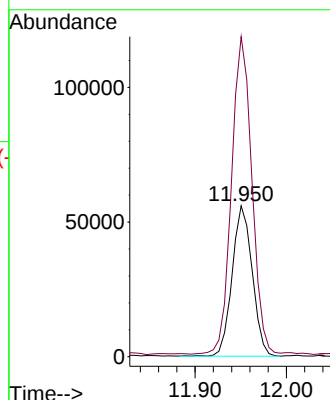
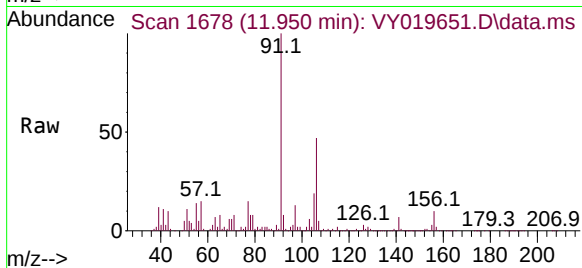
ClientSampleId :

Tgt Ion:106 Resp: 85236

Ion Ratio Lower Upper

106 100

91 215.4 103.6 310.8



#70

Styrene

Concen: 1.437 ug/l

RT: 11.957 min Scan# 1679

Delta R.T. -0.012 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

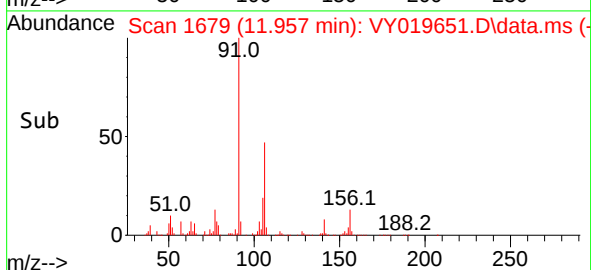
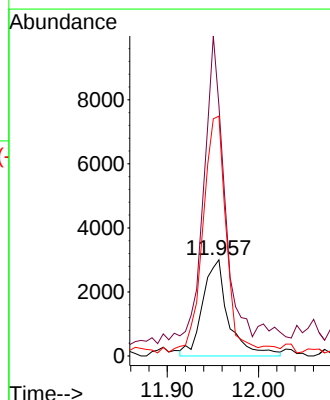
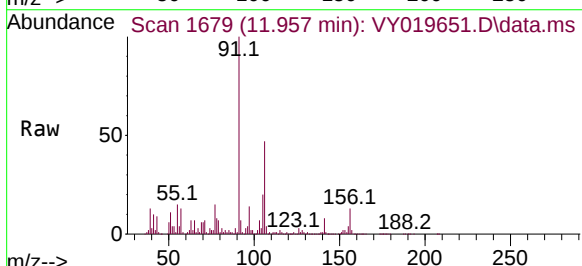
Tgt Ion:104 Resp: 5860

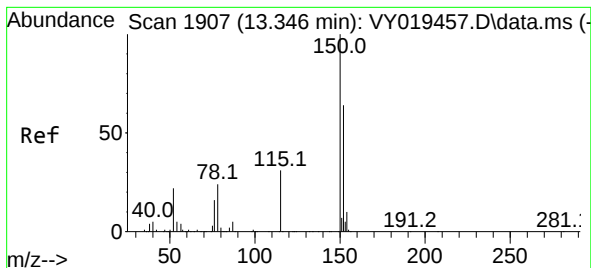
Ion Ratio Lower Upper

104 100

78 279.2 37.0 55.4#

103 224.5 44.2 66.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

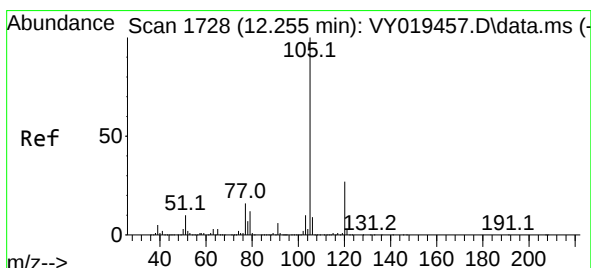
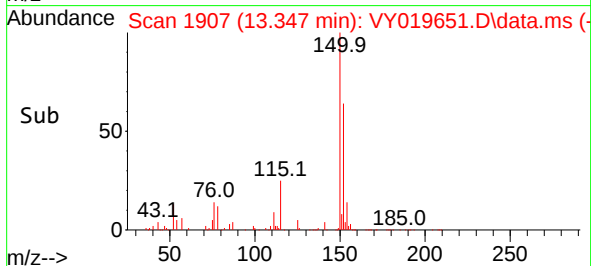
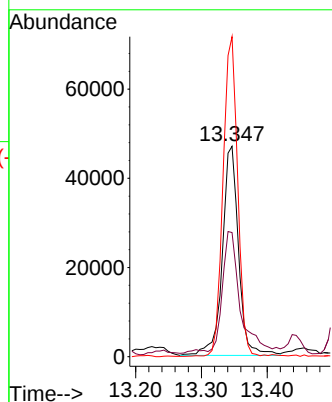
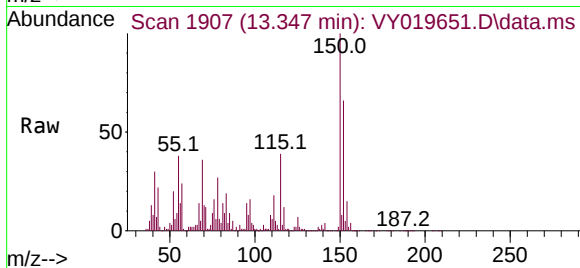
Tgt Ion:152 Resp: 80610

Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 137.3 0.0 345.6



#73

Isopropylbenzene

Concen: 42.297 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY019651.D

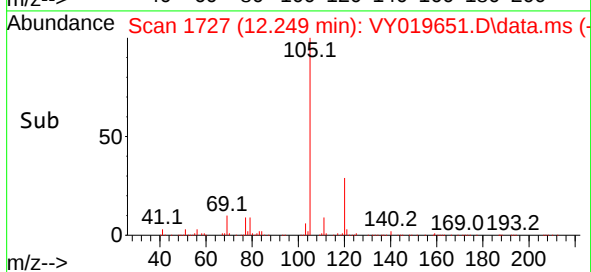
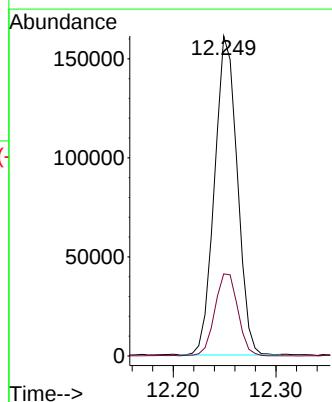
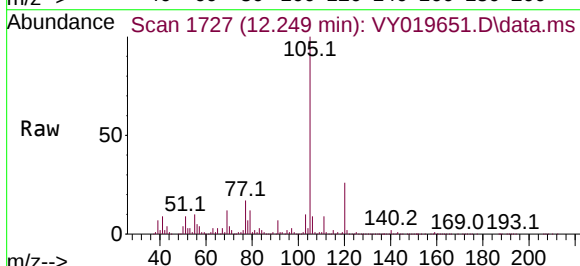
Acq: 20 Sep 2024 17:20

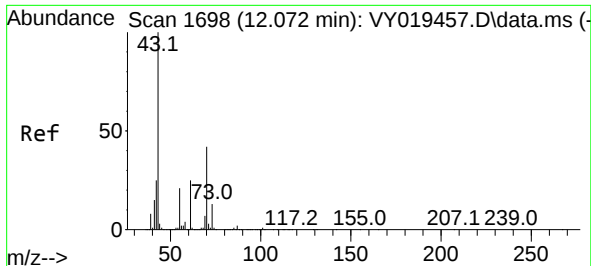
Tgt Ion:105 Resp: 247354

Ion Ratio Lower Upper

105 100

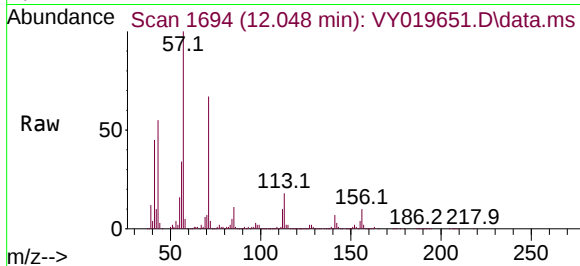
120 26.0 13.4 40.1



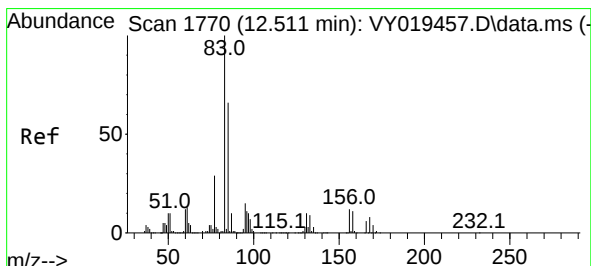
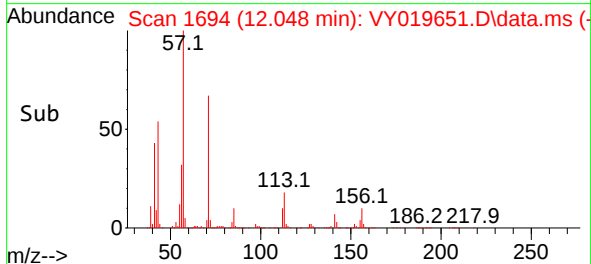
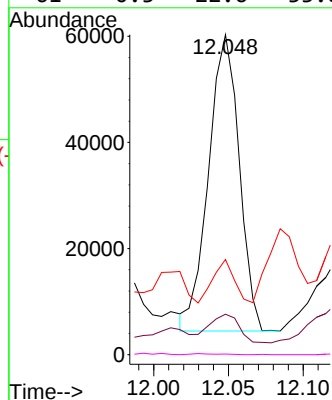


#74
N-amy1 acetate
Concen: 50.024 ug/l
RT: 12.048 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Instrument :
MSVOA_Y
ClientSampleId :

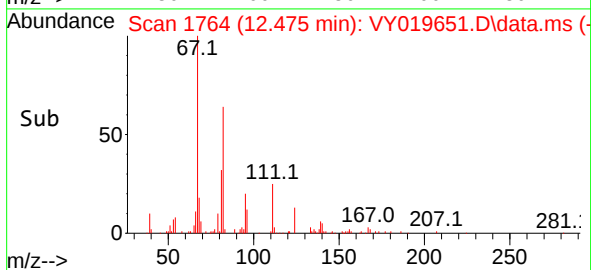
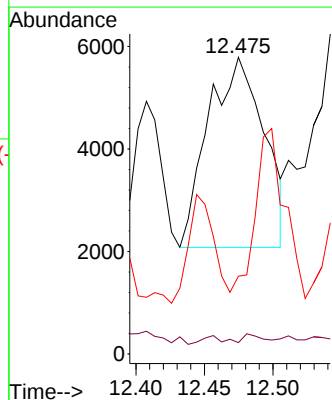
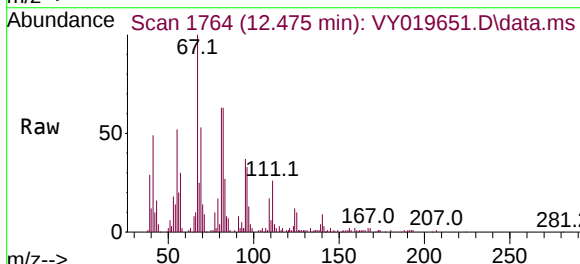


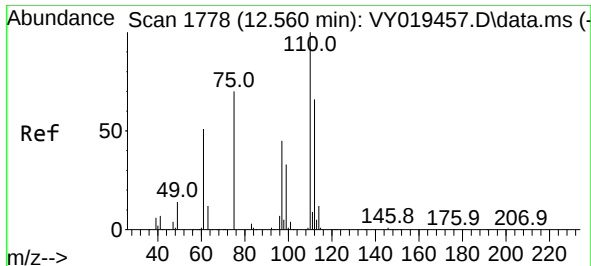
Tgt Ion: 43	Resp: 79561
Ion Ratio	Lower Upper
43	100
70	9.7 41.4 62.2#
55	12.2 23.3 34.9#
61	0.3 22.6 33.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 10.114 ug/l
RT: 12.475 min Scan# 1764
Delta R.T. -0.036 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Tgt Ion: 83	Resp: 10498
Ion Ratio	Lower Upper
83	100
131	1.5 5.0 14.9#
85	0.0 32.0 96.0#

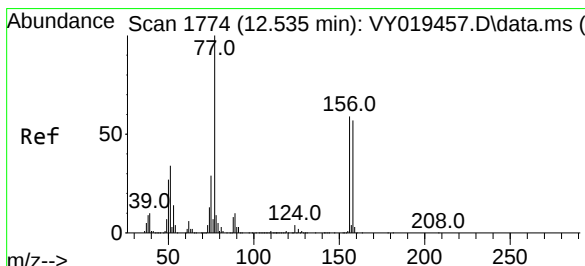
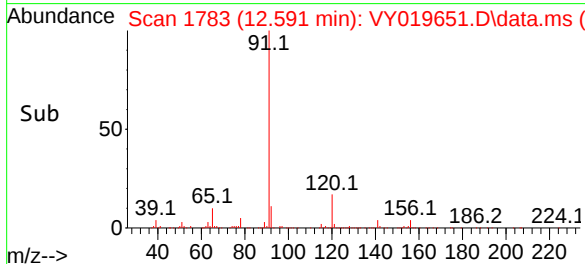
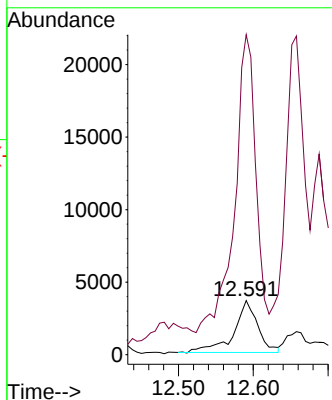
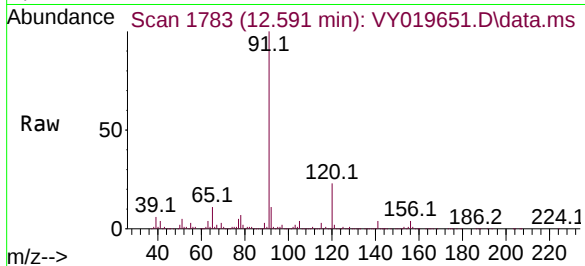




#76
1,2,3-Trichloropropane
Concen: 10.533 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.031 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

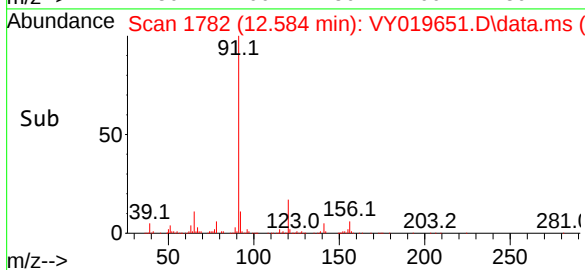
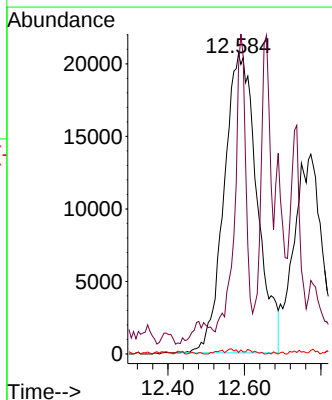
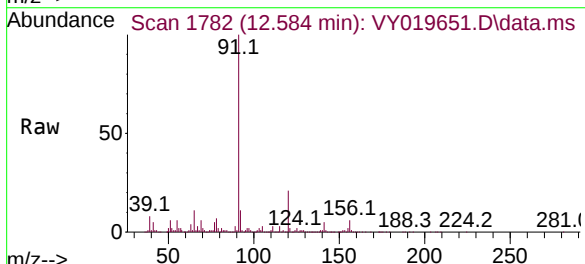
Instrument :
MSVOA_Y
ClientSampleId :

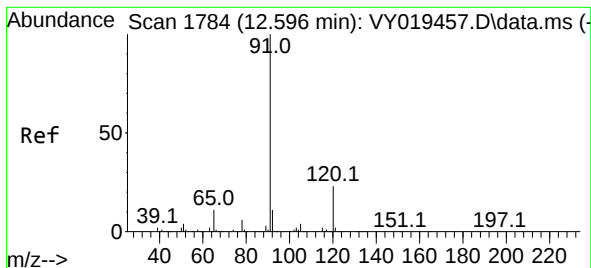
Tgt Ion: 75 Resp: 7958
Ion Ratio Lower Upper
75 100
77 509.8 0.0 0.0#



#77
Bromobenzene
Concen: 94.932 ug/l
RT: 12.584 min Scan# 1782
Delta R.T. 0.049 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Tgt Ion:156 Resp: 123127
Ion Ratio Lower Upper
156 100
77 32.9 87.1 261.3#
158 0.0 48.6 145.9#





#78

n-propylbenzene

Concen: 103.901 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

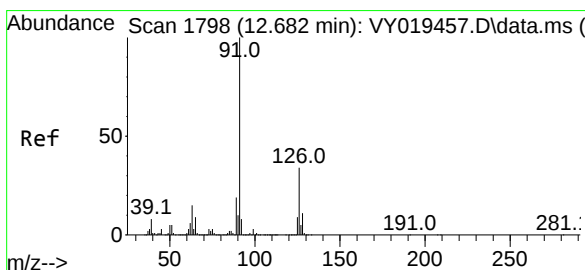
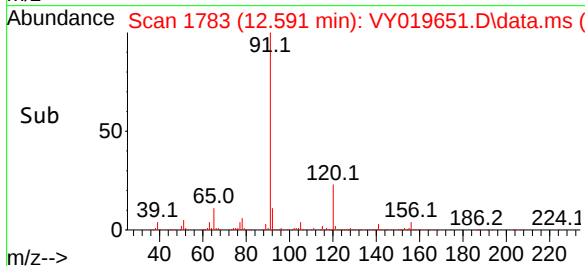
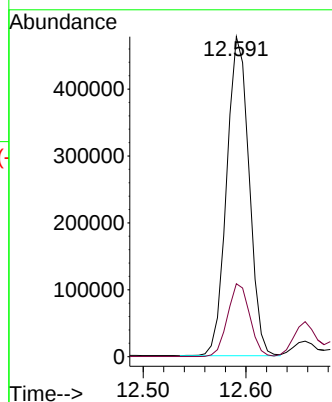
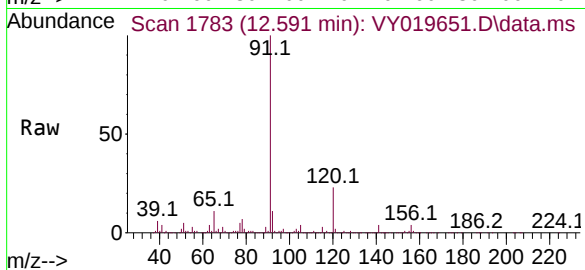
ClientSampleId :

Tgt Ion: 91 Resp: 720189

Ion Ratio Lower Upper

91 100

120 22.6 11.5 34.4



#79

2-Chlorotoluene

Concen: 7.558 ug/l

RT: 12.658 min Scan# 1794

Delta R.T. -0.024 min

Lab File: VY019651.D

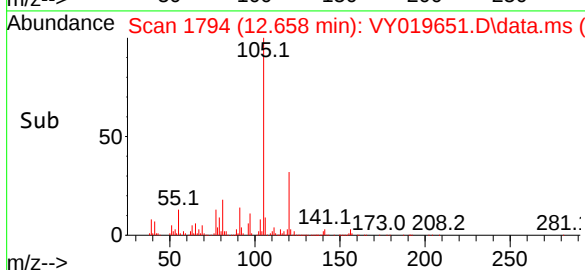
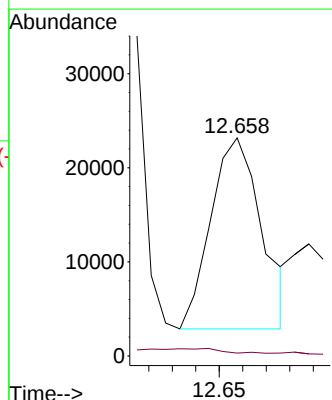
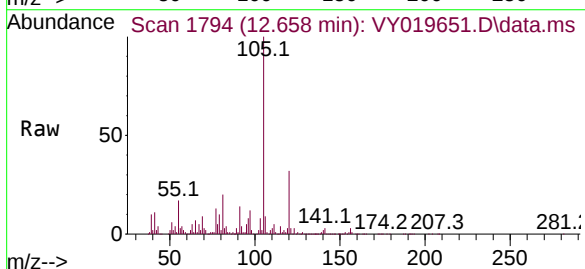
Acq: 20 Sep 2024 17:20

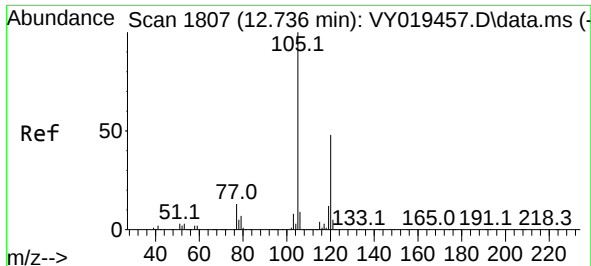
Tgt Ion: 91 Resp: 30530

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#

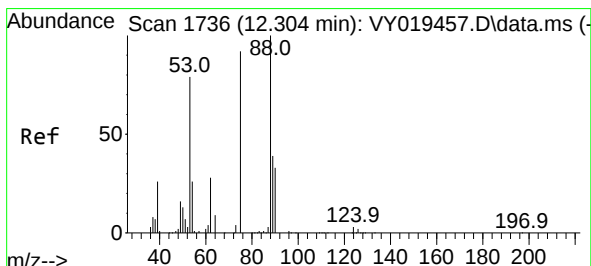
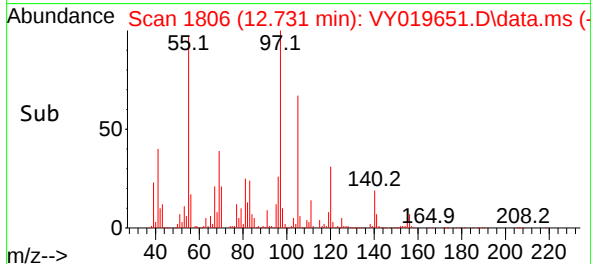
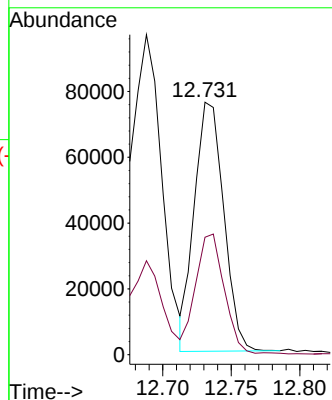
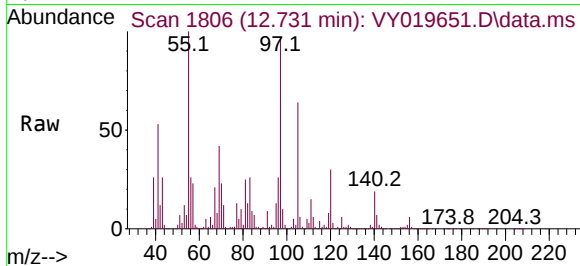




#80
1,3,5-Trimethylbenzene
Concen: 23.765 ug/l
RT: 12.731 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

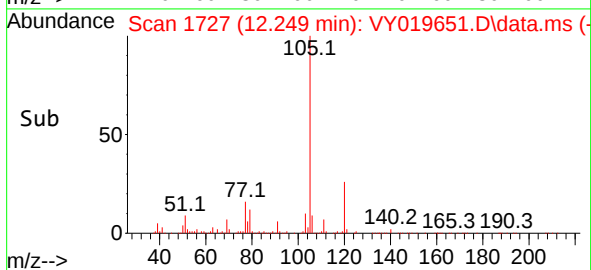
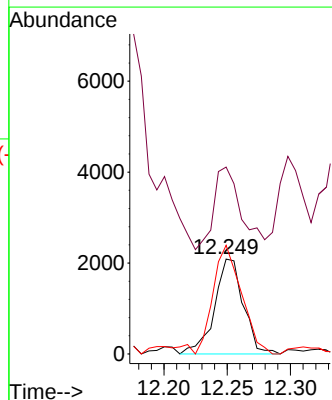
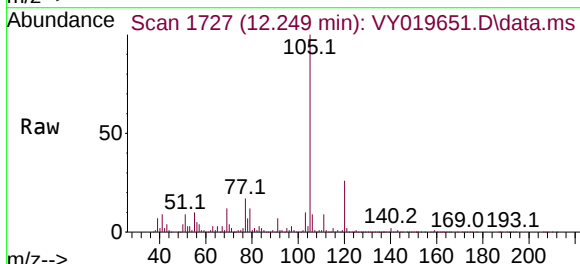
Instrument :
MSVOA_Y
ClientSampleId :

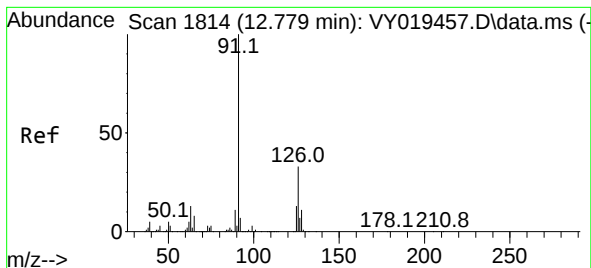
Tgt Ion:105 Resp: 112985
Ion Ratio Lower Upper
105 100
120 47.3 25.1 75.2



#81
trans-1,4-Dichloro-2-butene
Concen: 8.400 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. -0.054 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Tgt Ion: 75 Resp: 3306
Ion Ratio Lower Upper
75 100
53 82.0 66.8 100.2
89 113.2 35.8 53.6#

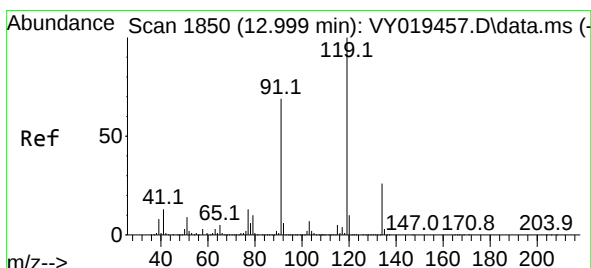
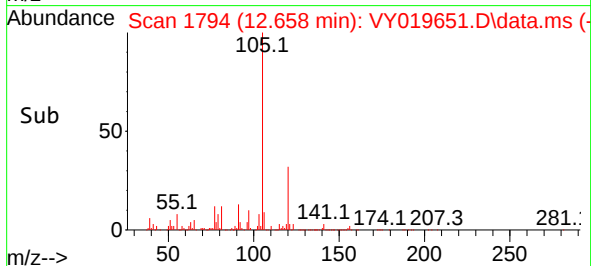
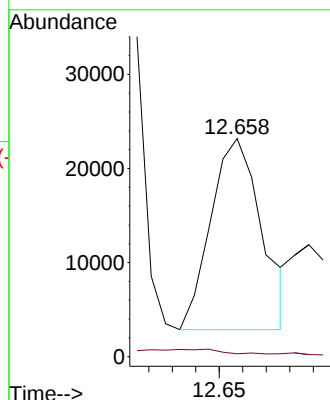
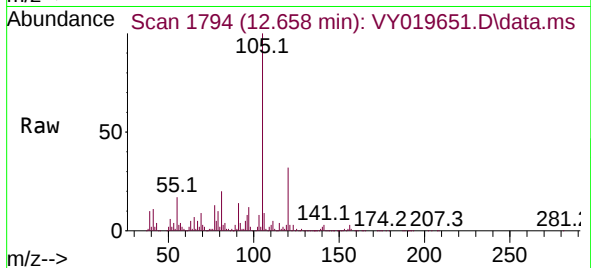




#82
4-Chlorotoluene
Concen: 7.352 ug/l
RT: 12.658 min Scan# 11
Delta R.T. -0.122 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

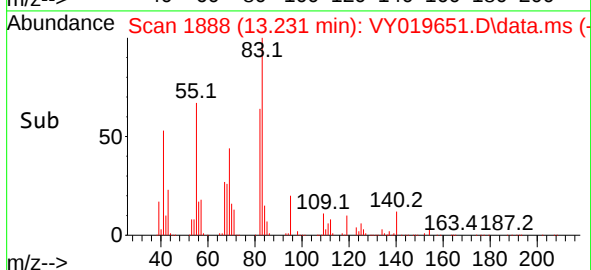
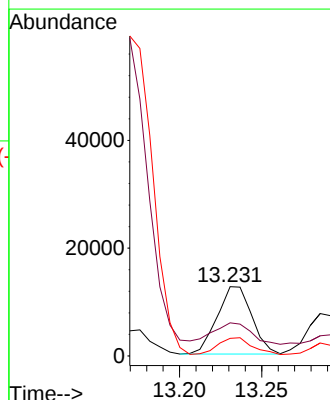
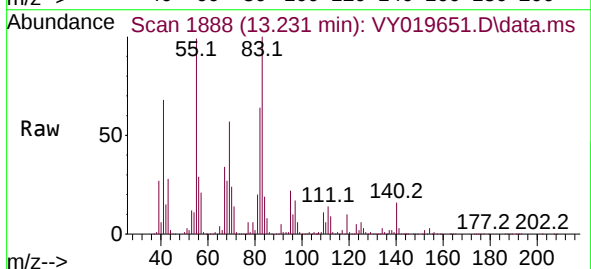
Instrument :
MSVOA_Y
ClientSampleId :

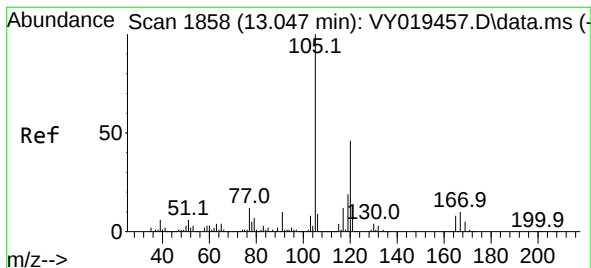
Tgt Ion: 91 Resp: 30530
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#



#83
tert-Butylbenzene
Concen: 4.260 ug/l
RT: 13.231 min Scan# 1888
Delta R.T. 0.232 min
Lab File: VY019651.D
Acq: 20 Sep 2024 17:20

Tgt Ion: 119 Resp: 18336
Ion Ratio Lower Upper
119 100
91 35.7 31.3 93.8
134 25.1 13.4 40.1





#84

1,2,4-Trimethylbenzene

Concen: 93.631 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

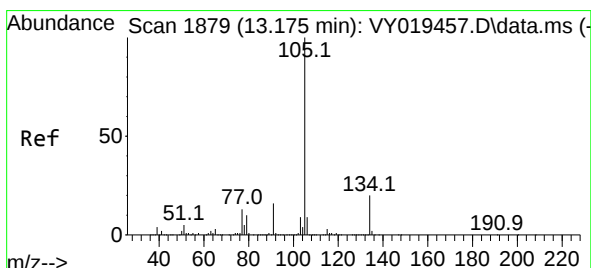
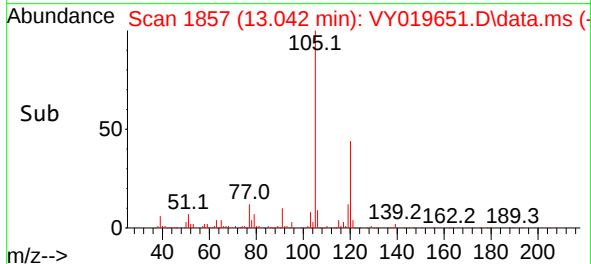
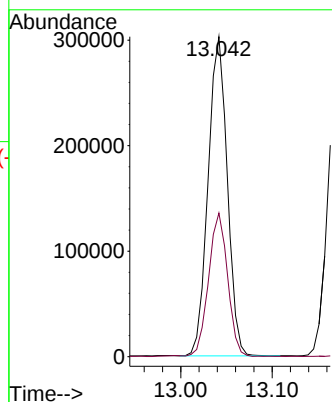
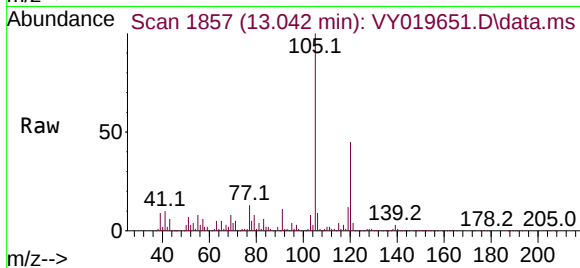
ClientSampleId :

Tgt Ion:105 Resp: 440628

Ion Ratio Lower Upper

105 100

120 45.0 23.2 69.6



#85

sec-Butylbenzene

Concen: 70.785 ug/l

RT: 13.170 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VY019651.D

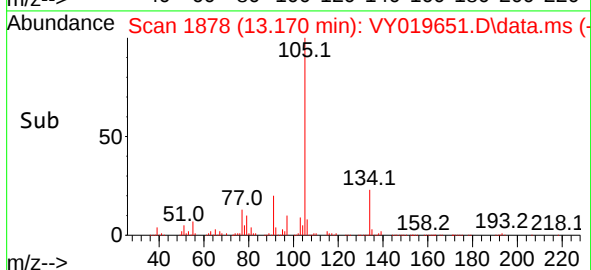
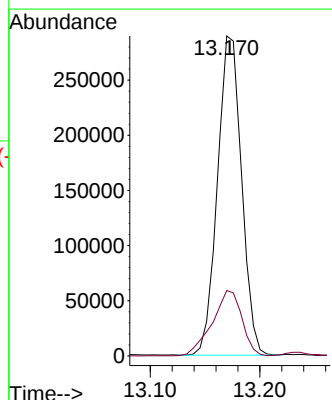
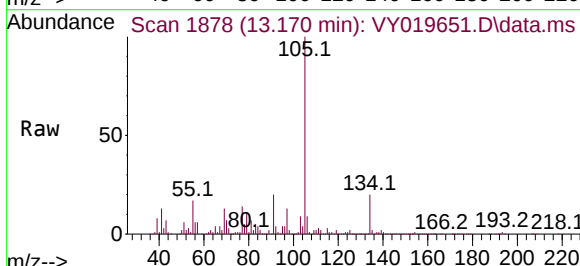
Acq: 20 Sep 2024 17:20

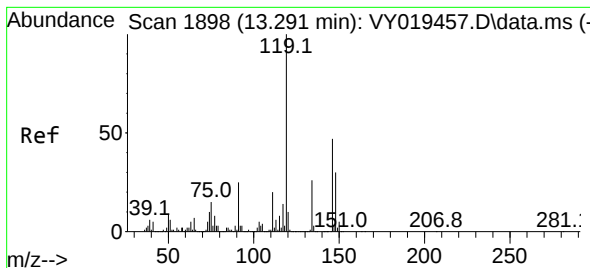
Tgt Ion:105 Resp: 442579

Ion Ratio Lower Upper

105 100

134 25.3 10.1 30.1





#86

p-Isopropyltoluene

Concen: 12.801 ug/l

RT: 13.444 min Scan# 1923

Delta R.T. 0.153 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

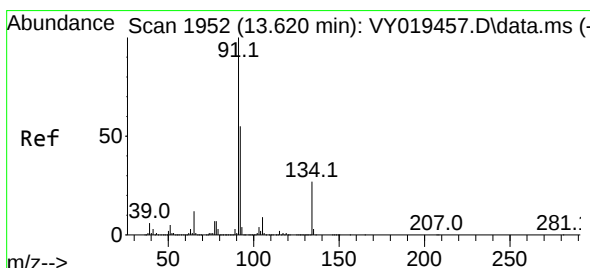
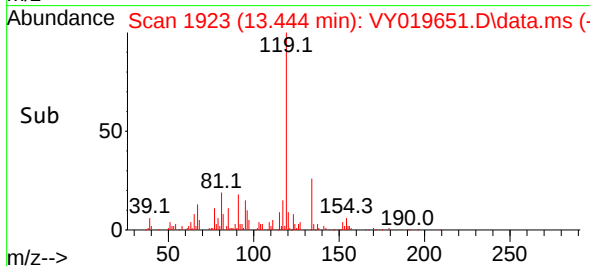
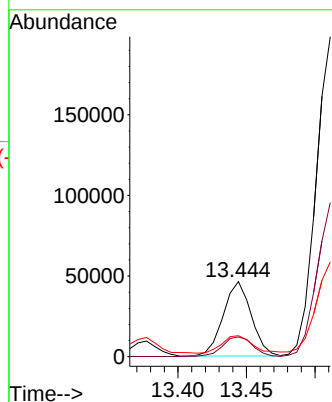
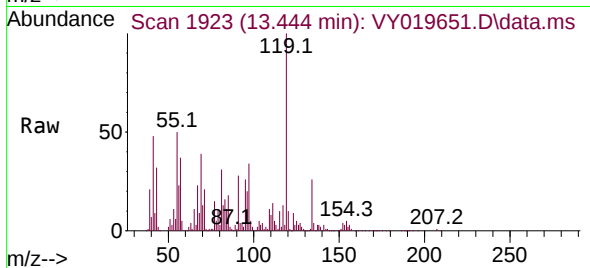
Tgt Ion:119 Resp: 65486

Ion Ratio Lower Upper

119 100

134 29.0 13.1 39.3

91 24.9 10.7 32.1



#89

n-Butylbenzene

Concen: 89.989 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

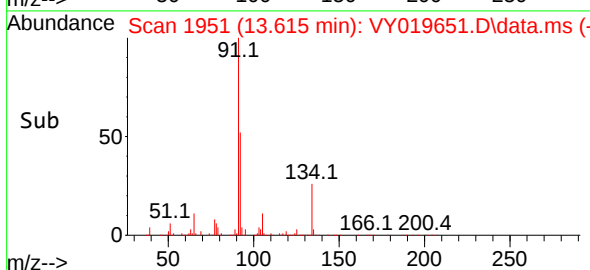
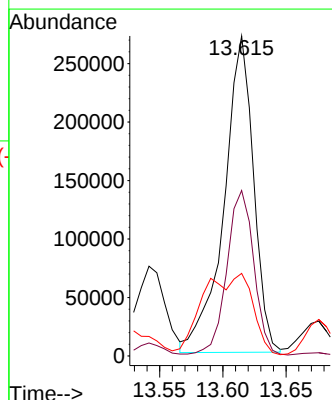
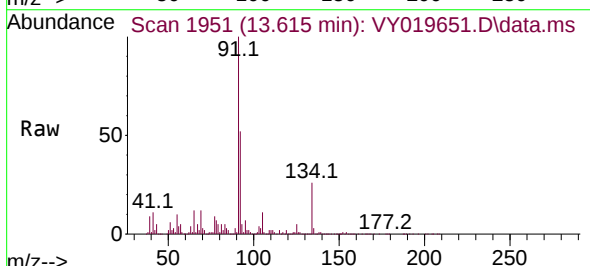
Tgt Ion: 91 Resp: 440080

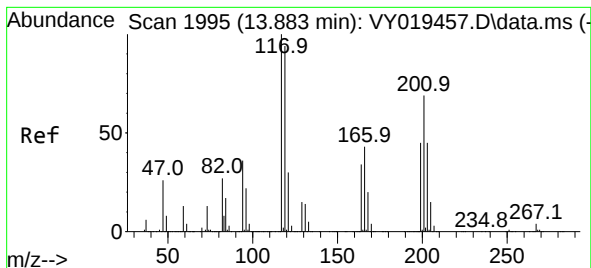
Ion Ratio Lower Upper

91 100

92 47.5 26.6 79.7

134 0.0 12.9 38.7#





#90

Hexachloroethane

Concen: 106.748 ug/l

RT: 13.889 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

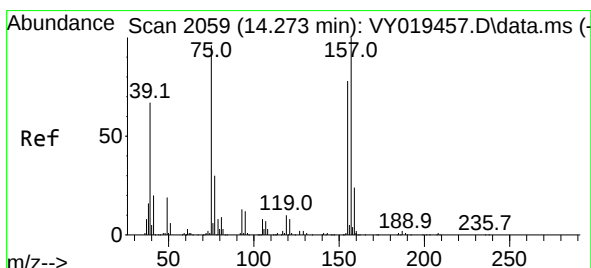
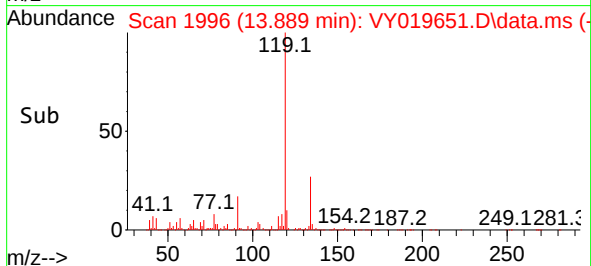
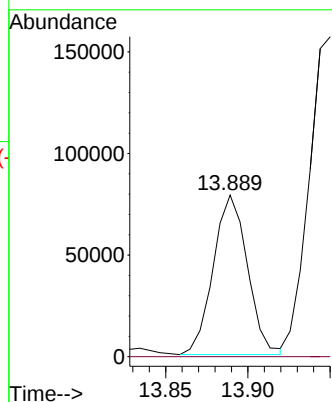
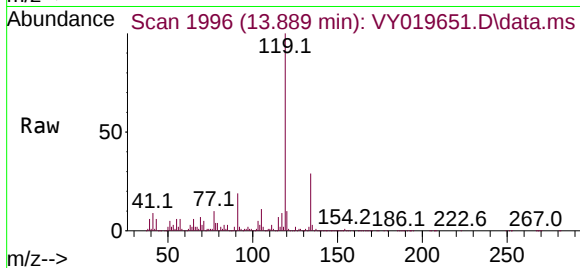
ClientSampleId :

Tgt Ion:117 Resp: 113622

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.249 ug/l

RT: 14.291 min Scan# 2062

Delta R.T. 0.019 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

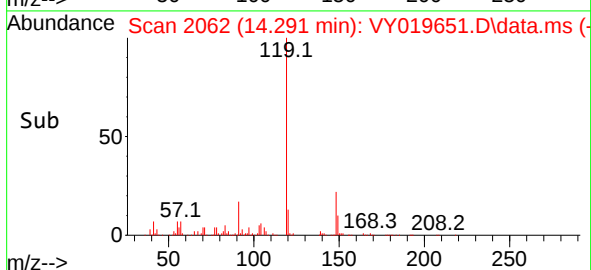
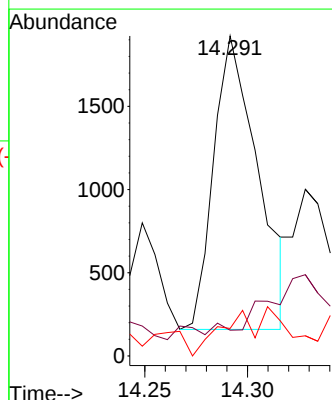
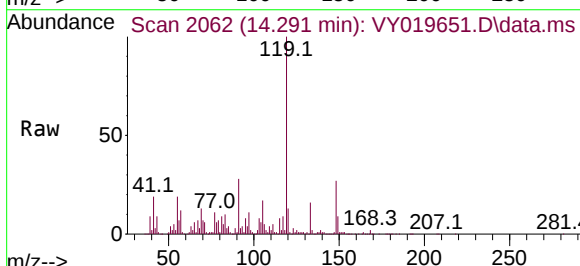
Tgt Ion: 75 Resp: 2638

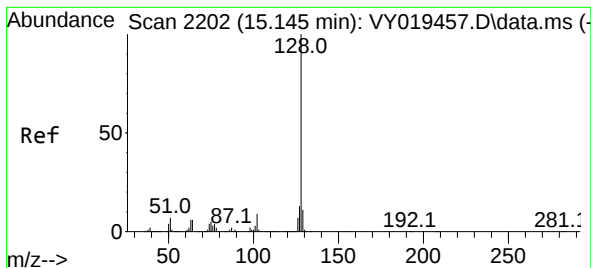
Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

157 11.4 62.7 188.2#





#95

Naphthalene

Concen: 107.057 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Instrument :

MSVOA_Y

ClientSampleId :

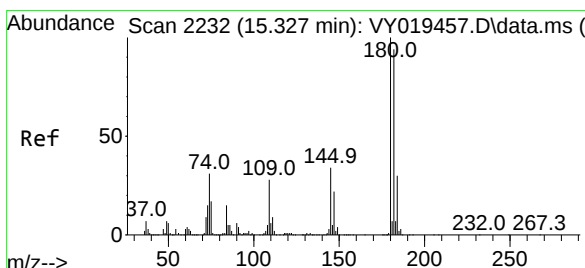
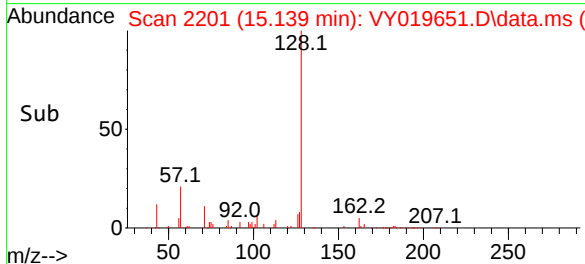
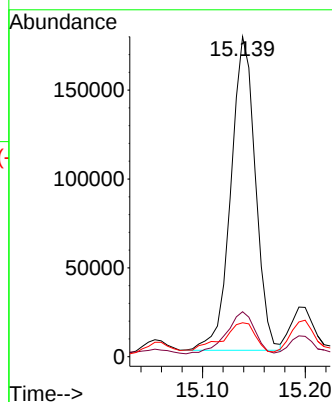
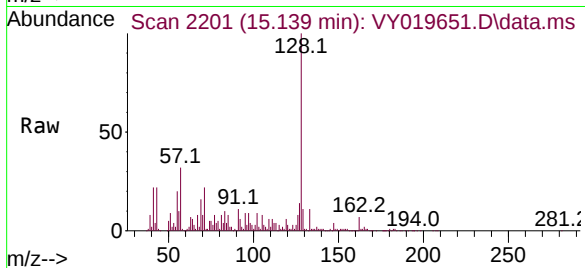
Tgt Ion:128 Resp: 293253

Ion Ratio Lower Upper

128 100

127 15.5 10.6 16.0

129 12.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.473 ug/l

RT: 15.340 min Scan# 2234

Delta R.T. 0.013 min

Lab File: VY019651.D

Acq: 20 Sep 2024 17:20

Tgt Ion:180 Resp: 2894

Ion Ratio Lower Upper

180 100

182 0.0 47.6 142.9#

145 3430.2 15.4 46.1#

