

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019650.D
 Acq On : 20 Sep 2024 16:56
 Operator : SY/MD
 Sample : P4103-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:52:04 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	127451	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	203411	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.414	117	139573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	74553	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	48759	41.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.640%
35) Dibromofluoromethane	7.628	113	56904	49.340	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.680%
50) Toluene-d8	10.103	98	505329	118.461	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	236.920%#
62) 4-Bromofluorobenzene	12.401	95	130125	79.333	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	158.660%#

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.861	85	25	Below Cal	#	43
3) Chloromethane	2.025	50	12529	11.882	ug/l	# 77
5) Bromomethane	2.598	94	1354	1.933	ug/l	# 77
6) Chloroethane	2.836	64	9883	13.259	ug/l	# 1
10) Methyl Iodide	3.988	142	2438	1.617	ug/l	# 92
11) Tert butyl alcohol	4.824	59	716	7.512	ug/l	# 88
13) Acrolein	3.610	56	41478	943.765	ug/l	# 1
14) Allyl chloride	4.470	41	275525	135.873	ug/l	# 58
15) Acrylonitrile	5.128	53	1066377	3876.322	ug/l	# 39
16) Acetone	3.848	43	2049224	7288.520	ug/l	# 45
19) Methyl tert-butyl Ether	5.116	73	5824	1.819	ug/l	# 1
20) Methylene Chloride	4.482	84	104185	81.254	ug/l	# 19
23) Vinyl Acetate	5.921	43	135423	56.936	ug/l	# 69
24) 1,1-Dichloroethane	5.921	63	14810	6.338	ug/l	# 80
25) 2-Butanone	6.878	43	373688	934.506	ug/l	# 42
26) 2,2-Dichloropropane	6.689	77	93875	44.538	ug/l	# 51
29) Tetrahydrofuran	7.256	42	10517	43.256	ug/l	# 26
30) Chloroform	7.378	83	385663	161.678	ug/l	# 19
31) Cyclohexane	7.683	56	8617480	4080.032	ug/l	# 50
36) 1,1-Dichloropropene	7.793	75	5813	3.704	ug/l	# 1
37) Ethyl Acetate	6.878	43	373688	464.741	ug/l	# 70
38) Carbon Tetrachloride	7.701	117	13487	7.621	ug/l	# 18
39) Methylcyclohexane	9.109	83	8482928	4061.882	ug/l	# 84
40) Benzene	8.079	78	8912	1.844	ug/l	# 85
41) Methacrylonitrile	7.262	41	113055	241.202	ug/l	# 41
42) 1,2-Dichloroethane	8.128	62	1975	1.518	ug/l	# 71
43) Isopropyl Acetate	8.189	43	2326892	1377.430	ug/l	# 47
45) 1,2-Dichloropropane	9.109	63	124219	105.121	ug/l	# 1
46) Dibromomethane	9.250	93	1393	2.156	ug/l	# 1
47) Bromodichloromethane	9.408	83	421416	242.604	ug/l	# 28
48) Methyl methacrylate	9.250	41	1235191	1548.360	ug/l	# 21
49) 1,4-Dioxane	9.164	88	135	17.746	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.042	43	1952538	2297.443	ug/l	# 73
52) Toluene	10.170	92	10222866	3288.496	ug/l	# 85
53) t-1,3-Dichloropropene	10.304	75	4252	2.568	ug/l	# 1
54) cis-1,3-Dichloropropene	9.890	75	2627	1.362	ug/l	# 1

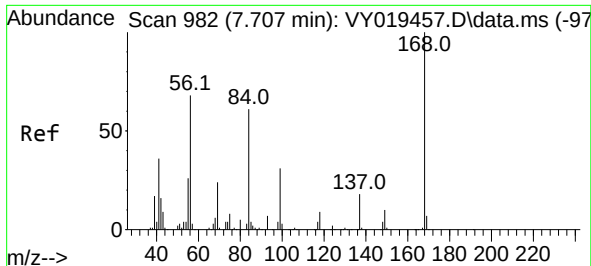
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
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 Acq On : 20 Sep 2024 16:56
 Operator : SY/MD
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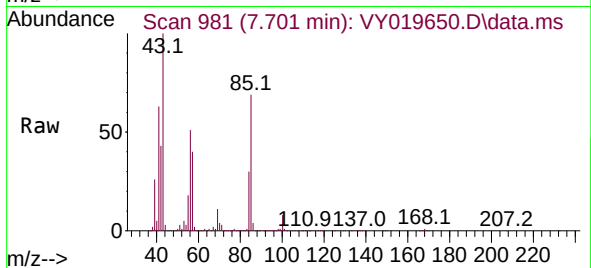
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) 1,1,2-Trichloroethane	10.542	97	1544267	1730.495	ug/l #	22
56) Ethyl methacrylate	10.451	69	175395	129.387	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.682	63	76222	121.147	ug/l #	46
59) 2-Hexanone	10.731	43	1812770	2909.413	ug/l #	24
60) Dibromochloromethane	11.139	129	3690	3.126	ug/l	96
61) 1,2-Dibromoethane	10.993	107	3929	4.725	ug/l #	1
65) Chlorobenzene	11.554	112	20297	7.393	ug/l #	42
67) Ethyl Benzene	11.511	91	21027845	4310.513	ug/l #	27
68) m/p-Xylenes	11.524	106	13244111	7179.995	ug/l	76
69) o-Xylene	11.950	106	17627844	9771.793	ug/l #	1
70) Styrene	11.956	104	1277833	419.549	ug/l #	1
73) Isopropylbenzene	12.255	105	6442356	1191.134	ug/l	99
74) N-amyl acetate	12.048	43	996430	677.406	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.566	83	110048	114.633	ug/l #	14
76) 1,2,3-Trichloropropane	12.597	75	190857	273.130	ug/l #	100
77) Bromobenzene	12.590	156	111357	92.833	ug/l #	1
78) n-propylbenzene	12.590	91	18195582	2838.337	ug/l #	71
79) 2-Chlorotoluene	12.664	91	6641575	1777.741	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.731	105	15022960	3416.674	ug/l	75
81) trans-1,4-Dichloro-2-b...	12.255	75	79095	217.293	ug/l #	55
82) 4-Chlorotoluene	12.737	91	2379848	619.616	ug/l #	41
83) tert-Butylbenzene	13.048	119	7900193	1984.702	ug/l #	58
84) 1,2,4-Trimethylbenzene	12.889	105	15241366	3501.833	ug/l	86
85) sec-Butylbenzene	13.176	105	2670385	461.794	ug/l #	57
86) p-Isopropyltoluene	13.292	119	991536	209.577	ug/l	96
89) n-Butylbenzene	13.615	91	6508378	1438.977	ug/l #	70
90) Hexachloroethane	13.895	117	1315882	1336.716	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.297	75	14307	89.421	ug/l #	21
93) 1,2,4-Trichlorobenzene	14.913	180	1403	1.109	ug/l #	1
95) Naphthalene	15.139	128	7522682	2969.408	ug/l	99
96) 1,2,3-Trichlorobenzene	15.346	180	7546	6.974	ug/l #	12

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

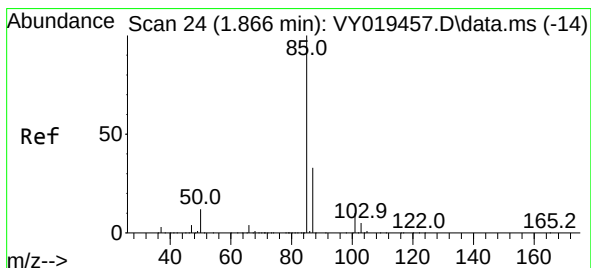
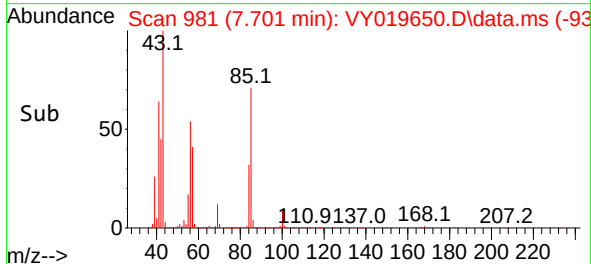
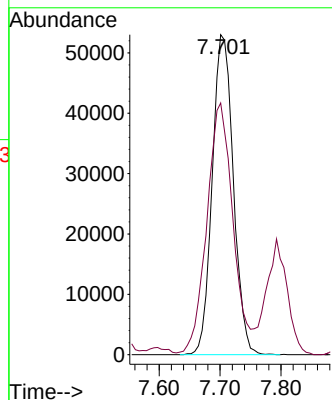


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

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MSVOA_Y
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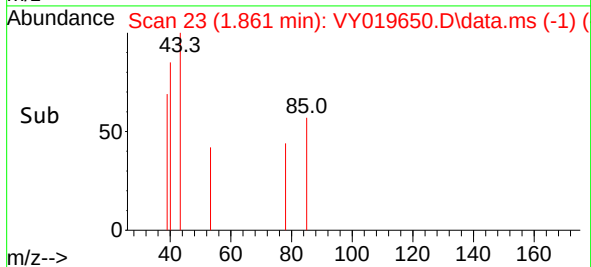
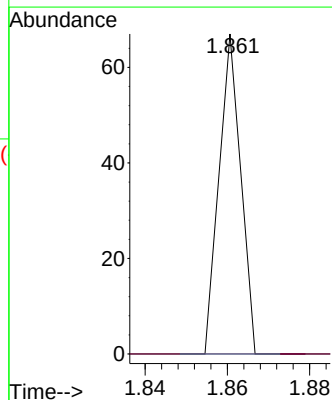
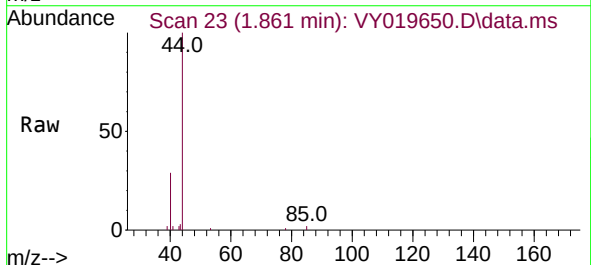


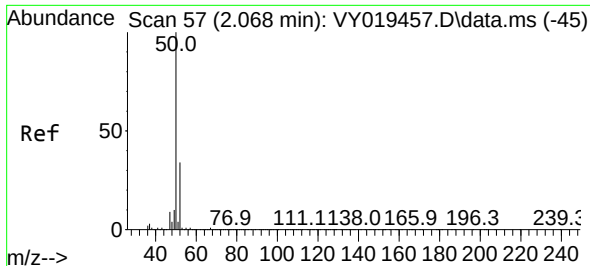
Tgt Ion:168 Resp: 127451
Ion Ratio Lower Upper
168 100
99 77.8 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.861 min Scan# 23
Delta R.T. -0.005 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

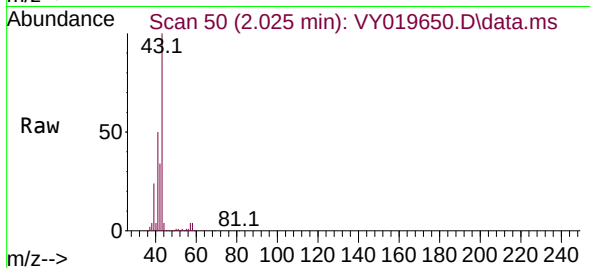
Tgt Ion: 85 Resp: 25
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#



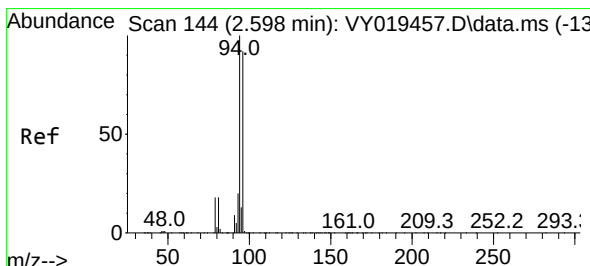
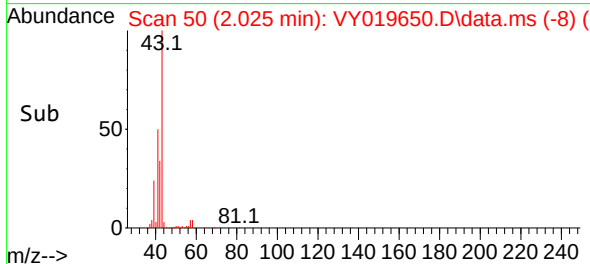
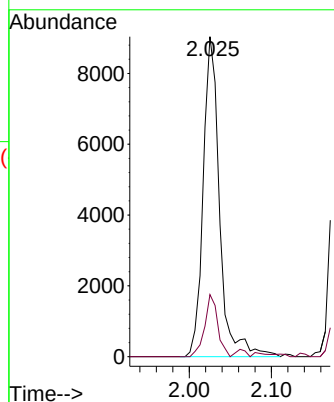


#3
Chloromethane
Concen: 11.882 ug/l
RT: 2.025 min Scan# 50
Delta R.T. -0.042 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Instrument :
MSVOA_Y
ClientSampleId :

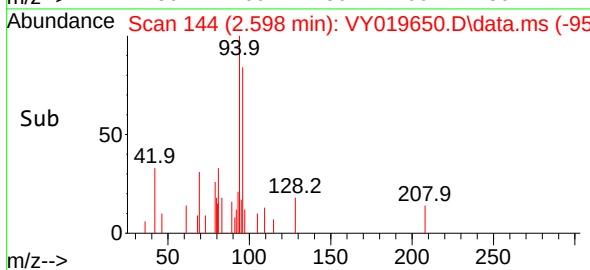
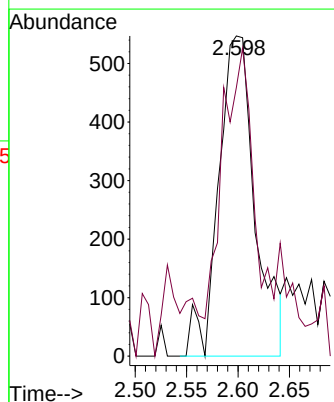
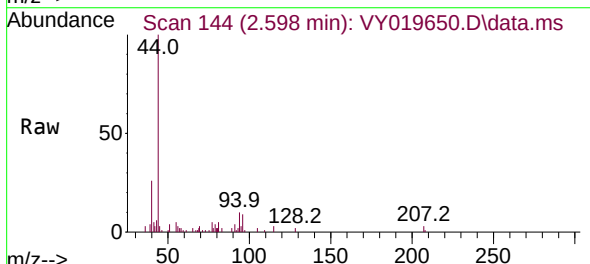


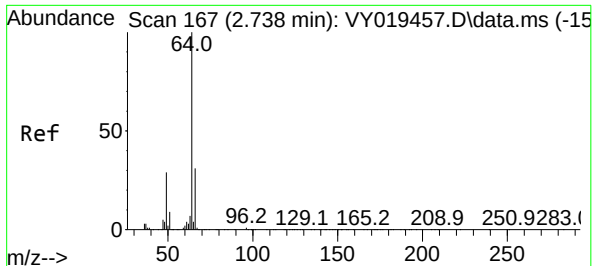
Tgt Ion: 50 Resp: 12529
Ion Ratio Lower Upper
50 100
52 19.4 25.6 38.4#



#5
Bromomethane
Concen: 1.933 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 94 Resp: 1354
Ion Ratio Lower Upper
94 100
96 70.6 74.1 111.1#

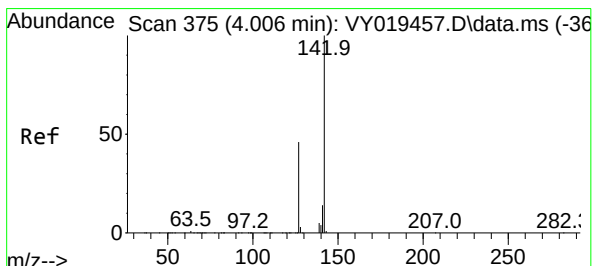
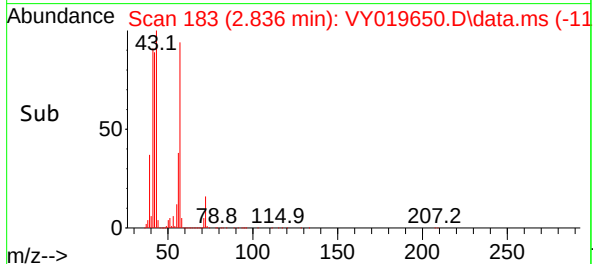
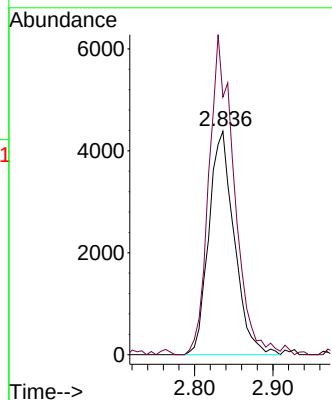
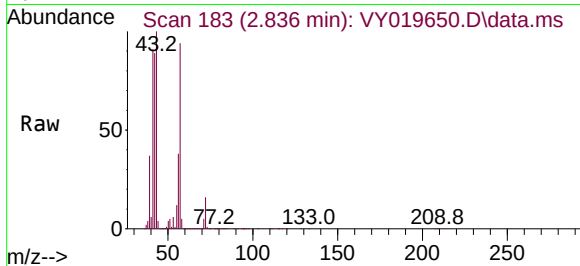




#6
Chloroethane
Concen: 13.259 ug/l
RT: 2.836 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

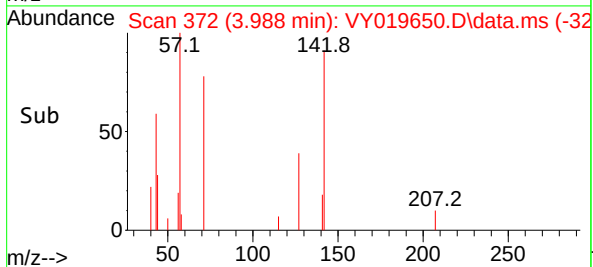
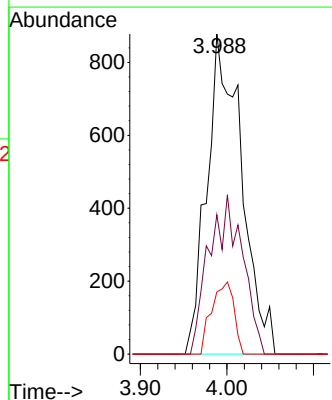
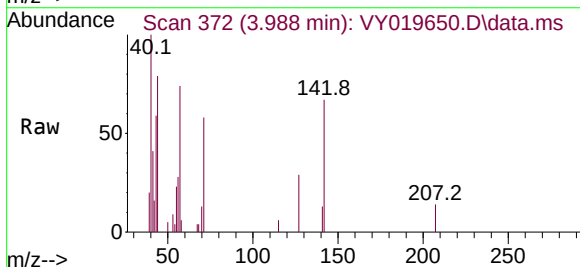
Instrument :
MSVOA_Y
ClientSampleId :

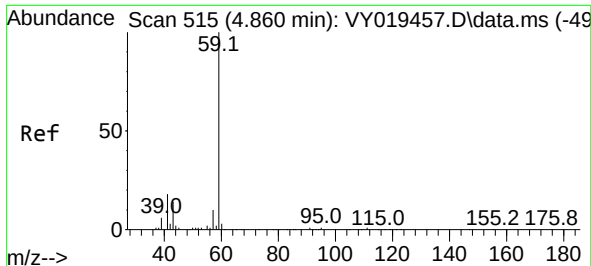
Tgt Ion: 64 Resp: 9883
Ion Ratio Lower Upper
64 100
66 115.3 26.1 39.1#



#10
Methyl Iodide
Concen: 1.617 ug/l
RT: 3.988 min Scan# 372
Delta R.T. -0.018 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 142 Resp: 2438
Ion Ratio Lower Upper
142 100
127 47.9 32.8 49.2
141 14.5 11.4 17.2

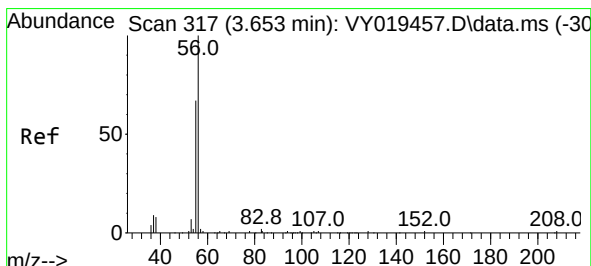
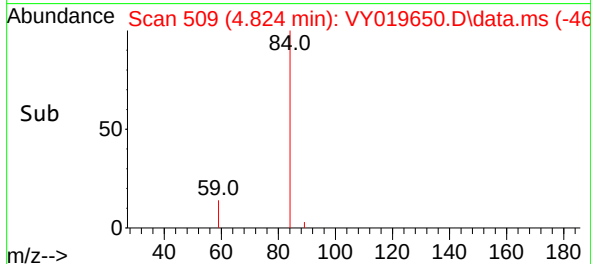
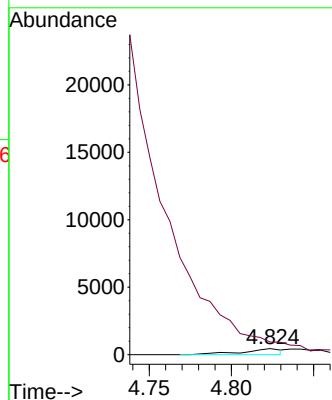
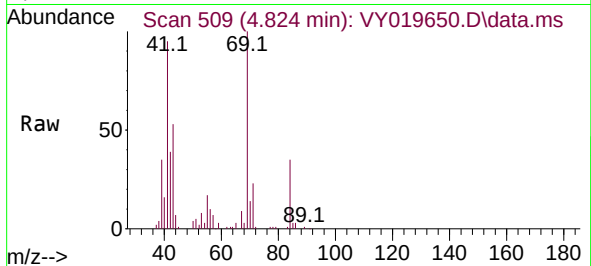




#11
Tert butyl alcohol
Concen: 7.512 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.036 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

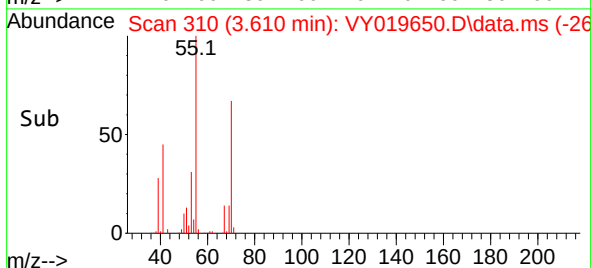
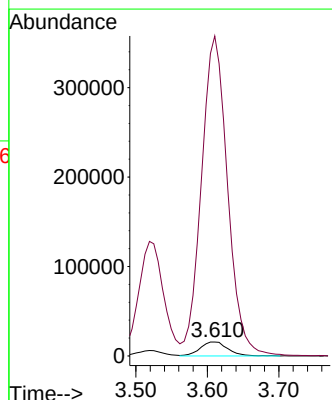
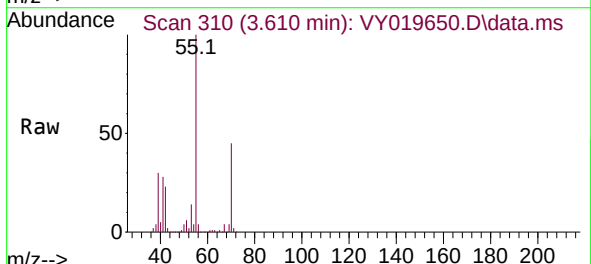
Instrument :
MSVOA_Y
ClientSampleId :

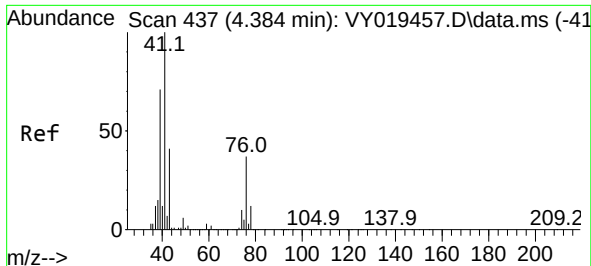
Tgt Ion: 59 Resp: 716
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: 943.765 ug/l
RT: 3.610 min Scan# 310
Delta R.T. -0.043 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

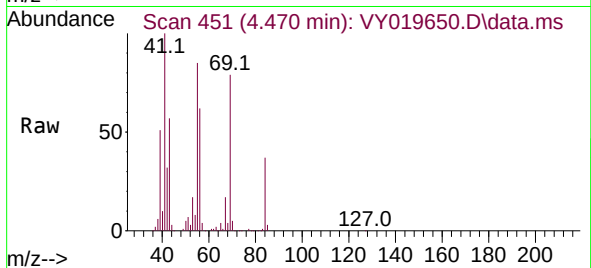
Tgt Ion: 56 Resp: 41478
Ion Ratio Lower Upper
56 100
55 2197.6 55.7 83.5#



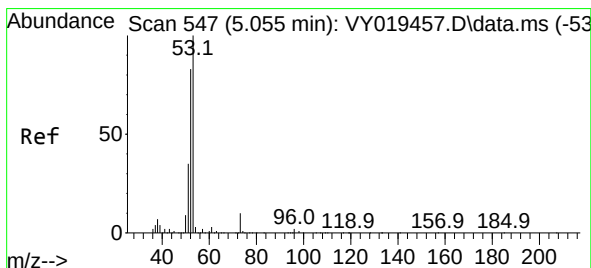
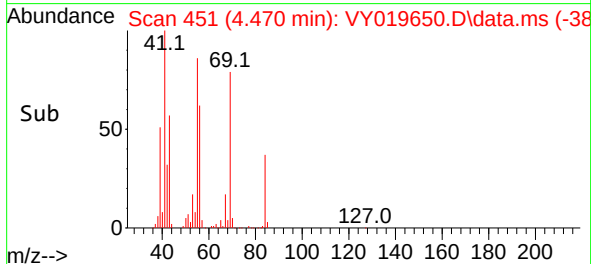
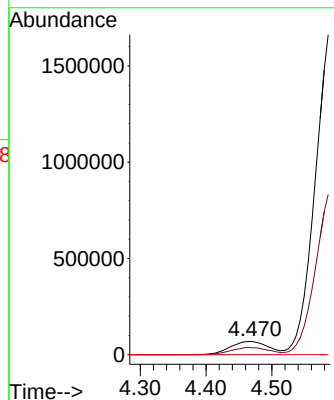


#14
Allyl chloride
Concen: 135.873 ug/l
RT: 4.470 min Scan# 41
Delta R.T. 0.086 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Instrument :
MSVOA_Y
ClientSampleId :

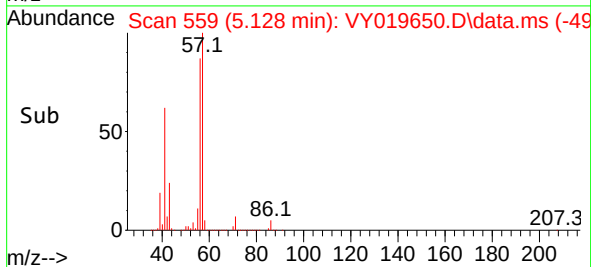
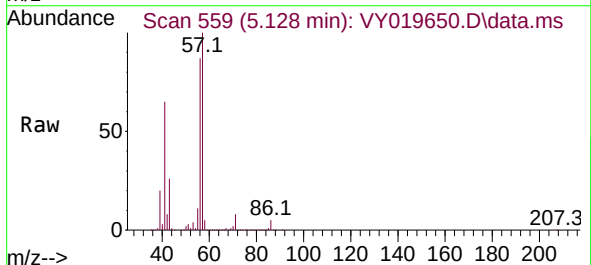
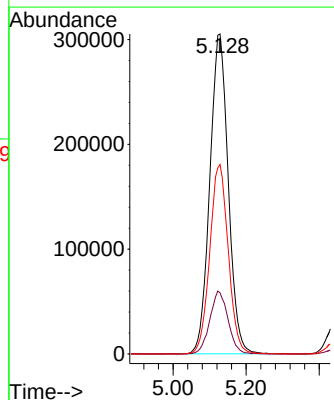


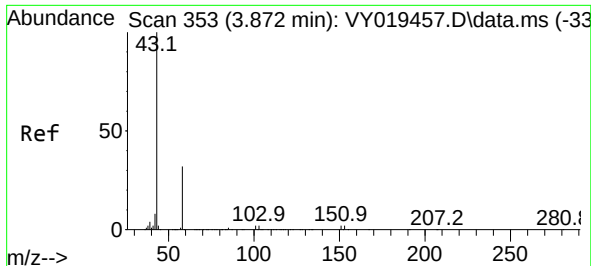
Tgt Ion: 41 Resp: 275525
Ion Ratio Lower Upper
41 100
39 53.7 58.3 87.5#
76 0.0 39.0 58.6#



#15
Acrylonitrile
Concen: 3876.322 ug/l
RT: 5.128 min Scan# 559
Delta R.T. 0.073 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 53 Resp: 1066377
Ion Ratio Lower Upper
53 100
52 19.5 64.7 97.1#
51 59.5 28.4 42.6#

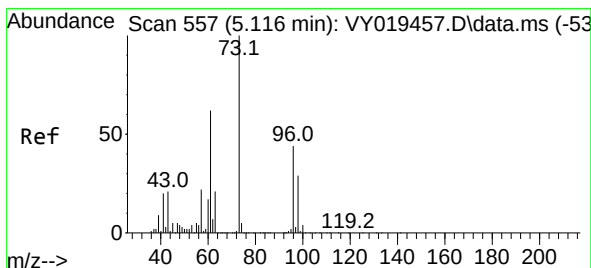
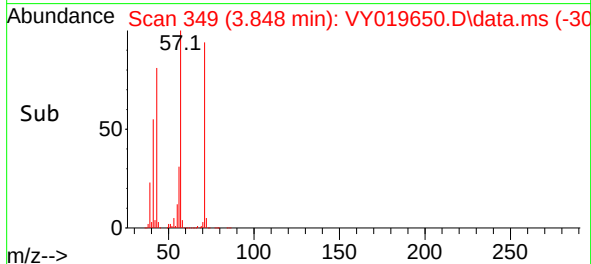
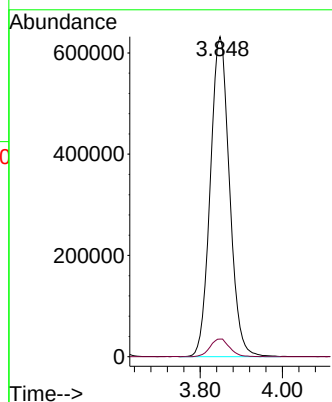
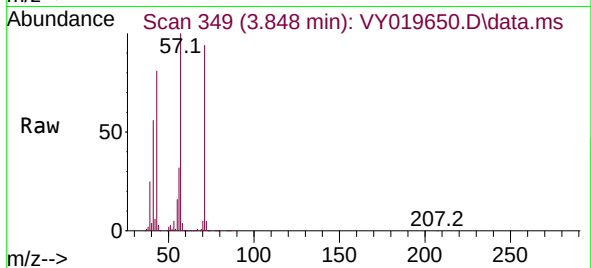




#16
Acetone
Concen: 7288.520 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.024 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

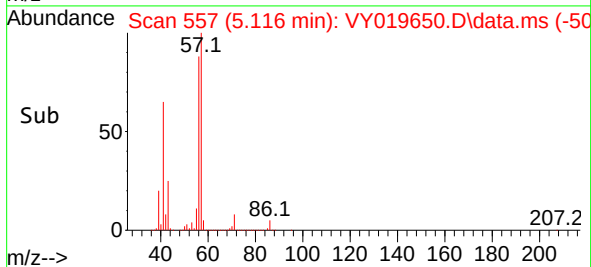
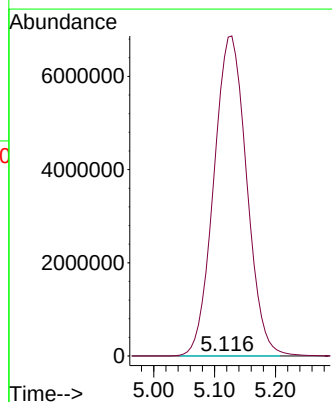
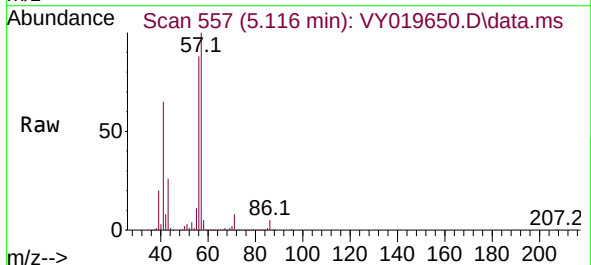
Instrument :
MSVOA_Y
ClientSampleId :

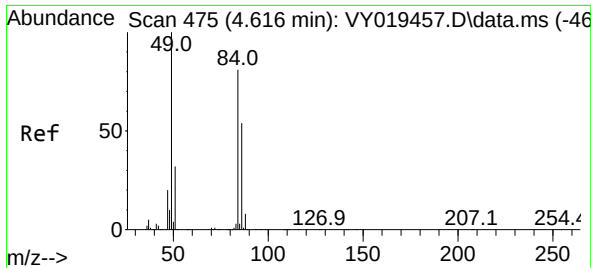
Tgt Ion: 43 Resp: 2049224
Ion Ratio Lower Upper
43 100
58 5.5 31.7 47.5#



#19
Methyl tert-butyl Ether
Concen: 1.819 ug/l
RT: 5.116 min Scan# 557
Delta R.T. 0.000 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

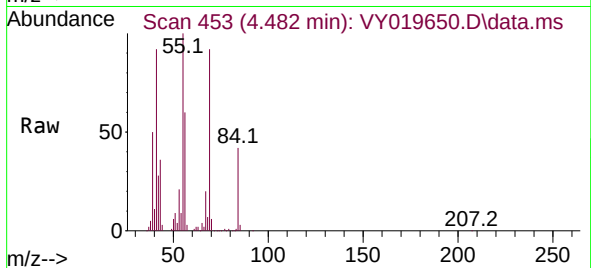
Tgt Ion: 73 Resp: 5824
Ion Ratio Lower Upper
73 100
57 356965.4 17.3 25.9#



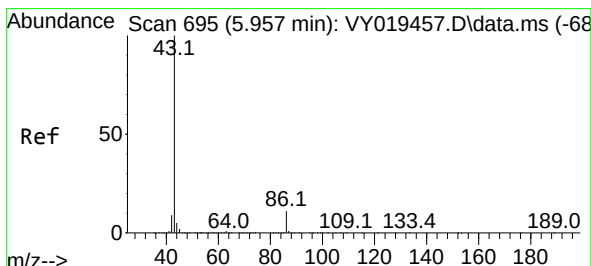
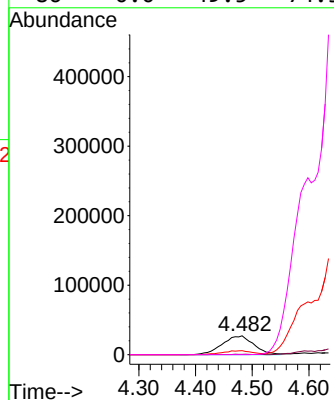
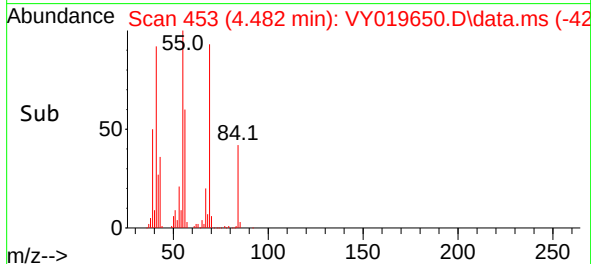


#20
Methylene Chloride
Concen: 81.254 ug/l
RT: 4.482 min Scan# 41
Delta R.T. -0.134 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Instrument :
MSVOA_Y
ClientSampleId :

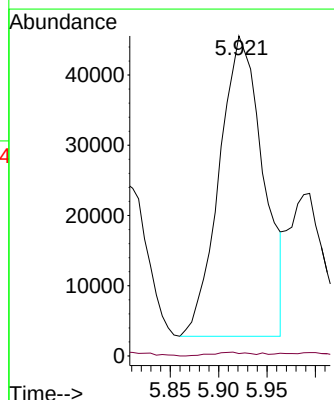
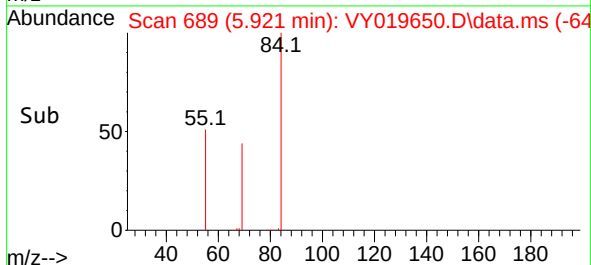
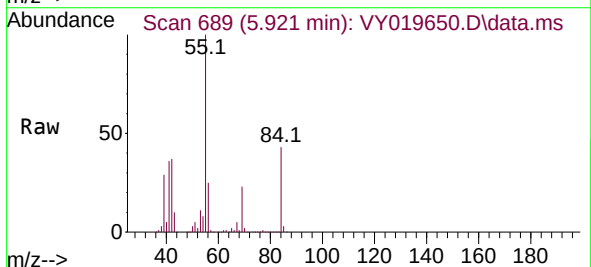


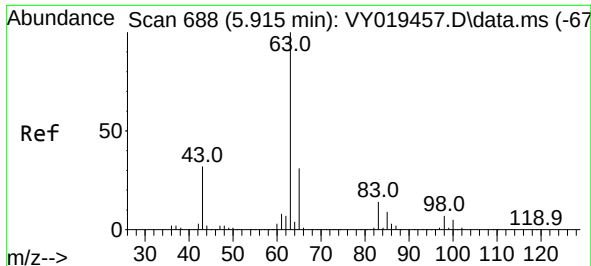
Tgt Ion: 84 Resp: 104185
Ion Ratio Lower Upper
84 100
49 2.1 84.4 126.6#
51 21.3 26.0 39.0#
86 0.0 49.5 74.3#



#23
Vinyl Acetate
Concen: 56.936 ug/l
RT: 5.921 min Scan# 689
Delta R.T. -0.036 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

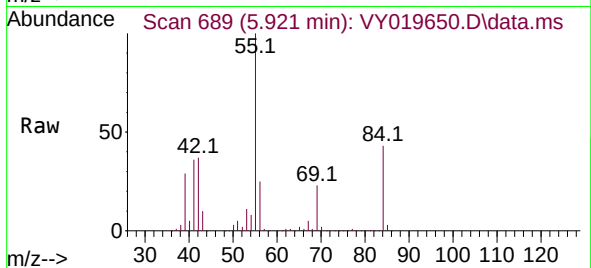
Tgt Ion: 43 Resp: 135423
Ion Ratio Lower Upper
43 100
86 0.8 10.6 16.0#



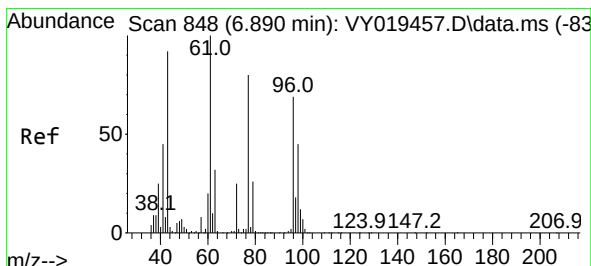
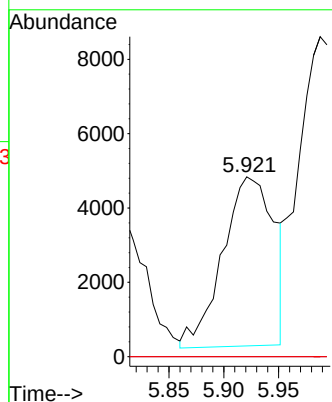
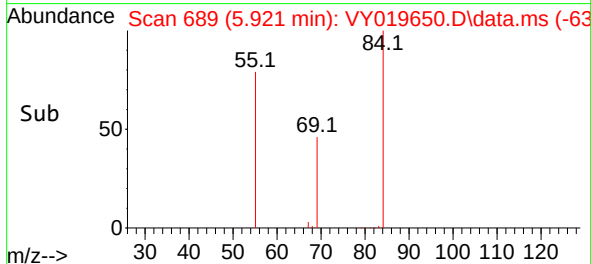


#24
1,1-Dichloroethane
Concen: 6.338 ug/l
RT: 5.921 min Scan# 61
Delta R.T. 0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Instrument :
MSVOA_Y
ClientSampleId :

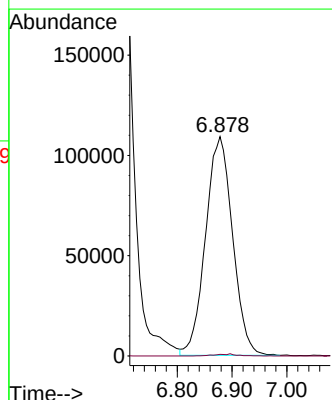
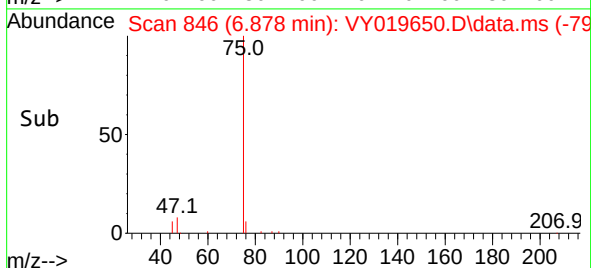
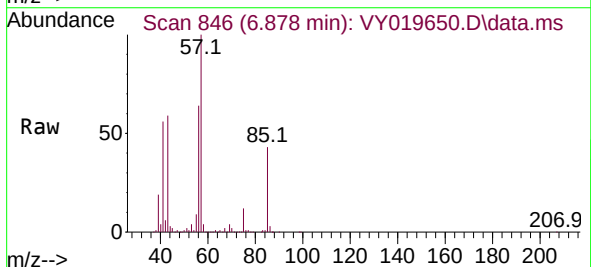


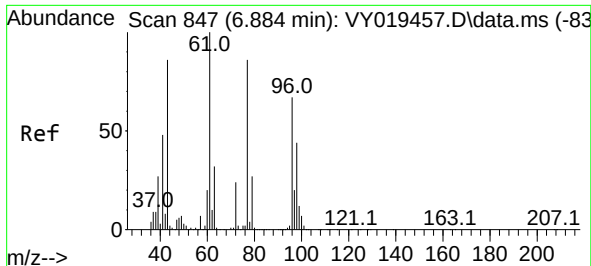
Tgt Ion: 63 Resp: 14810
Ion Ratio Lower Upper
63 100
98 0.0 4.0 12.2#
100 0.0 2.6 8.0#



#25
2-Butanone
Concen: 934.506 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 43 Resp: 373688
Ion Ratio Lower Upper
43 100
72 0.7 27.3 40.9#





#26

2,2-Dichloropropane

Concen: 44.538 ug/l

RT: 6.689 min Scan# 81

Delta R.T. -0.195 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

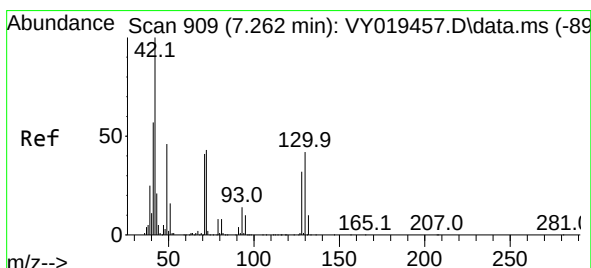
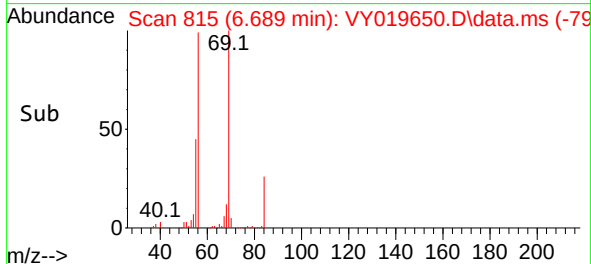
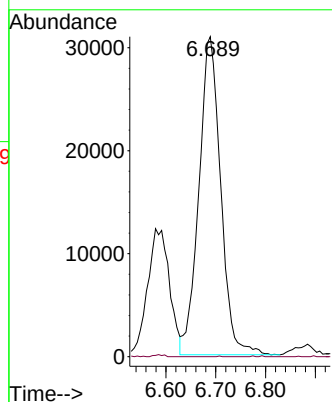
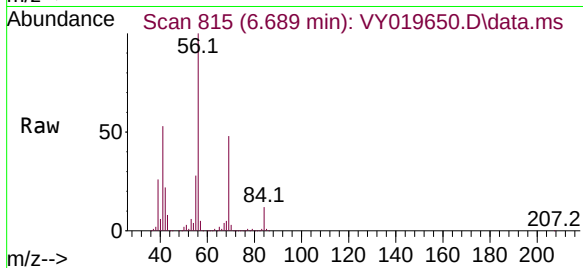
ClientSampleId :

Tgt Ion: 77 Resp: 93875

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#29

Tetrahydrofuran

Concen: 43.256 ug/l

RT: 7.256 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

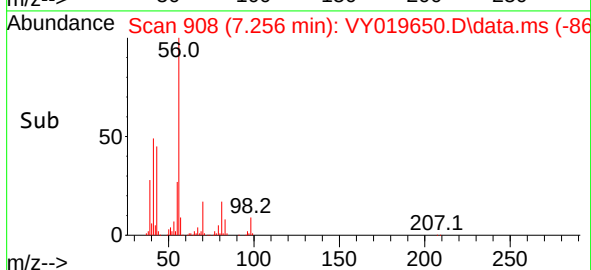
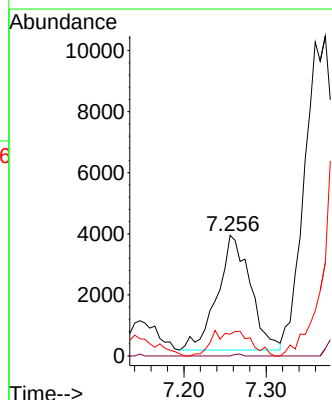
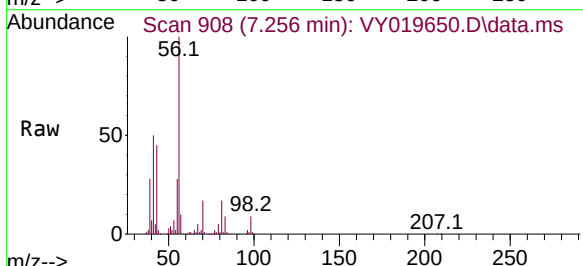
Tgt Ion: 42 Resp: 10517

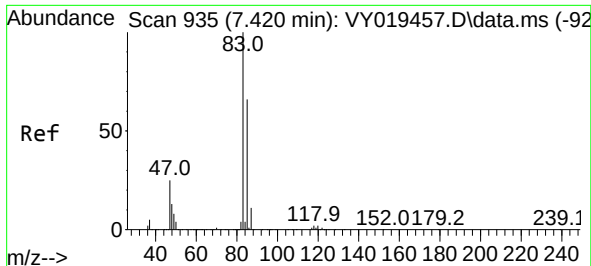
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#

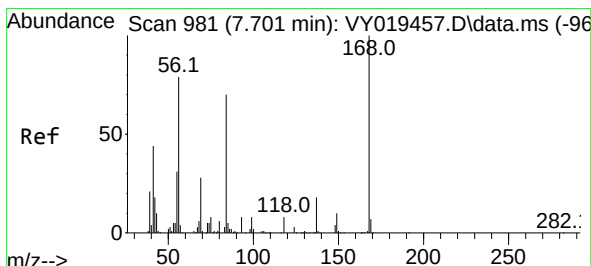
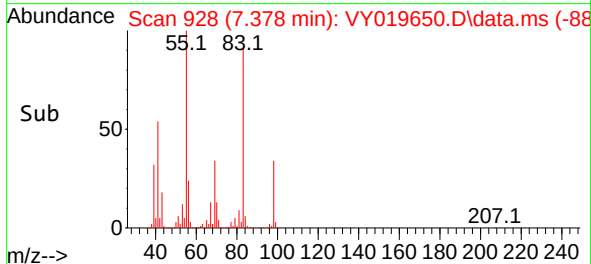
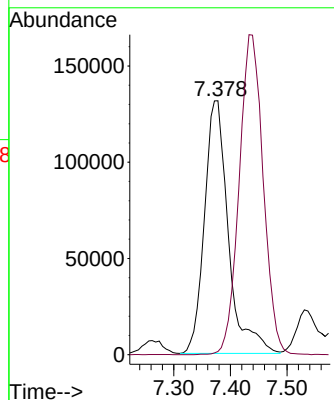
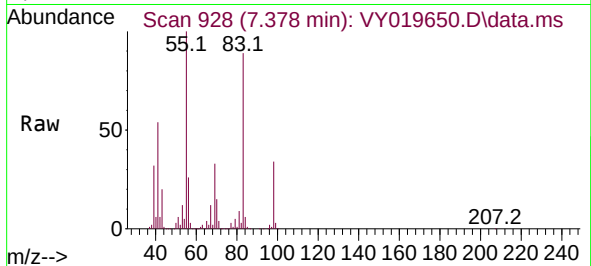




#30
Chloroform
Concen: 161.678 ug/l
RT: 7.378 min Scan# 91
Delta R.T. -0.042 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

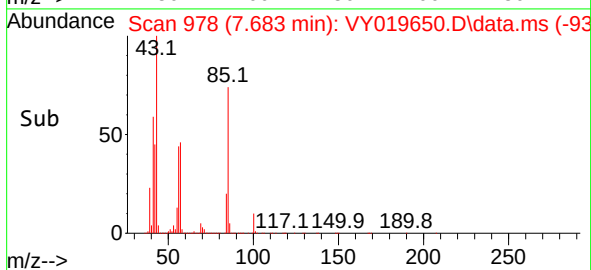
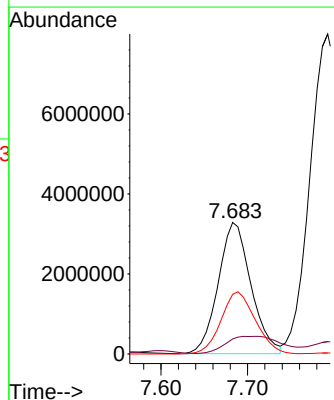
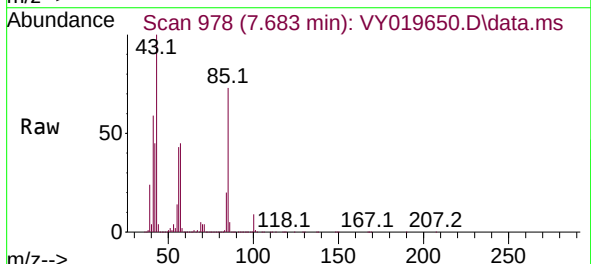
Instrument :
MSVOA_Y
ClientSampleId :

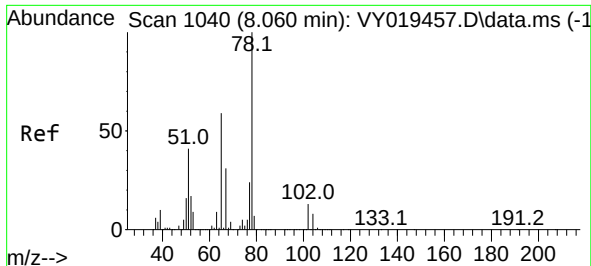
Tgt Ion: 83 Resp: 385663
Ion Ratio Lower Upper
83 100
85 1.3 52.2 78.4#



#31
Cyclohexane
Concen: 4080.032 ug/l
RT: 7.683 min Scan# 978
Delta R.T. -0.018 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 56 Resp: 8617480
Ion Ratio Lower Upper
56 100
69 10.4 28.7 43.1#
84 45.4 77.7 116.5#

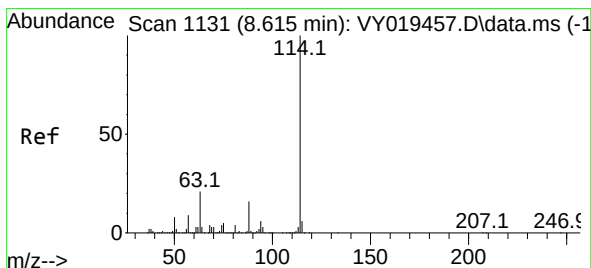
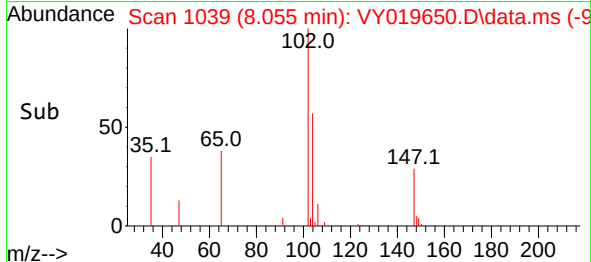
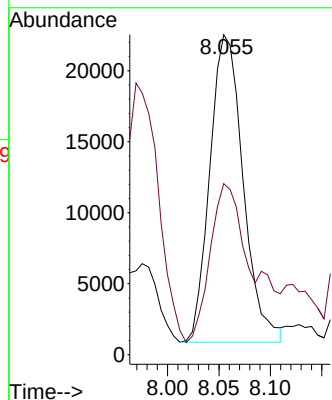
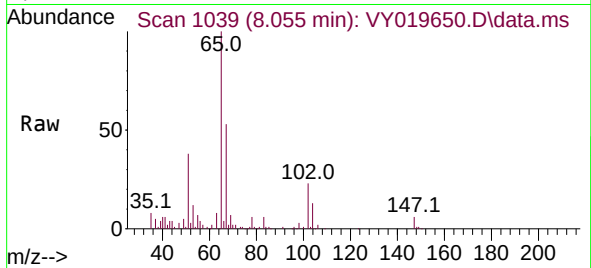




#33
 1,2-Dichloroethane-d4
 Concen: 41.315 ug/l
 RT: 8.055 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: VY019650.D
 Acq: 20 Sep 2024 16:56

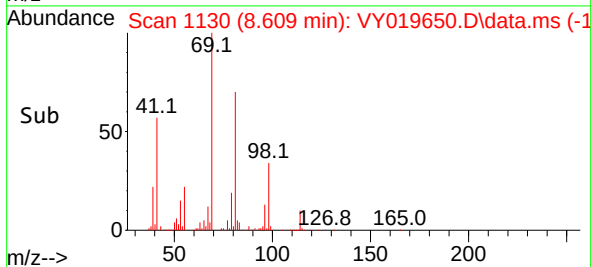
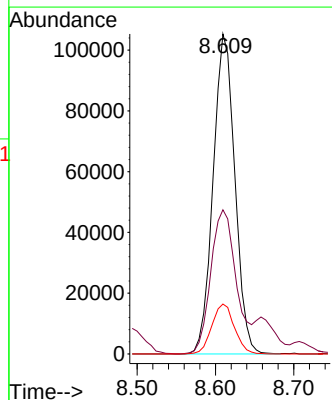
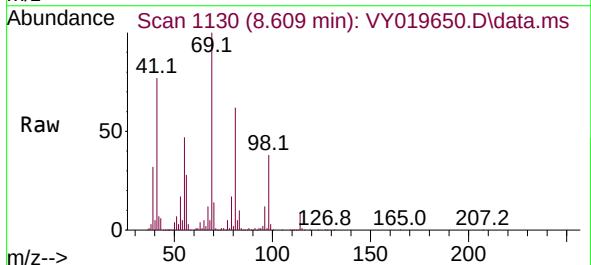
Instrument :
 MSVOA_Y
 ClientSampleId :

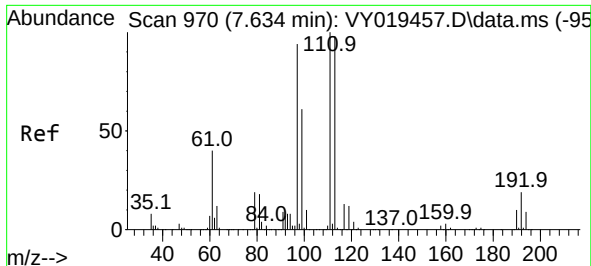
Tgt Ion: 65 Resp: 48759
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY019650.D
 Acq: 20 Sep 2024 16:56

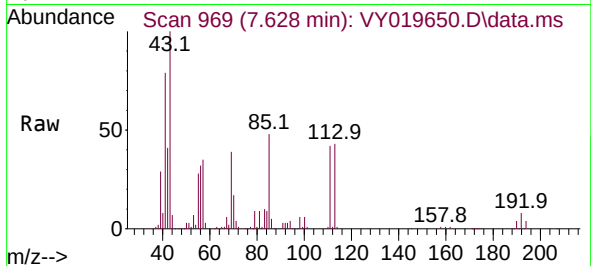
Tgt Ion: 114 Resp: 203411
 Ion Ratio Lower Upper
 114 100
 63 45.1 0.0 35.0#
 88 15.6 0.0 27.2



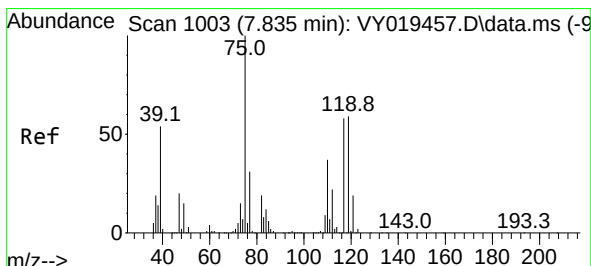
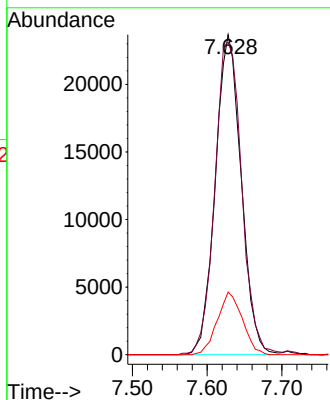
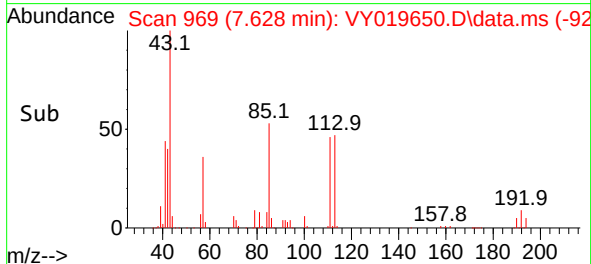


#35
 Dibromofluoromethane
 Concen: 49.340 ug/l
 RT: 7.628 min Scan# 910
 Delta R.T. -0.006 min
 Lab File: VY019650.D
 Acq: 20 Sep 2024 16:56

Instrument :
 MSVOA_Y
 ClientSampleId :

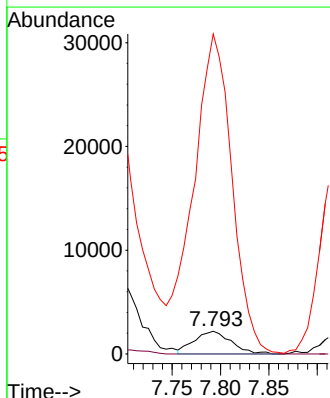
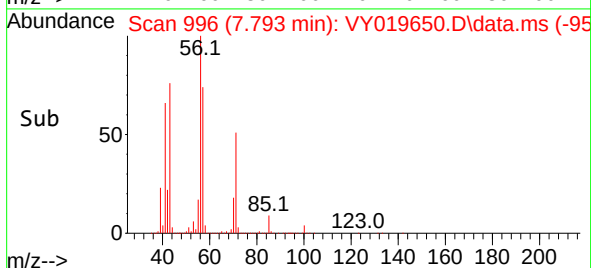
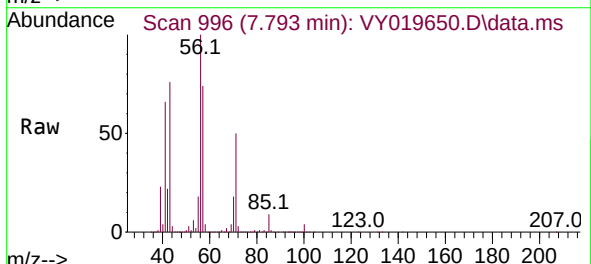


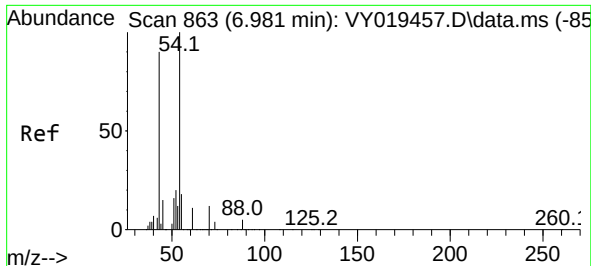
Tgt Ion:113 Resp: 56904
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 18.9 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 3.704 ug/l
 RT: 7.793 min Scan# 996
 Delta R.T. -0.042 min
 Lab File: VY019650.D
 Acq: 20 Sep 2024 16:56

Tgt Ion: 75 Resp: 5813
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.0 57.0#
 77 1472.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 464.741 ug/l

RT: 6.878 min Scan# 84

Delta R.T. -0.103 min

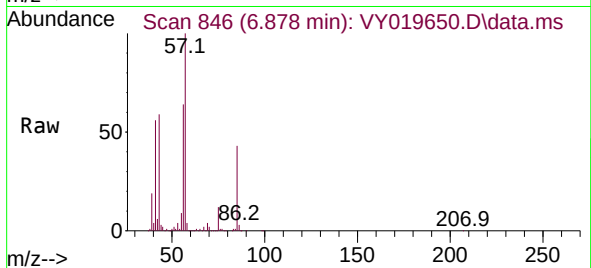
Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :



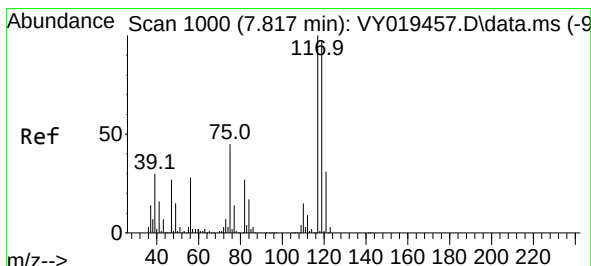
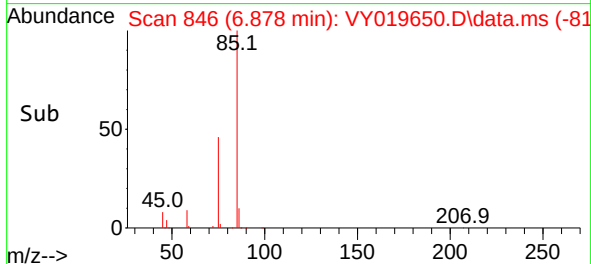
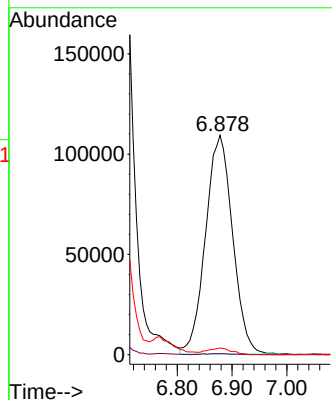
Tgt Ion: 43 Resp: 373688

Ion Ratio Lower Upper

43 100

61 0.5 12.6 19.0#

70 2.6 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 7.621 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

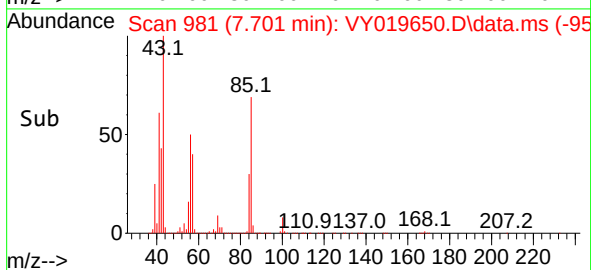
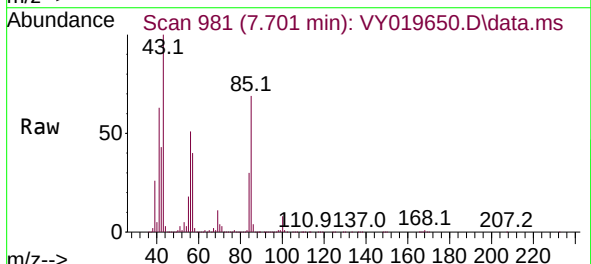
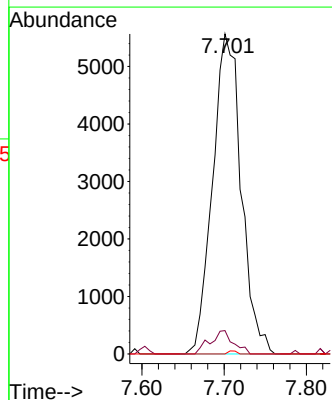
Tgt Ion: 117 Resp: 13487

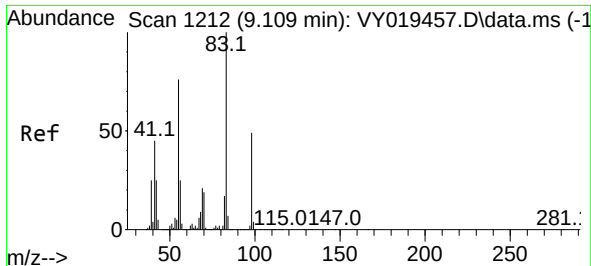
Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.6#

121 0.0 24.0 36.0#





#39

Methylcyclohexane

Concen: 4061.882 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

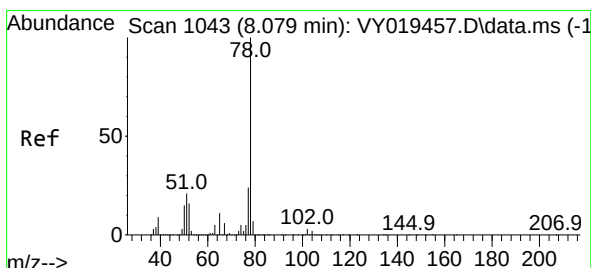
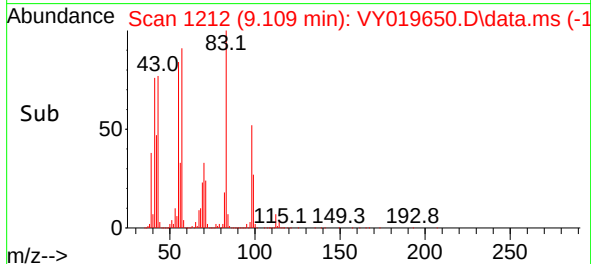
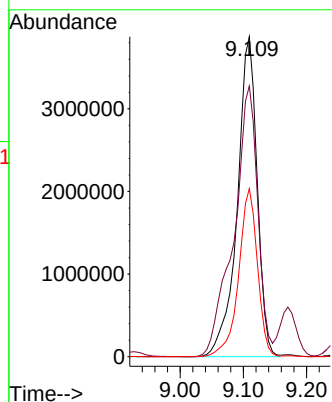
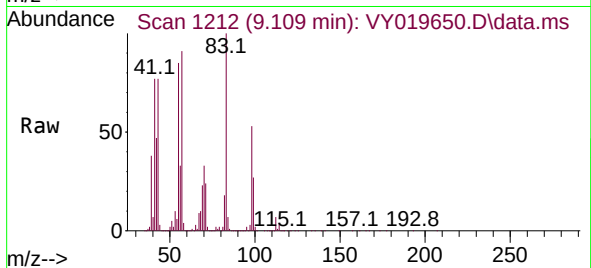
Tgt Ion: 83 Resp: 8482928

Ion Ratio Lower Upper

83 100

55 84.6 51.5 77.3#

98 52.5 40.5 60.7



#40

Benzene

Concen: 1.844 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY019650.D

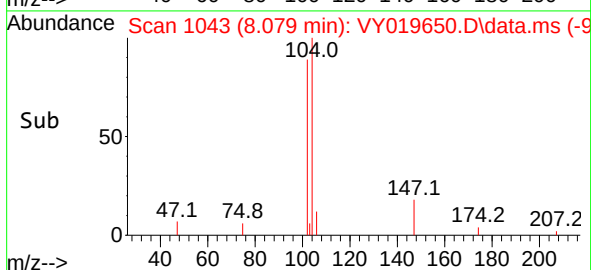
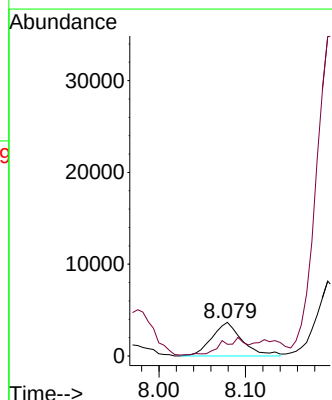
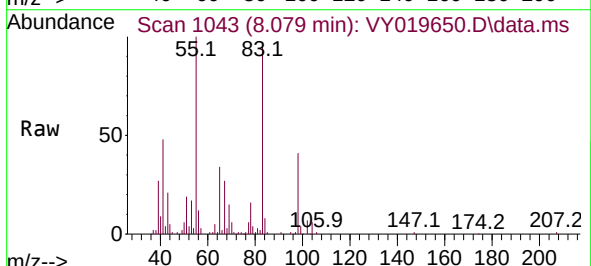
Acq: 20 Sep 2024 16:56

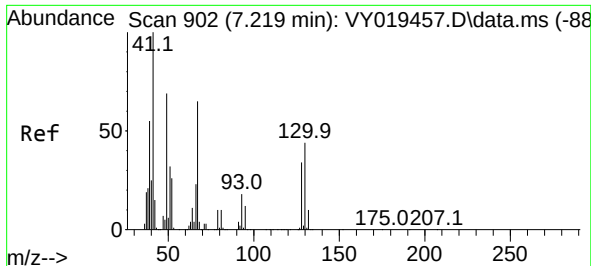
Tgt Ion: 78 Resp: 8912

Ion Ratio Lower Upper

78 100

77 31.8 19.5 29.3#

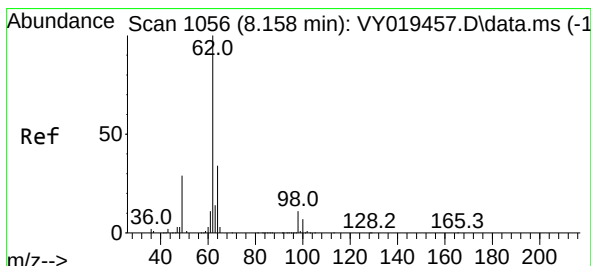
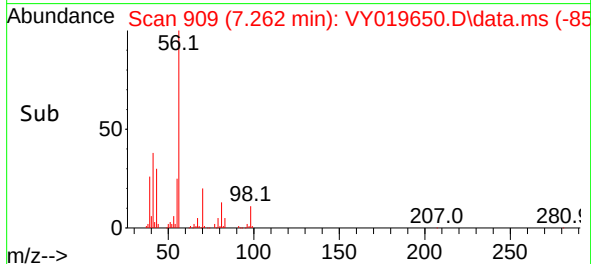
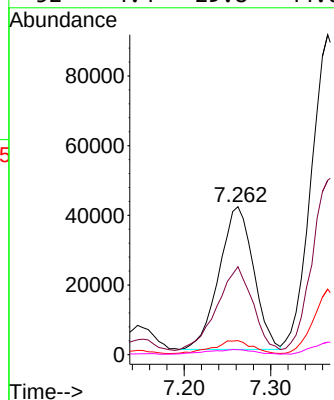
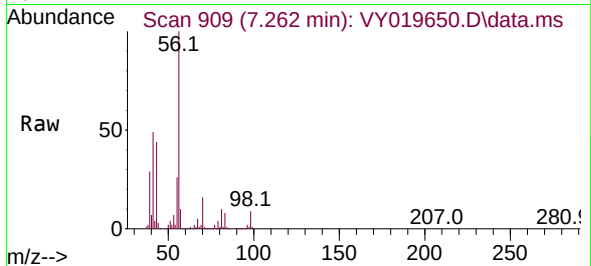




#41
Methacrylonitrile
Concen: 241.202 ug/l
RT: 7.262 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

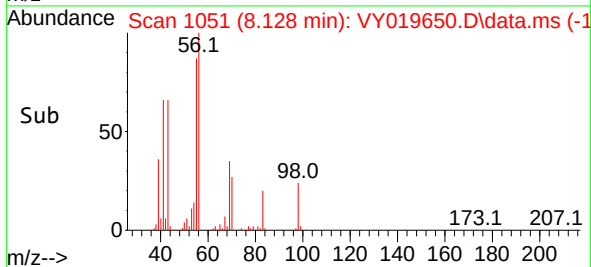
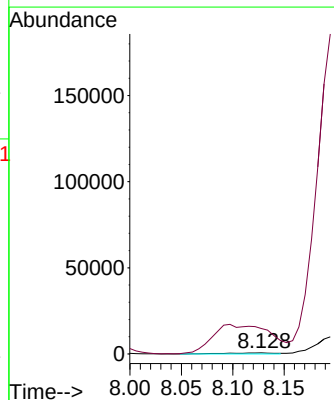
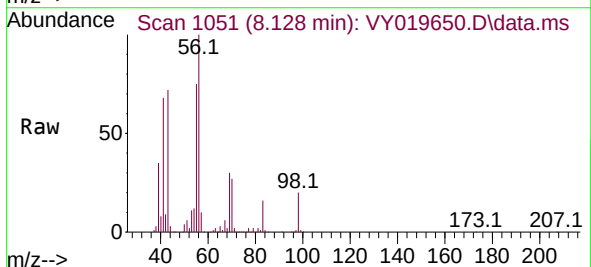
Instrument :
MSVOA_Y
ClientSampleId :

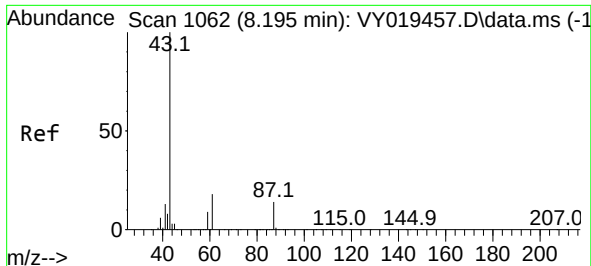
Tgt Ion: 41 Resp: 113055
Ion Ratio Lower Upper
41 100
39 60.3 48.0 72.0
67 0.0 75.1 112.7#
52 4.4 29.8 44.6#



#42
1,2-Dichloroethane
Concen: 1.518 ug/l
RT: 8.128 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

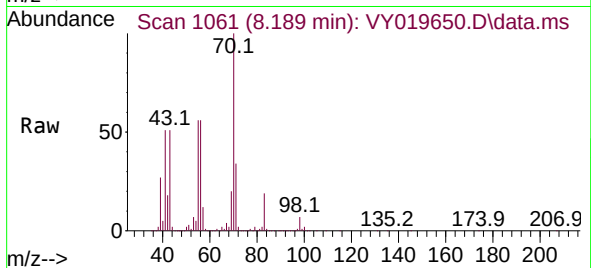
Tgt Ion: 62 Resp: 1975
Ion Ratio Lower Upper
62 100
98 0.0 0.0 22.0



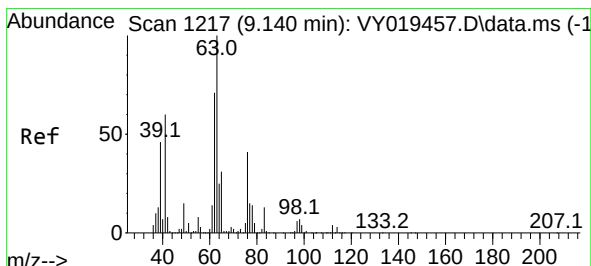
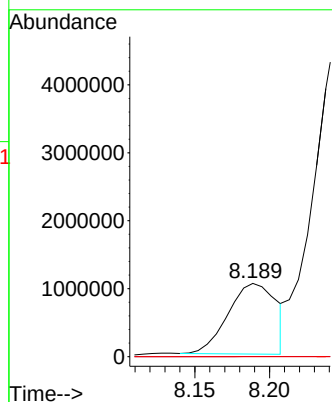
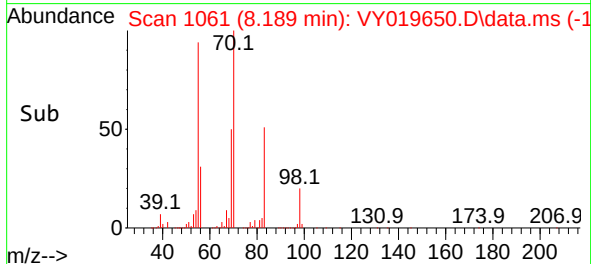


#43
Isopropyl Acetate
Concen: 1377.430 ug/l
RT: 8.189 min Scan# 1061
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Instrument :
MSVOA_Y
ClientSampleId :

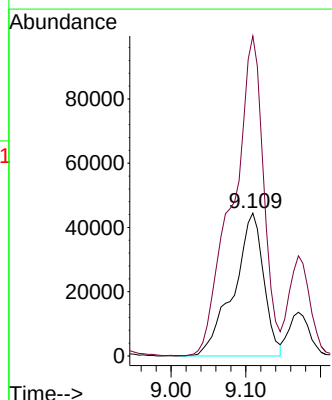
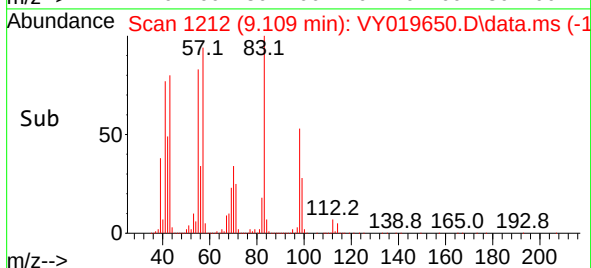
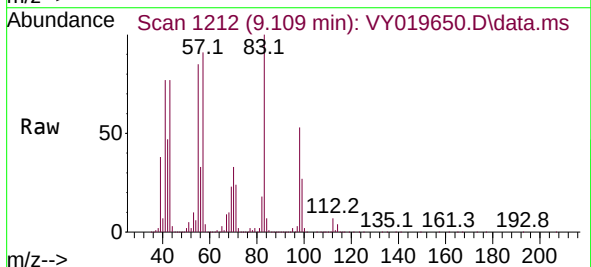


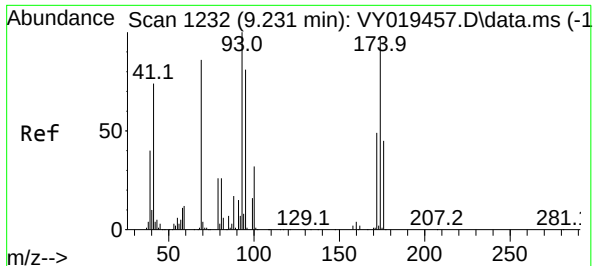
Tgt Ion: 43 Resp: 2326892
Ion Ratio Lower Upper
43 100
61 0.3 27.9 41.9#
87 0.0 13.1 19.7#



#45
1,2-Dichloropropane
Concen: 105.121 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.030 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 63 Resp: 124219
Ion Ratio Lower Upper
63 100
65 223.5 25.4 38.2#





#46

Dibromomethane

Concen: 2.156 ug/l

RT: 9.250 min Scan# 1

Delta R.T. 0.019 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

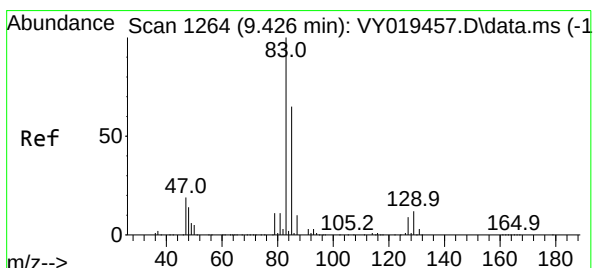
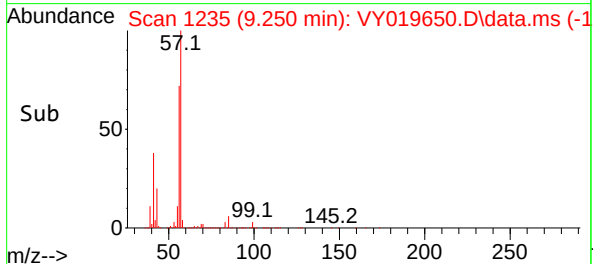
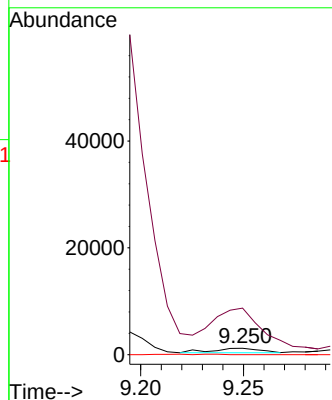
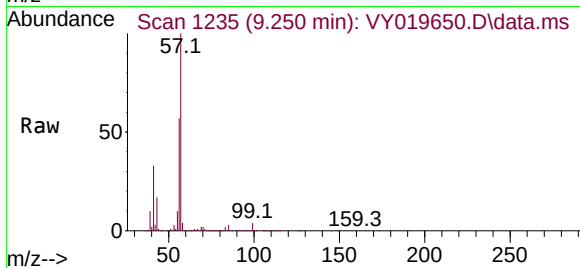
Tgt Ion: 93 Resp: 1393

Ion Ratio Lower Upper

93 100

95 931.4 66.2 99.4#

174 4.6 80.9 121.3#



#47

Bromodichloromethane

Concen: 242.604 ug/l

RT: 9.408 min Scan# 1261

Delta R.T. -0.018 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

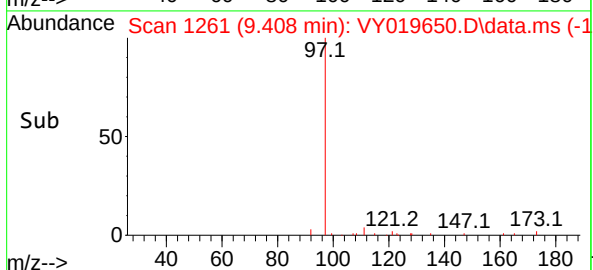
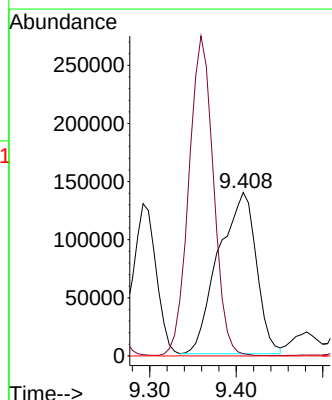
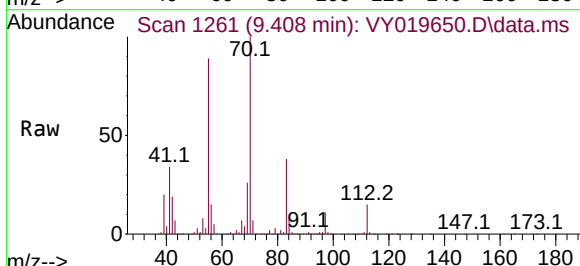
Tgt Ion: 83 Resp: 421416

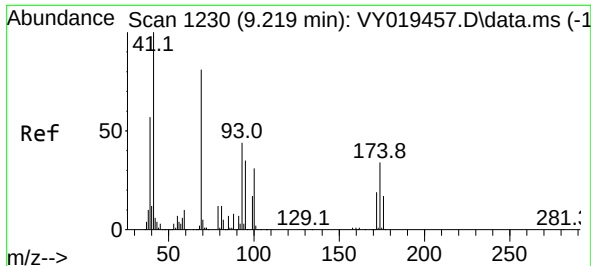
Ion Ratio Lower Upper

83 100

85 1.2 50.1 75.1#

127 0.0 7.4 11.0#





#48

Methyl methacrylate

Concen: 1548.360 ug/l

RT: 9.250 min Scan# 11

Delta R.T. 0.031 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

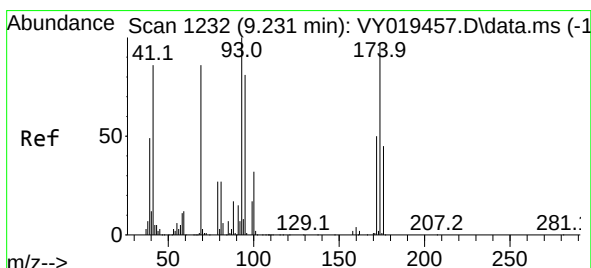
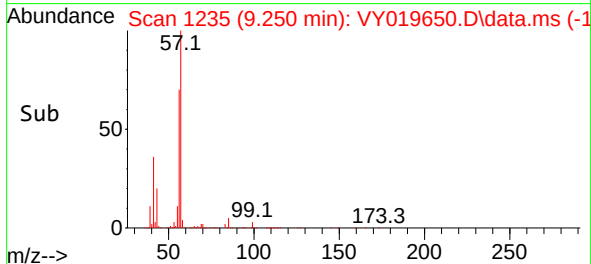
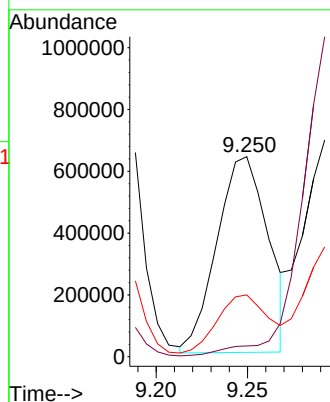
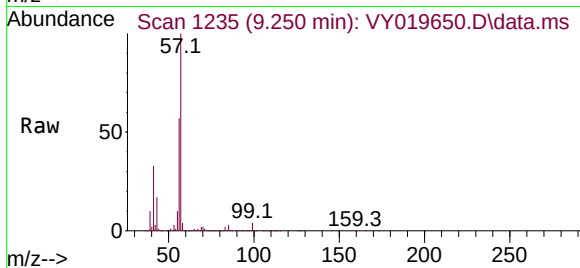
Tgt Ion: 41 Resp: 1235191

Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 29.6 43.6 65.4#



#49

1,4-Dioxane

Concen: 17.746 ug/l

RT: 9.164 min Scan# 1221

Delta R.T. -0.067 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

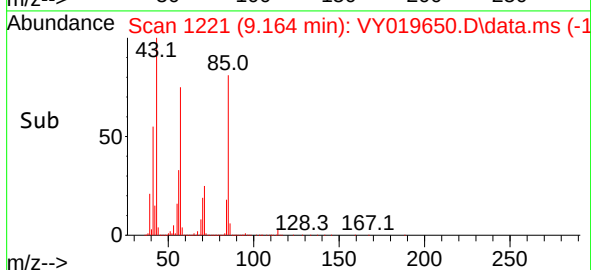
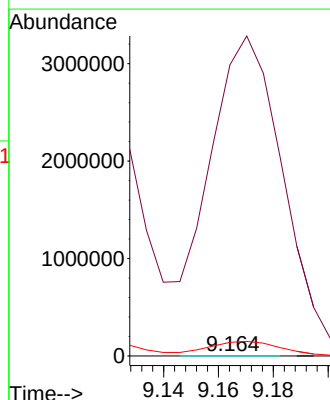
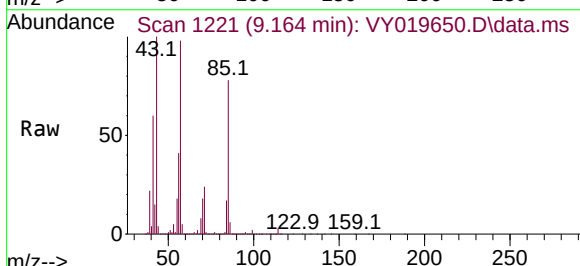
Tgt Ion: 88 Resp: 135

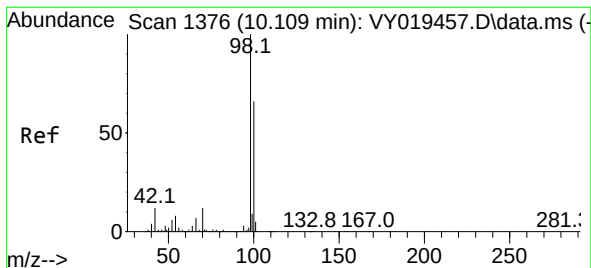
Ion Ratio Lower Upper

88 100

43 4615305.2 0.0 0.0#

58 202622.2 49.3 73.9#

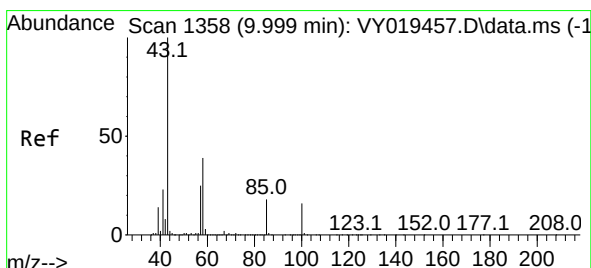
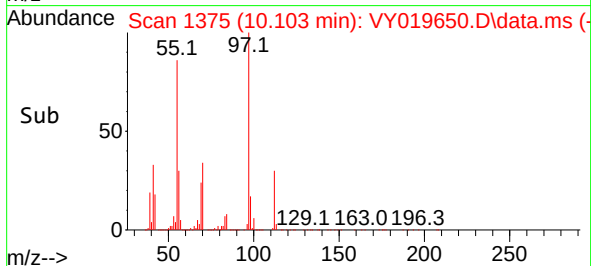
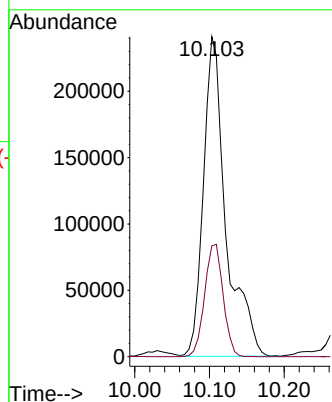
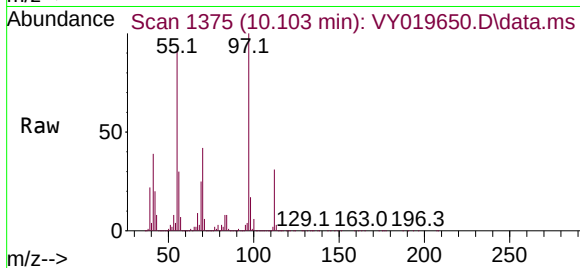




#50
Toluene-d8
Concen: 118.461 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

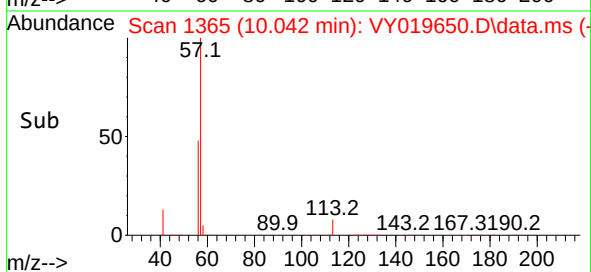
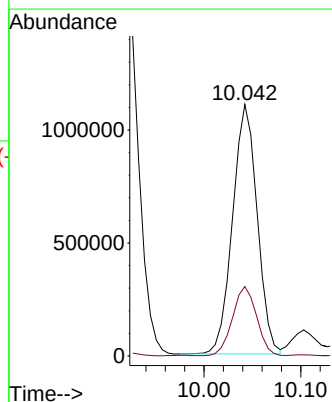
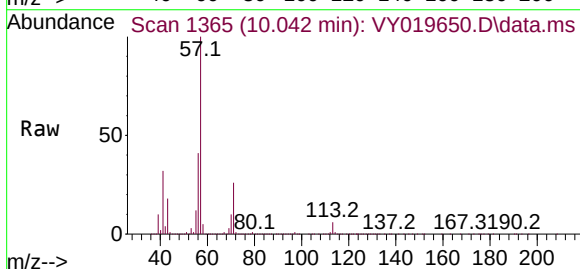
Instrument :
MSVOA_Y
ClientSampleId :

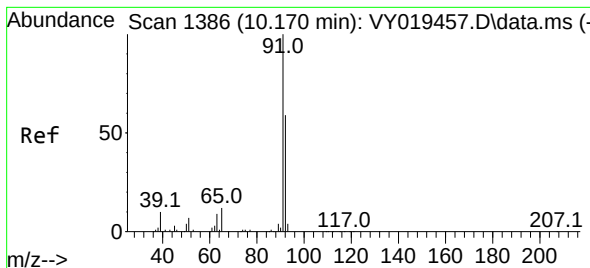
Tgt Ion: 98 Resp: 505329
Ion Ratio Lower Upper
98 100
100 28.8 52.0 78.0#



#51
4-Methyl-2-Pentanone
Concen: 2297.443 ug/l
RT: 10.042 min Scan# 1365
Delta R.T. 0.043 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 43 Resp: 1952538
Ion Ratio Lower Upper
43 100
58 27.2 35.7 53.5#





#52

Toluene

Concen: 3288.496 ug/l

RT: 10.170 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

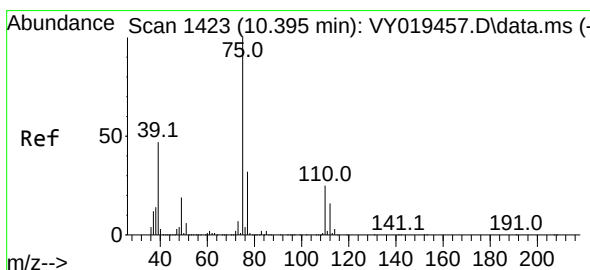
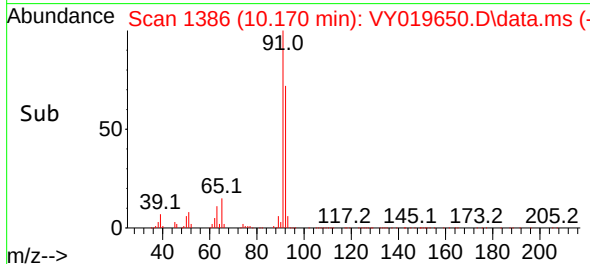
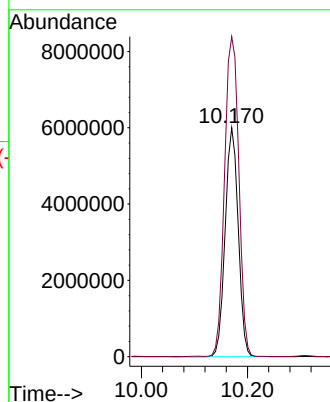
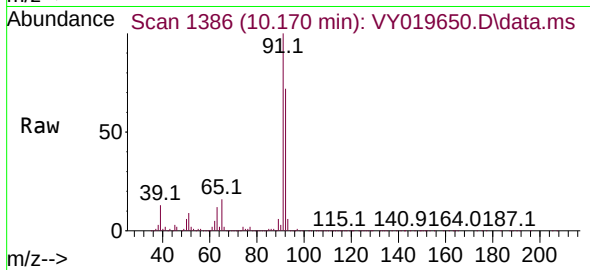
ClientSampleId :

Tgt Ion: 92 Resp:10222866

Ion Ratio Lower Upper

92 100

91 153.0 139.0 208.6



#53

t-1,3-Dichloropropene

Concen: 2.568 ug/l

RT: 10.304 min Scan# 1408

Delta R.T. -0.091 min

Lab File: VY019650.D

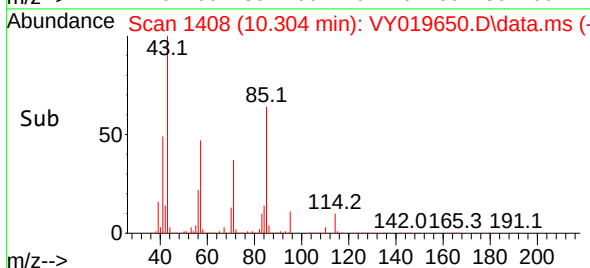
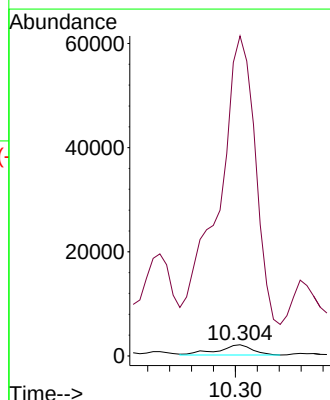
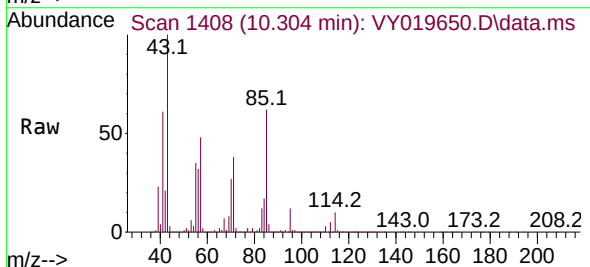
Acq: 20 Sep 2024 16:56

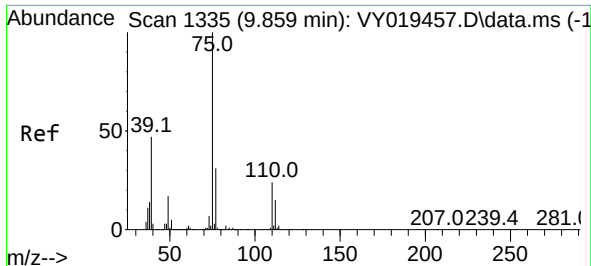
Tgt Ion: 75 Resp: 4252

Ion Ratio Lower Upper

75 100

77 2819.1 24.1 36.1#

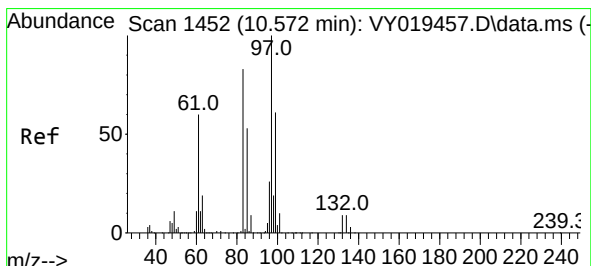
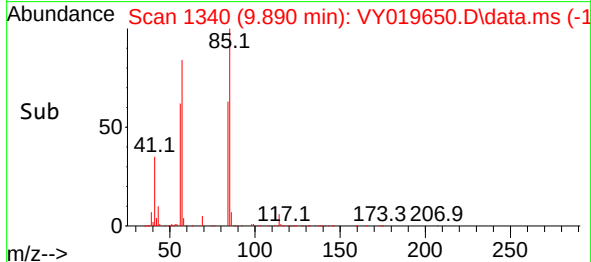
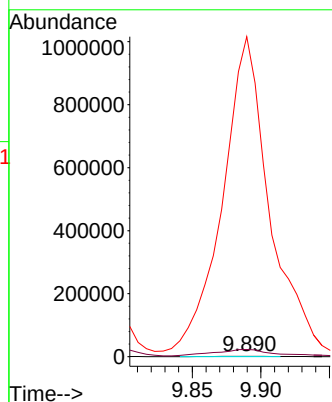
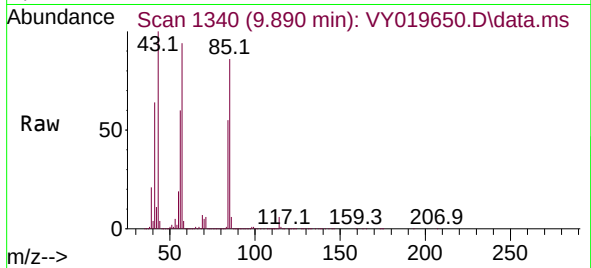




#54
cis-1,3-Dichloropropene
Concen: 1.362 ug/l
RT: 9.890 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

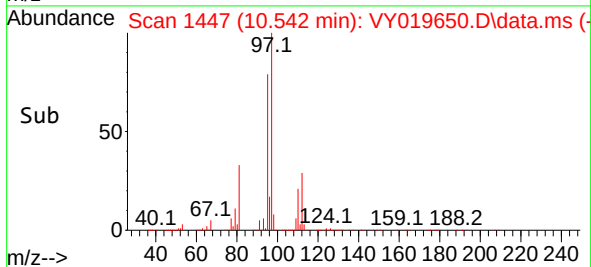
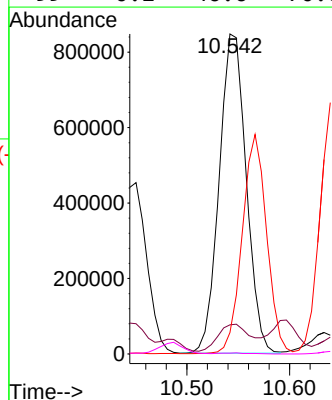
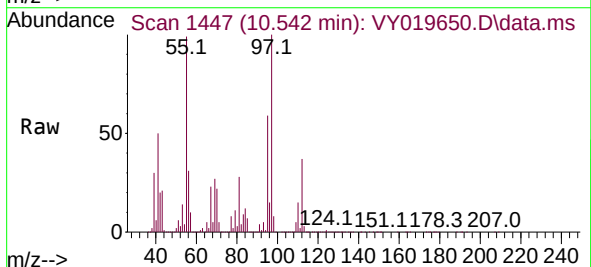
Instrument :
MSVOA_Y
ClientSampleId :

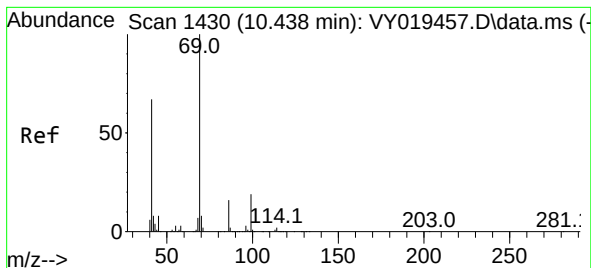
Tgt Ion: 75 Resp: 2627
Ion Ratio Lower Upper
75 100
77 1723.2 25.4 38.0#
39 88272.8 29.8 44.6#



#55
1,1,2-Trichloroethane
Concen: 1730.495 ug/l
RT: 10.542 min Scan# 1447
Delta R.T. -0.030 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 97 Resp: 1544267
Ion Ratio Lower Upper
97 100
83 5.8 67.5 101.3#
85 6.6 42.9 64.3#
99 0.2 46.6 70.0#





#56

Ethyl methacrylate

Concen: 129.387 ug/l

RT: 10.451 min Scan# 1430

Delta R.T. 0.012 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

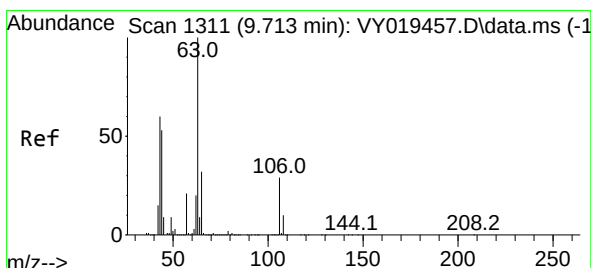
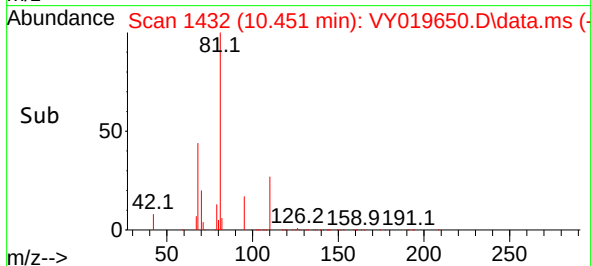
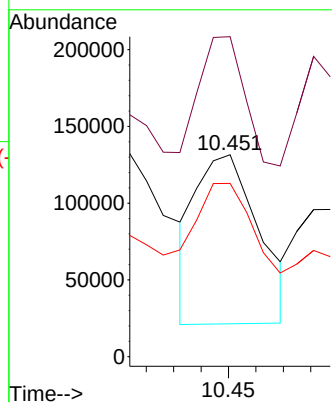
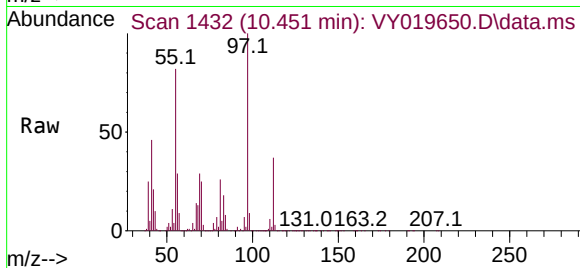
Tgt Ion: 69 Resp: 175395

Ion Ratio Lower Upper

69 100

41 134.9 42.3 63.5#

39 45.7 22.9 34.3#



#58

2-Chloroethyl Vinyl ether

Concen: 121.147 ug/l

RT: 9.682 min Scan# 1306

Delta R.T. -0.030 min

Lab File: VY019650.D

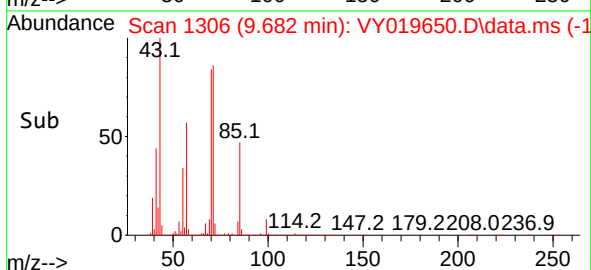
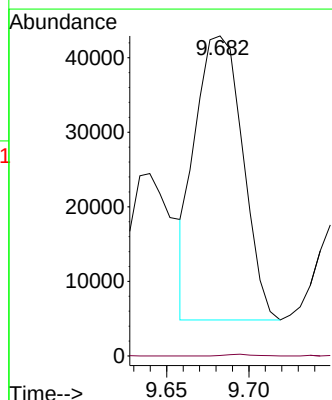
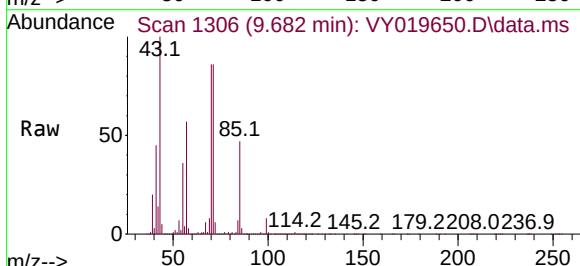
Acq: 20 Sep 2024 16:56

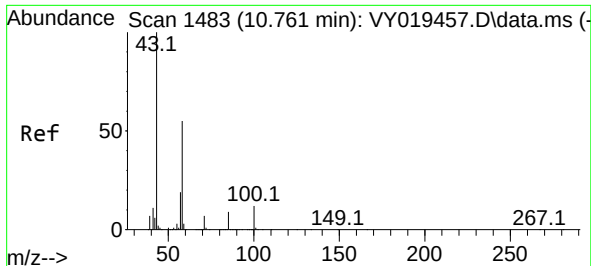
Tgt Ion: 63 Resp: 76222

Ion Ratio Lower Upper

63 100

106 0.3 23.7 35.5#

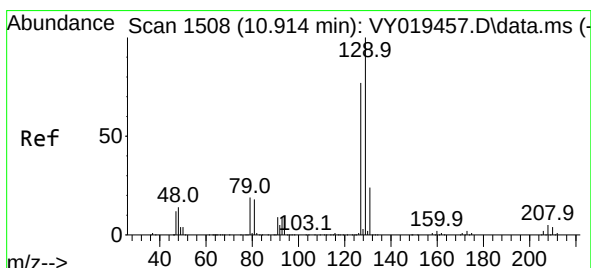
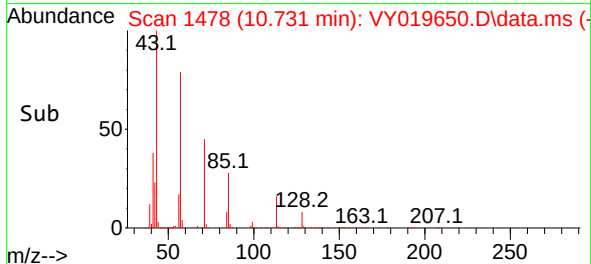
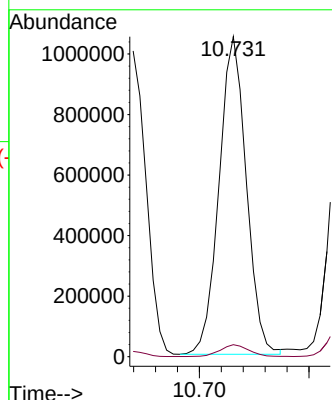
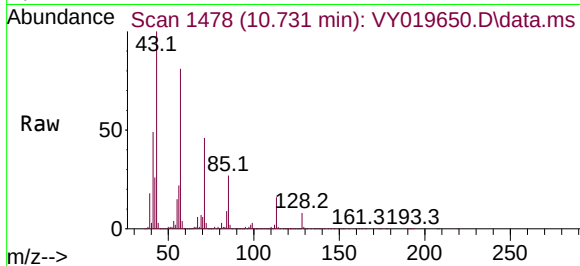




#59
2-Hexanone
Concen: 2909.413 ug/l
RT: 10.731 min Scan# 1483
Delta R.T. -0.030 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

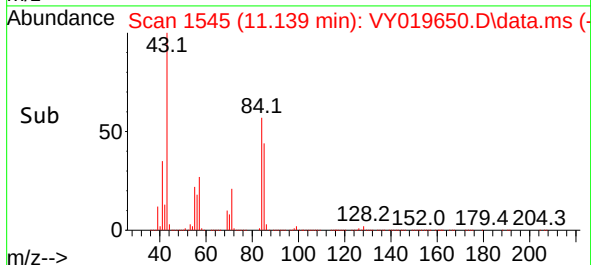
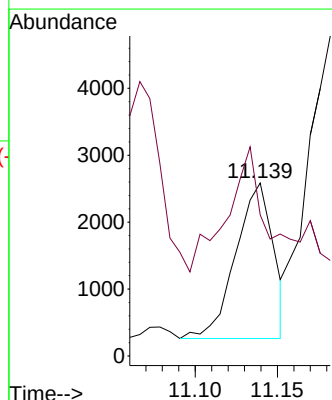
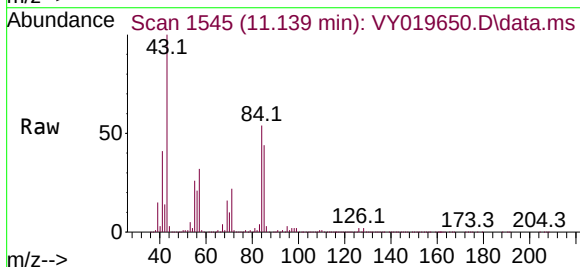
Instrument :
MSVOA_Y
ClientSampleId :

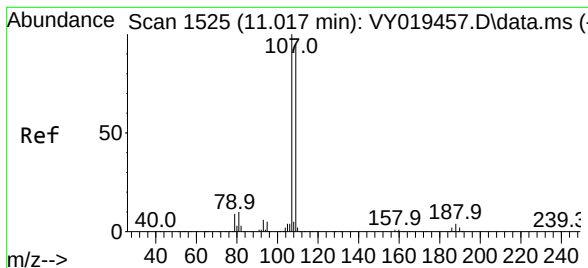
Tgt Ion: 43 Resp: 1812770
Ion Ratio Lower Upper
43 100
58 4.0 31.4 94.0#



#60
Dibromochloromethane
Concen: 3.126 ug/l
RT: 11.139 min Scan# 1545
Delta R.T. 0.226 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion:129 Resp: 3690
Ion Ratio Lower Upper
129 100
127 81.1 39.0 117.0

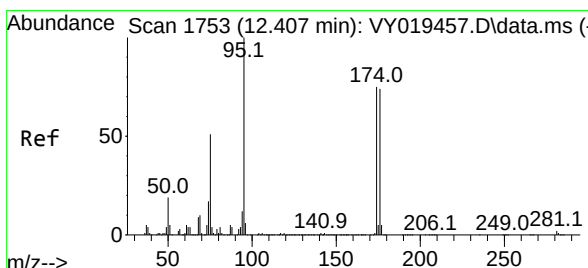
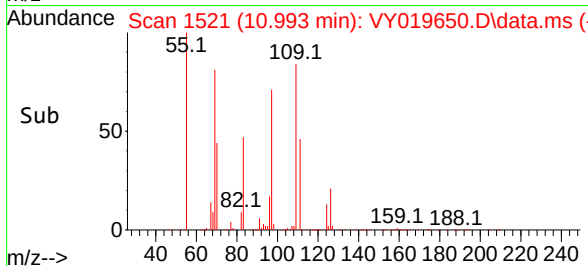
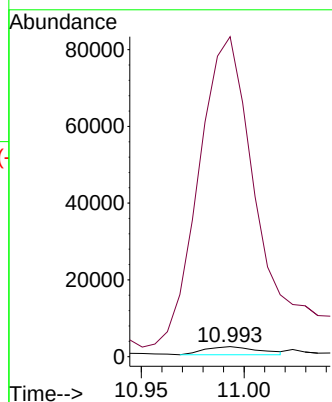
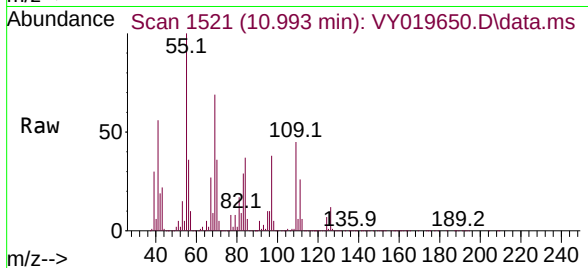




#61
1,2-Dibromoethane
Concen: 4.725 ug/l
RT: 10.993 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

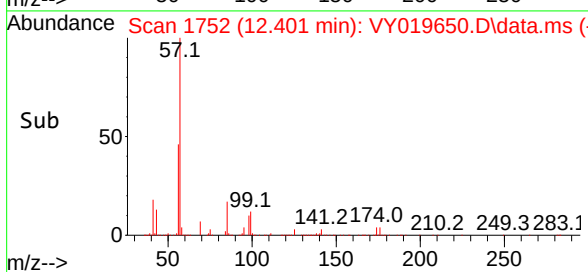
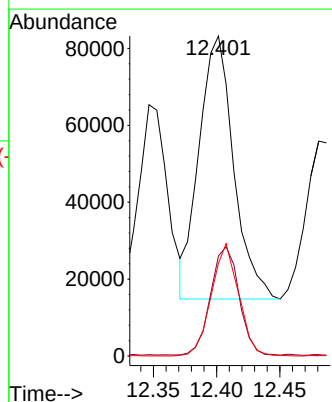
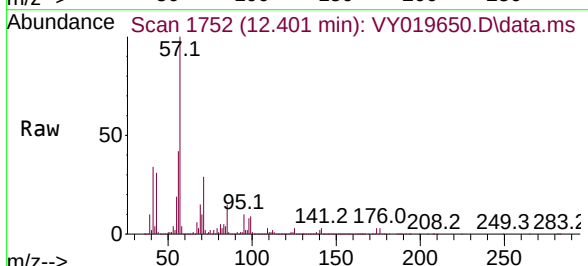
Instrument :
MSVOA_Y
ClientSampleId :

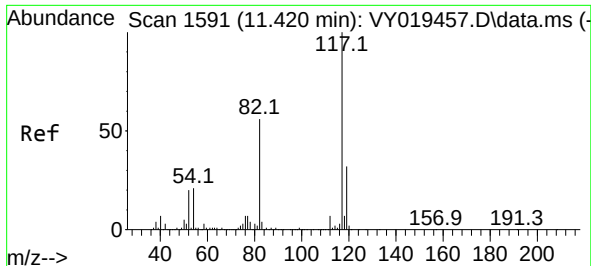
Tgt Ion:107 Resp: 3929
Ion Ratio Lower Upper
107 100
109 4175.5 75.9 113.9#



#62
4-Bromofluorobenzene
Concen: 79.333 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 95 Resp: 130125
Ion Ratio Lower Upper
95 100
174 33.8 0.0 175.6
176 33.7 0.0 171.4

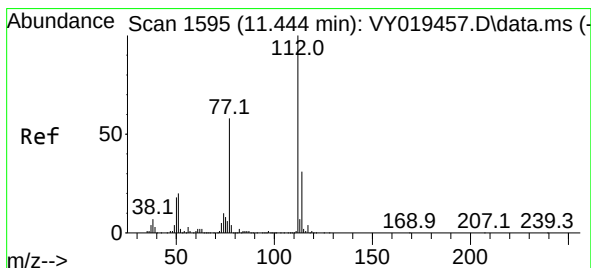
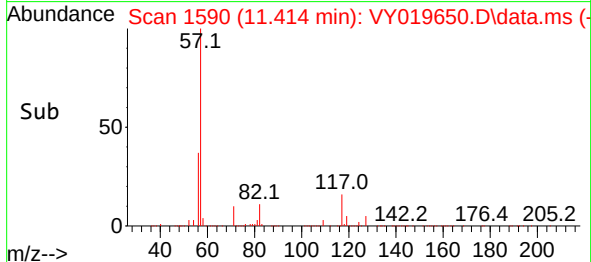
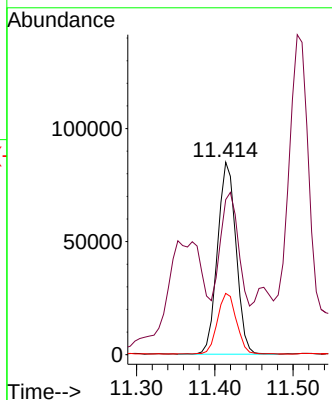
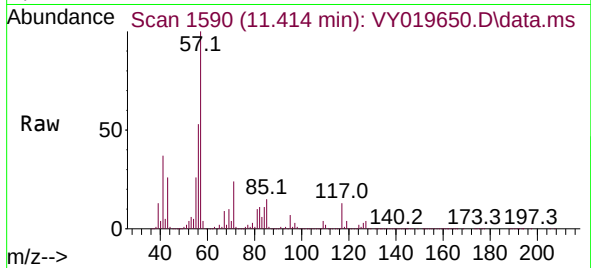




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

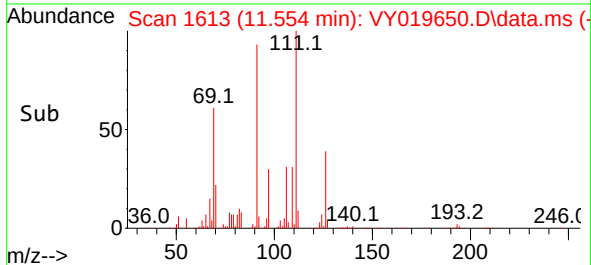
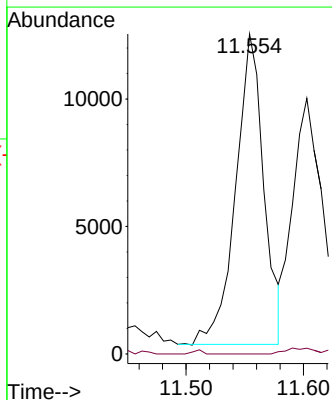
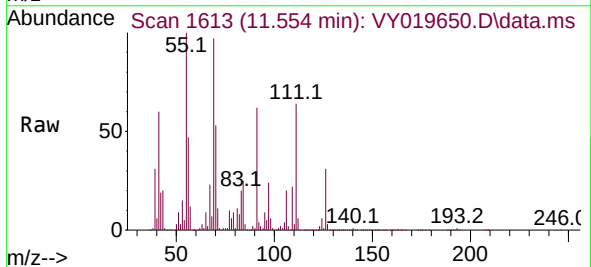
Instrument :
MSVOA_Y
ClientSampleId :

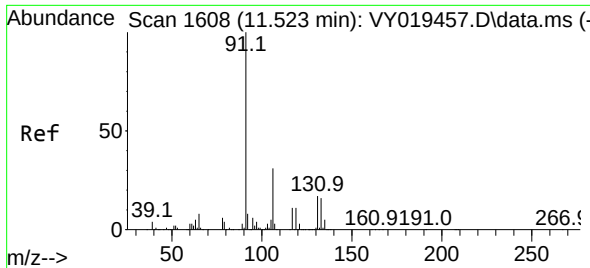
Tgt Ion:117 Resp: 139573
Ion Ratio Lower Upper
117 100
82 49.7 42.4 63.6
119 31.6 25.9 38.9



#65
Chlorobenzene
Concen: 7.393 ug/l
RT: 11.554 min Scan# 1613
Delta R.T. 0.110 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion:112 Resp: 20297
Ion Ratio Lower Upper
112 100
114 0.0 26.4 39.6#

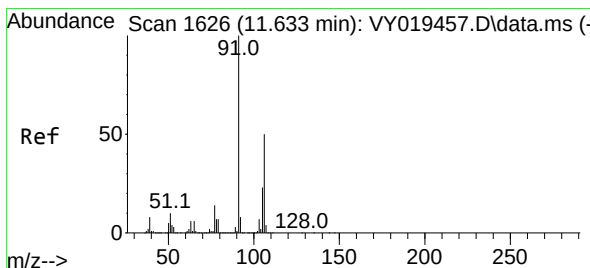
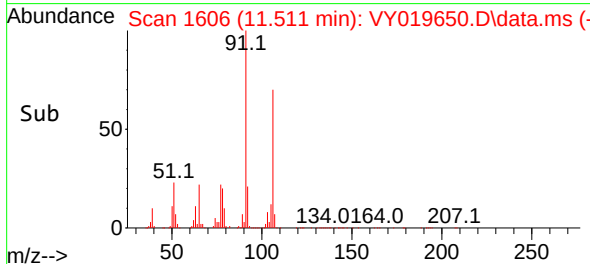
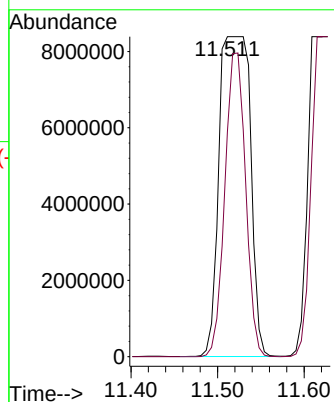
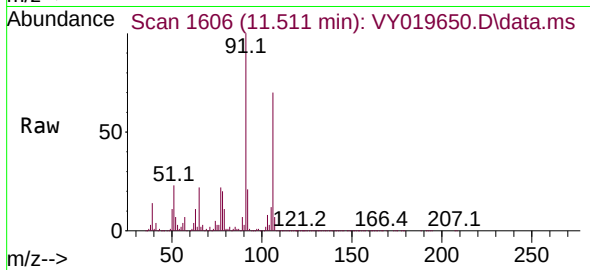




#67
Ethyl Benzene
Concen: 4310.513 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.012 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

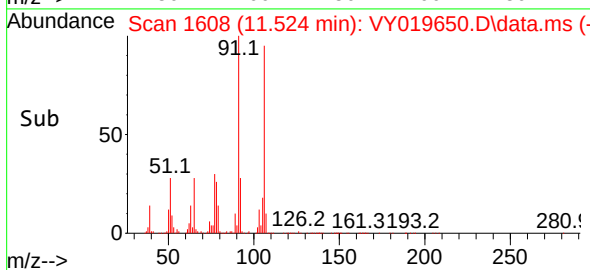
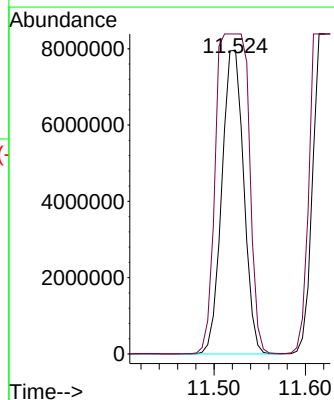
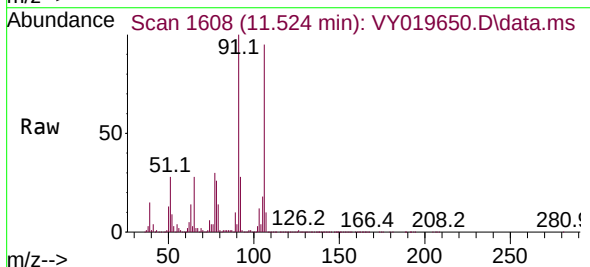
Instrument :
MSVOA_Y
ClientSampleId :

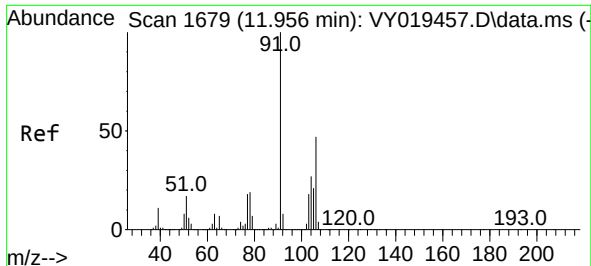
Tgt Ion: 91 Resp:21027845
Ion Ratio Lower Upper
91 100
106 70.3 24.5 36.7#



#68
m/p-Xylenes
Concen: 7179.995 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.109 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion:106 Resp:13244111
Ion Ratio Lower Upper
106 100
91 158.8 156.0 234.0

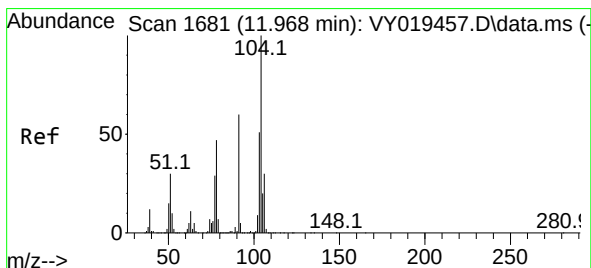
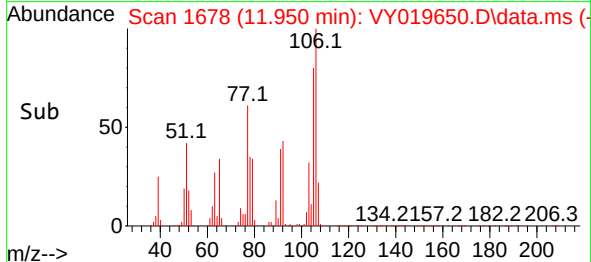
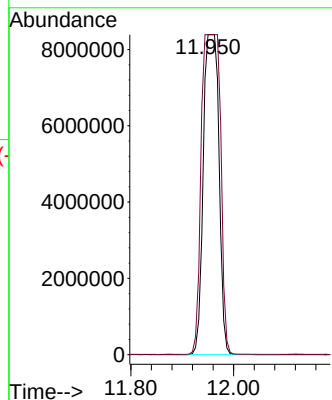
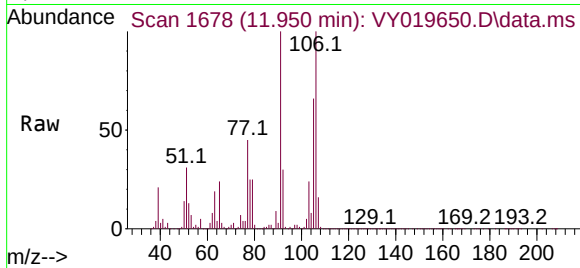




#69
o-Xylene
Concen: 9771.793 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

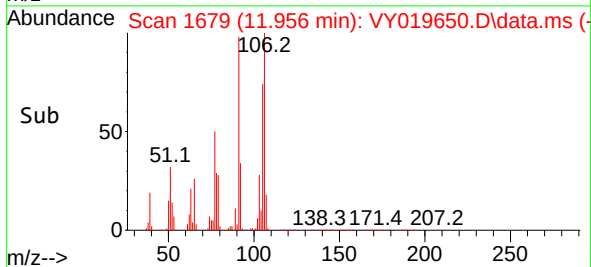
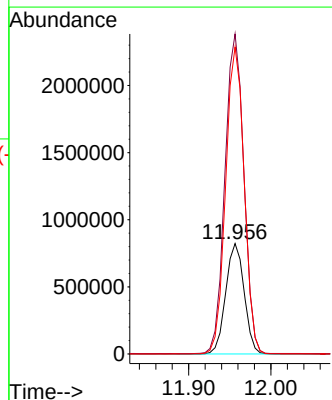
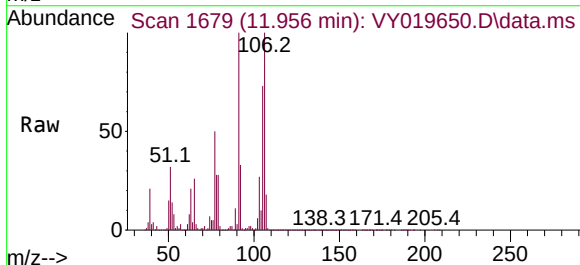
Instrument :
MSVOA_Y
ClientSampleId :

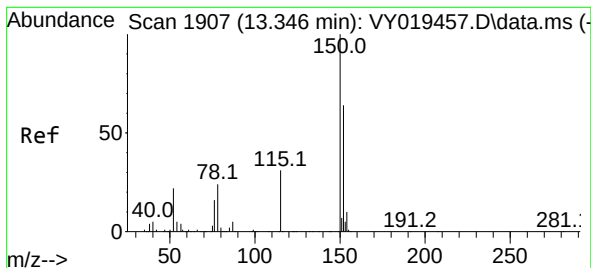
Tgt Ion:106 Resp:17627844
Ion Ratio Lower Upper
106 100
91 0.0 103.6 310.8#



#70
Styrene
Concen: 419.549 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.012 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion:104 Resp: 1277833
Ion Ratio Lower Upper
104 100
78 297.4 37.0 55.4#
103 279.7 44.2 66.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

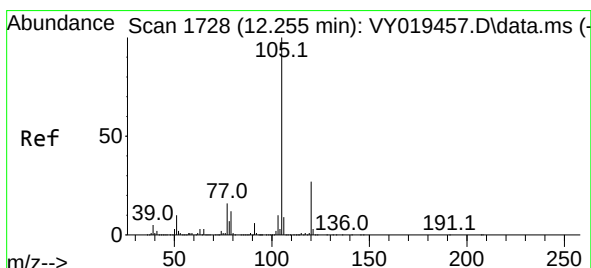
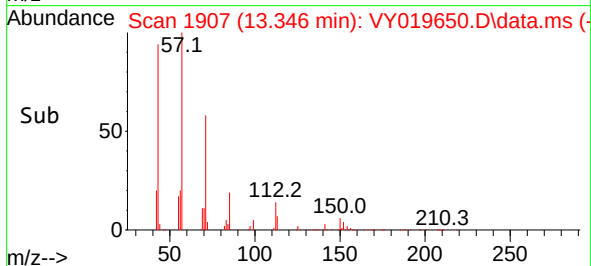
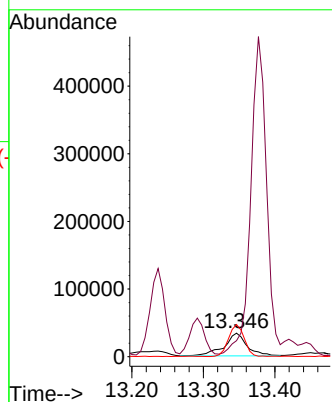
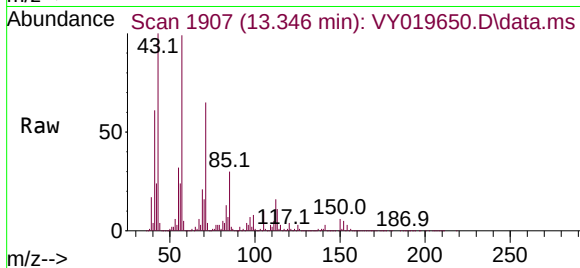
Tgt Ion:152 Resp: 74553

Ion Ratio Lower Upper

152 100

115 0.0 28.2 84.7#

150 98.2 0.0 345.6



#73

Isopropylbenzene

Concen: 1191.134 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY019650.D

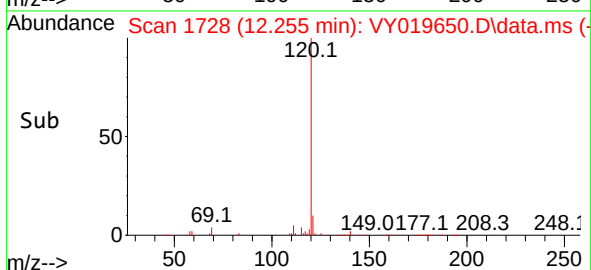
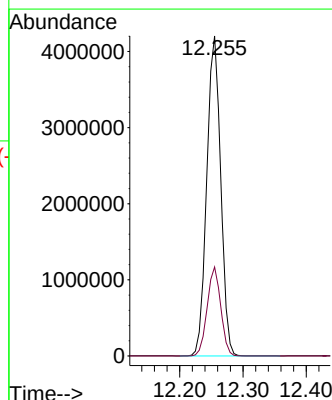
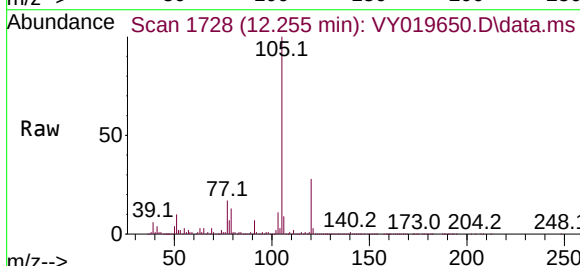
Acq: 20 Sep 2024 16:56

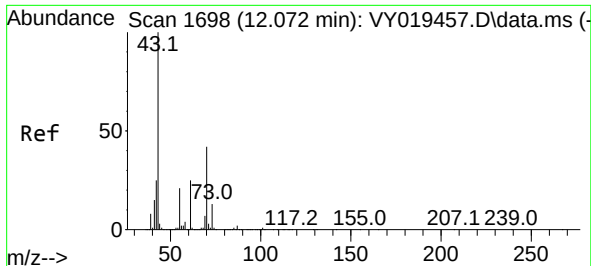
Tgt Ion:105 Resp: 6442356

Ion Ratio Lower Upper

105 100

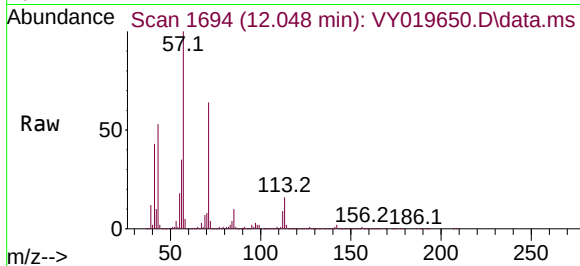
120 27.1 13.4 40.1



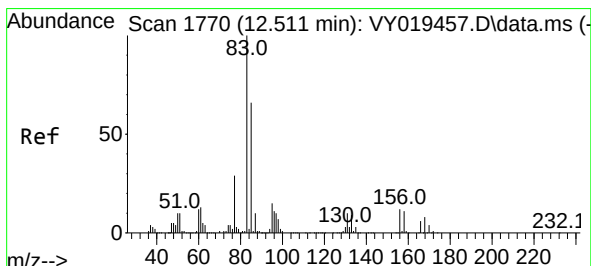
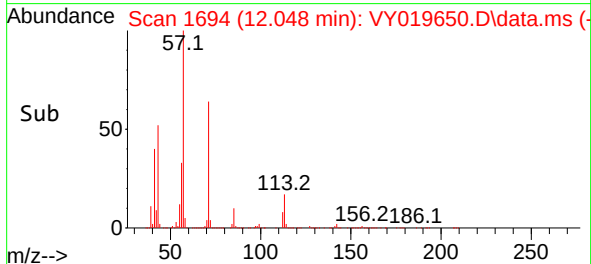
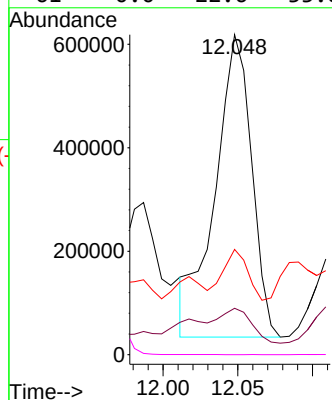


#74
N-amy1 acetate
Concen: 677.406 ug/l
RT: 12.048 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Instrument :
MSVOA_Y
ClientSampleId :

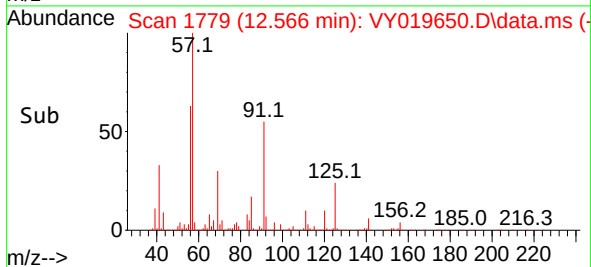
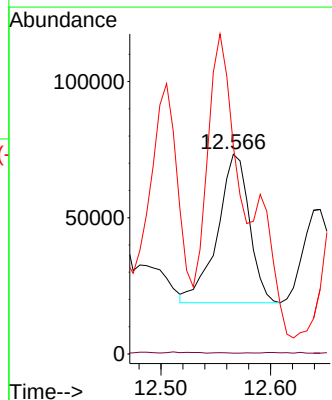
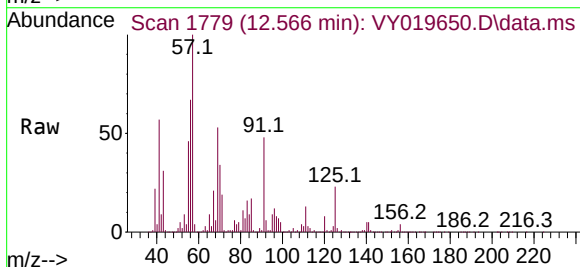


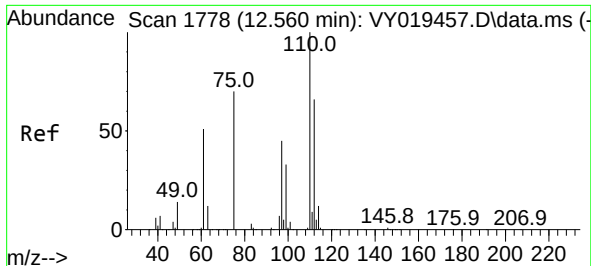
Tgt Ion: 43 Resp: 996430
Ion Ratio Lower Upper
43 100
70 10.3 41.4 62.2#
55 11.1 23.3 34.9#
61 0.0 22.6 33.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 114.633 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.055 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 83 Resp: 110048
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 138.3 32.0 96.0#

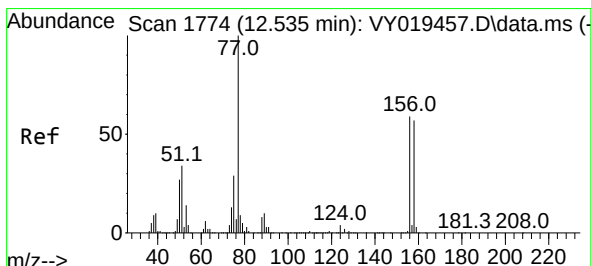
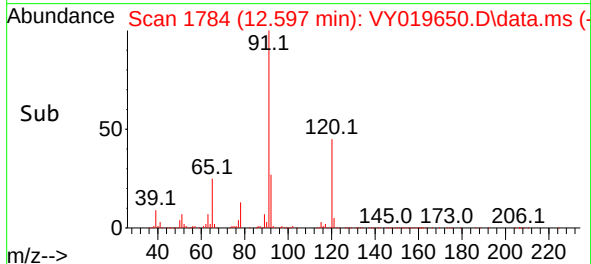
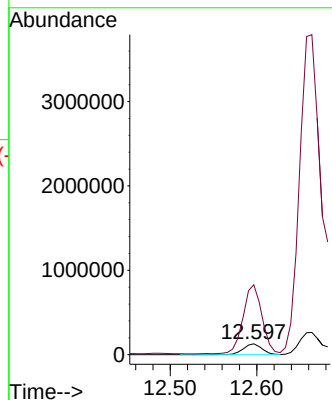
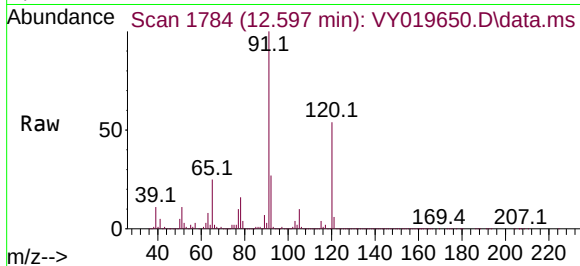




#76
1,2,3-Trichloropropane
Concen: 273.130 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.037 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

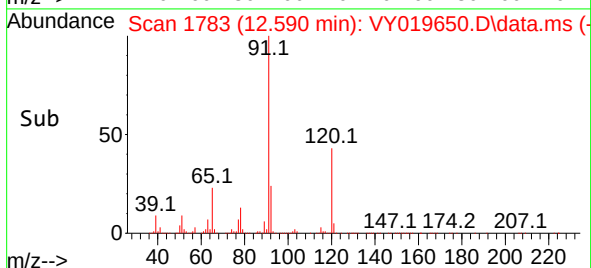
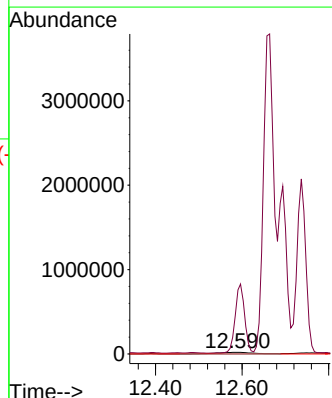
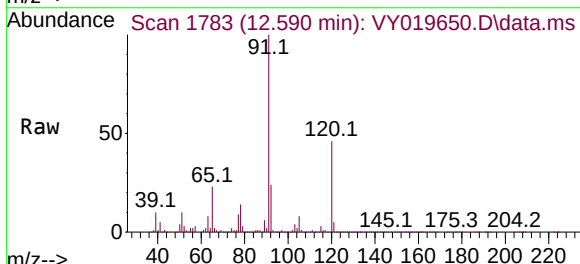
Instrument :
MSVOA_Y
ClientSampleId :

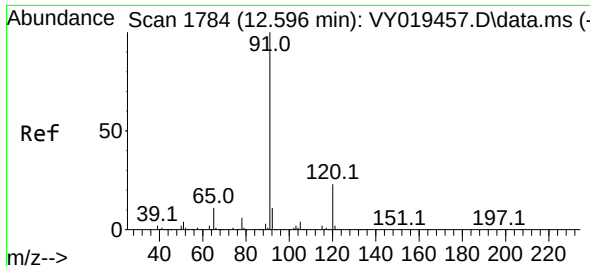
Tgt Ion: 75 Resp: 190857
Ion Ratio Lower Upper
75 100
77 649.8 0.0 0.0#



#77
Bromobenzene
Concen: 92.833 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.055 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion:156 Resp: 111357
Ion Ratio Lower Upper
156 100
77 1113.7 87.1 261.3#
158 0.3 48.6 145.9#

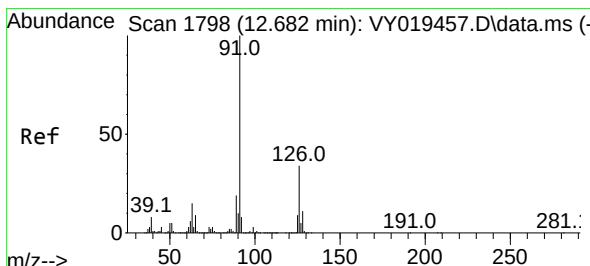
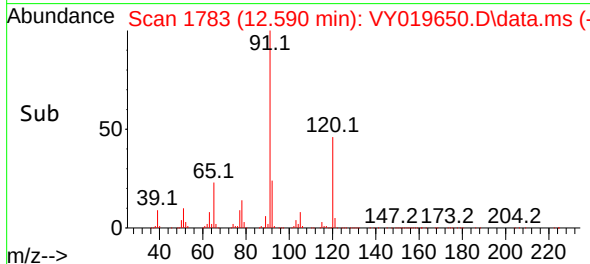
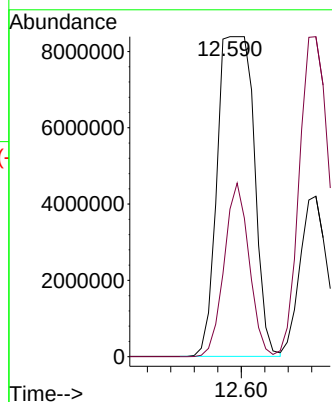
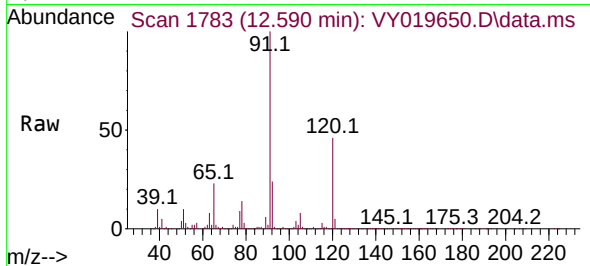




#78
n-propylbenzene
Concen: 2838.337 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

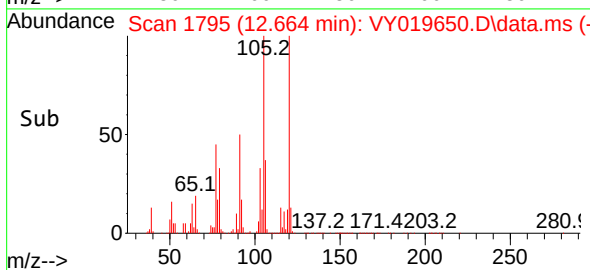
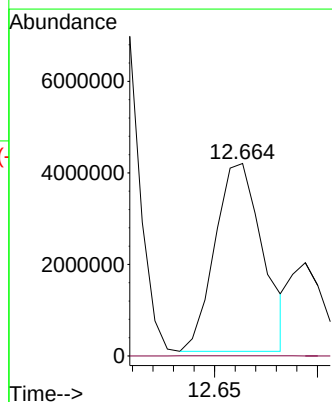
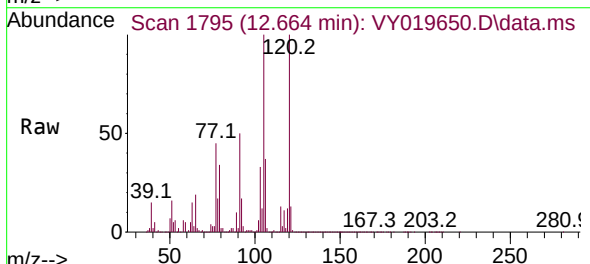
Instrument :
MSVOA_Y
ClientSampleId :

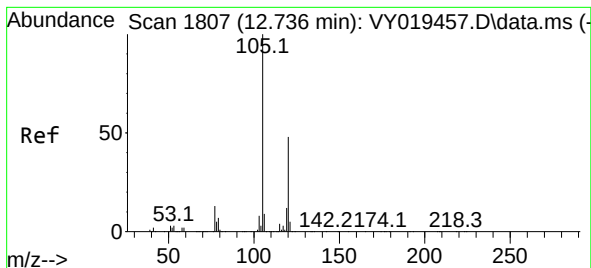
Tgt Ion: 91 Resp:18195582
Ion Ratio Lower Upper
91 100
120 36.9 11.5 34.4#



#79
2-Chlorotoluene
Concen: 1777.741 ug/l
RT: 12.664 min Scan# 1795
Delta R.T. -0.018 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 91 Resp: 6641575
Ion Ratio Lower Upper
91 100
126 0.2 17.8 53.5#

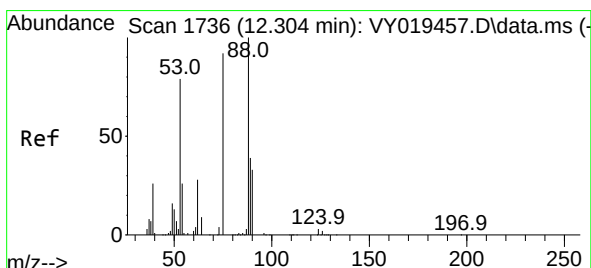
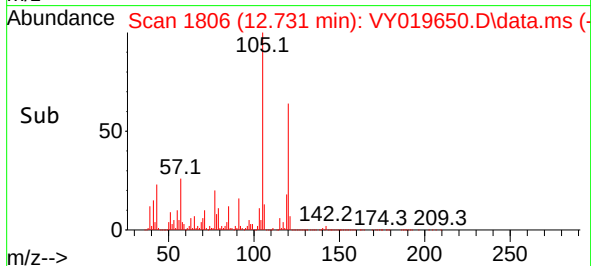
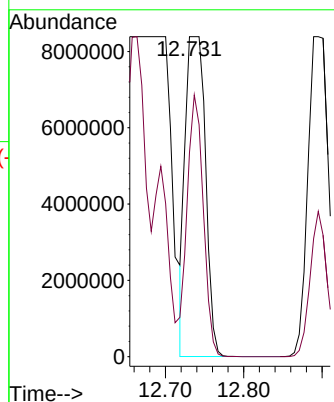
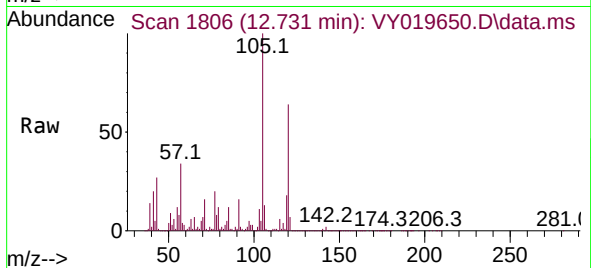




#80
 1,3,5-Trimethylbenzene
 Concen: 3416.674 ug/l
 RT: 12.731 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY019650.D
 Acq: 20 Sep 2024 16:56

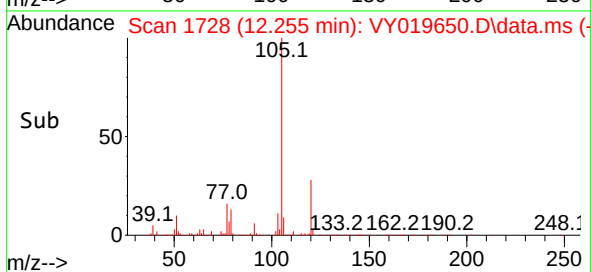
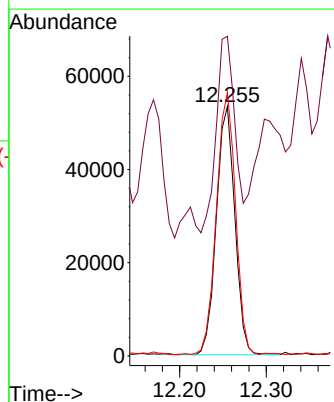
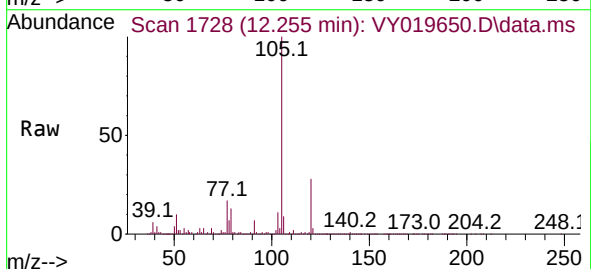
Instrument :
 MSVOA_Y
 ClientSampleId :

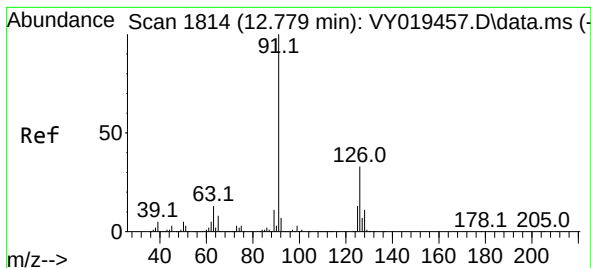
Tgt Ion:105 Resp:15022960
 Ion Ratio Lower Upper
 105 100
 120 67.3 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 217.293 ug/l
 RT: 12.255 min Scan# 1728
 Delta R.T. -0.049 min
 Lab File: VY019650.D
 Acq: 20 Sep 2024 16:56

Tgt Ion: 75 Resp: 79095
 Ion Ratio Lower Upper
 75 100
 53 98.1 66.8 100.2
 89 109.0 35.8 53.6#

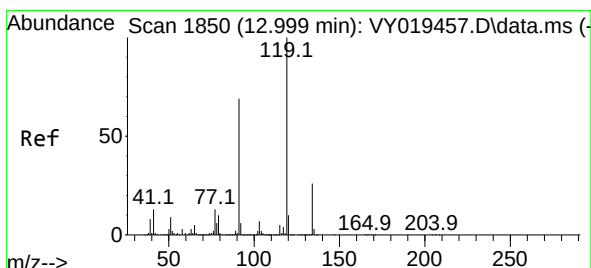
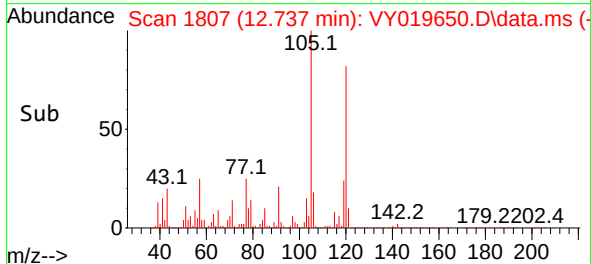
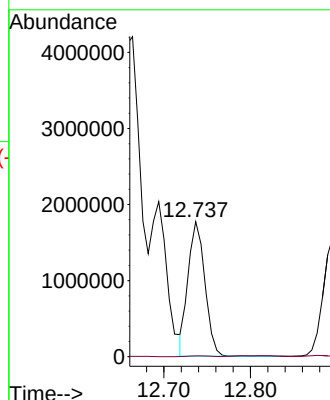
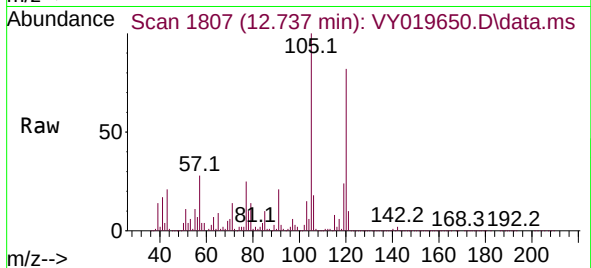




#82
4-Chlorotoluene
Concen: 619.616 ug/l
RT: 12.737 min Scan# 1814
Delta R.T. -0.042 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

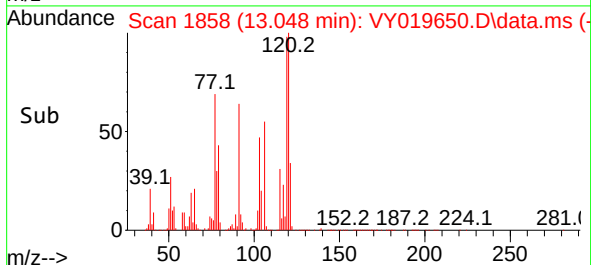
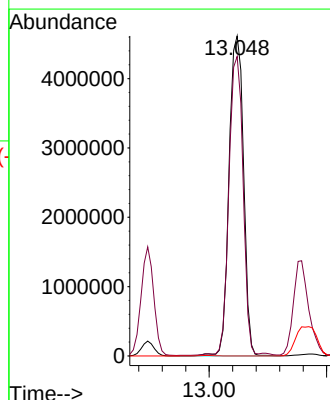
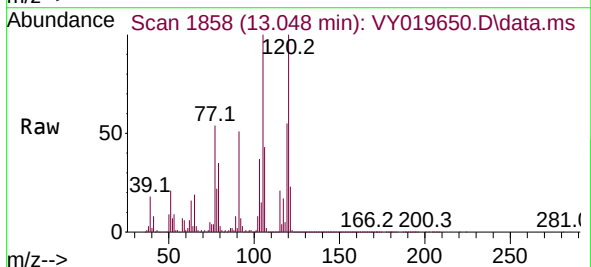
Instrument :
MSVOA_Y
ClientSampleId :

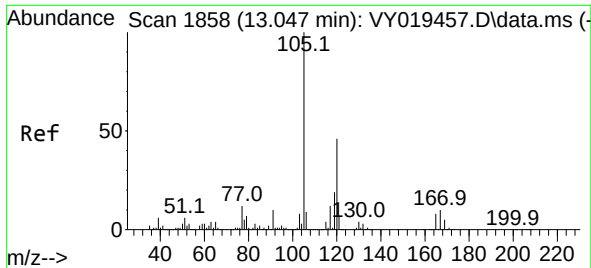
Tgt Ion: 91 Resp: 2379848
Ion Ratio Lower Upper
91 100
126 0.8 17.6 52.9#



#83
tert-Butylbenzene
Concen: 1984.702 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.049 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion: 119 Resp: 7900193
Ion Ratio Lower Upper
119 100
91 91.4 31.3 93.8
134 0.0 13.4 40.1#

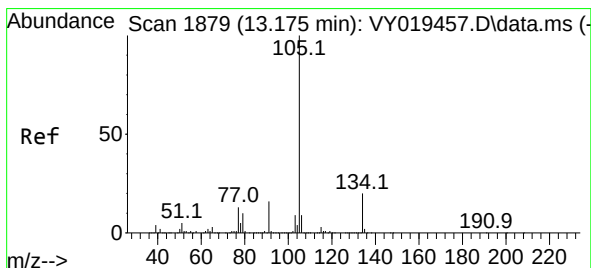
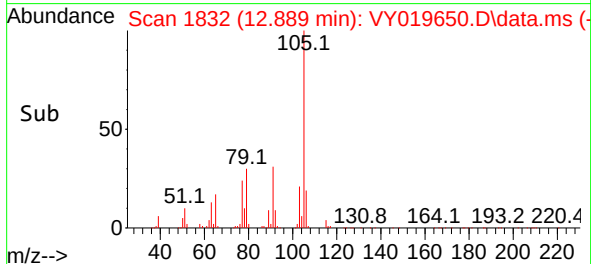
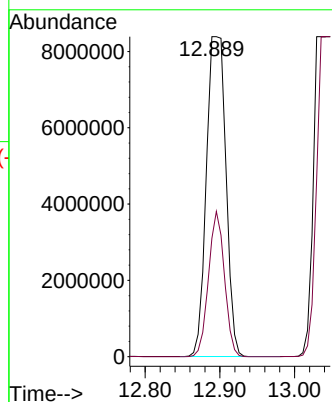
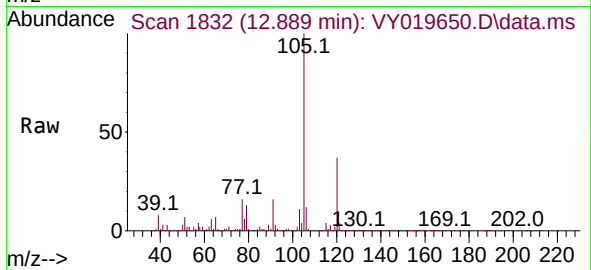




#84
1,2,4-Trimethylbenzene
Concen: 3501.833 ug/l
RT: 12.889 min Scan# 1832
Delta R.T. -0.158 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

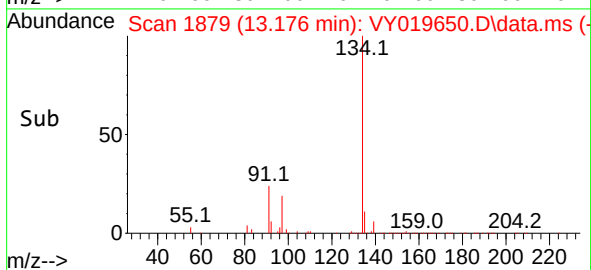
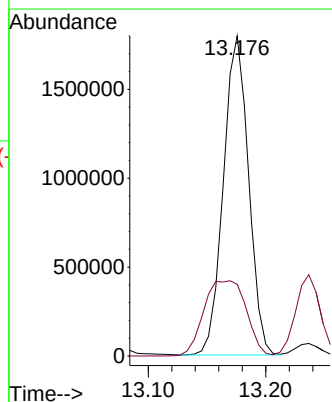
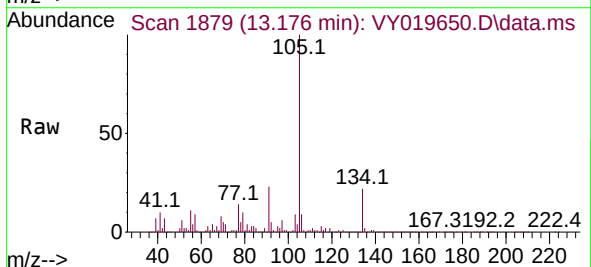
Instrument :
MSVOA_Y
ClientSampleId :

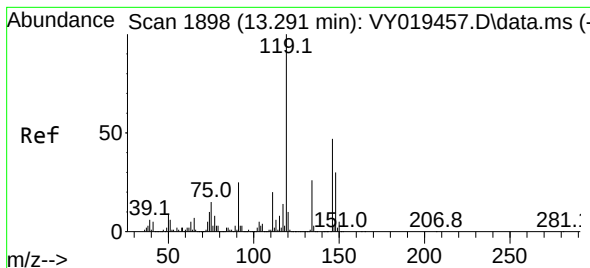
Tgt Ion:105 Resp:15241366
Ion Ratio Lower Upper
105 100
120 36.9 23.2 69.6



#85
sec-Butylbenzene
Concen: 461.794 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY019650.D
Acq: 20 Sep 2024 16:56

Tgt Ion:105 Resp: 2670385
Ion Ratio Lower Upper
105 100
134 39.7 10.1 30.1#





#86

p-Isopropyltoluene

Concen: 209.577 ug/l

RT: 13.292 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

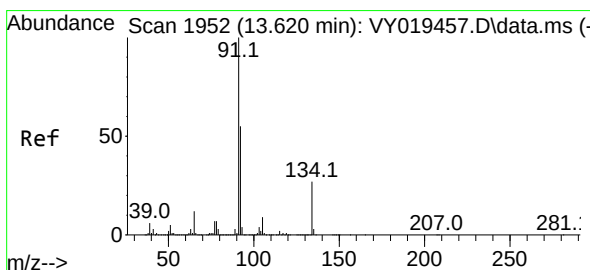
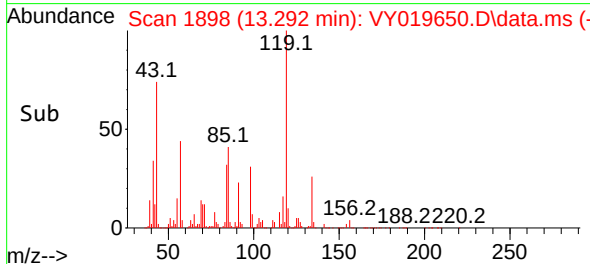
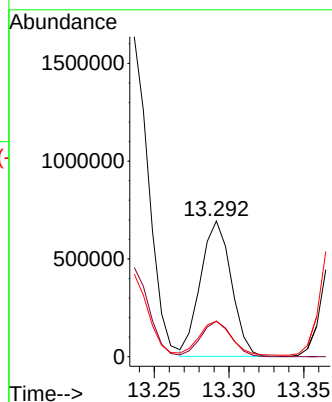
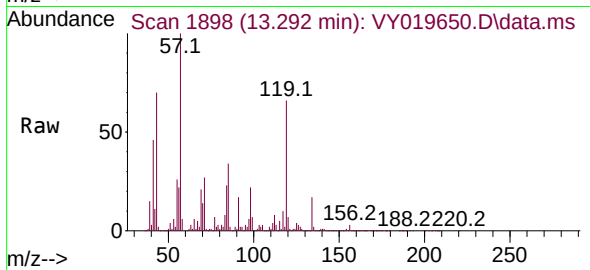
Tgt Ion:119 Resp: 991536

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 25.6 10.7 32.1



#89

n-Butylbenzene

Concen: 1438.977 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

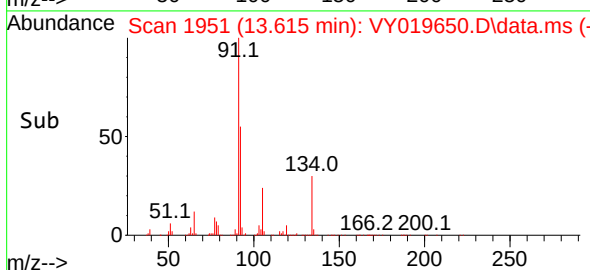
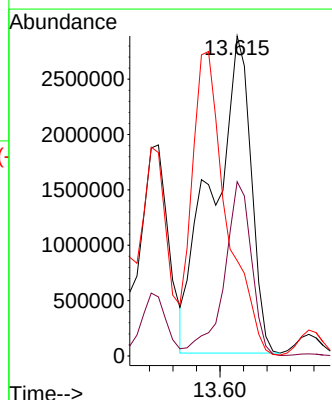
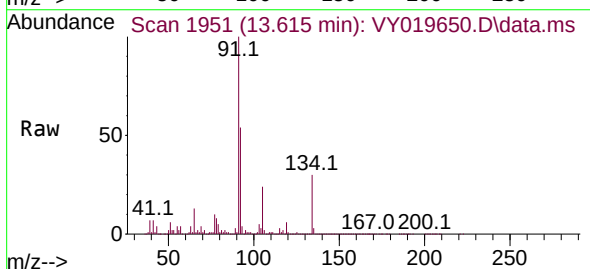
Tgt Ion: 91 Resp: 6508378

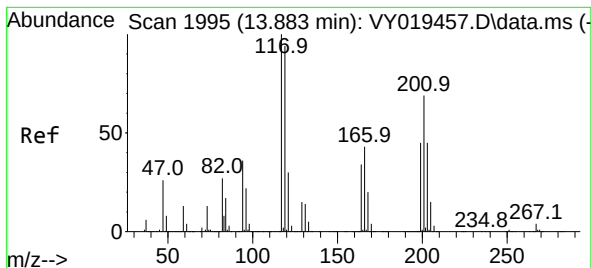
Ion Ratio Lower Upper

91 100

92 38.9 26.6 79.7

134 0.0 12.9 38.7#





#90

Hexachloroethane

Concen: 1336.716 ug/l

RT: 13.895 min Scan# 1995

Delta R.T. 0.012 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

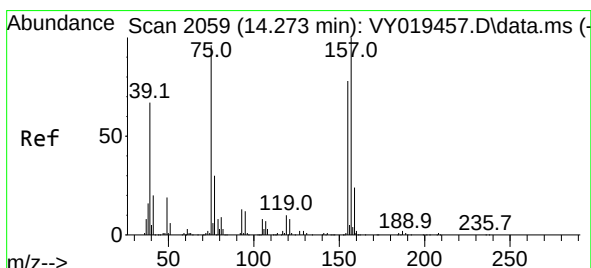
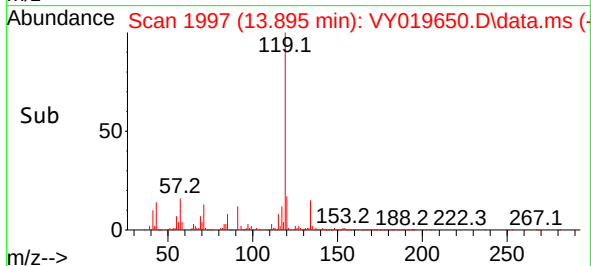
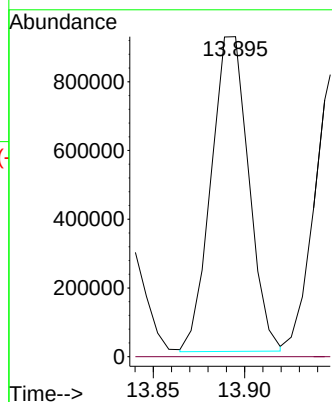
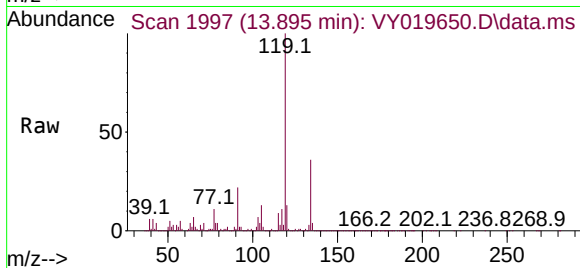
ClientSampleId :

Tgt Ion:117 Resp: 1315882

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 89.421 ug/l

RT: 14.297 min Scan# 2063

Delta R.T. 0.025 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

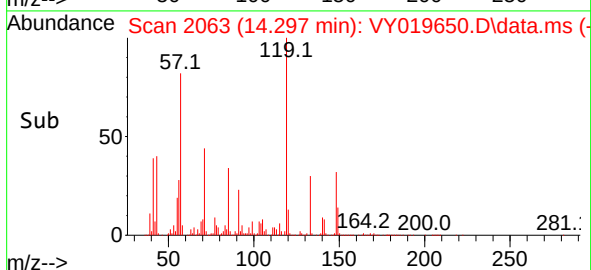
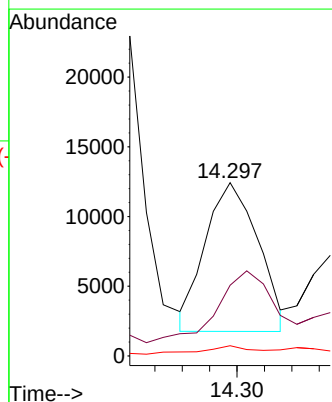
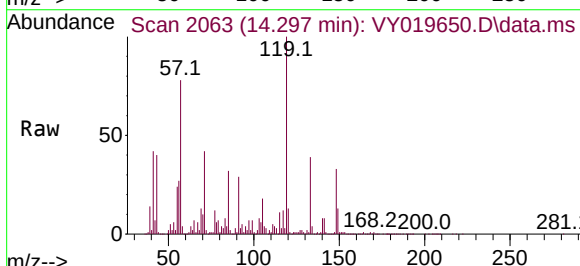
Tgt Ion: 75 Resp: 14307

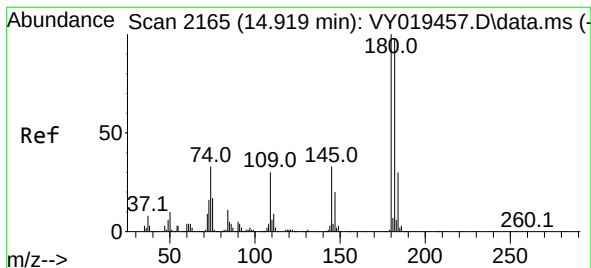
Ion Ratio Lower Upper

75 100

155 52.3 48.6 145.8

157 5.2 62.7 188.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.109 ug/l

RT: 14.913 min Scan# 2165

Delta R.T. -0.006 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

Instrument :

MSVOA_Y

ClientSampleId :

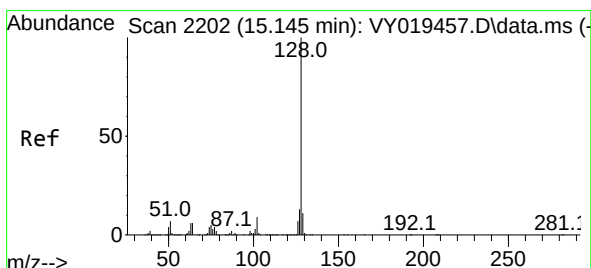
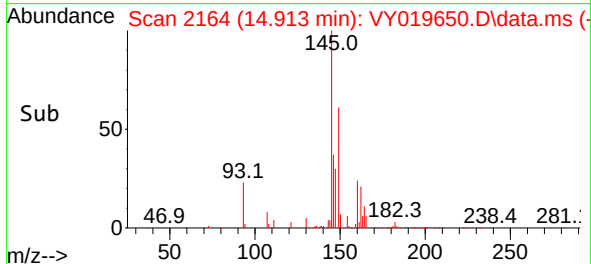
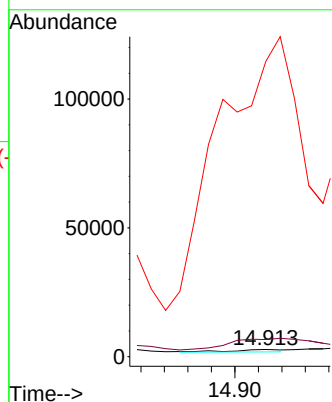
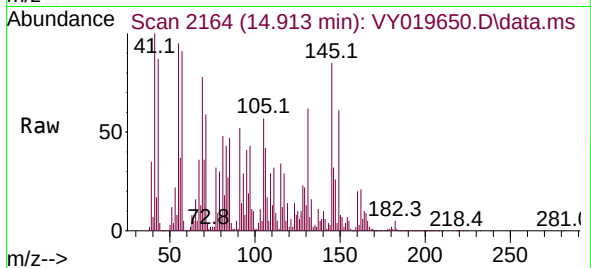
Tgt Ion:180 Resp: 1403

Ion Ratio Lower Upper

180 100

182 819.2 47.9 143.8#

145 23269.8 14.2 42.6#



#95

Naphthalene

Concen: 2969.408 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY019650.D

Acq: 20 Sep 2024 16:56

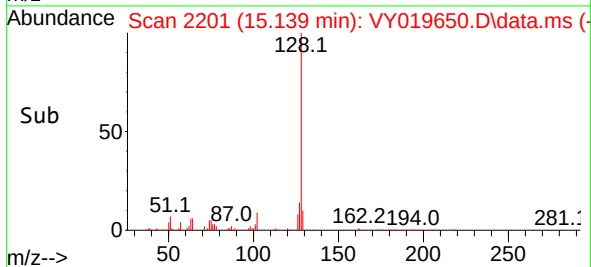
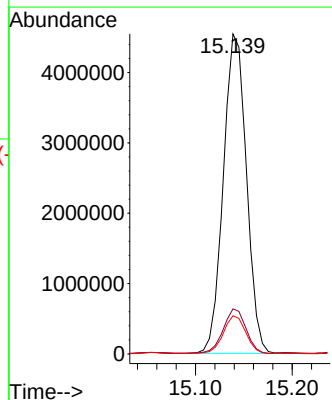
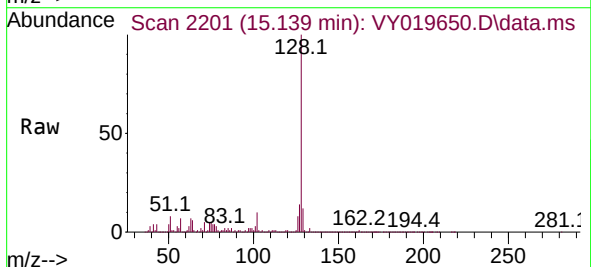
Tgt Ion:128 Resp: 7522682

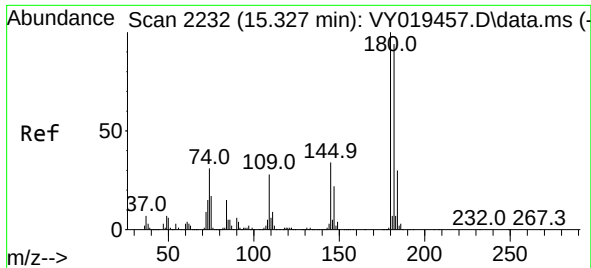
Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

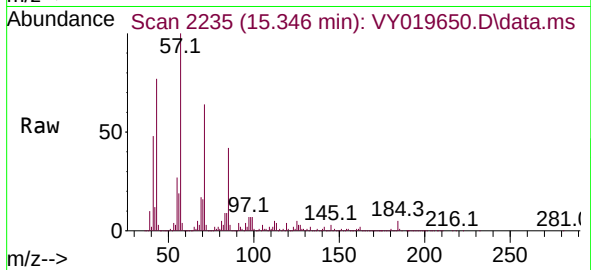
129 11.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 6.974 ug/l
 RT: 15.346 min Scan# 21
 Delta R.T. 0.019 min
 Lab File: VY019650.D
 Acq: 20 Sep 2024 16:56

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 7546
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.9#
 145 0.0 15.4 46.1#

