

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
 Data File : VY020353.D
 Acq On : 20 Nov 2024 12:44
 Operator : SY/MD
 Sample : P4929-01
 Misc : 3.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 00:46:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 04:38:24 2024
 Response via : Initial Calibration

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

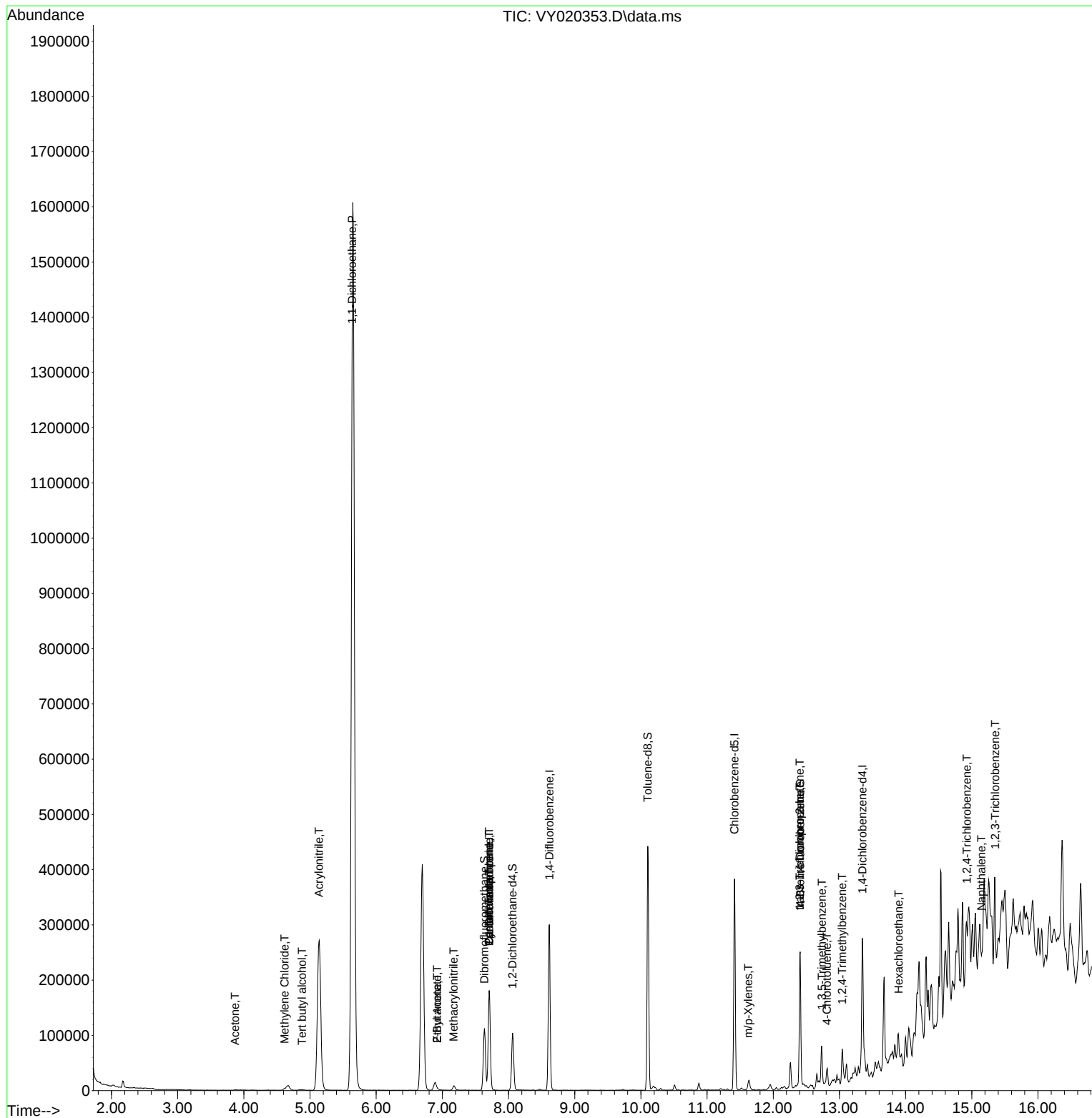
Internal Standards						
1) Pentafluorobenzene	7.707	168	127316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	240375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	191898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	54461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84021	57.442	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.880%
35) Dibromofluoromethane	7.634	113	78301	50.800	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.600%
50) Toluene-d8	10.103	98	274806	45.260	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.520%
62) 4-Bromofluorobenzene	12.408	95	74705	38.274	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	76.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	101	Below Cal	#	41
11) Tert butyl alcohol	4.879	59	2167	17.995	ug/l #	73
15) Acrylonitrile	5.135	53	10593	32.237	ug/l #	41
16) Acetone	3.867	43	1660	4.734	ug/l	92
20) Methylene Chloride	4.616	84	2036	1.371	ug/l #	85
24) 1,1-Dichloroethane	5.635	63	3461	1.158	ug/l #	83
25) 2-Butanone	6.921	43	1173	2.598	ug/l #	50
31) Cyclohexane	7.707	56	3682	1.350	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	11118	4.723	ug/l #	53
37) Ethyl Acetate	6.921	43	1173	1.088	ug/l #	69
38) Carbon Tetrachloride	7.707	117	14210	5.781	ug/l #	16
41) Methacrylonitrile	7.171	41	4377	7.133	ug/l #	43
68) m/p-Xylenes	11.621	106	3615	1.271	ug/l	97
76) 1,2,3-Trichloropropane	12.402	75	42151	82.116	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	8701	2.334	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.402	75	42151	160.902	ug/l #	9
82) 4-Chlorotoluene	12.810	91	3990	1.214	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.042	105	30826	8.339	ug/l	99
90) Hexachloroethane	13.895	117	1284	1.659	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.926	180	1131	1.149	ug/l #	1
95) Naphthalene	15.145	128	13513	7.969	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.352	180	2299	2.731	ug/l #	33

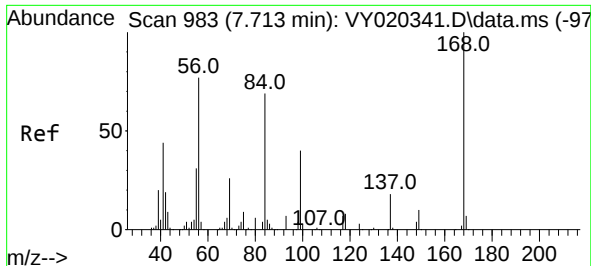
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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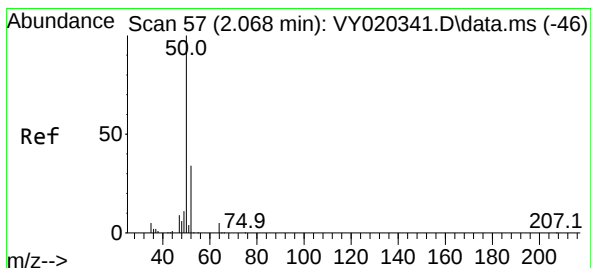
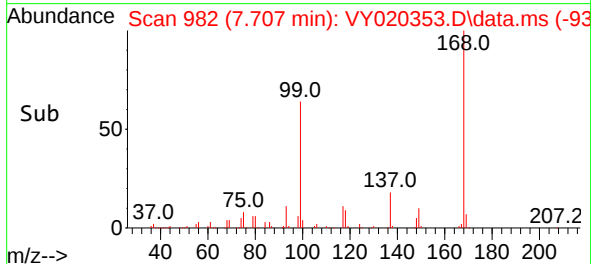
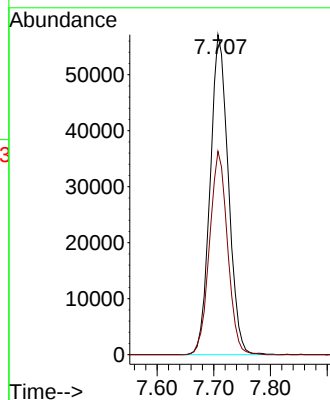
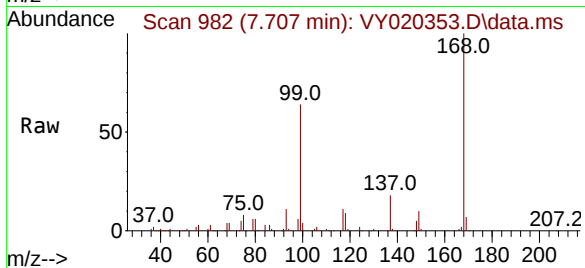




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

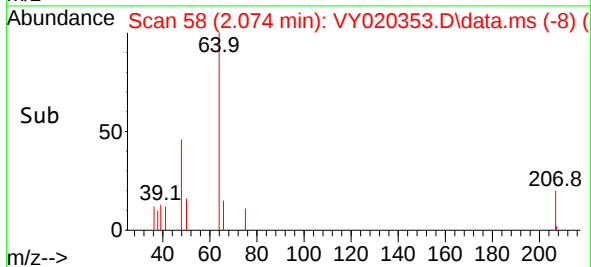
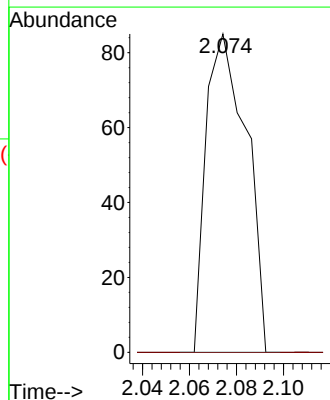
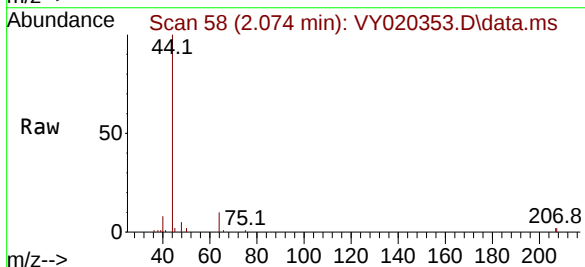
Instrument :
MSVOA_Y
ClientSampleId :

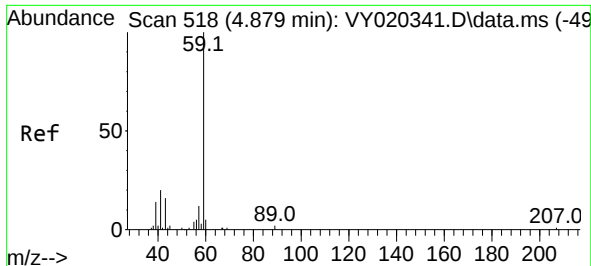
Tgt Ion:168 Resp: 127316
Ion Ratio Lower Upper
168 100
99 63.5 46.6 69.8



#3
Chloromethane
Concen: Below Cal
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

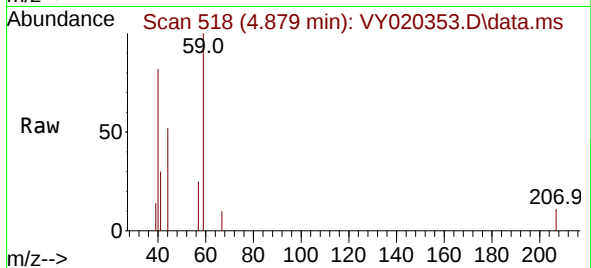
Tgt Ion: 50 Resp: 101
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



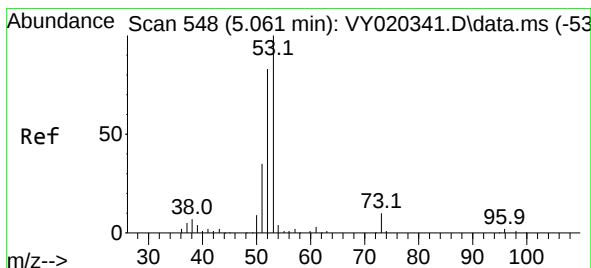
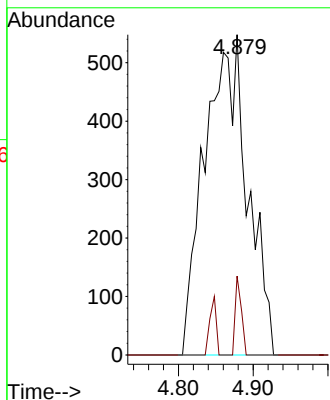
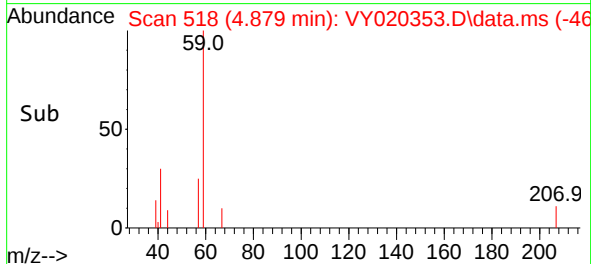


#11
Tert butyl alcohol
Concen: 17.995 ug/l
RT: 4.879 min Scan# 518
Delta R.T. -0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

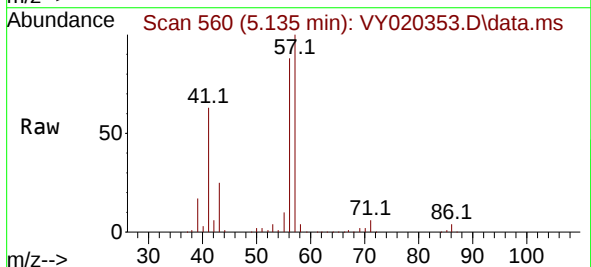
Instrument :
MSVOA_Y
ClientSampleId :



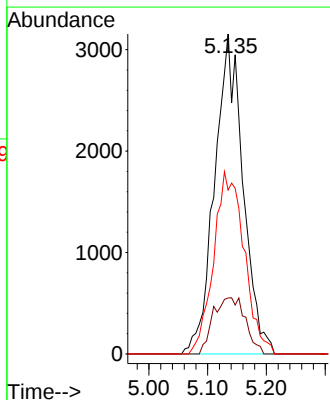
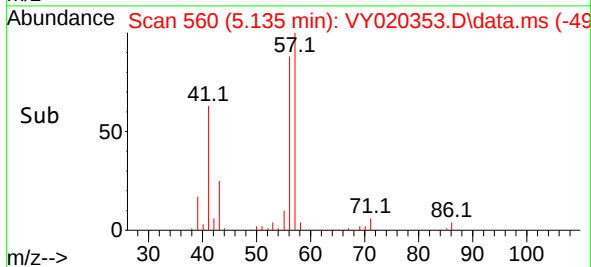
Tgt Ion: 59 Resp: 2167
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

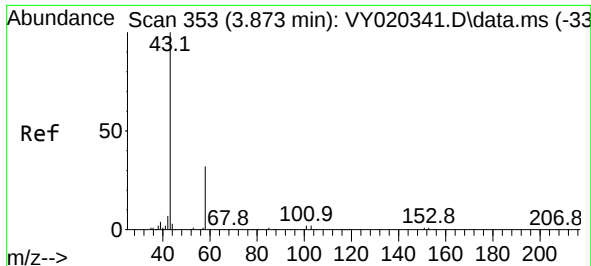


#15
Acrylonitrile
Concen: 32.237 ug/l
RT: 5.135 min Scan# 560
Delta R.T. 0.073 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44



Tgt Ion: 53 Resp: 10593
Ion Ratio Lower Upper
53 100
52 19.9 65.2 97.8#
51 61.0 30.2 45.4#

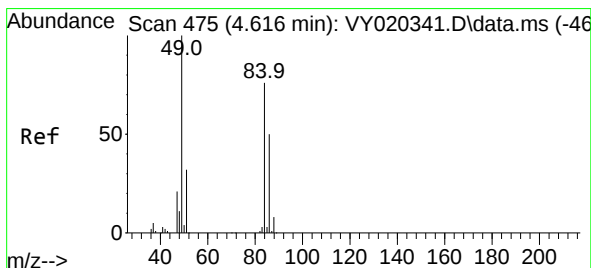
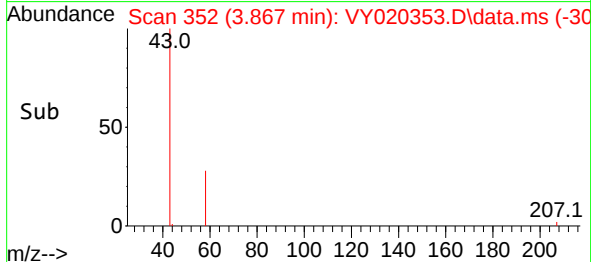
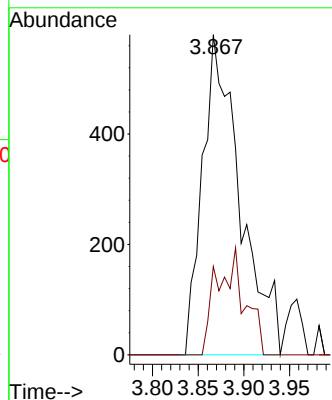
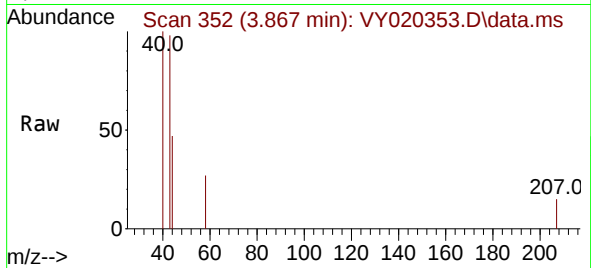




#16
Acetone
Concen: 4.734 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

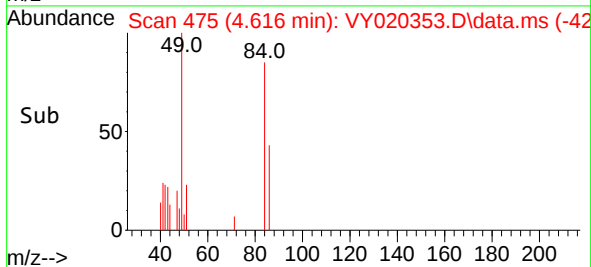
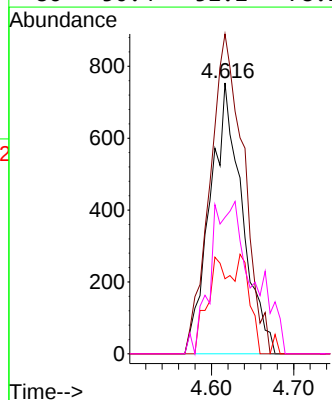
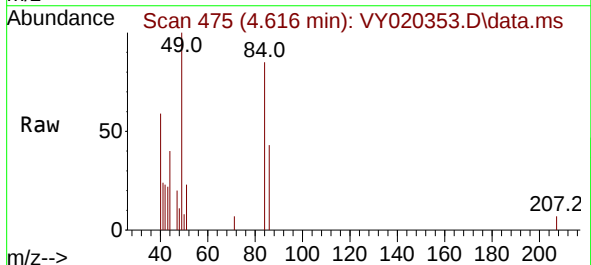
Instrument :
MSVOA_Y
ClientSampleId :

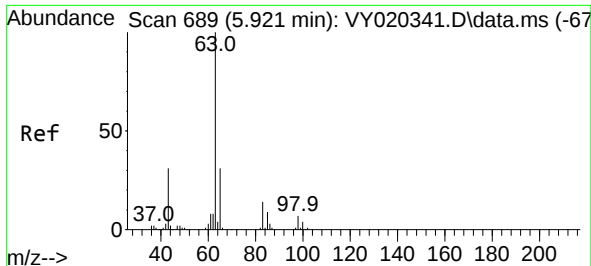
Tgt Ion: 43 Resp: 1660
Ion Ratio Lower Upper
43 100
58 27.6 25.7 38.5



#20
Methylene Chloride
Concen: 1.371 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

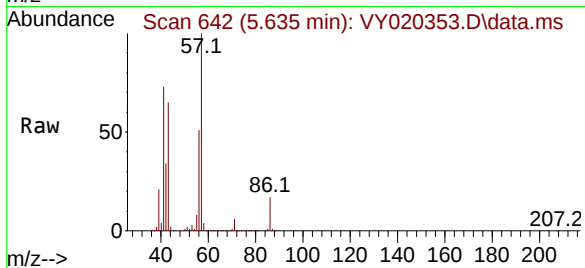
Tgt Ion: 84 Resp: 2036
Ion Ratio Lower Upper
84 100
49 118.0 104.7 157.1
51 27.7 33.4 50.0#
86 50.4 52.2 78.2#



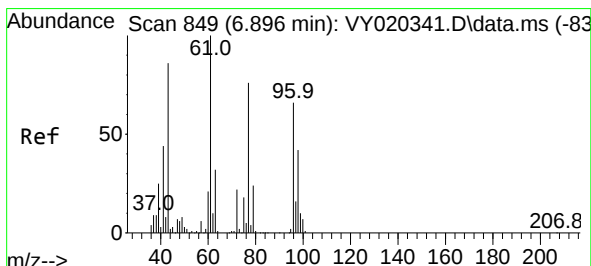
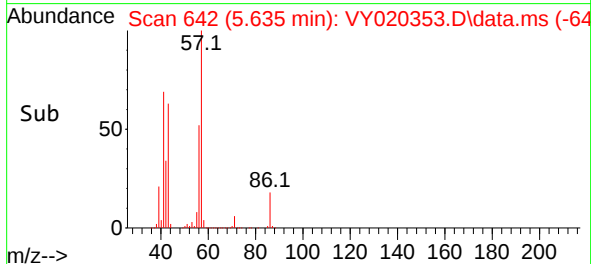
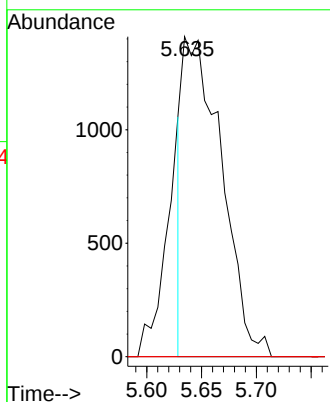


#24
1,1-Dichloroethane
Concen: 1.158 ug/l
RT: 5.635 min Scan# 64
Delta R.T. -0.287 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :

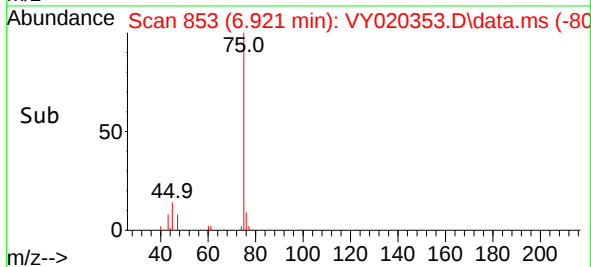
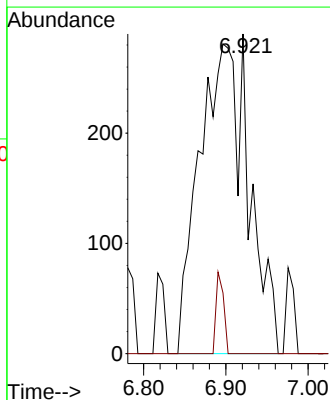
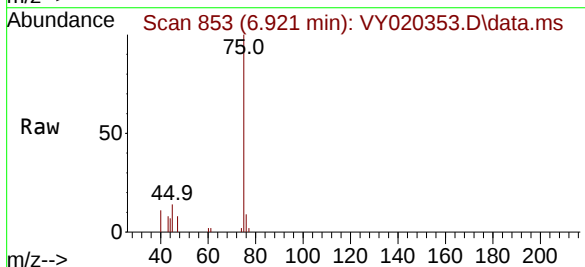


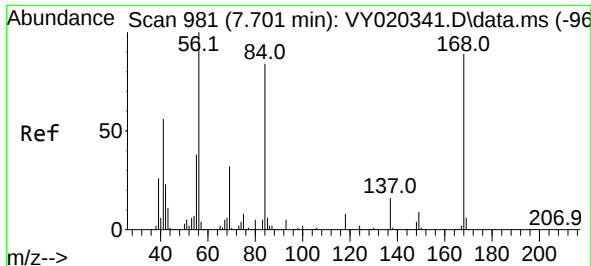
Tgt Ion: 63 Resp: 3461
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.1#
100 0.0 2.0 5.8#



#25
2-Butanone
Concen: 2.598 ug/l
RT: 6.921 min Scan# 853
Delta R.T. 0.024 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Tgt Ion: 43 Resp: 1173
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#

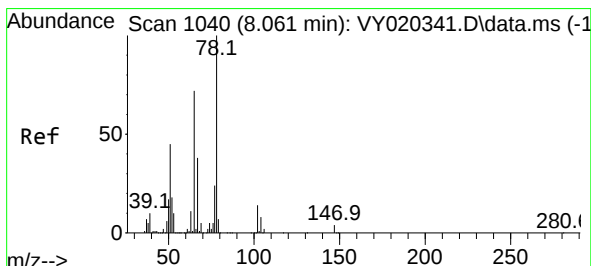
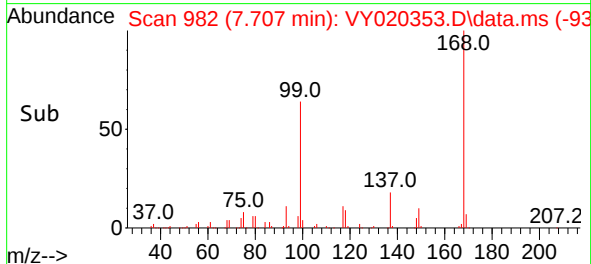
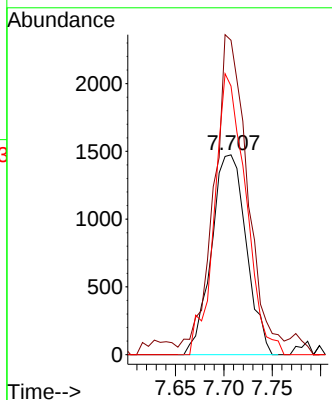
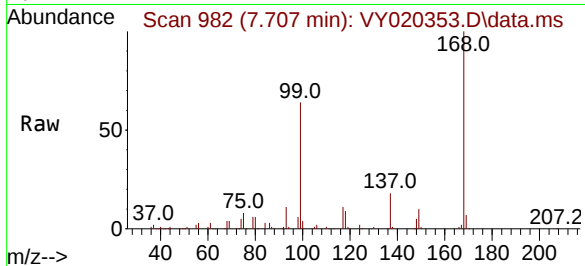




#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

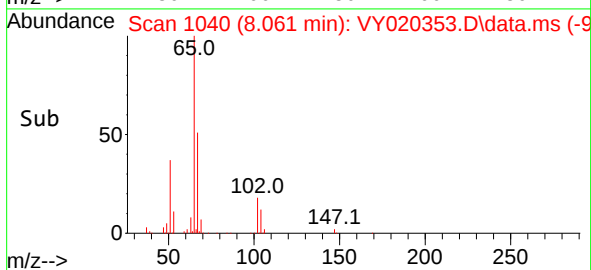
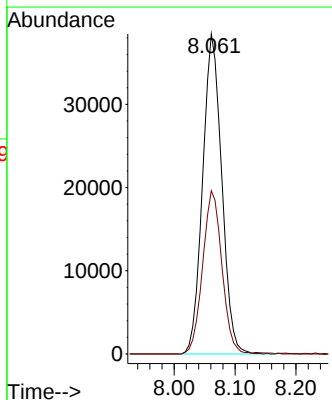
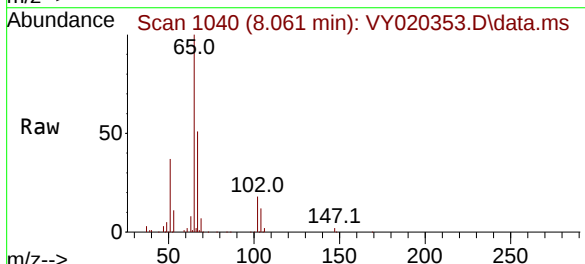
Instrument :
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ClientSampleId :

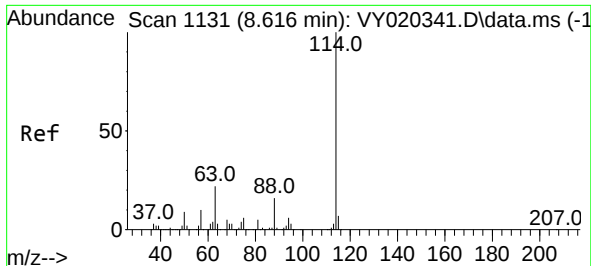
Tgt Ion: 56 Resp: 3682
Ion Ratio Lower Upper
56 100
69 153.7 25.3 37.9#
84 134.5 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 57.442 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

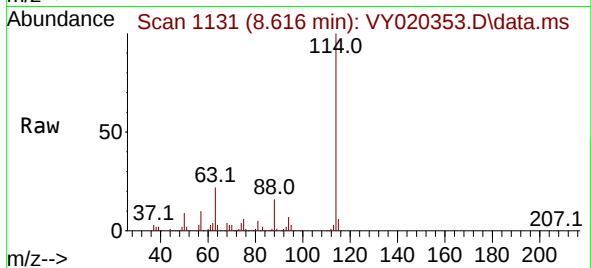
Tgt Ion: 65 Resp: 84021
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.8



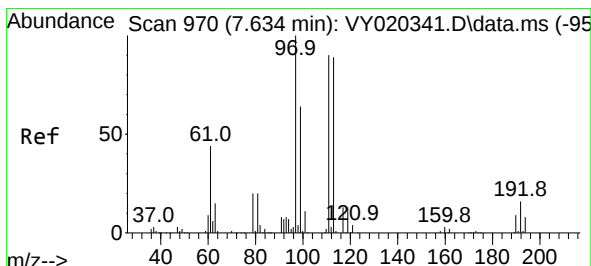
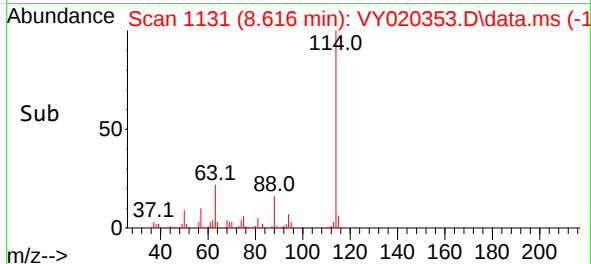
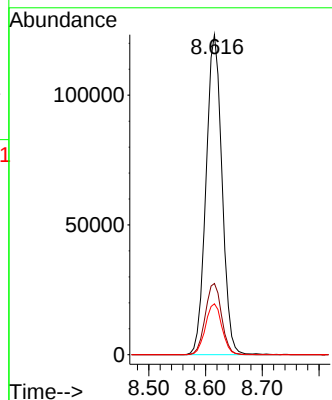


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
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ClientSampleId :

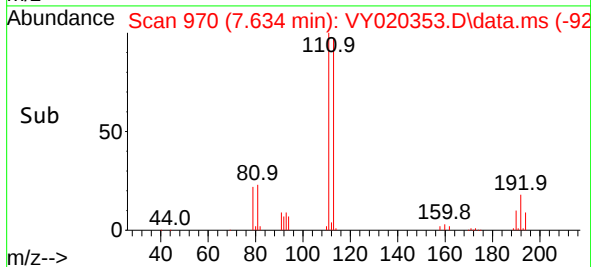
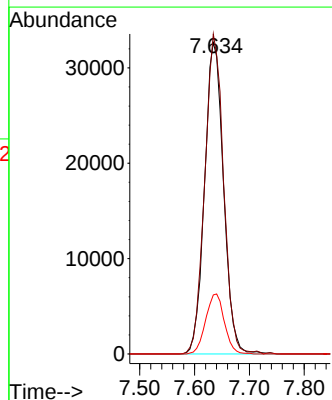
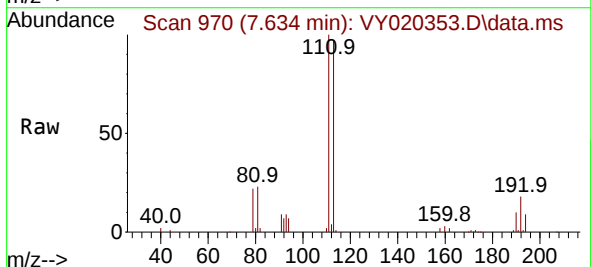


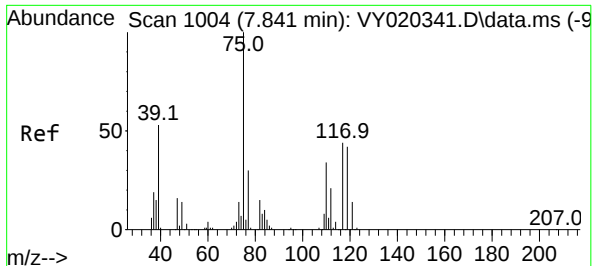
Tgt Ion:114 Resp: 240375
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.8
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.800 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Tgt Ion:113 Resp: 78301
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 19.0 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.723 ug/l

RT: 7.707 min Scan# 911

Delta R.T. -0.134 min

Lab File: VY020353.D

Acq: 20 Nov 2024 12:44

Instrument :

MSVOA_Y

ClientSampleId :

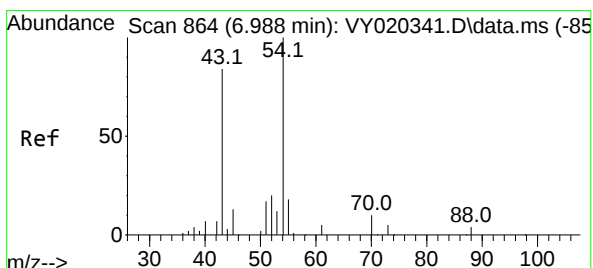
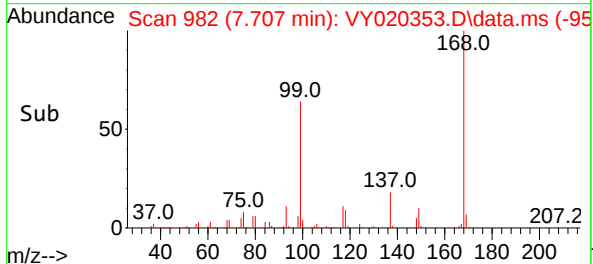
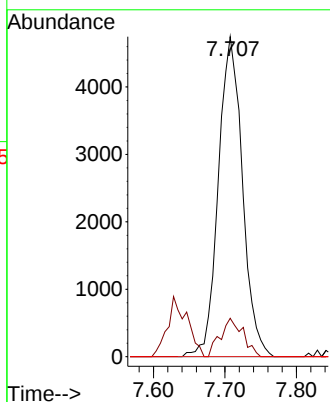
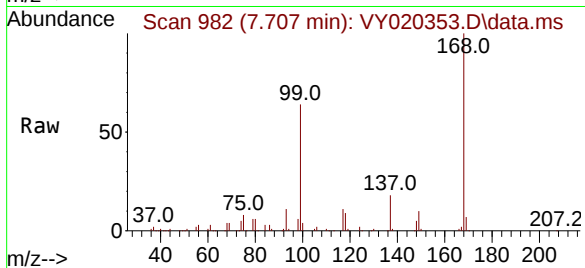
Tgt Ion: 75 Resp: 11118

Ion Ratio Lower Upper

75 100

110 11.3 16.7 50.0#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 1.088 ug/l

RT: 6.921 min Scan# 853

Delta R.T. -0.067 min

Lab File: VY020353.D

Acq: 20 Nov 2024 12:44

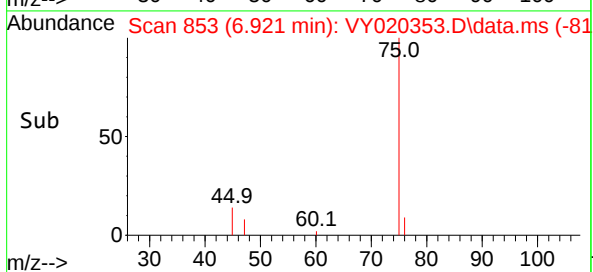
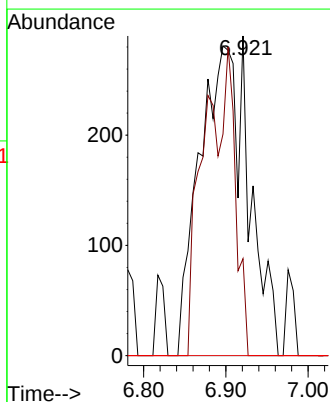
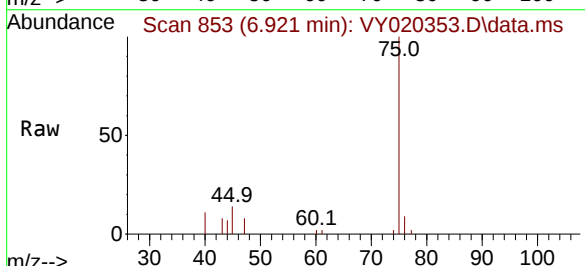
Tgt Ion: 43 Resp: 1173

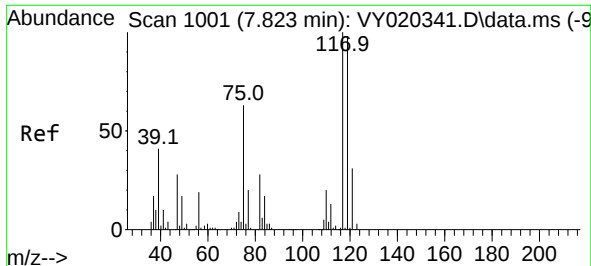
Ion Ratio Lower Upper

43 100

61 27.1 10.7 16.1#

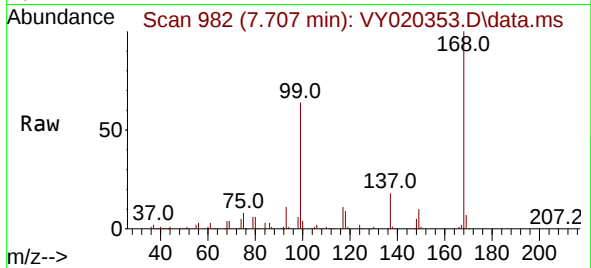
70 0.0 7.3 10.9#



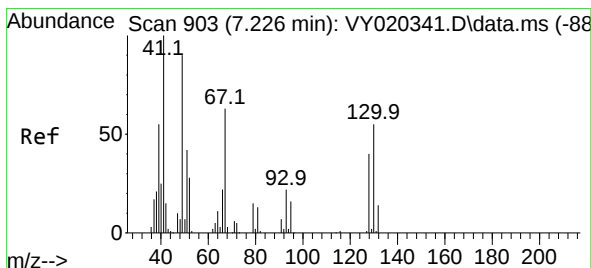
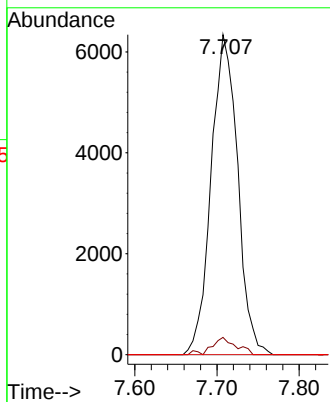
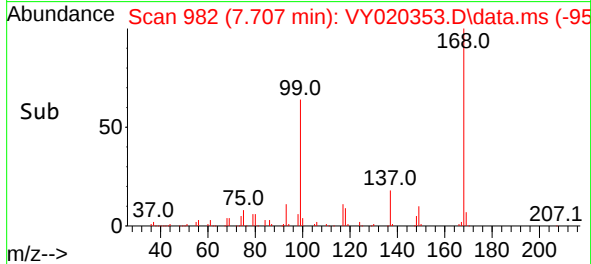


#38
Carbon Tetrachloride
Concen: 5.781 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :

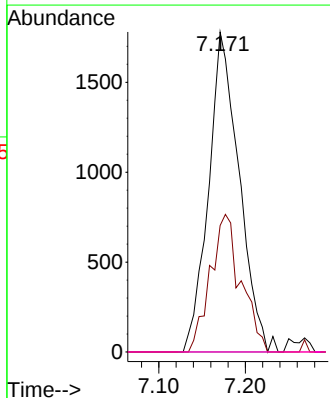
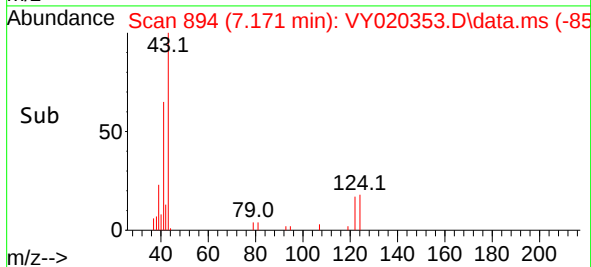
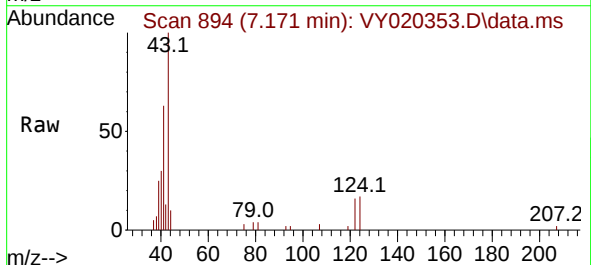


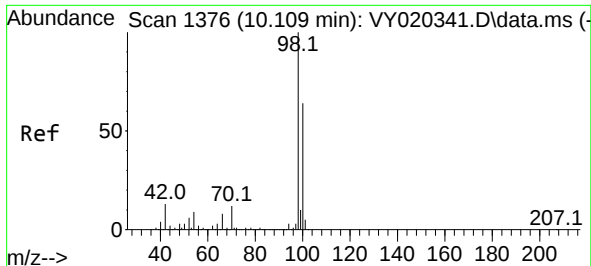
Tgt Ion:117 Resp: 14210
Ion Ratio Lower Upper
117 100
119 5.4 77.8 116.6#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 7.133 ug/l
RT: 7.171 min Scan# 894
Delta R.T. -0.055 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Tgt Ion: 41 Resp: 4377
Ion Ratio Lower Upper
41 100
39 43.0 49.0 73.4#
67 0.0 57.1 85.7#
52 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 45.260 ug/l

RT: 10.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY020353.D

Acq: 20 Nov 2024 12:44

Instrument :

MSVOA_Y

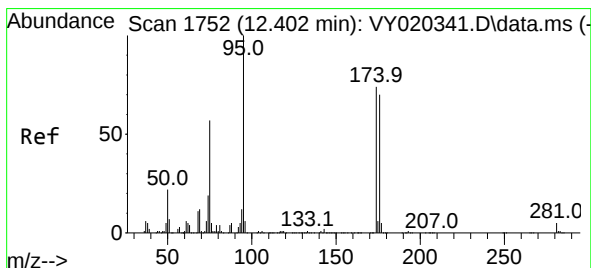
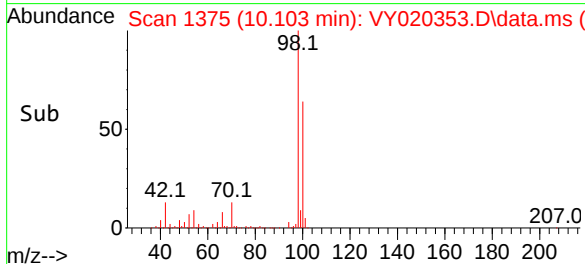
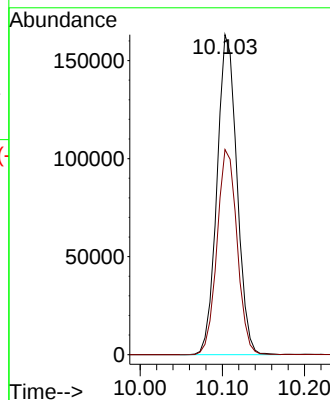
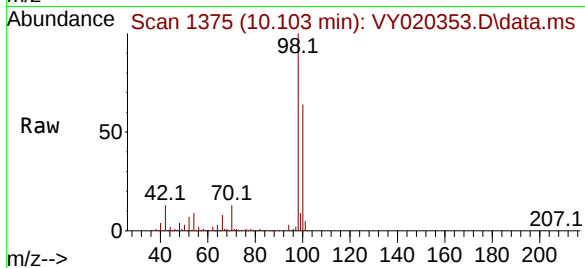
ClientSampleId :

Tgt Ion: 98 Resp: 274806

Ion Ratio Lower Upper

98 100

100 64.6 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 38.274 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020353.D

Acq: 20 Nov 2024 12:44

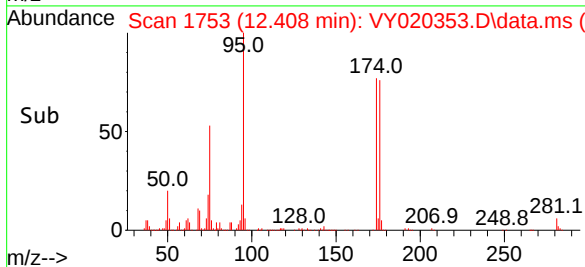
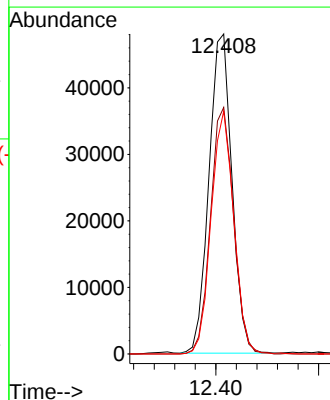
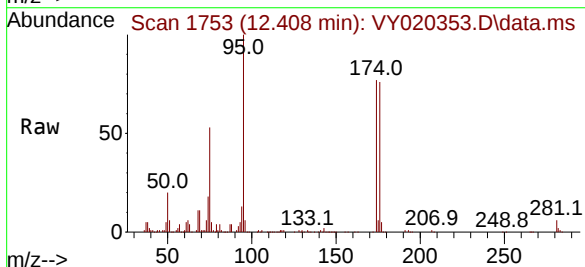
Tgt Ion: 95 Resp: 74705

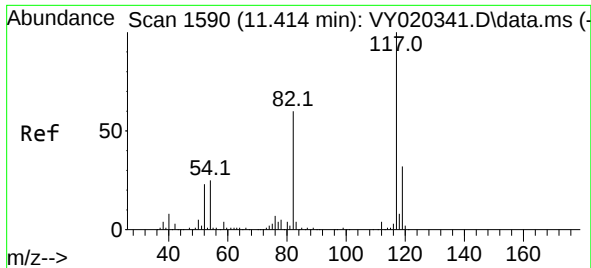
Ion Ratio Lower Upper

95 100

174 77.4 0.0 156.8

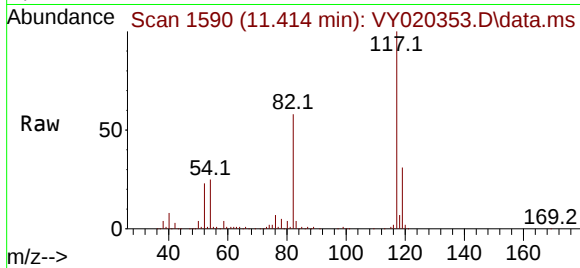
176 74.9 0.0 152.0



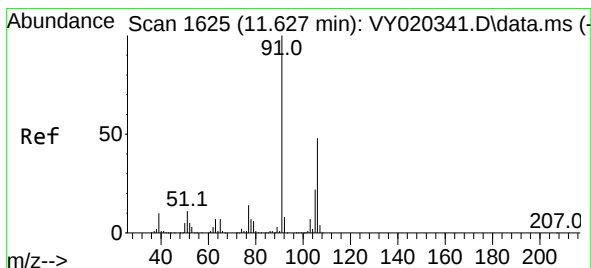
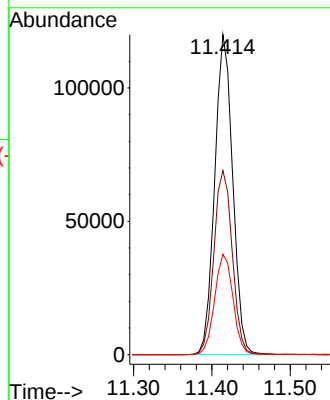
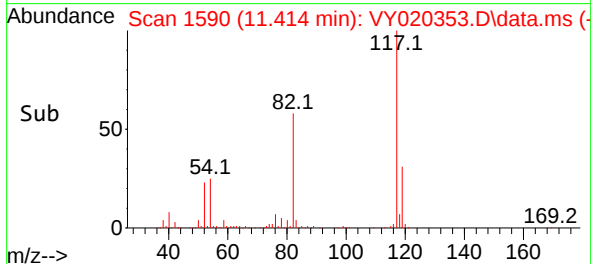


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :

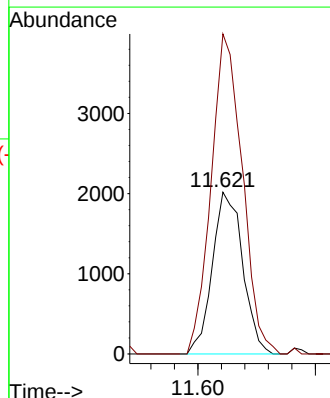
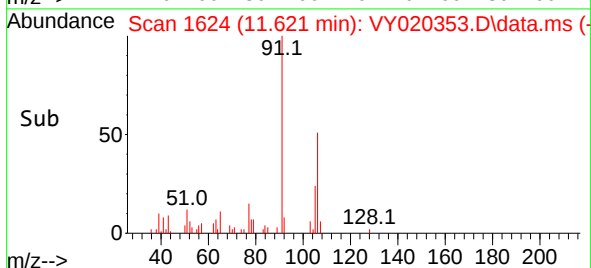
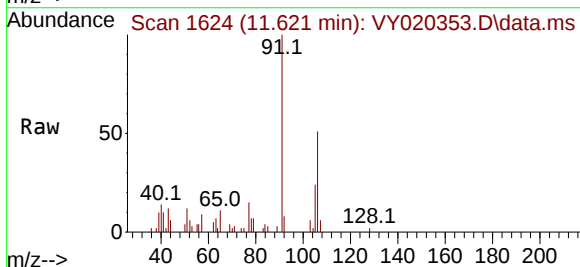


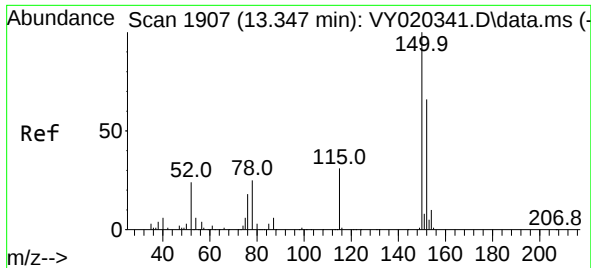
Tgt Ion:117 Resp: 191898
Ion Ratio Lower Upper
117 100
82 57.5 48.2 72.4
119 31.3 25.8 38.8



#68
m/p-Xylenes
Concen: 1.271 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

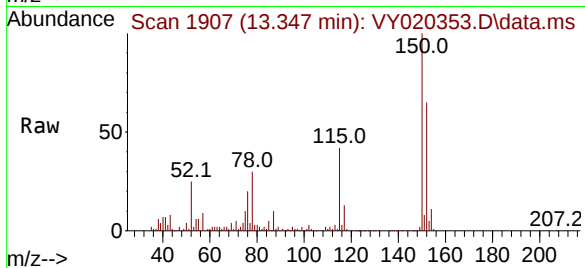
Tgt Ion:106 Resp: 3615
Ion Ratio Lower Upper
106 100
91 203.4 166.0 249.0



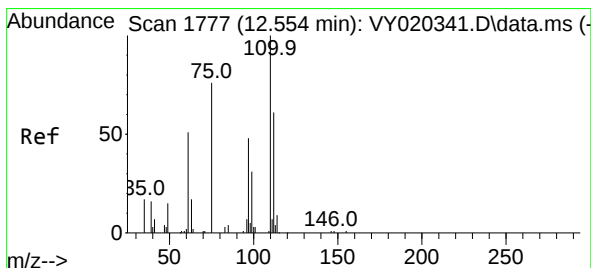
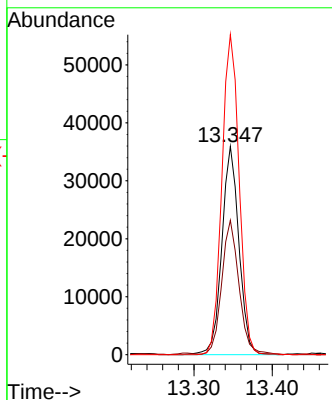
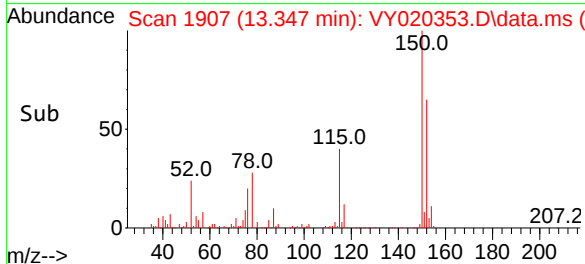


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :

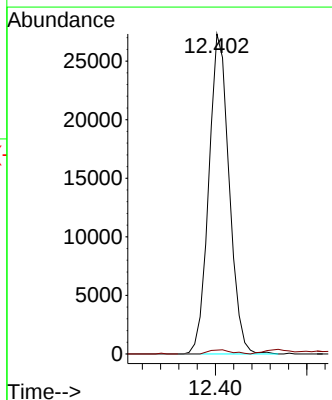
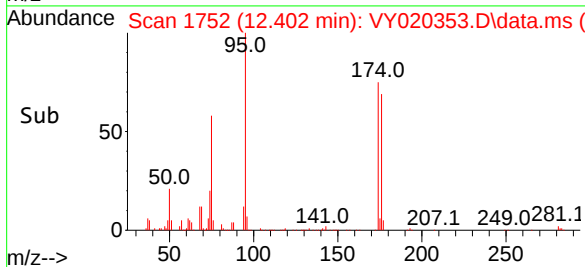
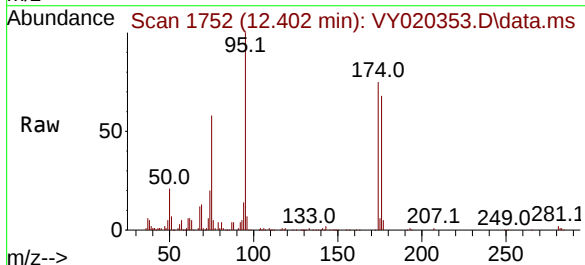


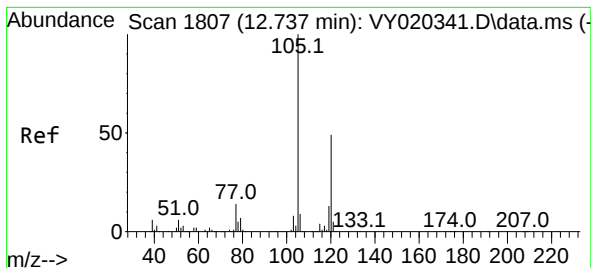
Tgt Ion:152 Resp: 54461
Ion Ratio Lower Upper
152 100
115 65.5 30.0 90.0
150 154.8 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 82.116 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Tgt Ion: 75 Resp: 42151
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 2.334 ug/l

RT: 12.737 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY020353.D

Acq: 20 Nov 2024 12:44

Instrument :

MSVOA_Y

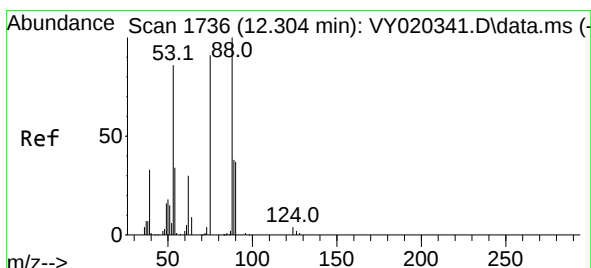
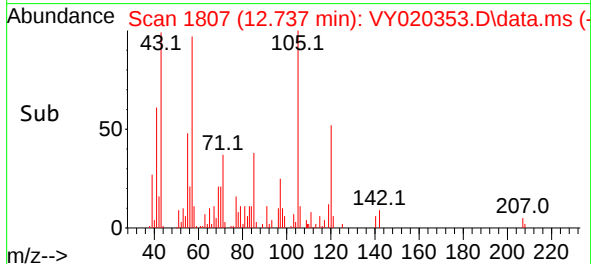
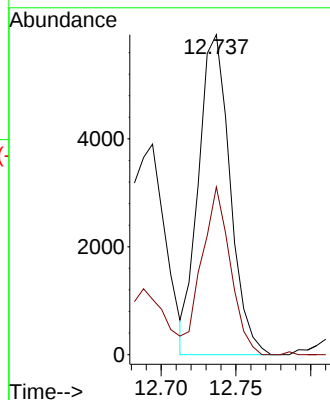
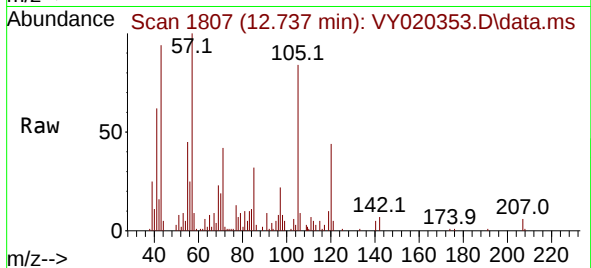
ClientSampleId :

Tgt Ion:105 Resp: 8701

Ion Ratio Lower Upper

105 100

120 47.5 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 160.902 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY020353.D

Acq: 20 Nov 2024 12:44

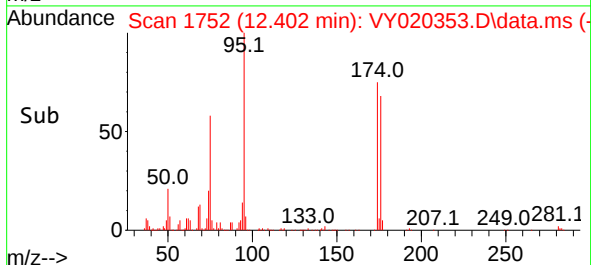
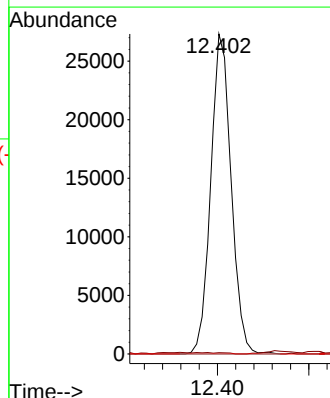
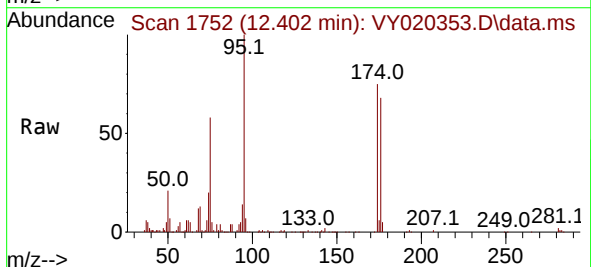
Tgt Ion: 75 Resp: 42151

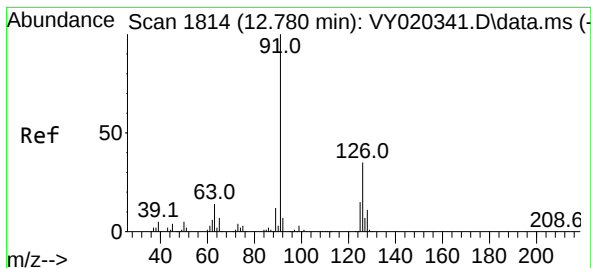
Ion Ratio Lower Upper

75 100

53 0.0 81.1 121.7#

89 0.0 35.1 52.7#

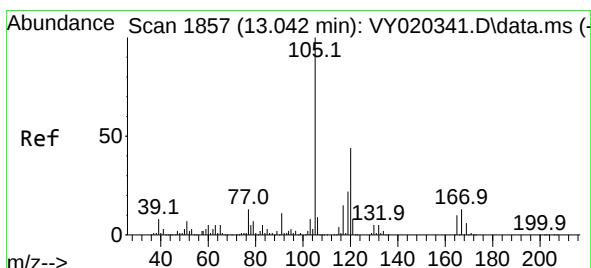
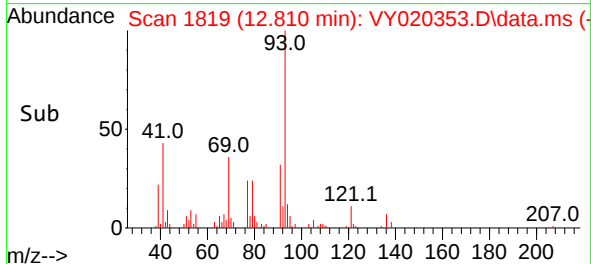
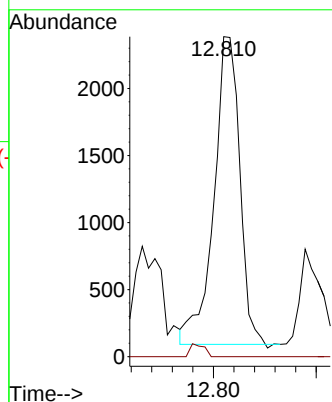
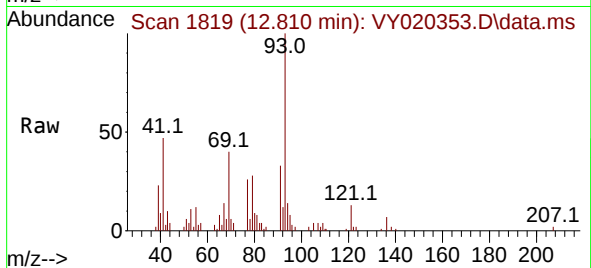




#82
4-Chlorotoluene
Concen: 1.214 ug/l
RT: 12.810 min Scan# 1819
Delta R.T. 0.030 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

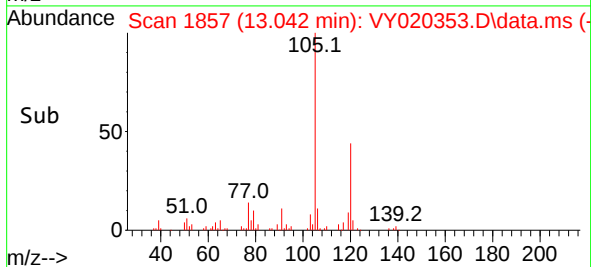
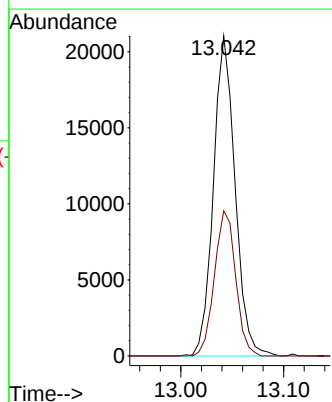
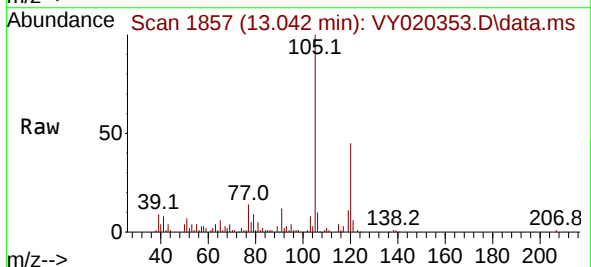
Instrument :
MSVOA_Y
ClientSampleId :

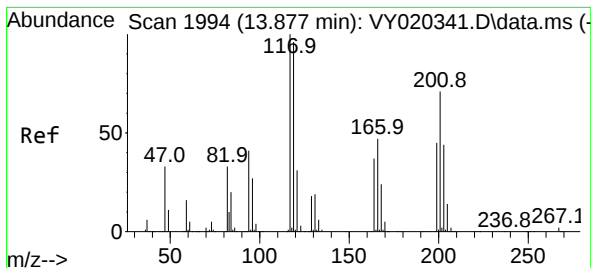
Tgt Ion: 91 Resp: 3990
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#



#84
1,2,4-Trimethylbenzene
Concen: 8.339 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY020353.D
Acq: 20 Nov 2024 12:44

Tgt Ion: 105 Resp: 30826
Ion Ratio Lower Upper
105 100
120 44.5 22.0 66.0





#90

Hexachloroethane

Concen: 1.659 ug/l

RT: 13.895 min Scan# 1997

Delta R.T. 0.018 min

Lab File: VY020353.D

Acq: 20 Nov 2024 12:44

Instrument :

MSVOA_Y

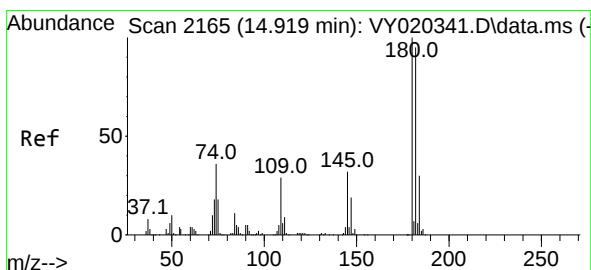
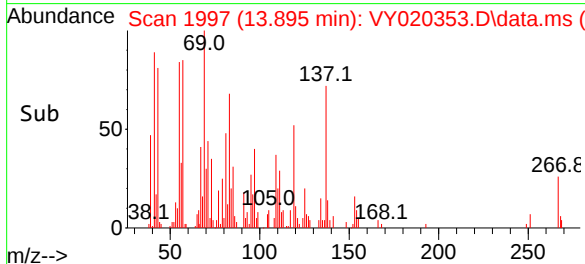
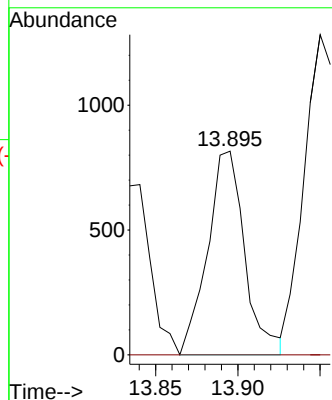
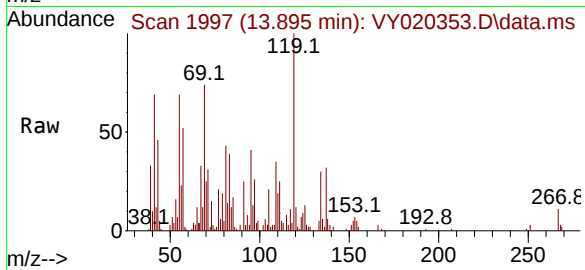
ClientSampleId :

Tgt Ion:117 Resp: 1284

Ion Ratio Lower Upper

117 100

201 0.0 37.1 111.3#



#93

1,2,4-Trichlorobenzene

Concen: 1.149 ug/l

RT: 14.926 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY020353.D

Acq: 20 Nov 2024 12:44

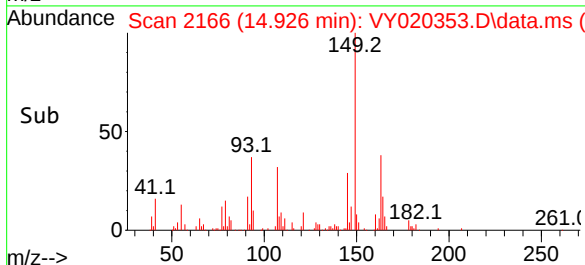
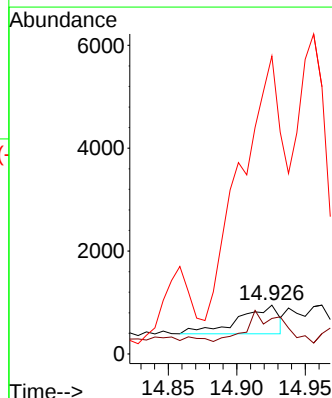
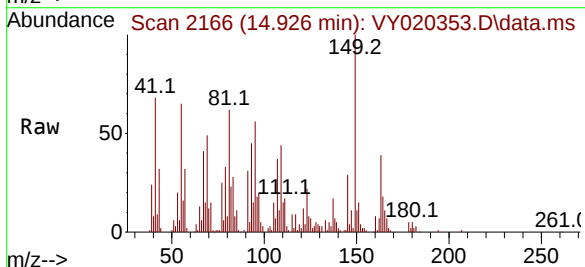
Tgt Ion:180 Resp: 1131

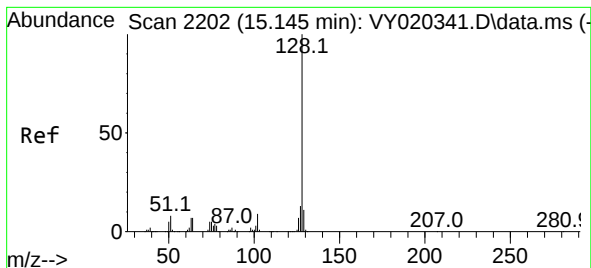
Ion Ratio Lower Upper

180 100

182 102.9 47.6 142.8

145 1179.3 15.8 47.3#





#95

Naphthalene

Concen: 7.969 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY020353.D

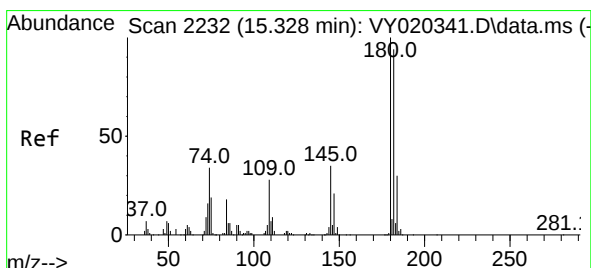
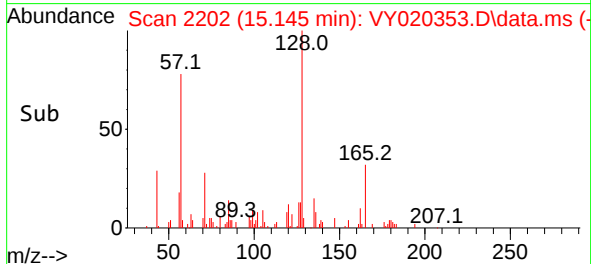
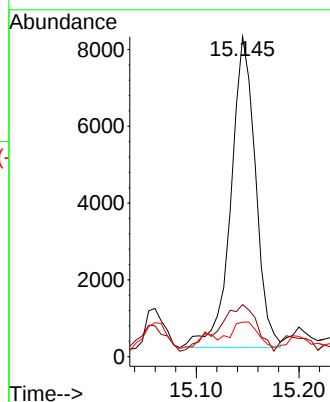
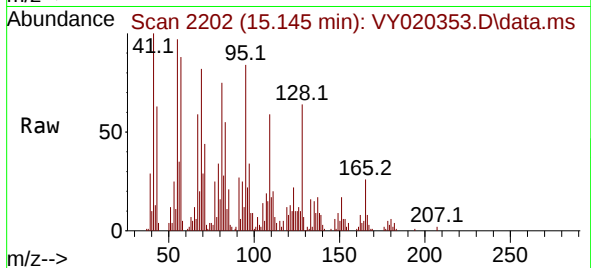
Acq: 20 Nov 2024 12:44

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	13513
Ion Ratio	Lower	Upper
128	100	
127	23.3	10.5 15.7#
129	8.8	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.731 ug/l

RT: 15.352 min Scan# 2236

Delta R.T. 0.024 min

Lab File: VY020353.D

Acq: 20 Nov 2024 12:44

Tgt Ion:180	Resp:	2299
Ion Ratio	Lower	Upper
180	100	
182	27.5	47.4 142.3#
145	0.0	16.9 50.6#

