

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121224\
 Data File : VY020595.D
 Acq On : 12 Dec 2024 12:44
 Operator : SY/MD
 Sample : P5244-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 13 05:42:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	175459	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	305438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	263717	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	111053	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103078	57.765	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.520%	
35) Dibromofluoromethane	7.640	113	98077	51.005	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.020%	
50) Toluene-d8	10.109	98	372171	50.829	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	12.408	95	120389	47.012	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 94.020%	

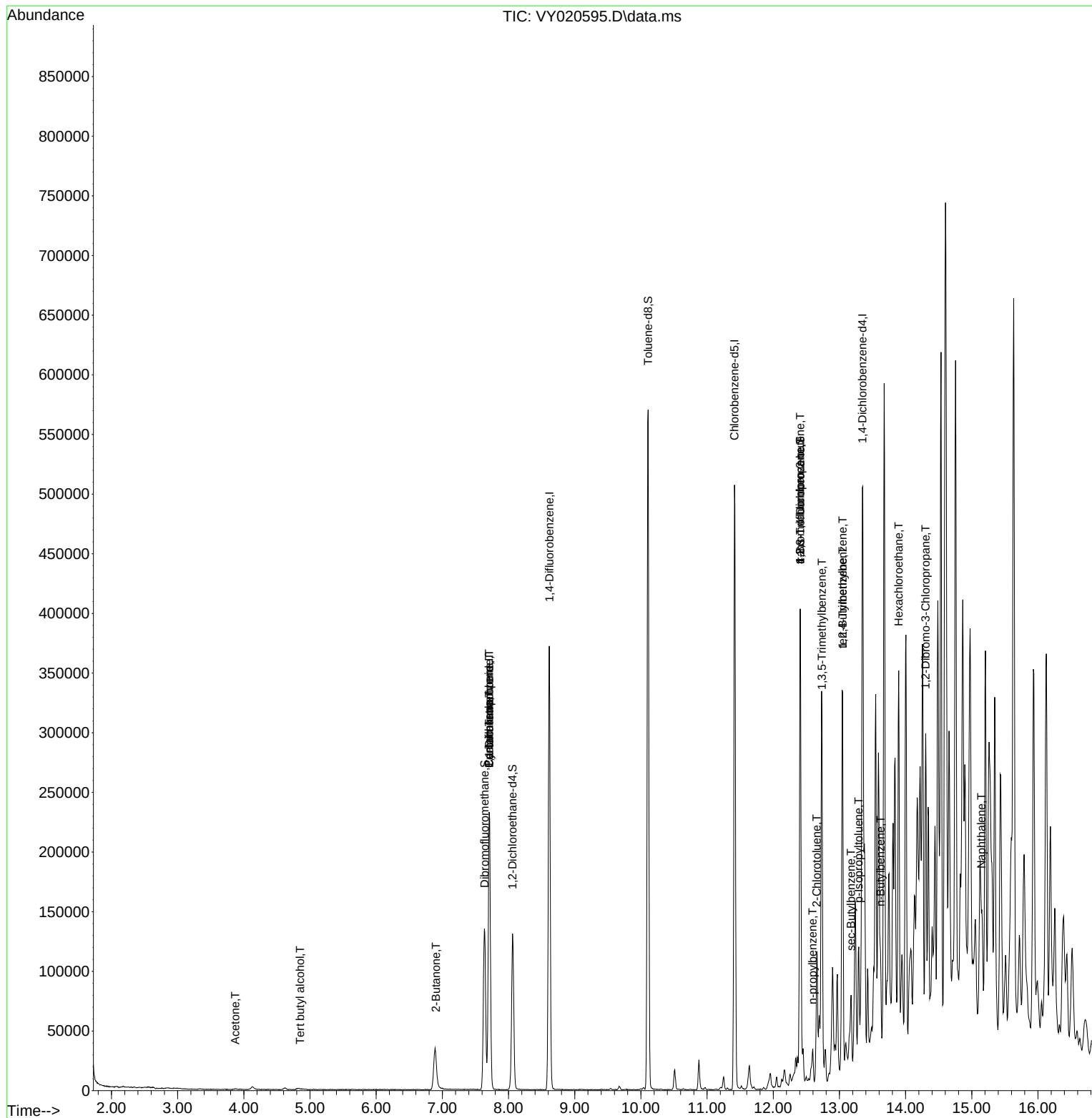
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.848	59	1124	9.710	ug/l #	73
16) Acetone	3.873	43	1012	2.281	ug/l #	72
25) 2-Butanone	6.903	43	2044	3.648	ug/l #	88
31) Cyclohexane	7.707	56	4022	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	14454	4.451	ug/l #	51
38) Carbon Tetrachloride	7.707	117	17979	4.639	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	65082	57.530	ug/l #	100
78) n-propylbenzene	12.597	91	21002	1.651	ug/l	100
79) 2-Chlorotoluene	12.658	91	8625	1.201	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.737	105	33271	3.864	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.408	75	65082	118.042	ug/l #	10
83) tert-Butylbenzene	13.048	119	20213	2.596	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.048	105	166412	19.884	ug/l	99
85) sec-Butylbenzene	13.176	105	29031	2.602	ug/l	92
86) p-Isopropyltoluene	13.292	119	19348	2.099	ug/l	98
89) n-Butylbenzene	13.621	91	32454	3.795	ug/l #	73
90) Hexachloroethane	13.895	117	13012	7.242	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.304	75	657	2.809	ug/l #	14
95) Naphthalene	15.145	128	35514	10.725	ug/l #	91

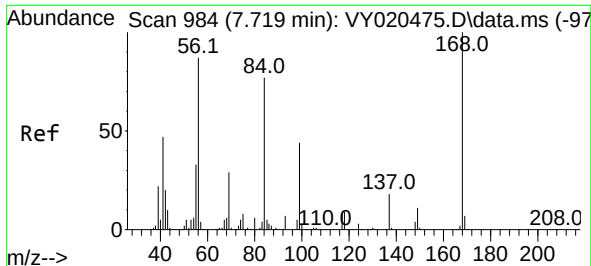
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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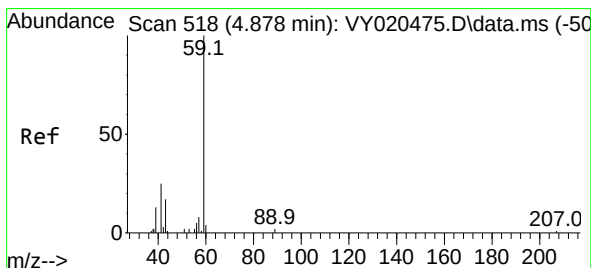
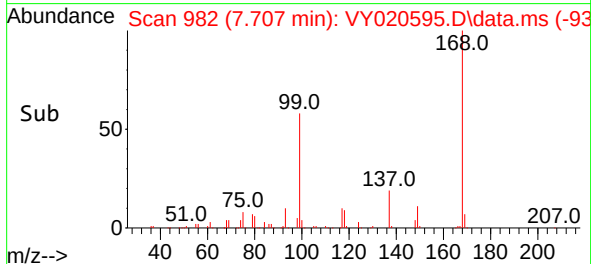
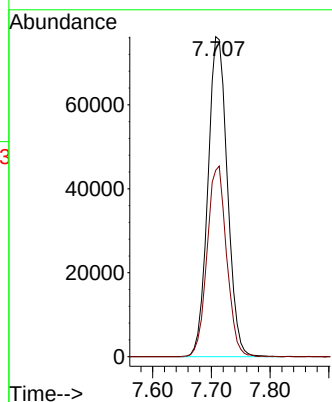
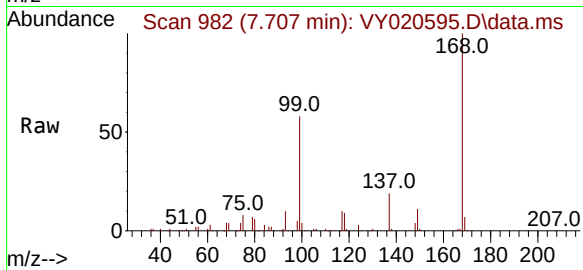




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

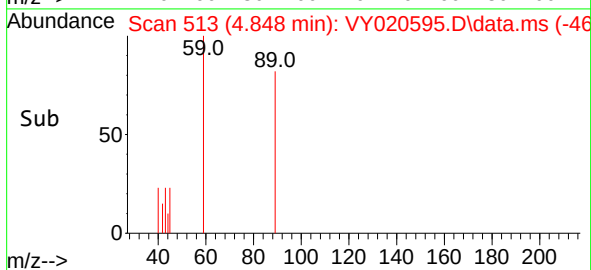
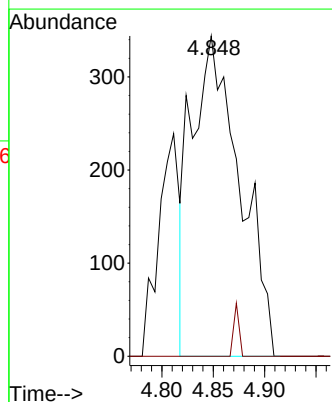
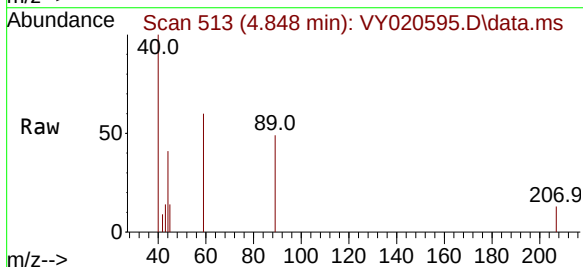
Instrument :
MSVOA_Y
ClientSampleId :

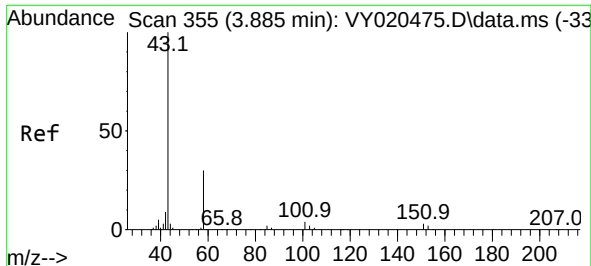
Tgt Ion:168 Resp: 175459
Ion Ratio Lower Upper
168 100
99 58.2 46.6 69.8



#11
Tert butyl alcohol
Concen: 9.710 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

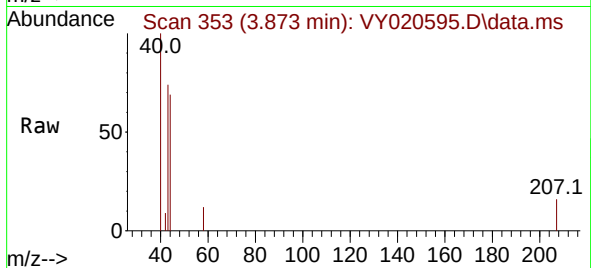
Tgt Ion: 59 Resp: 1124
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



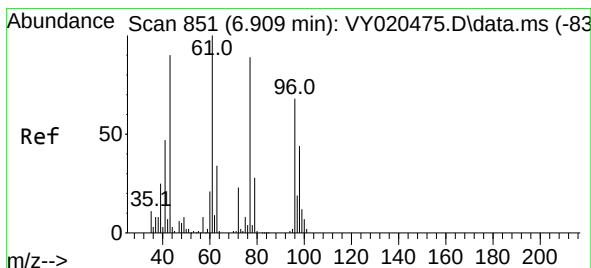
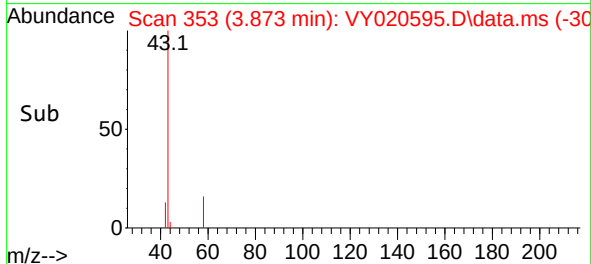
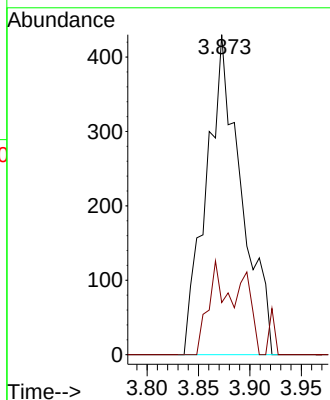


#16
Acetone
Concen: 2.281 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :

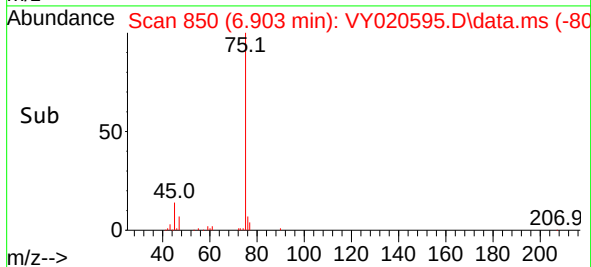
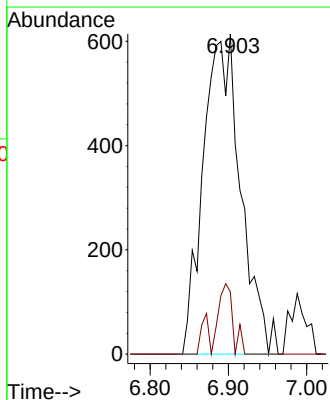
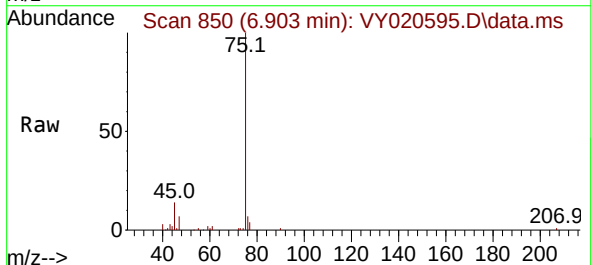


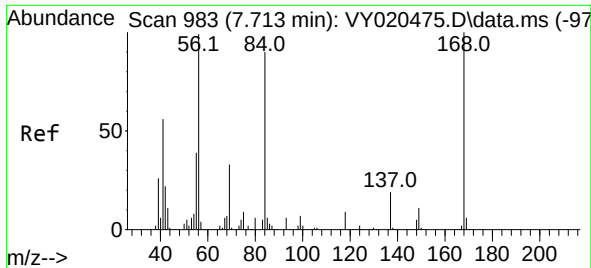
Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
58 16.3 25.7 38.5#



#25
2-Butanone
Concen: 3.648 ug/l
RT: 6.903 min Scan# 850
Delta R.T. -0.006 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

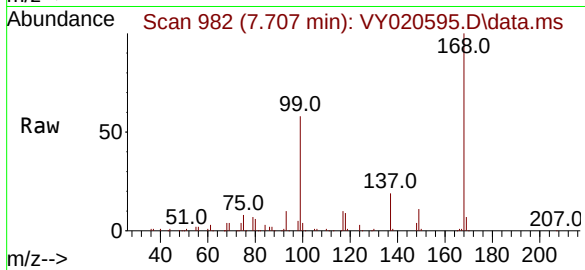
Tgt Ion: 43 Resp: 2044
Ion Ratio Lower Upper
43 100
72 19.4 20.4 30.6#



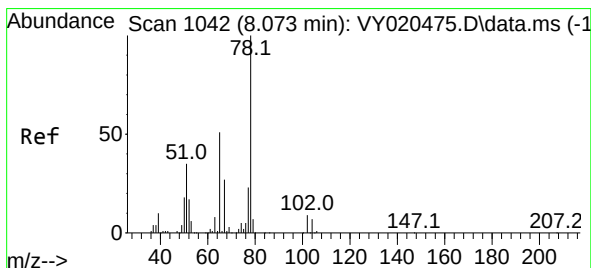
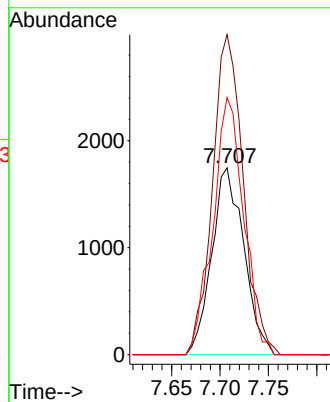
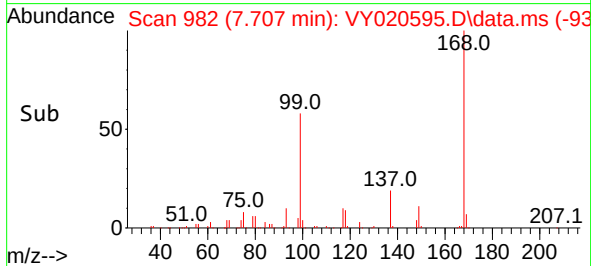


#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :

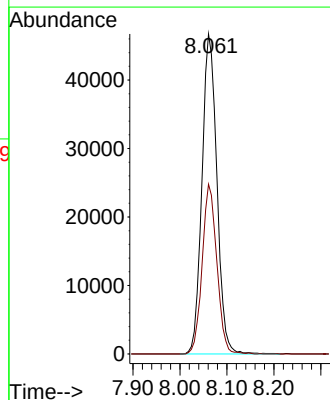
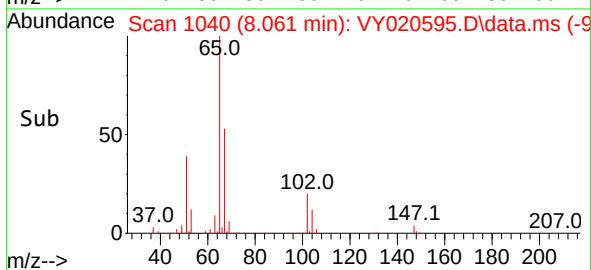
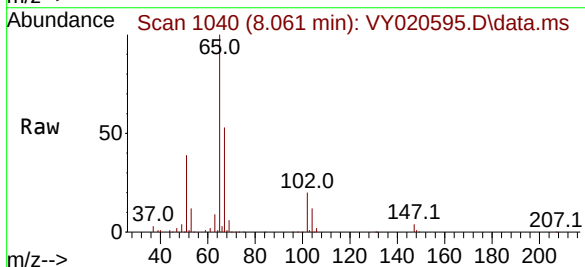


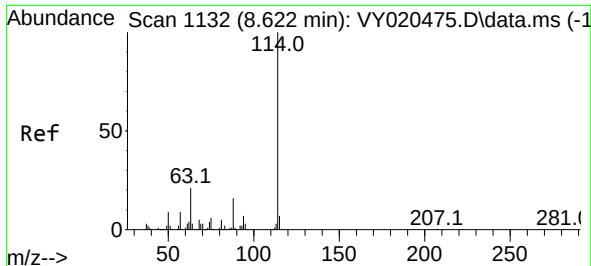
Tgt Ion: 56 Resp: 4022
Ion Ratio Lower Upper
56 100
69 171.3 25.3 37.9#
84 137.7 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 57.765 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

Tgt Ion: 65 Resp: 103078
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.8

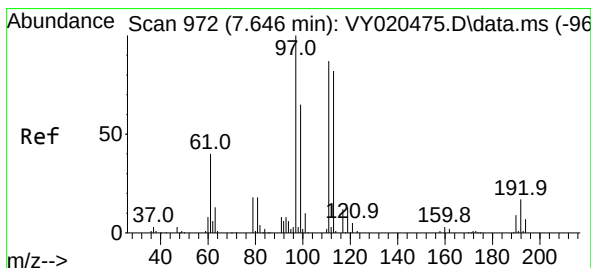
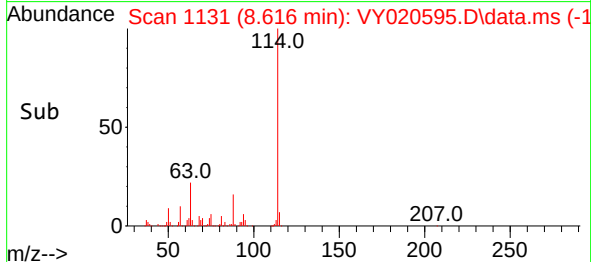
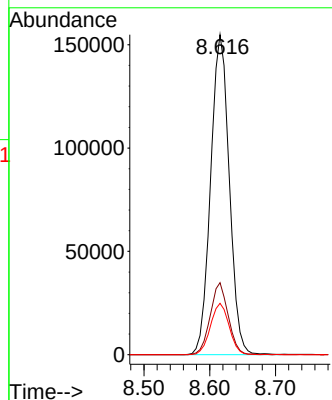
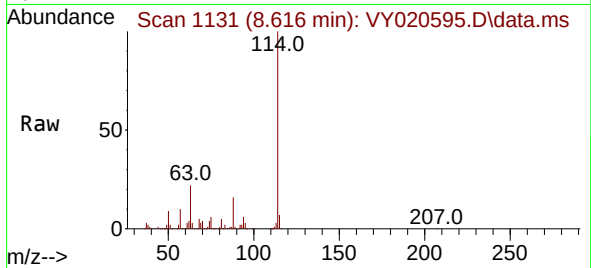




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

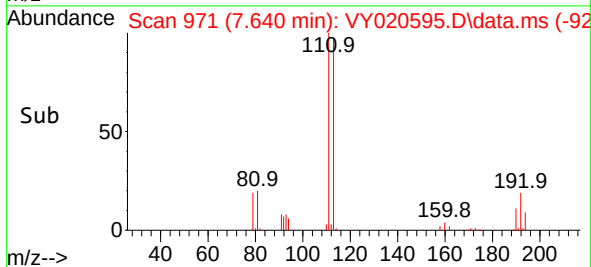
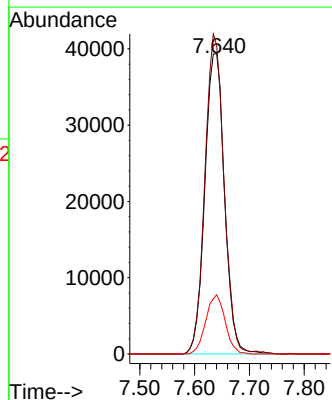
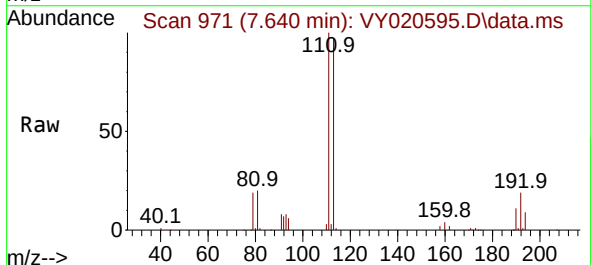
Instrument :
MSVOA_Y
ClientSampleId :

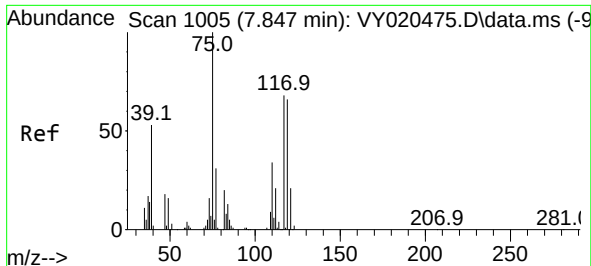
Tgt Ion:114 Resp: 305438
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.8
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.005 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.006 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

Tgt Ion:113 Resp: 98077
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 19.3 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.451 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.140 min

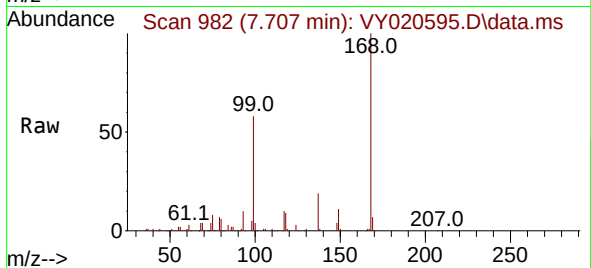
Lab File: VY020595.D

Acq: 12 Dec 2024 12:44

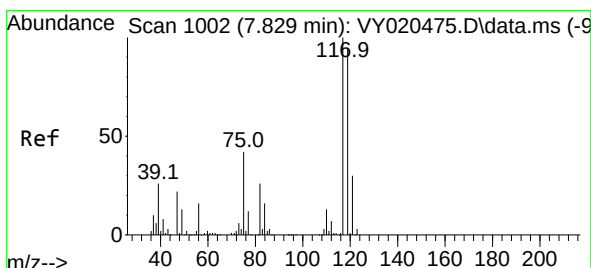
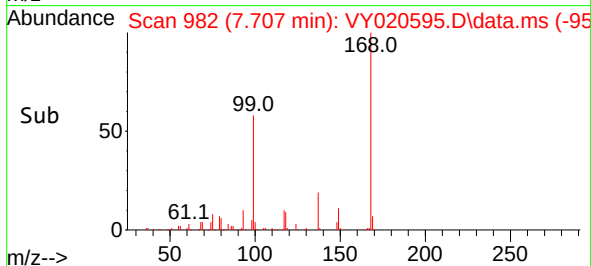
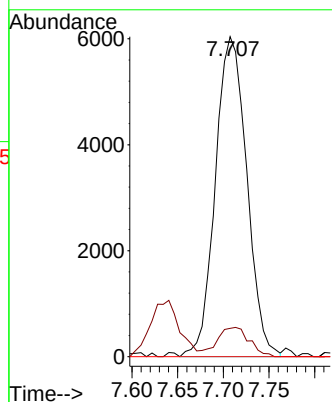
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 14454
Ion Ratio	Lower Upper
75 100	
110 9.2	16.7 50.0#
77 0.0	24.6 36.8#



#38

Carbon Tetrachloride

Concen: 4.639 ug/l

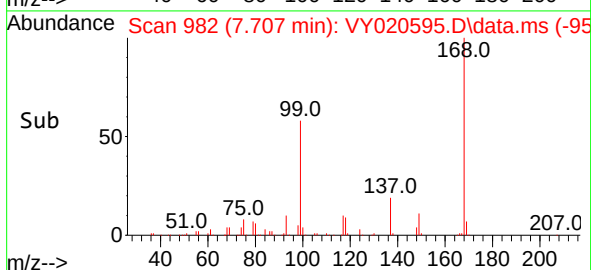
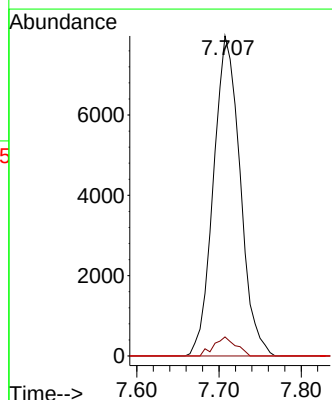
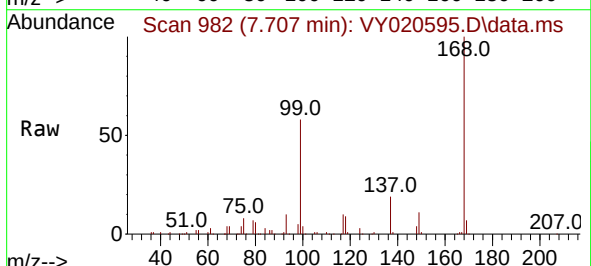
RT: 7.707 min Scan# 982

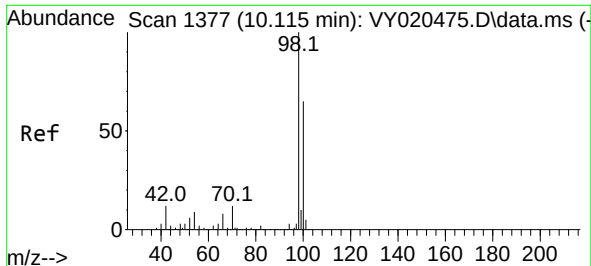
Delta R.T. -0.122 min

Lab File: VY020595.D

Acq: 12 Dec 2024 12:44

Tgt Ion: 117	Resp: 17979
Ion Ratio	Lower Upper
117 100	
119 5.9	77.8 116.6#
121 0.0	24.6 37.0#

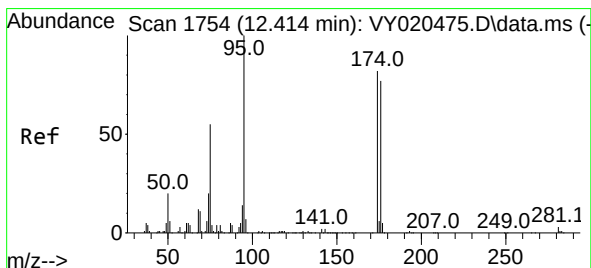
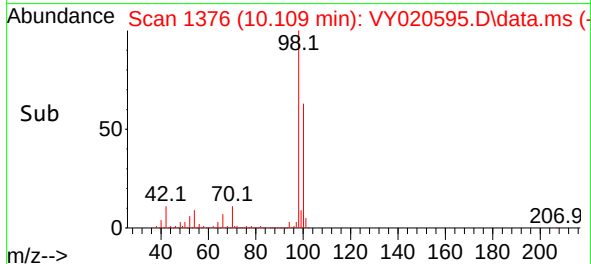
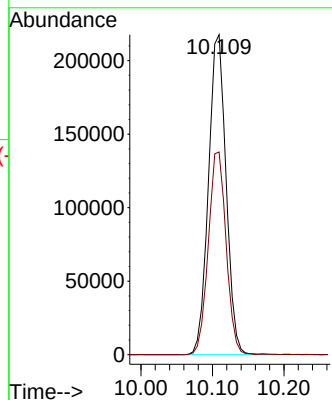
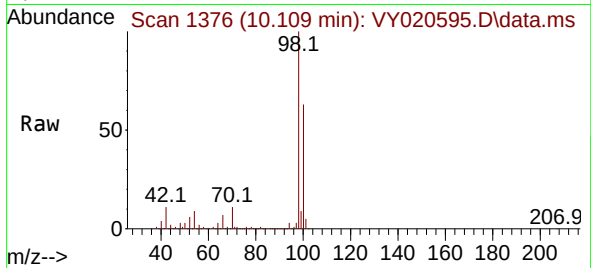




#50
Toluene-d8
Concen: 50.829 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

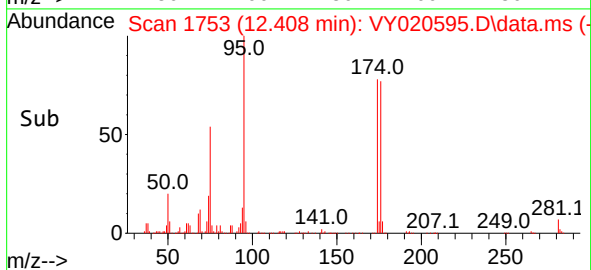
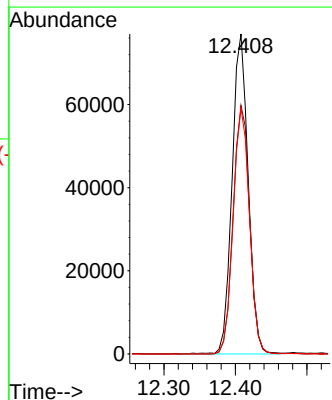
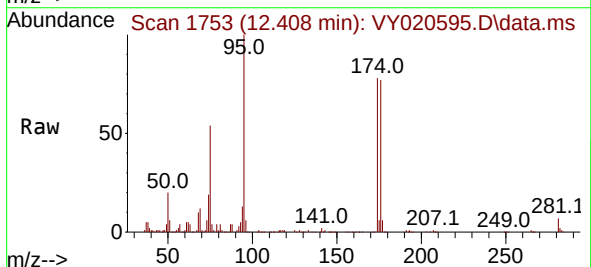
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MSVOA_Y
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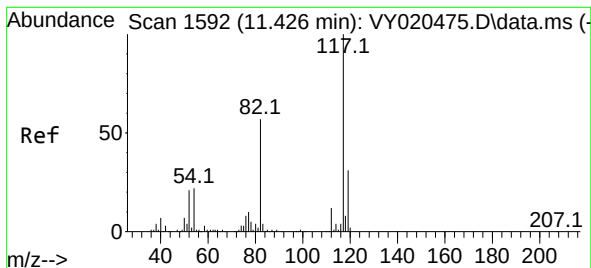
Tgt Ion: 98 Resp: 372171
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 47.012 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

Tgt Ion: 95 Resp: 120389
Ion Ratio Lower Upper
95 100
174 79.6 0.0 156.8
176 77.6 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY020595.D

Acq: 12 Dec 2024 12:44

Instrument :

MSVOA_Y

ClientSampleId :

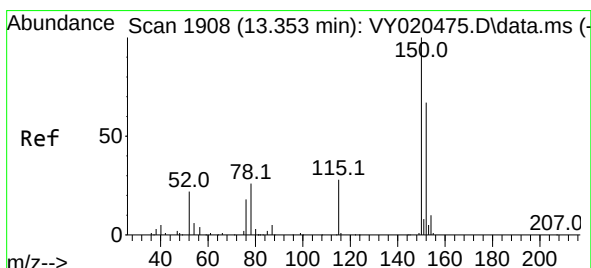
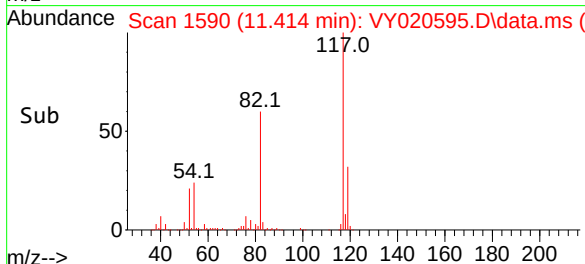
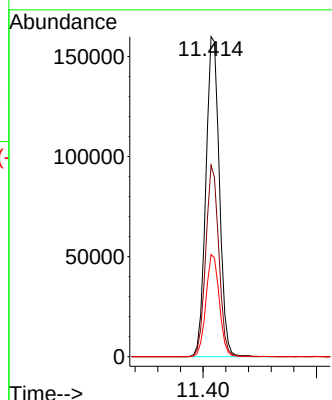
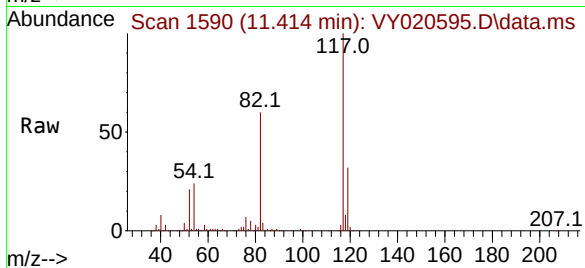
Tgt Ion:117 Resp: 263717

Ion Ratio Lower Upper

117 100

82 59.8 48.2 72.4

119 31.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY020595.D

Acq: 12 Dec 2024 12:44

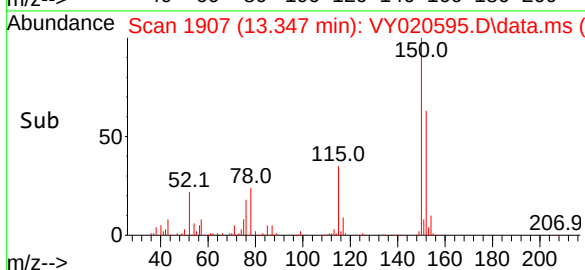
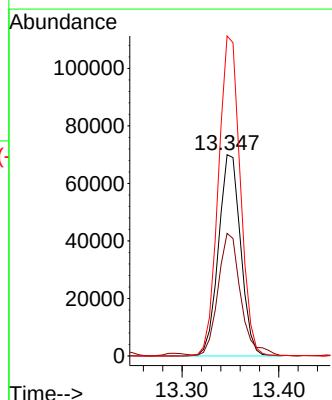
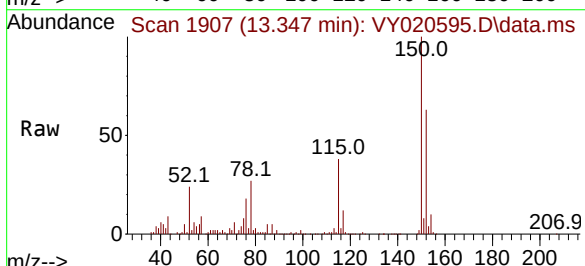
Tgt Ion:152 Resp: 111053

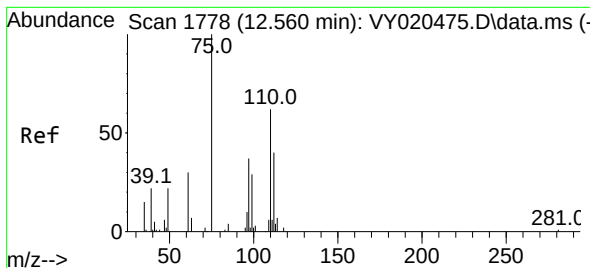
Ion Ratio Lower Upper

152 100

115 62.2 30.0 90.0

150 157.0 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 57.530 ug/l

RT: 12.408 min Scan# 11

Delta R.T. -0.152 min

Lab File: VY020595.D

Acq: 12 Dec 2024 12:44

Instrument :

MSVOA_Y

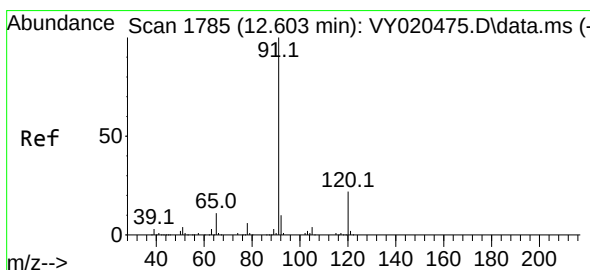
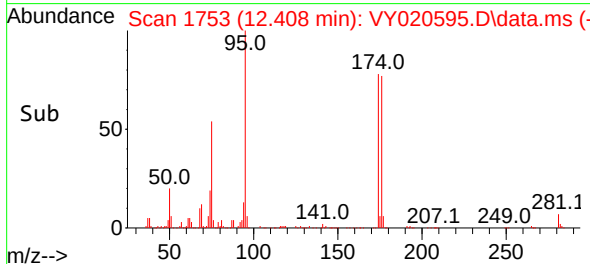
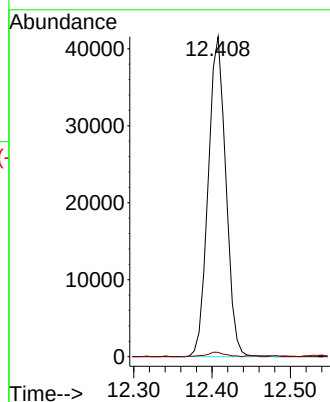
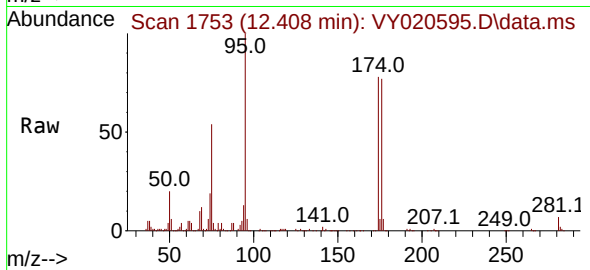
ClientSampleId :

Tgt Ion: 75 Resp: 65082

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#78

n-propylbenzene

Concen: 1.651 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VY020595.D

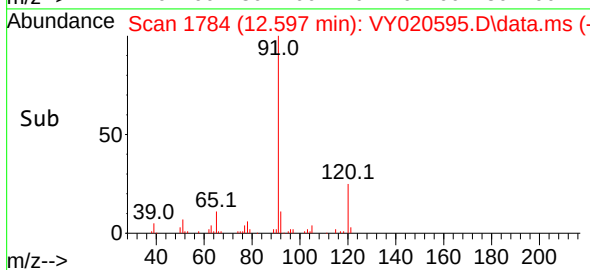
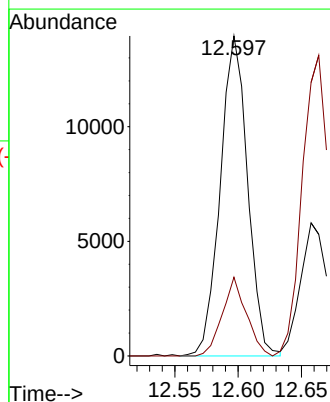
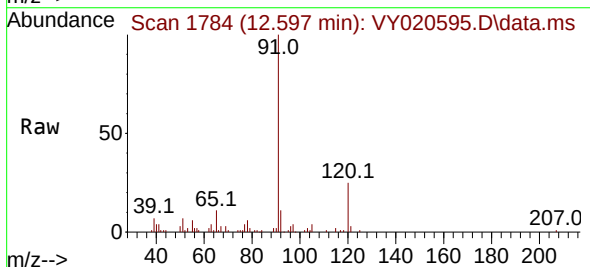
Acq: 12 Dec 2024 12:44

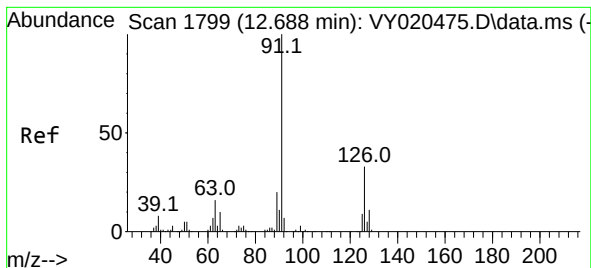
Tgt Ion: 91 Resp: 21002

Ion Ratio Lower Upper

91 100

120 21.6 10.9 32.6





#79

2-Chlorotoluene

Concen: 1.201 ug/l

RT: 12.658 min Scan# 1

Delta R.T. -0.030 min

Lab File: VY020595.D

Acq: 12 Dec 2024 12:44

Instrument :

MSVOA_Y

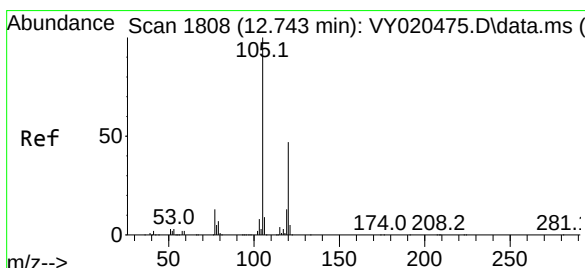
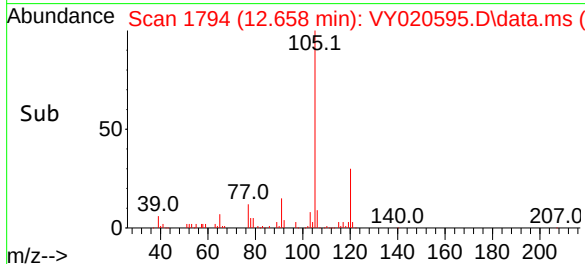
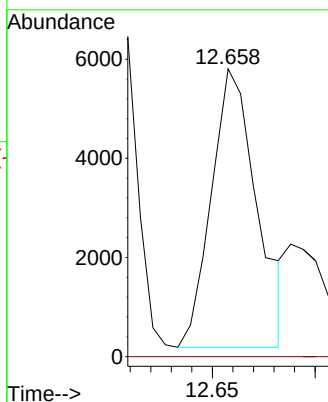
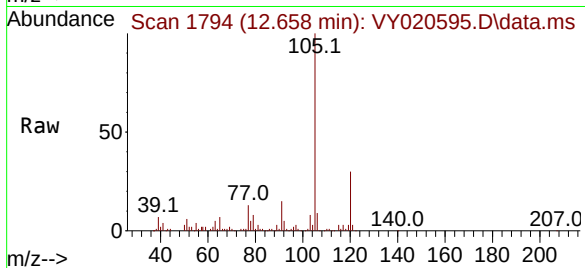
ClientSampleId :

Tgt Ion: 91 Resp: 8625

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



#80

1,3,5-Trimethylbenzene

Concen: 3.864 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.006 min

Lab File: VY020595.D

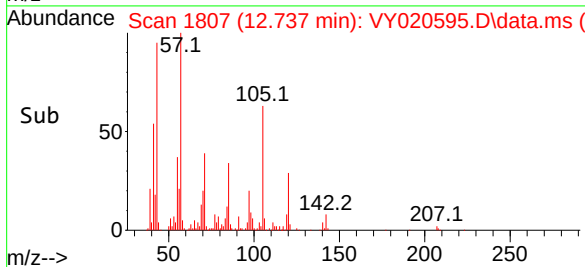
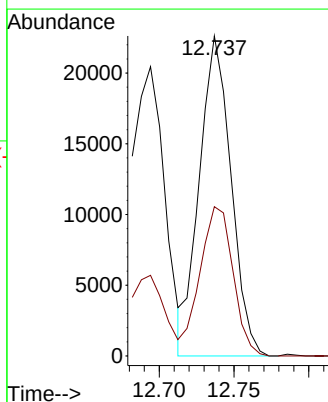
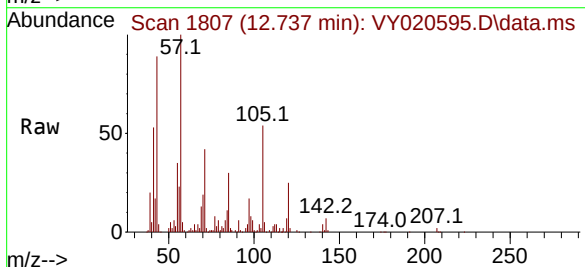
Acq: 12 Dec 2024 12:44

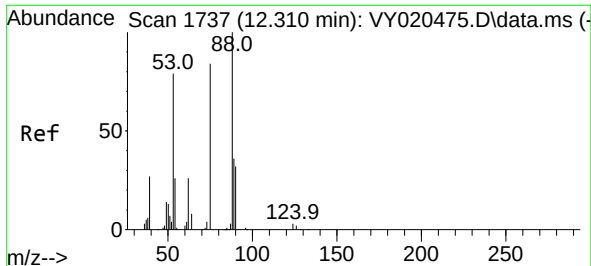
Tgt Ion: 105 Resp: 33271

Ion Ratio Lower Upper

105 100

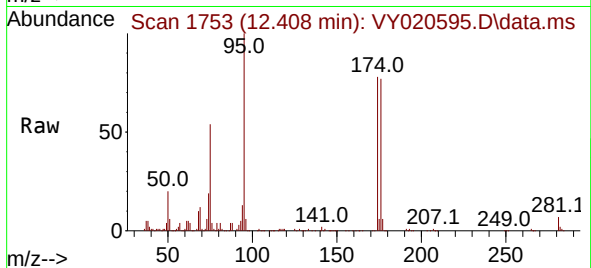
120 48.7 24.3 72.8



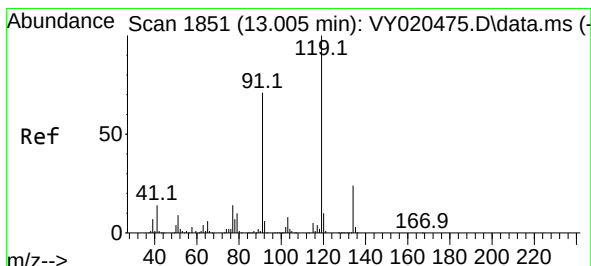
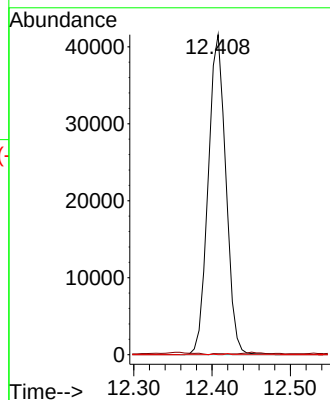
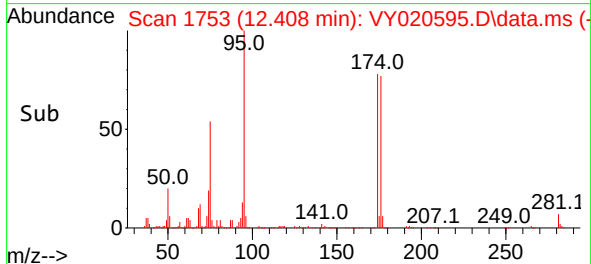


#81
trans-1,4-Dichloro-2-butene
Concen: 118.042 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

Instrument :
MSVOA_Y
ClientSampleId :

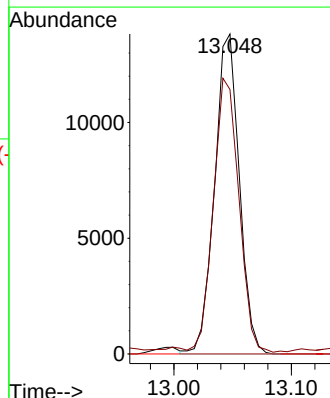
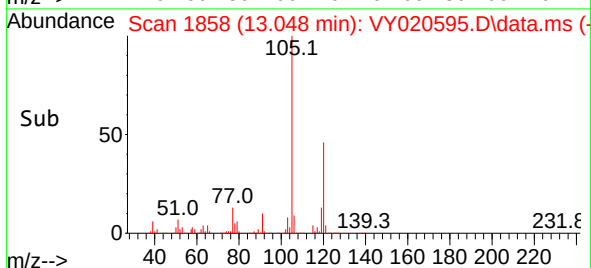
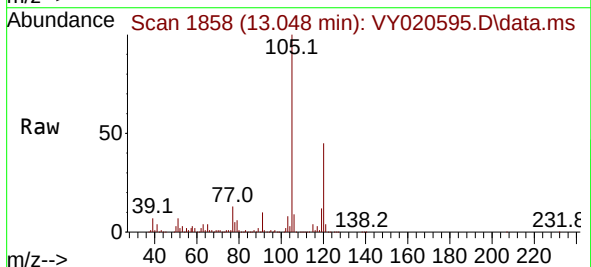


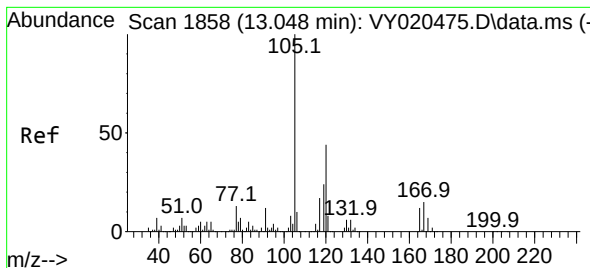
Tgt Ion: 75 Resp: 65082
Ion Ratio Lower Upper
75 100
53 0.3 81.1 121.7#
89 0.1 35.1 52.7#



#83
tert-Butylbenzene
Concen: 2.596 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.043 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

Tgt Ion: 119 Resp: 20213
Ion Ratio Lower Upper
119 100
91 87.7 33.3 99.9
134 0.0 13.0 38.9#





#84

1,2,4-Trimethylbenzene

Concen: 19.884 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VY020595.D

Acq: 12 Dec 2024 12:44

Instrument :

MSVOA_Y

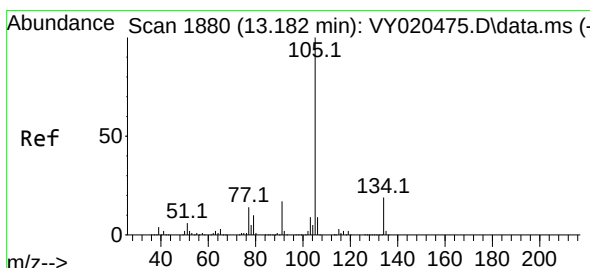
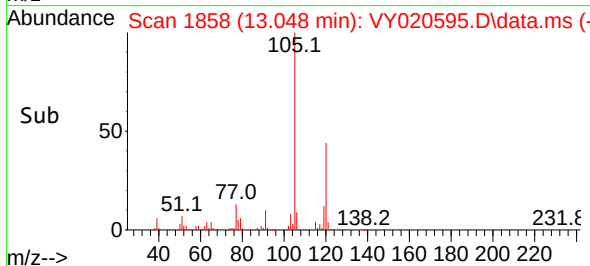
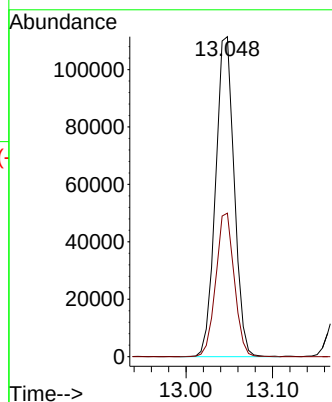
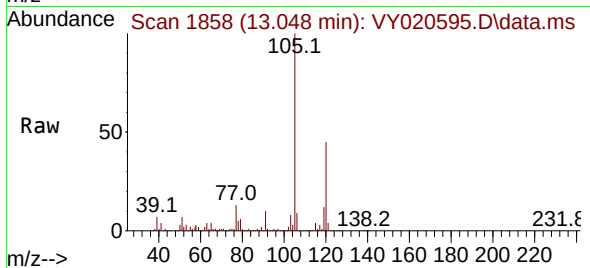
ClientSampleId :

Tgt Ion:105 Resp: 166412

Ion Ratio Lower Upper

105 100

120 44.5 22.0 66.0



#85

sec-Butylbenzene

Concen: 2.602 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.006 min

Lab File: VY020595.D

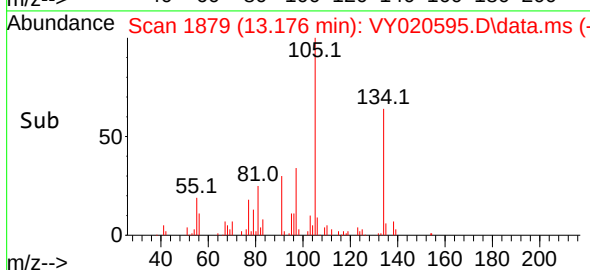
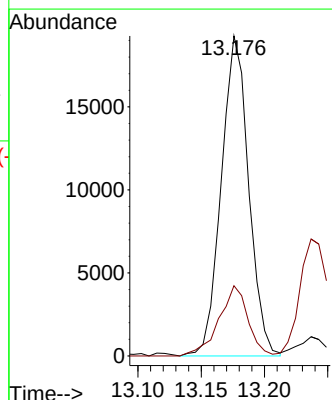
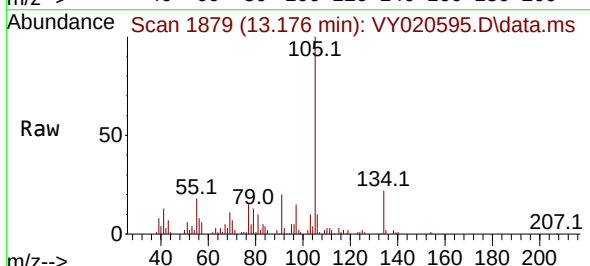
Acq: 12 Dec 2024 12:44

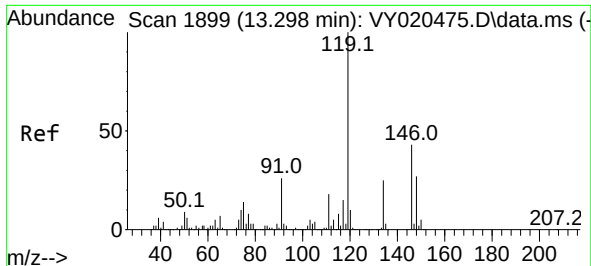
Tgt Ion:105 Resp: 29031

Ion Ratio Lower Upper

105 100

134 23.2 9.8 29.5

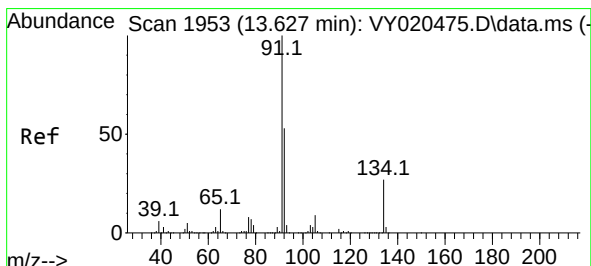
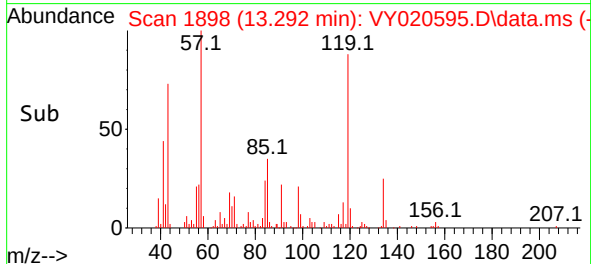
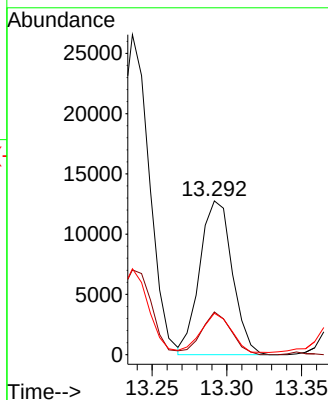
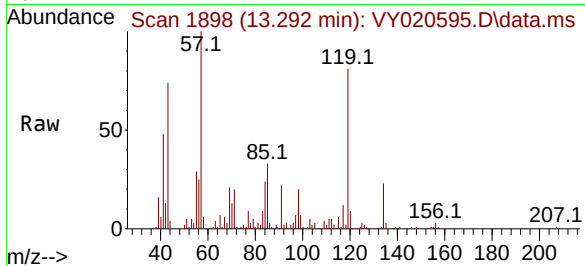




#86
p-Isopropyltoluene
Concen: 2.099 ug/l
RT: 13.292 min Scan# 119
Delta R.T. -0.006 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

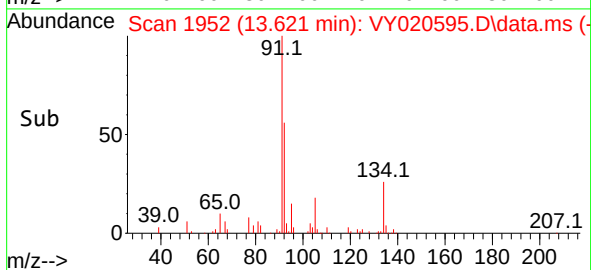
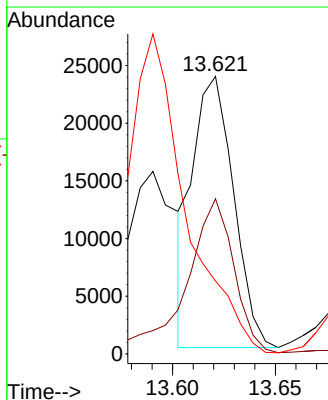
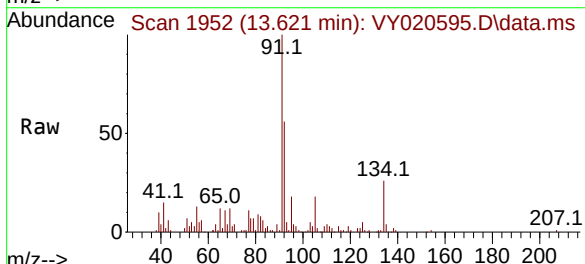
Instrument :
MSVOA_Y
ClientSampleId :

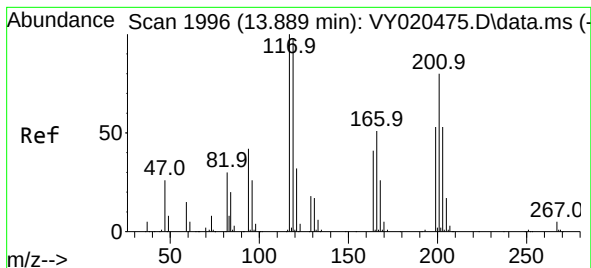
Tgt Ion:119	Resp:	19348
Ion Ratio	Lower	Upper
119	100	
134	25.2	12.8 38.4
91	23.0	12.3 36.8



#89
n-Butylbenzene
Concen: 3.795 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.006 min
Lab File: VY020595.D
Acq: 12 Dec 2024 12:44

Tgt Ion: 91	Resp:	32454
Ion Ratio	Lower	Upper
91	100	
92	65.2	26.5 79.5
134	0.0	12.2 36.4#





#90

Hexachloroethane

Concen: 7.242 ug/l

RT: 13.895 min Scan# 1996

Delta R.T. 0.006 min

Lab File: VY020595.D

Acq: 12 Dec 2024 12:44

Instrument :

MSVOA_Y

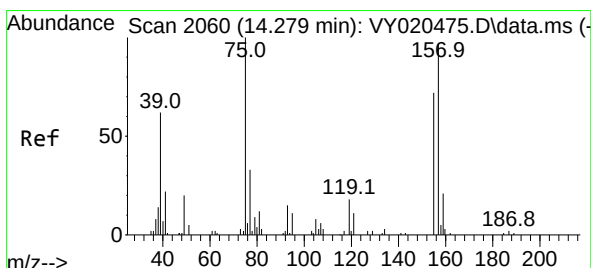
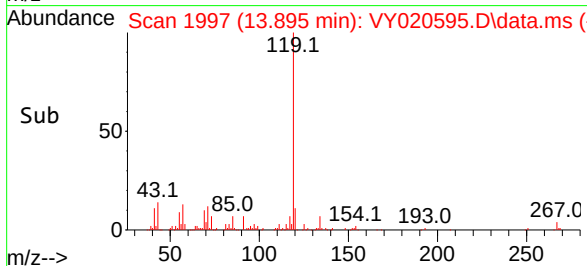
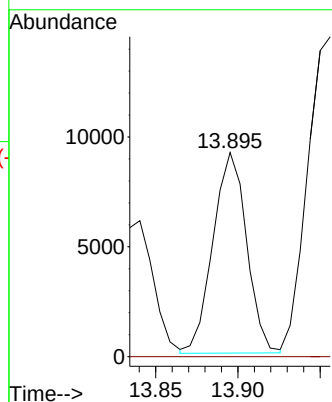
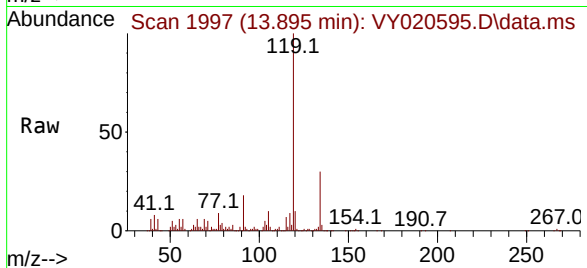
ClientSampleId :

Tgt Ion:117 Resp: 13012

Ion Ratio Lower Upper

117 100

201 0.0 37.1 111.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.809 ug/l

RT: 14.304 min Scan# 2064

Delta R.T. 0.024 min

Lab File: VY020595.D

Acq: 12 Dec 2024 12:44

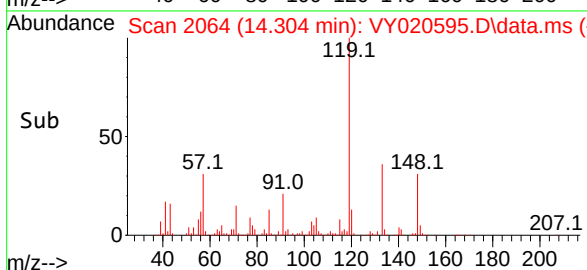
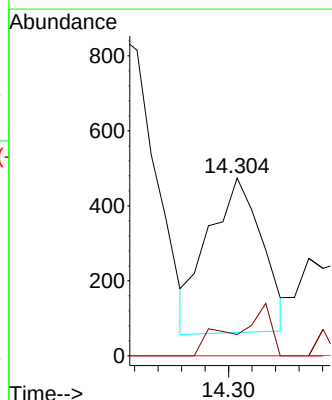
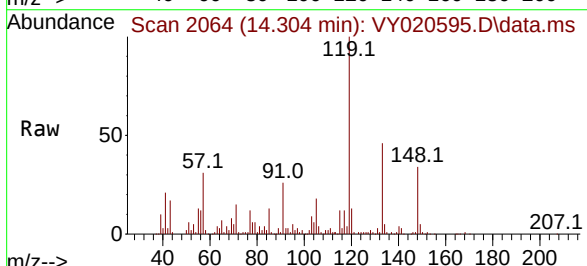
Tgt Ion: 75 Resp: 657

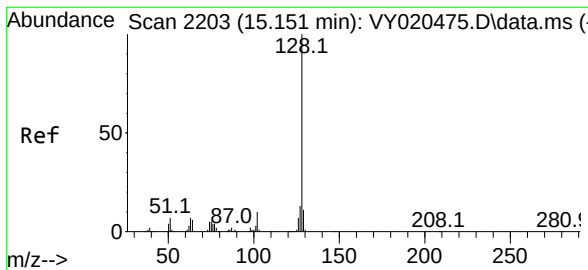
Ion Ratio Lower Upper

75 100

155 23.1 39.7 119.1#

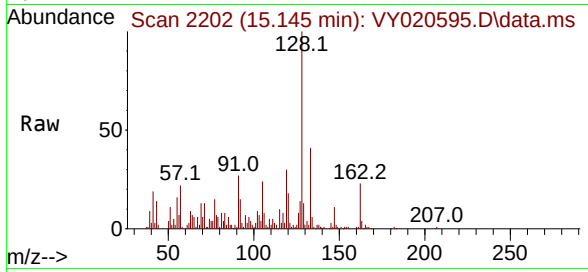
157 0.0 52.6 157.8#





#95
 Naphthalene
 Concen: 10.725 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY020595.D
 Acq: 12 Dec 2024 12:44

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	35514
Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.5	15.7
129	15.9	8.6	13.0

