

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010325\
 Data File : VY020771.D
 Acq On : 03 Jan 2025 15:51
 Operator : SY/MD
 Sample : Q1009-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

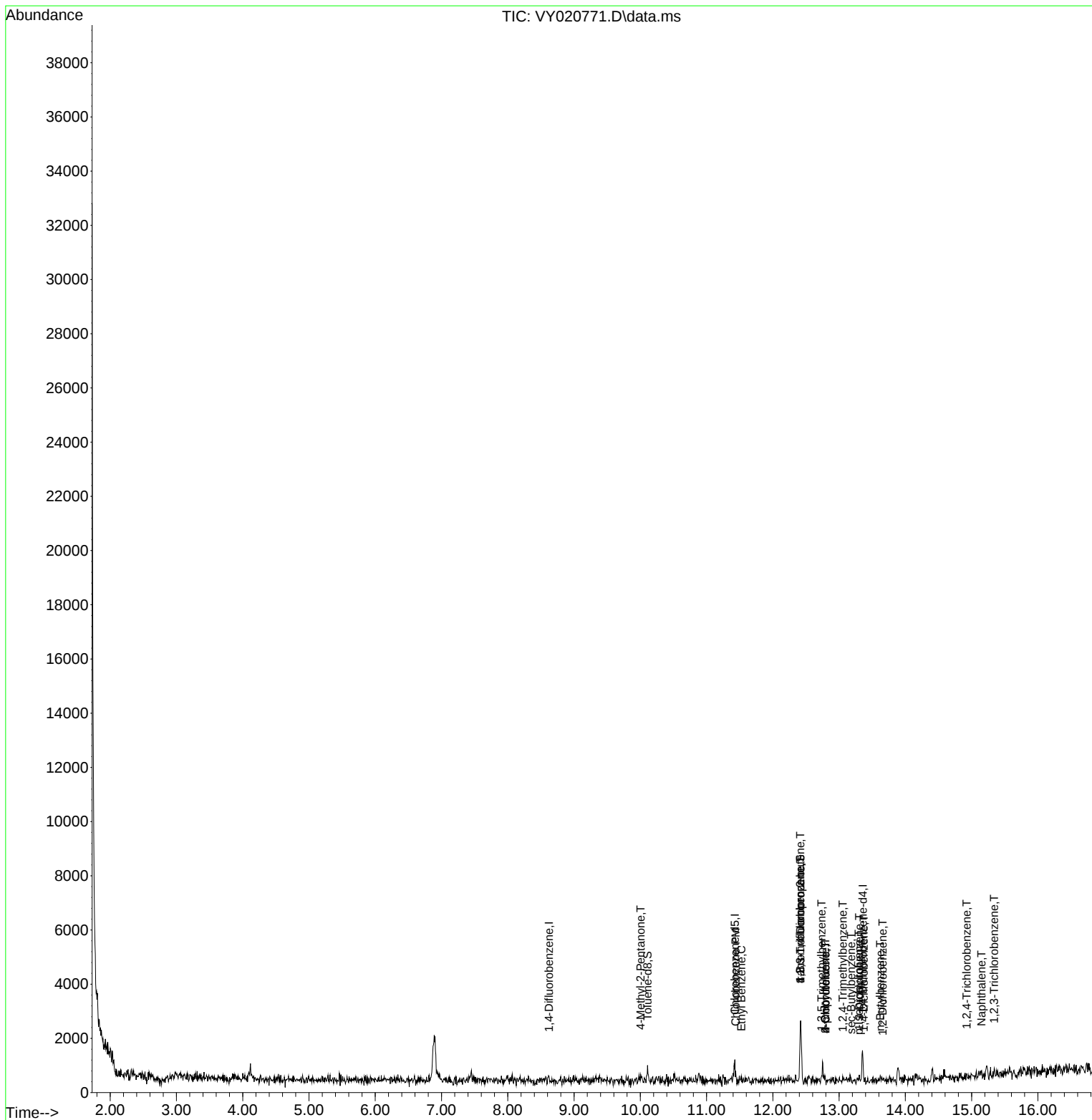
Quant Time: Jan 03 22:05:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

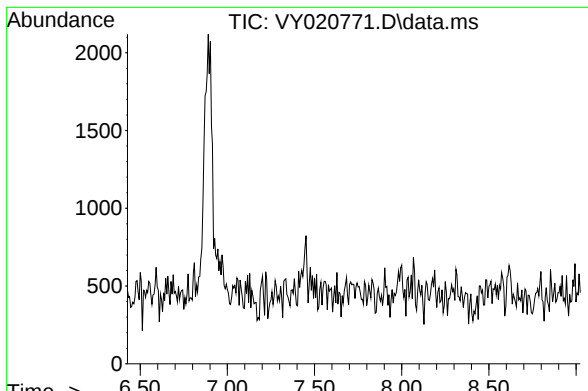
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.72
34) 1,4-Difluorobenzene	8.622	114	213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	576	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	339	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	46	0.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.109	98	373	78.915	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	157.840%#
62) 4-Bromofluorobenzene	12.414	95	273	175.092	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	350.180%#
Target Compounds						
					Qvalue	
51) 4-Methyl-2-Pentanone	10.006	43	112	213.768	ug/l #	32
65) Chlorobenzene	11.438	112	70	6.206	ug/l #	43
67) Ethyl Benzene	11.524	91	72	3.653	ug/l #	44
76) 1,2,3-Trichloropropane	12.414	75	125	57.975	ug/l #	100
78) n-propylbenzene	12.792	91	73	2.773	ug/l #	51
79) 2-Chlorotoluene	12.792	91	73	4.865	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.737	105	43	2.197	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.414	75	125	114.595	ug/l #	8
82) 4-Chlorotoluene	12.792	91	73	4.707	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.054	105	92	4.831	ug/l #	32
85) sec-Butylbenzene	13.182	105	41	1.665	ug/l #	55
86) p-Isopropyltoluene	13.298	119	91	4.146	ug/l #	49
87) 1,3-Dichlorobenzene	13.304	146	27	2.555	ug/l #	26
88) 1,4-Dichlorobenzene	13.371	146	23	2.188	ug/l #	24
89) n-Butylbenzene	13.621	91	32	1.747	ug/l #	62
91) 1,2-Dichlorobenzene	13.657	146	20	2.207	ug/l #	25
93) 1,2,4-Trichlorobenzene	14.925	180	25	4.341	ug/l #	1
95) Naphthalene	15.151	128	163	17.672	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.340	180	58	12.096	ug/l #	66

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

Quant Time: Jan 03 22:05:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration

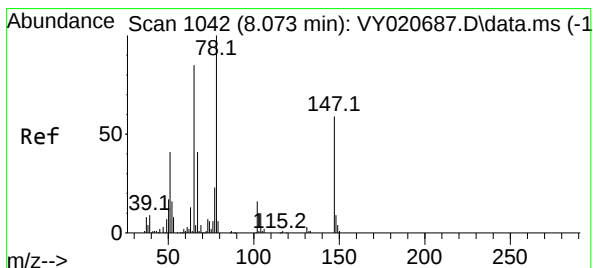
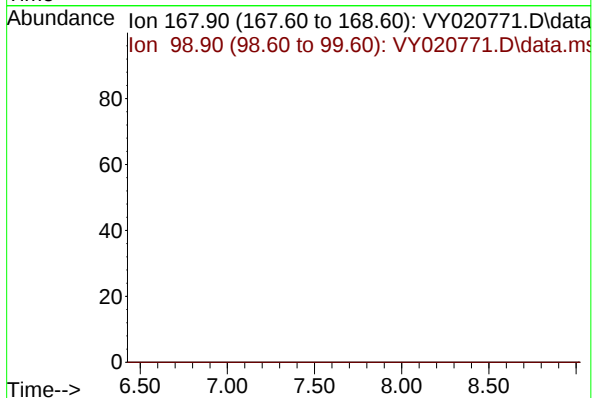




#1
 Pentafluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 7.72 min
 Lab File: VY020771.D
 Acq: 03 Jan 2025 15:51

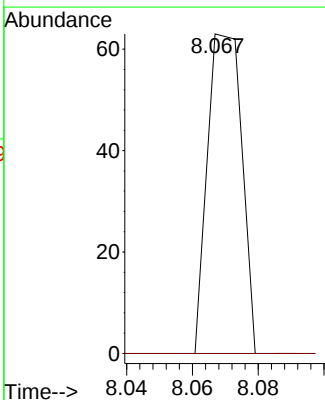
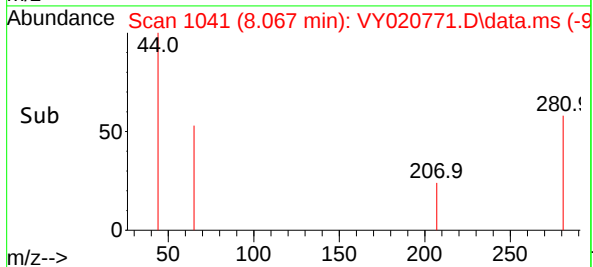
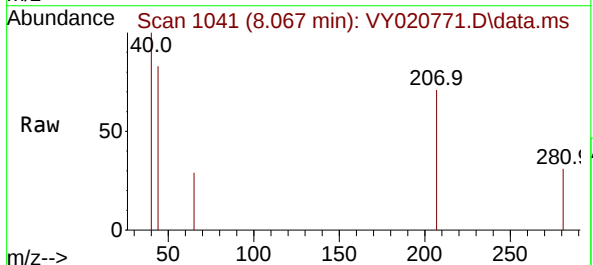
Instrument :
 MSVOA_Y
 ClientSampleId :

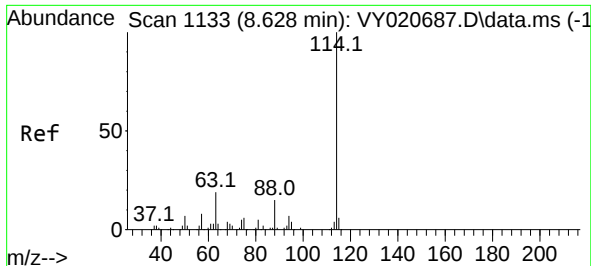
Tgt Ion: 168
 Sig Exp Ratio
 168 100
 99 54.7



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 8.067 min Scan# 1041
 Delta R.T. -0.006 min
 Lab File: VY020771.D
 Acq: 03 Jan 2025 15:51

Tgt Ion: 65 Resp: 46
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020771.D

Acq: 03 Jan 2025 15:51

Instrument :

MSVOA_Y

ClientSampleId :

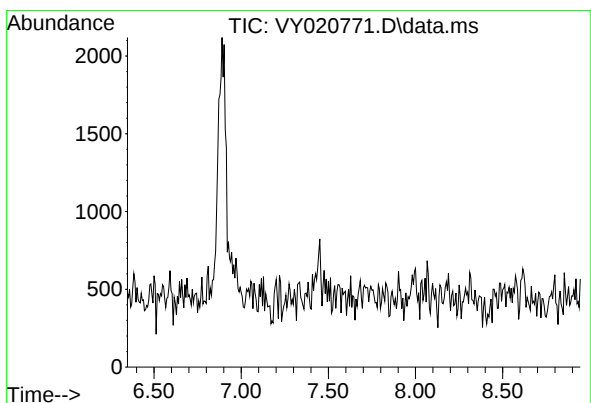
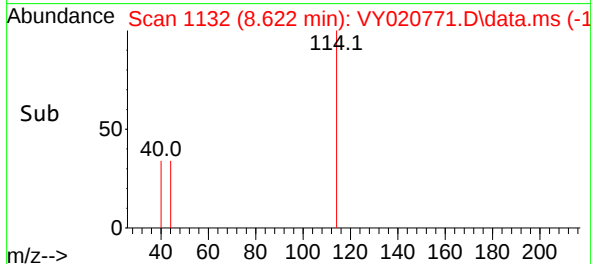
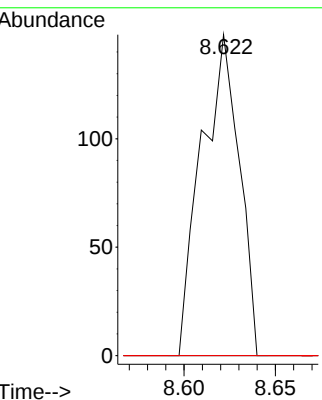
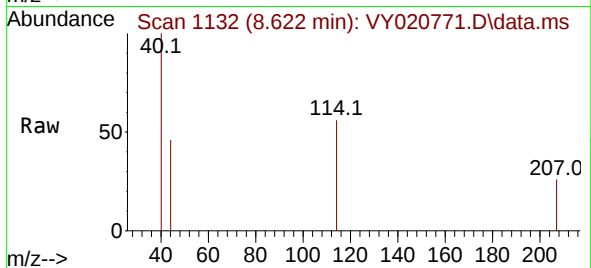
Tgt Ion:114 Resp: 213

Ion Ratio Lower Upper

114 100

63 0.0 0.0 38.4

88 0.0 0.0 30.4



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.65 min

Lab File: VY020771.D

Acq: 03 Jan 2025 15:51

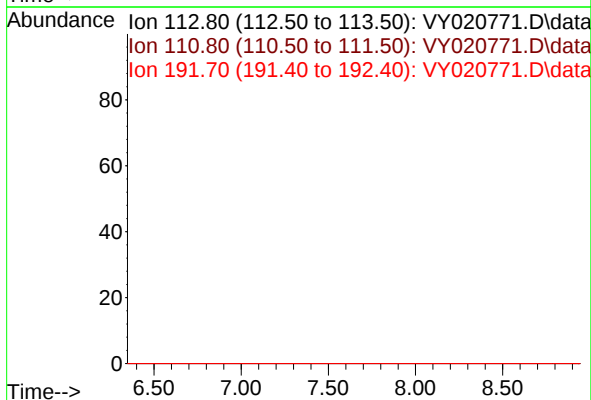
Tgt Ion: 113

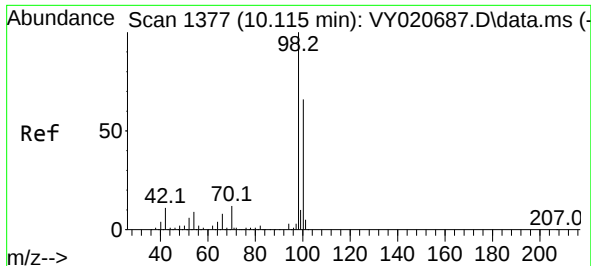
Sig Exp Ratio

113 100

111 99.8

192 21.3

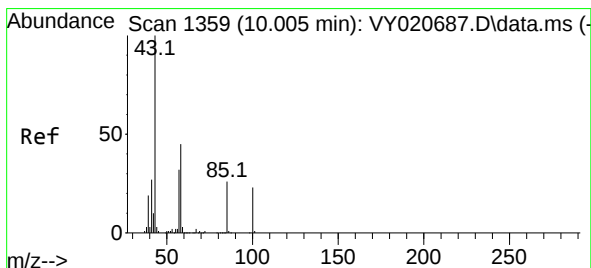
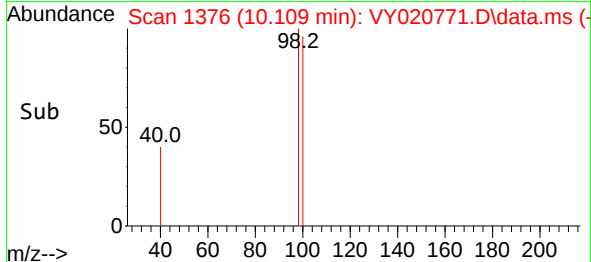
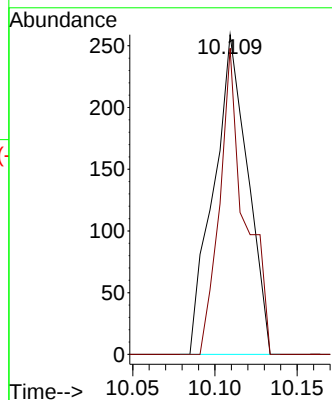
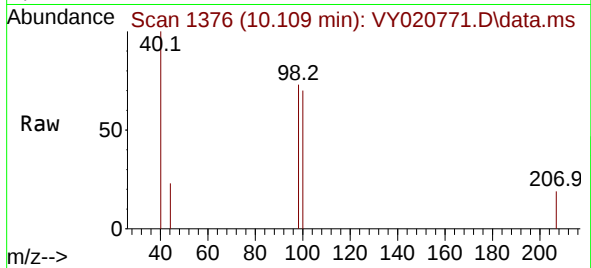




#50
Toluene-d8
Concen: 78.915 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

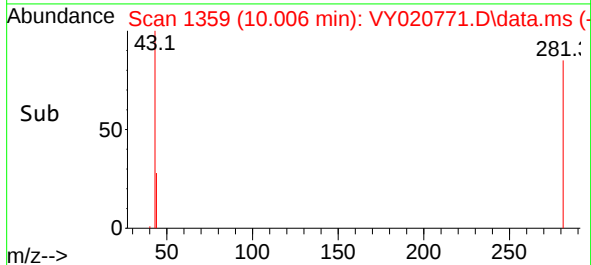
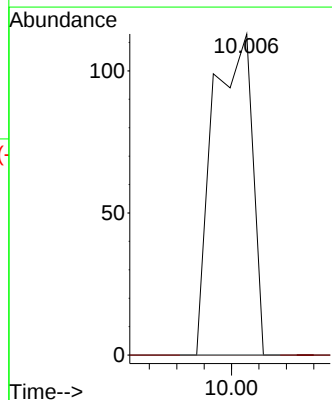
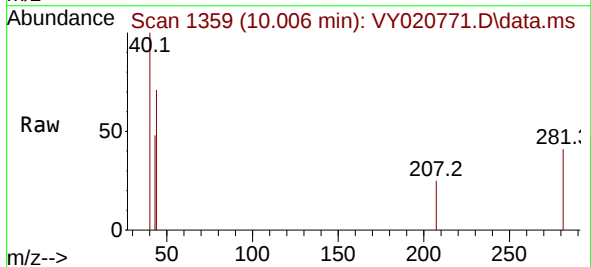
Instrument :
MSVOA_Y
ClientSampleId :

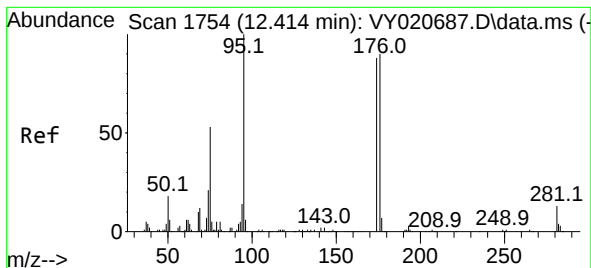
Tgt Ion: 98 Resp: 373
Ion Ratio Lower Upper
98 100
100 71.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 213.768 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.001 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
58 0.0 35.1 52.7#

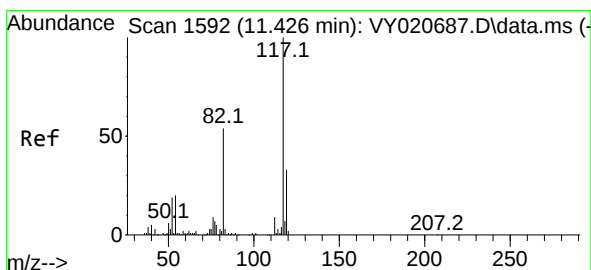
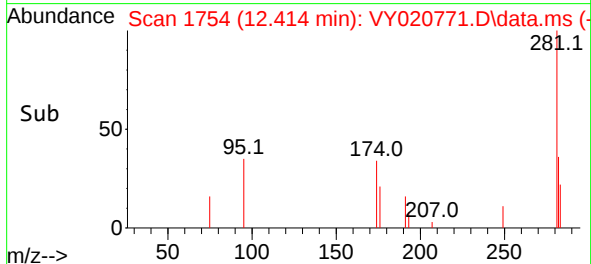
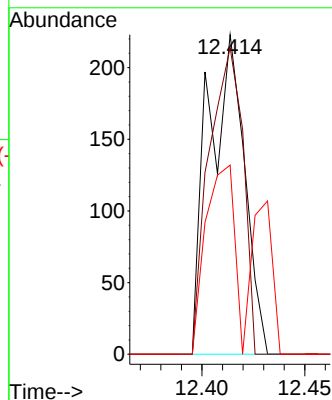
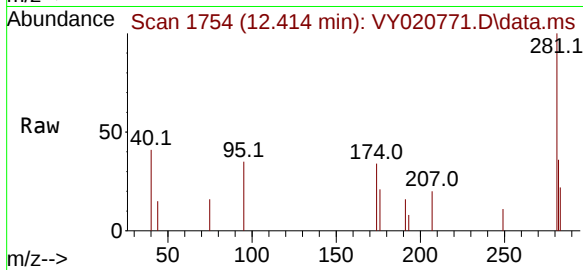




#62
4-Bromofluorobenzene
Concen: 175.092 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

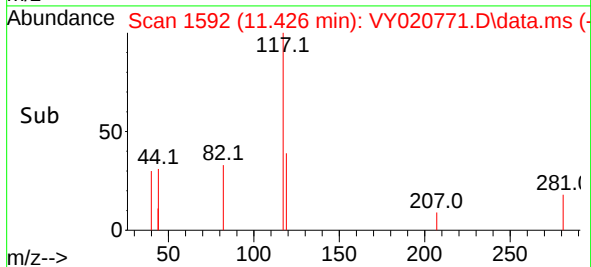
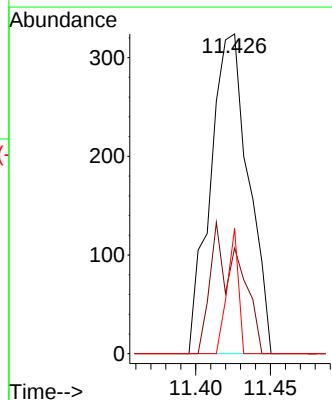
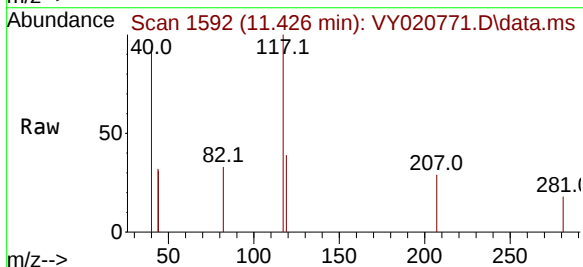
Instrument :
MSVOA_Y
ClientSampleId :

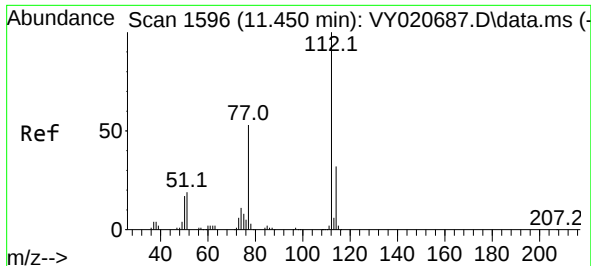
Tgt Ion: 95 Resp: 273
Ion Ratio Lower Upper
95 100
174 89.7 0.0 179.2
176 46.9 0.0 179.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.000 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

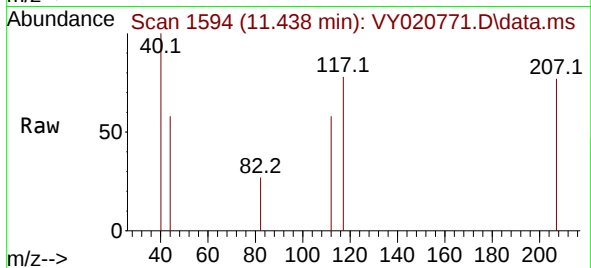
Tgt Ion: 117 Resp: 576
Ion Ratio Lower Upper
117 100
82 33.0 43.4 65.2#
119 39.2 26.6 39.8



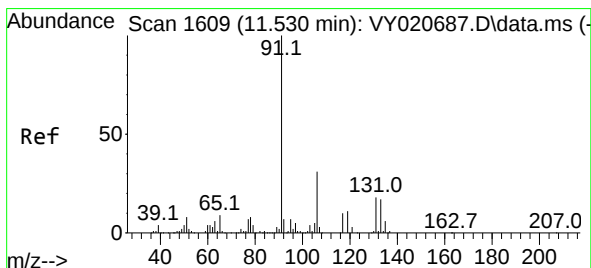
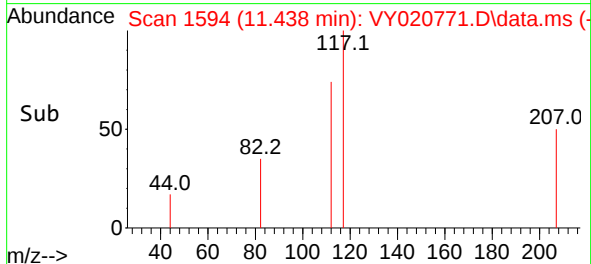
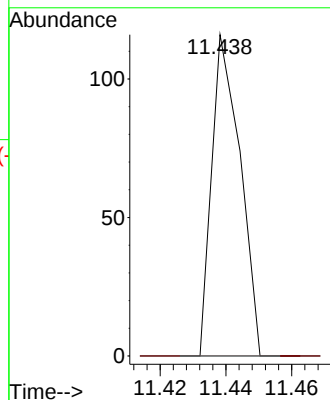


#65
Chlorobenzene
Concen: 6.206 ug/l
RT: 11.438 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

Instrument :
MSVOA_Y
ClientSampleId :

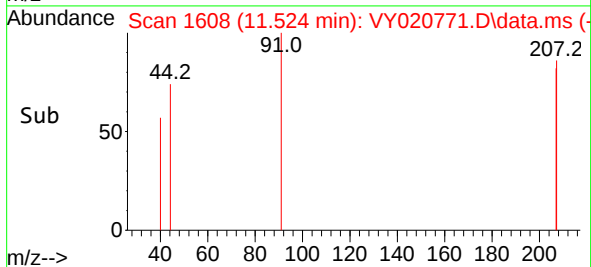
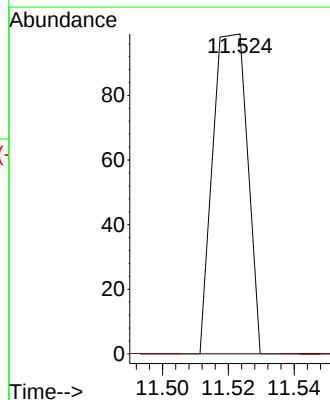
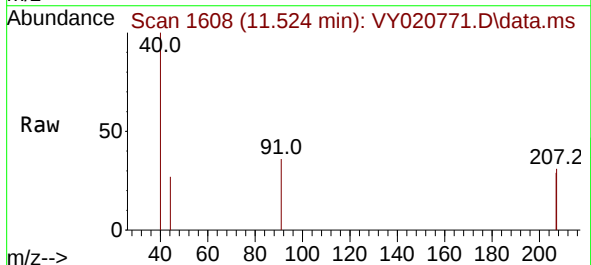


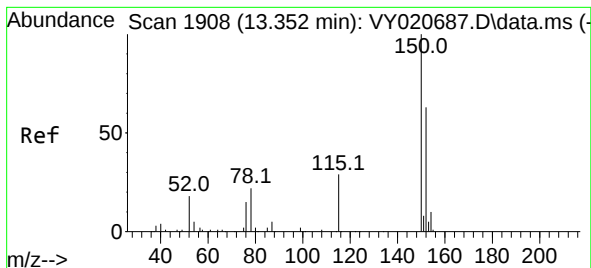
Tgt Ion:112 Resp: 70
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.0#



#67
Ethyl Benzene
Concen: 3.653 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.006 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

Tgt Ion: 91 Resp: 72
Ion Ratio Lower Upper
91 100
106 0.0 24.5 36.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1908

Delta R.T. 0.007 min

Lab File: VY020771.D

Acq: 03 Jan 2025 15:51

Instrument :

MSVOA_Y

ClientSampleId :

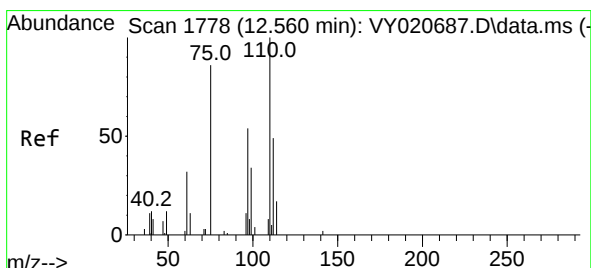
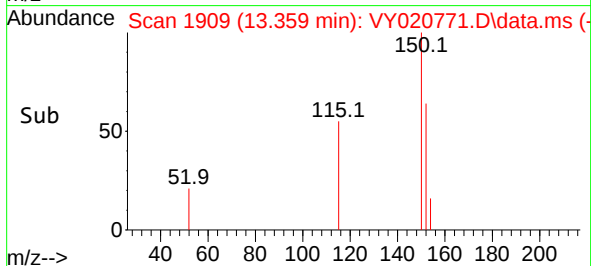
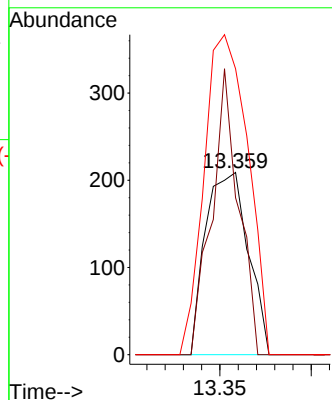
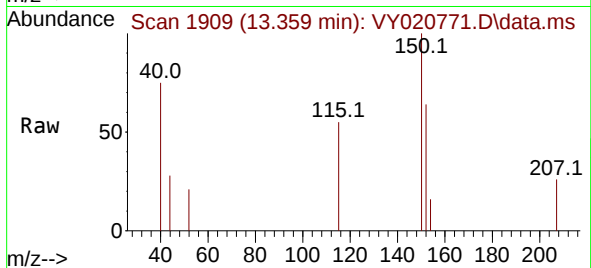
Tgt Ion:152 Resp: 339

Ion Ratio Lower Upper

152 100

115 98.8 30.3 90.9#

150 180.8 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 57.975 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY020771.D

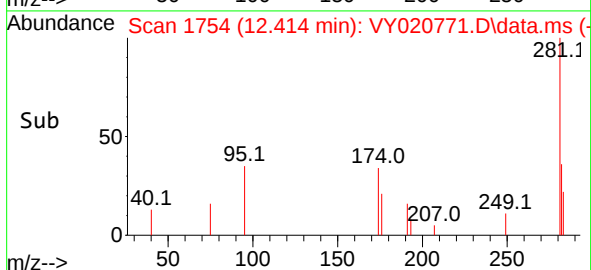
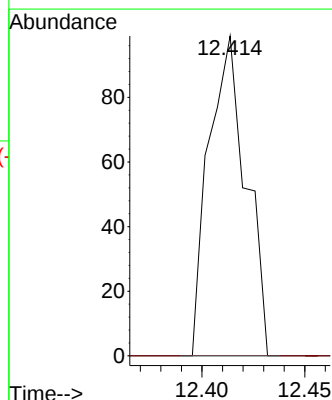
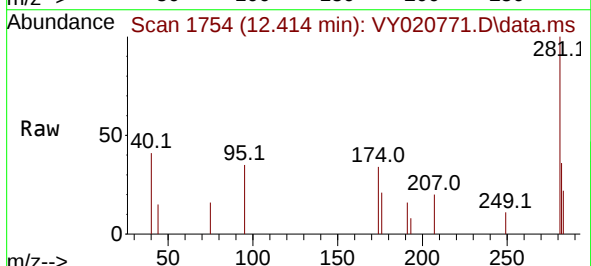
Acq: 03 Jan 2025 15:51

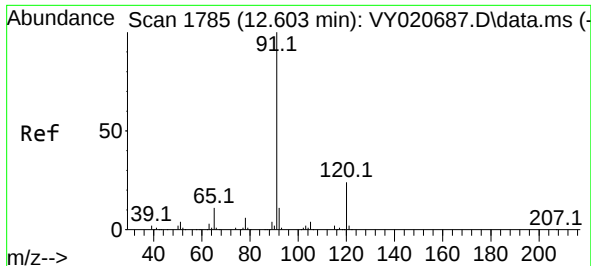
Tgt Ion: 75 Resp: 125

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

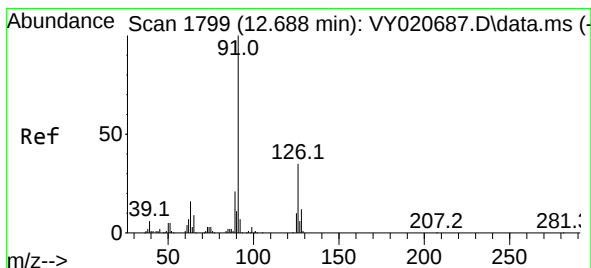
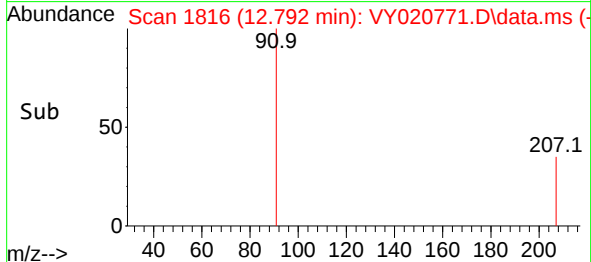
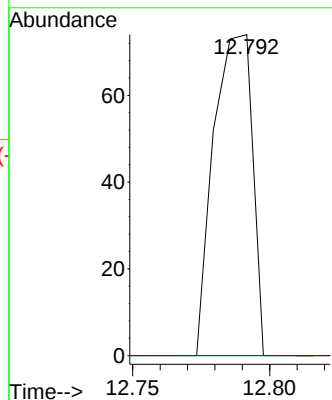
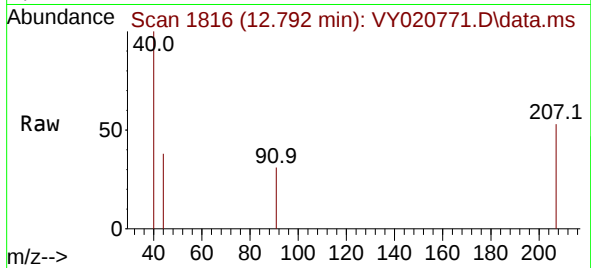




#78
n-propylbenzene
Concen: 2.773 ug/l
RT: 12.792 min Scan# 1816
Delta R.T. 0.189 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

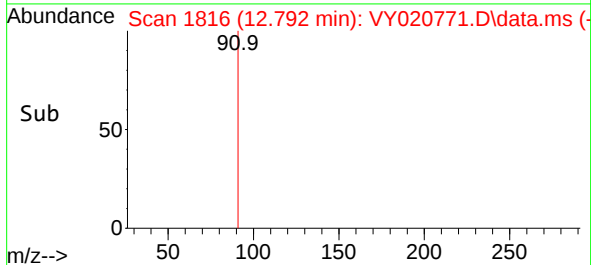
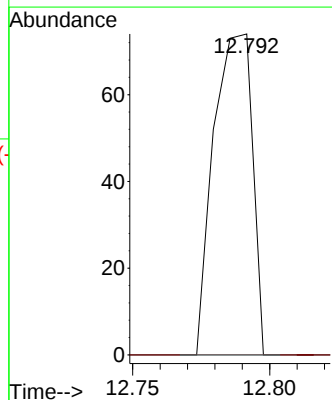
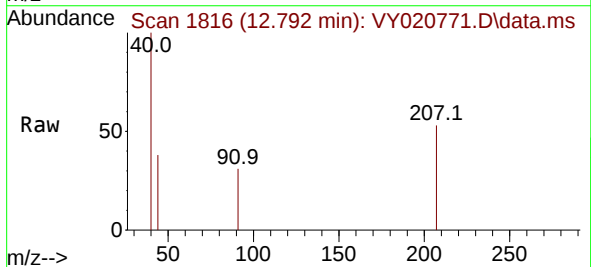
Instrument :
MSVOA_Y
ClientSampleId :

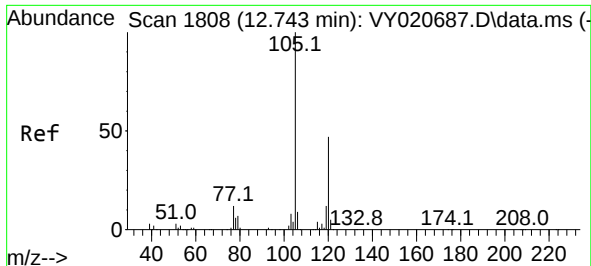
Tgt Ion: 91 Resp: 73
Ion Ratio Lower Upper
91 100
120 0.0 12.3 36.8#



#79
2-Chlorotoluene
Concen: 4.865 ug/l
RT: 12.792 min Scan# 1816
Delta R.T. 0.104 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

Tgt Ion: 91 Resp: 73
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.3#

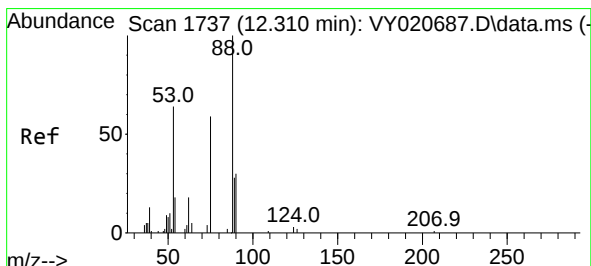
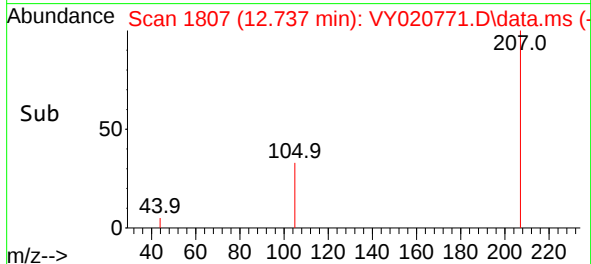
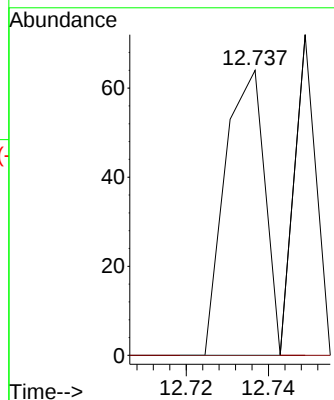
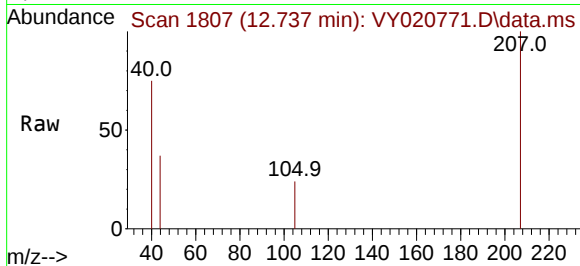




#80
 1,3,5-Trimethylbenzene
 Concen: 2.197 ug/l
 RT: 12.737 min Scan# 1754
 Delta R.T. -0.006 min
 Lab File: VY020771.D
 Acq: 03 Jan 2025 15:51

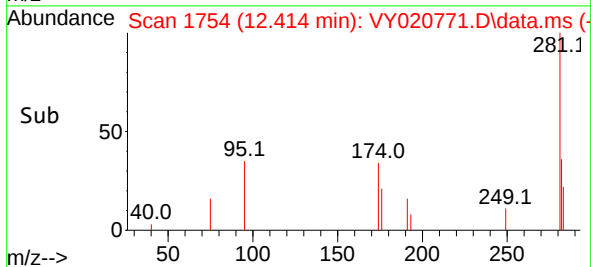
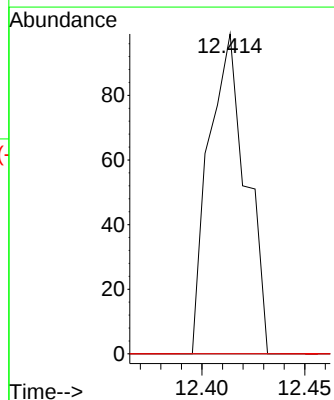
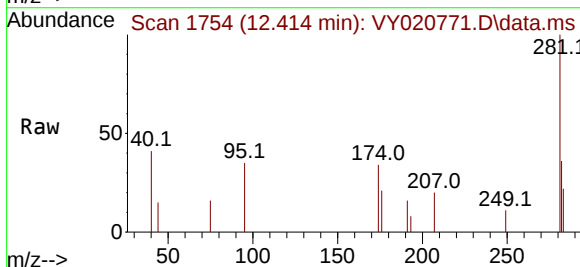
Instrument :
 MSVOA_Y
 ClientSampleId :

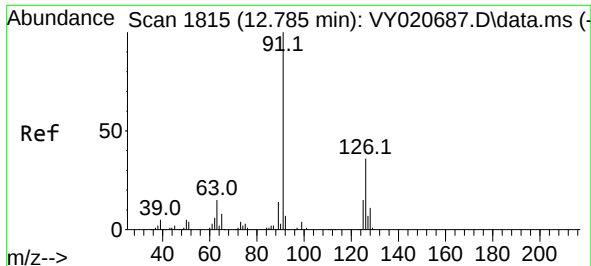
Tgt Ion:105 Resp: 43
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.9 71.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.595 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.104 min
 Lab File: VY020771.D
 Acq: 03 Jan 2025 15:51

Tgt Ion: 75 Resp: 125
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.1 124.7#
 89 0.0 40.6 61.0#

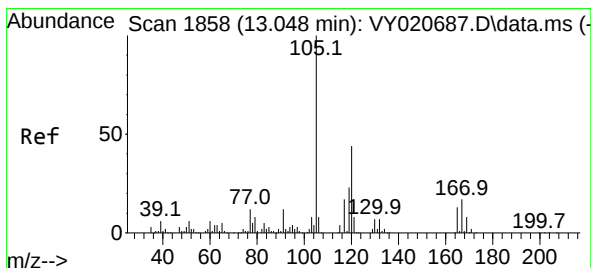
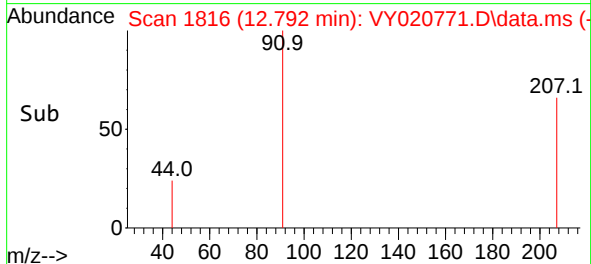
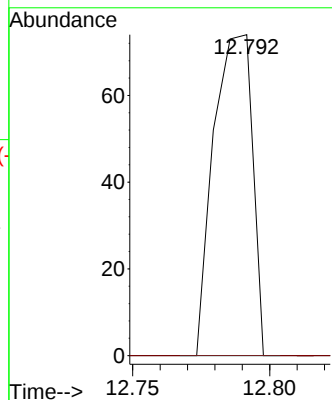
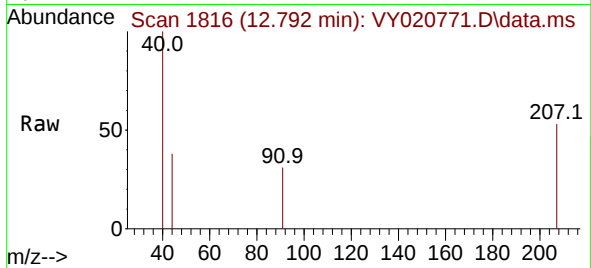




#82
4-Chlorotoluene
Concen: 4.707 ug/l
RT: 12.792 min Scan# 1816
Delta R.T. 0.007 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

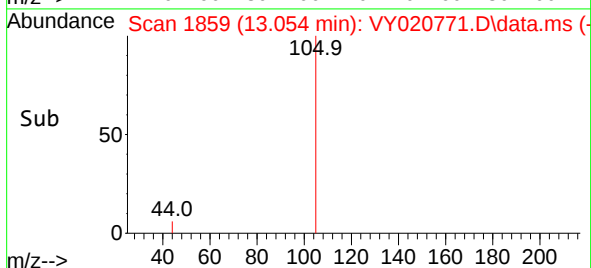
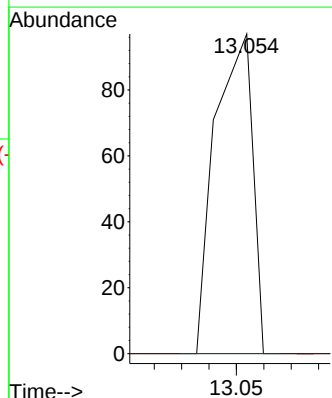
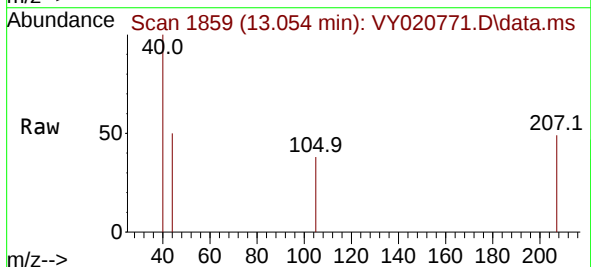
Instrument :
MSVOA_Y
ClientSampleId :

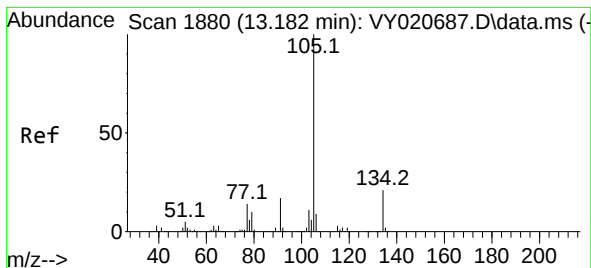
Tgt Ion: 91 Resp: 73
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 4.831 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

Tgt Ion: 105 Resp: 92
Ion Ratio Lower Upper
105 100
120 0.0 21.8 65.3#





#85

sec-Butylbenzene

Concen: 1.665 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VY020771.D

Acq: 03 Jan 2025 15:51

Instrument :

MSVOA_Y

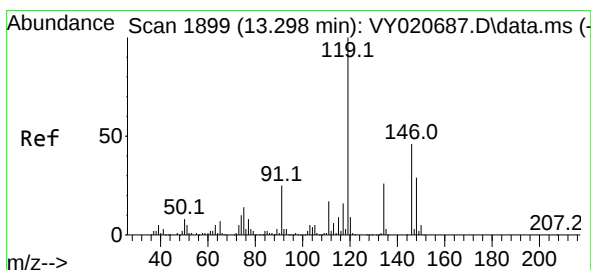
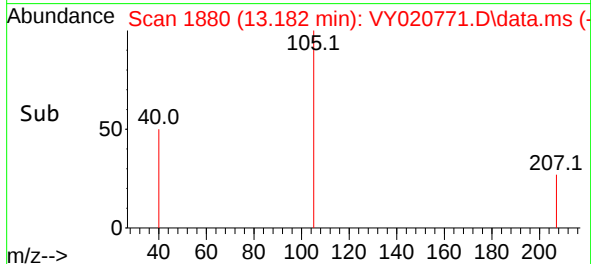
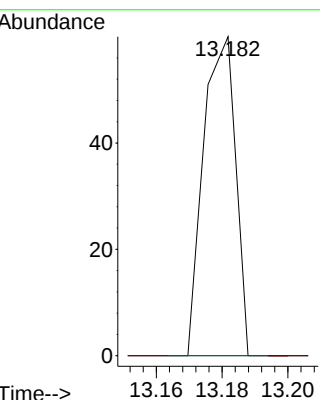
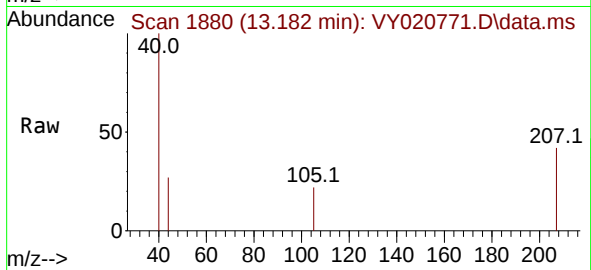
ClientSampleId :

Tgt Ion:105 Resp: 41

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#



#86

p-Isopropyltoluene

Concen: 4.146 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VY020771.D

Acq: 03 Jan 2025 15:51

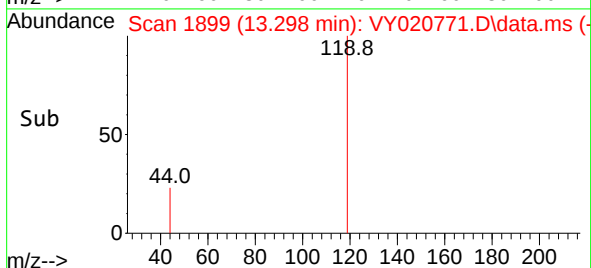
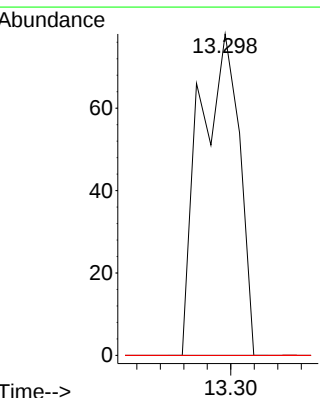
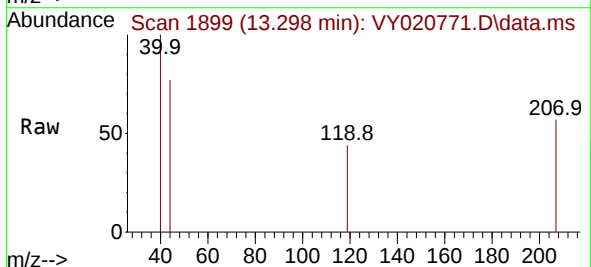
Tgt Ion:119 Resp: 91

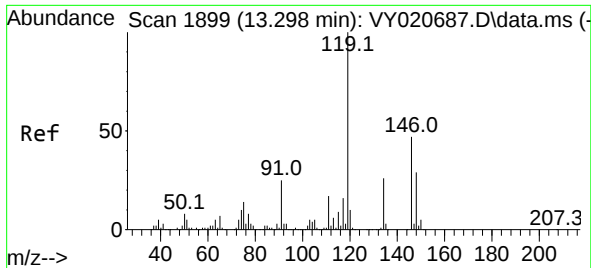
Ion Ratio Lower Upper

119 100

134 0.0 13.4 40.2#

91 0.0 12.9 38.6#

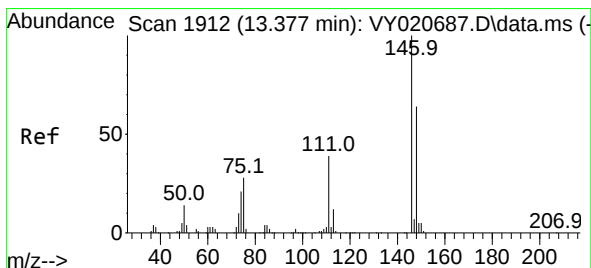
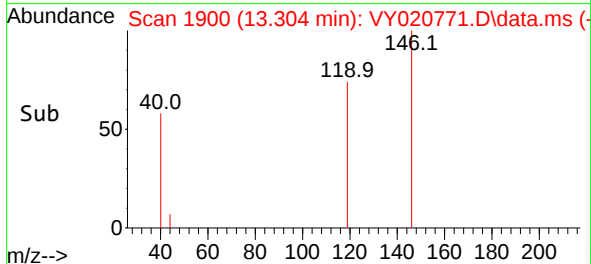
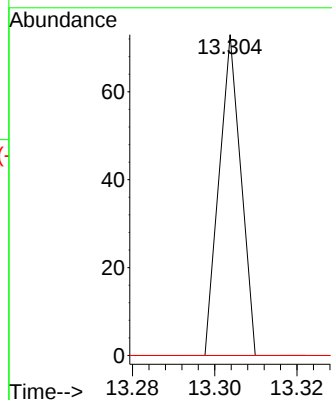
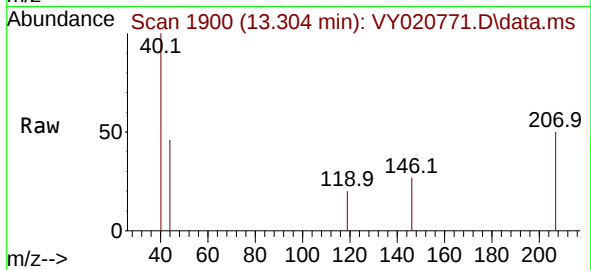




#87
1,3-Dichlorobenzene
Concen: 2.555 ug/l
RT: 13.304 min Scan# 1910
Delta R.T. 0.006 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

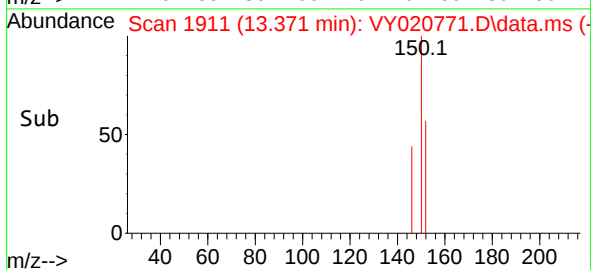
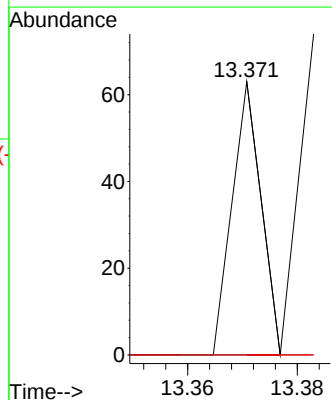
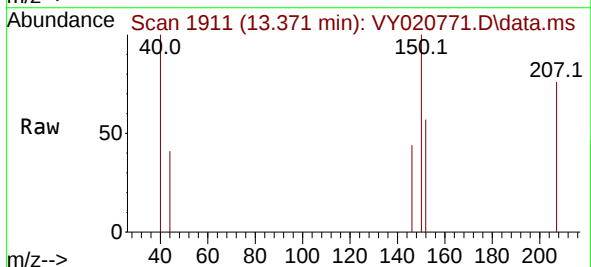
Instrument :
MSVOA_Y
ClientSampleId :

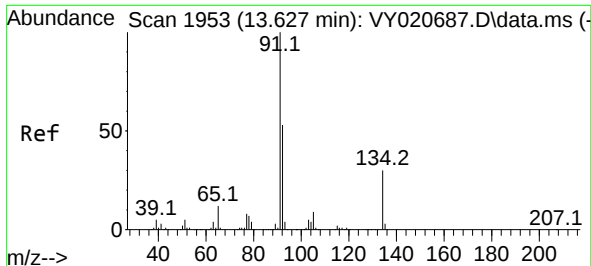
Tgt Ion:146 Resp: 27
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.8#
148 0.0 31.1 93.5#



#88
1,4-Dichlorobenzene
Concen: 2.188 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.006 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

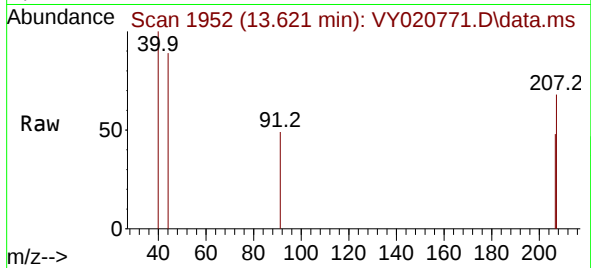
Tgt Ion:146 Resp: 23
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.0#
148 0.0 32.8 98.3#



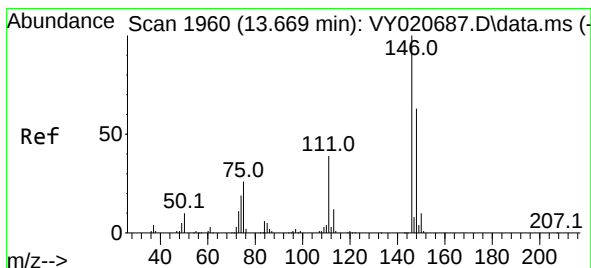
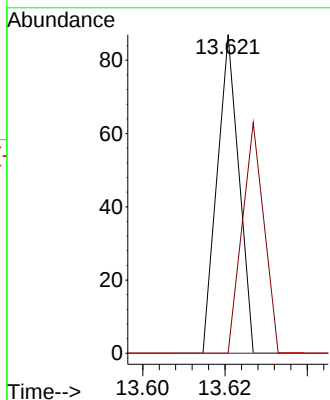
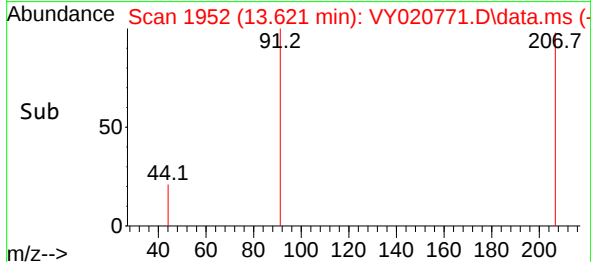


#89
n-Butylbenzene
Concen: 1.747 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.006 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51

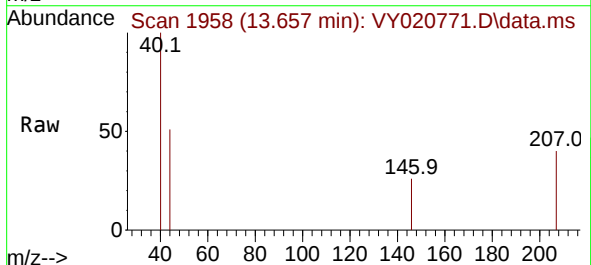
Instrument :
MSVOA_Y
ClientSampleId :



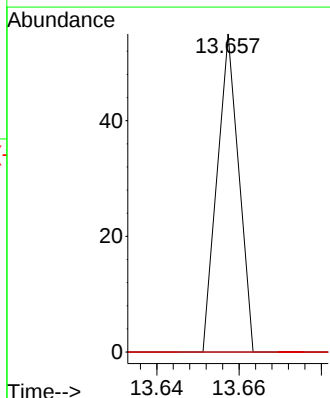
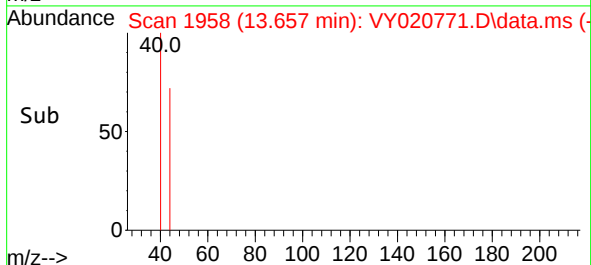
Tgt Ion: 91 Resp: 32
Ion Ratio Lower Upper
91 100
92 71.9 26.1 78.2
134 0.0 14.8 44.4#

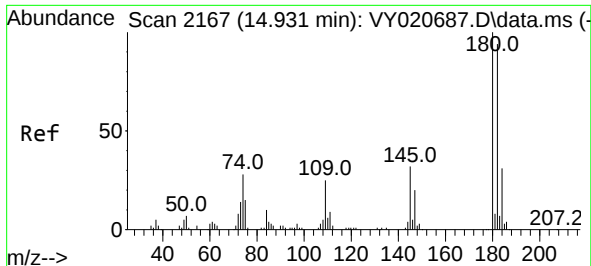


#91
1,2-Dichlorobenzene
Concen: 2.207 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.012 min
Lab File: VY020771.D
Acq: 03 Jan 2025 15:51



Tgt Ion: 146 Resp: 20
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.8#
148 0.0 31.9 95.5#





#93

1,2,4-Trichlorobenzene

Concen: 4.341 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. -0.006 min

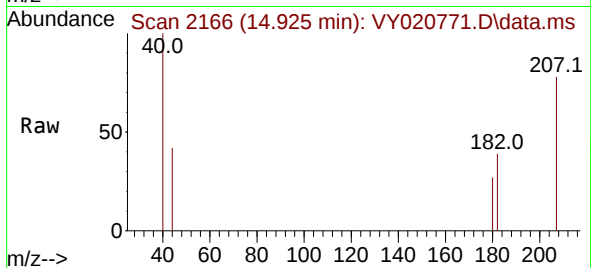
Lab File: VY020771.D

Acq: 03 Jan 2025 15:51

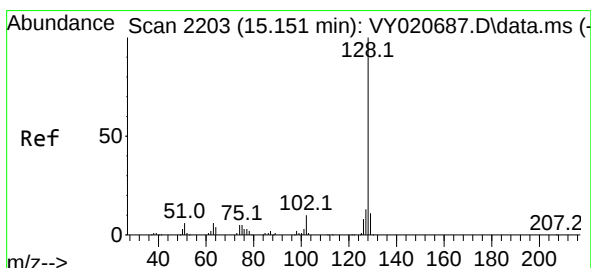
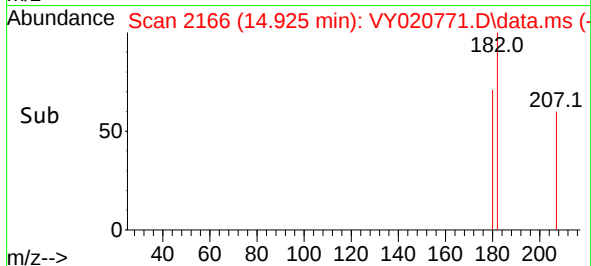
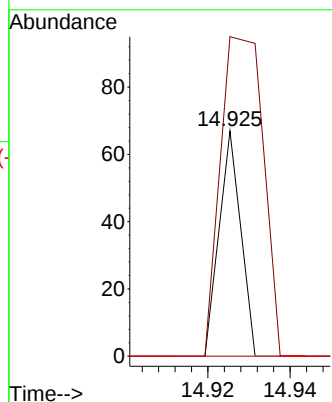
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	180	Resp:	25
Ion	Ratio	Lower	Upper
180	100		
182	276.0	47.9	143.7#
145	0.0	15.6	46.8#



#95

Naphthalene

Concen: 17.672 ug/l

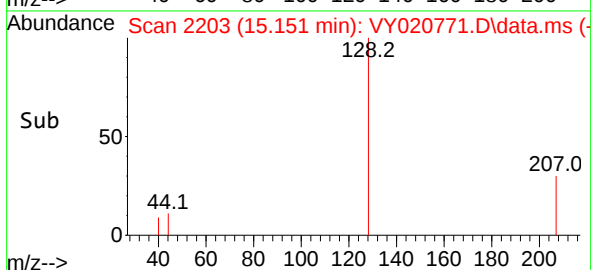
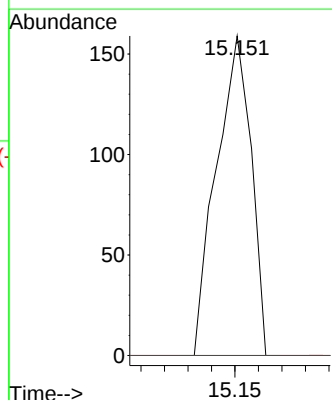
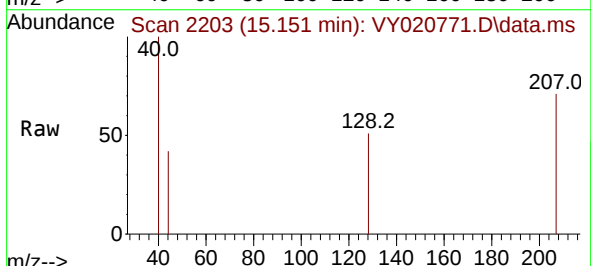
RT: 15.151 min Scan# 2203

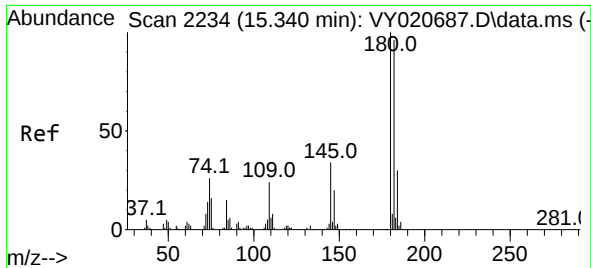
Delta R.T. -0.000 min

Lab File: VY020771.D

Acq: 03 Jan 2025 15:51

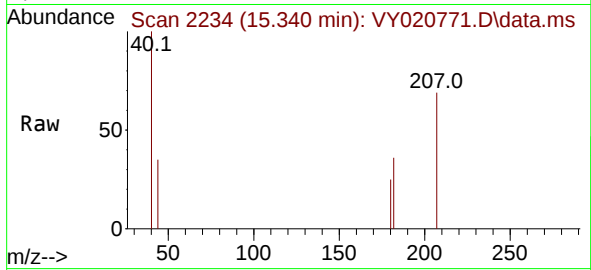
Tgt Ion:	128	Resp:	163
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.6	12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 12.096 ug/l
 RT: 15.340 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY020771.D
 Acq: 03 Jan 2025 15:51

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 58
 Ion Ratio Lower Upper
 180 100
 182 119.0 47.4 142.2
 145 0.0 16.7 50.1#

