

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
 Data File : VY020036.D
 Acq On : 28 Oct 2024 13:06
 Operator : SY/MD
 Sample : P4578-05
 Misc : 7.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 01:57:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

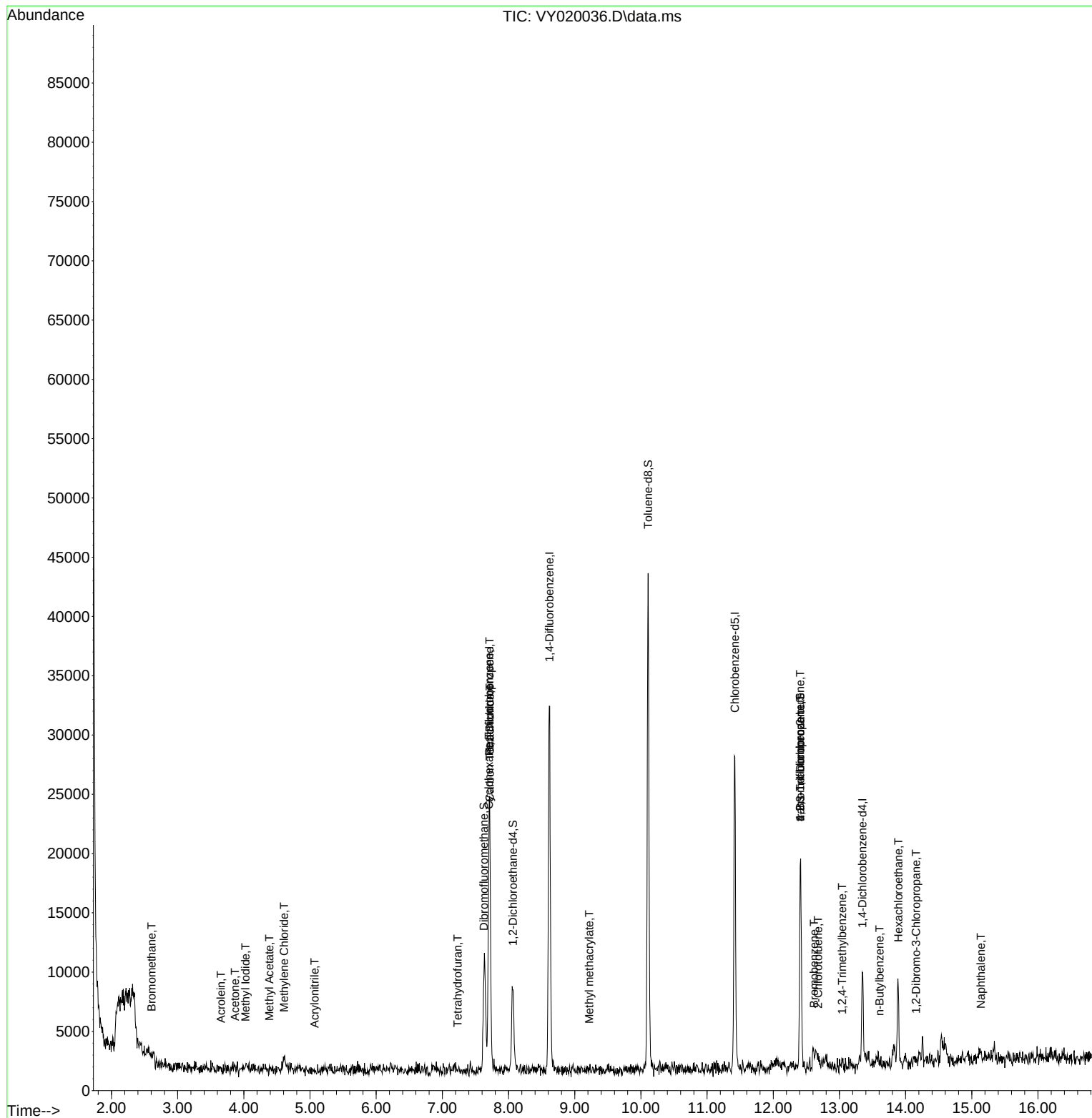
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	16371	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	25242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	13869	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	6205	30.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	61.560%
35) Dibromofluoromethane	7.628	113	7646	45.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.800%
50) Toluene-d8	10.109	98	26587	43.223	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.440%
62) 4-Bromofluorobenzene	12.408	95	3669	16.508	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	33.020%
Target Compounds						
						Qvalue
5) Bromomethane	2.604	94	300	2.171	ug/l	# 3
10) Methyl Iodide	4.025	142	260	1.361	ug/l	# 78
11) Tert butyl alcohol	4.805	59	41	Below Cal	#	88
13) Acrolein	3.653	56	31	2.093	ug/l	# 15
15) Acrylonitrile	5.067	53	48	1.063	ug/l	# 18
16) Acetone	3.866	43	245	4.669	ug/l	# 96
18) Methyl Acetate	4.385	43	117	1.035	ug/l	# 46
20) Methylene Chloride	4.610	84	522	1.917	ug/l	# 79
29) Tetrahydrofuran	7.232	42	68	1.696	ug/l	# 26
31) Cyclohexane	7.701	56	382	1.134	ug/l	# 71
36) 1,1-Dichloropropene	7.713	75	1596	6.651	ug/l	# 49
38) Carbon Tetrachloride	7.719	117	1995	7.755	ug/l	# 13
48) Methyl methacrylate	9.219	41	155	1.381	ug/l	# 7
76) 1,2,3-Trichloropropane	12.408	75	2297	63.587	ug/l	# 100
77) Bromobenzene	12.615	156	1135	34.484	ug/l	# 1
79) 2-Chlorotoluene	12.676	91	138	1.284	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	12.408	75	2297	256.661	ug/l	# 16
84) 1,2,4-Trimethylbenzene	13.042	105	217	1.747	ug/l	# 81
89) n-Butylbenzene	13.609	91	182	1.369	ug/l	# 40
90) Hexachloroethane	13.889	117	95	3.584	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	14.157	75	20	4.547	ug/l	# 1
95) Naphthalene	15.139	128	496	8.030	ug/l	# 90

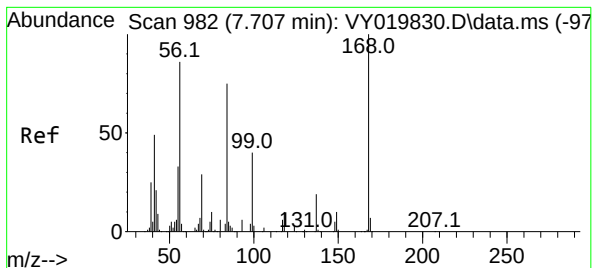
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY020036.D

Acq: 28 Oct 2024 13:06

Instrument :

MSVOA_Y

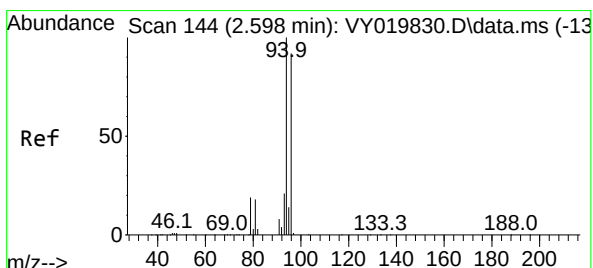
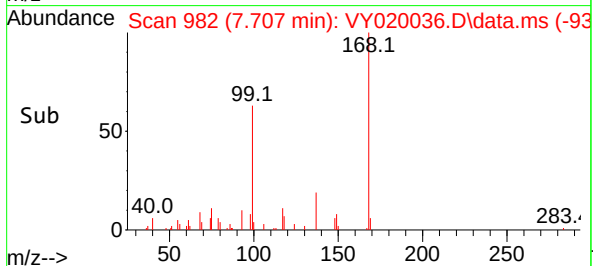
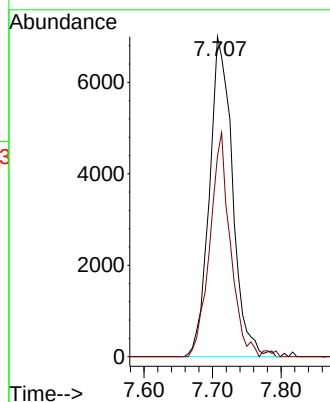
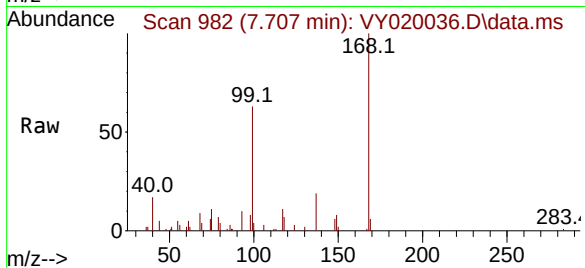
ClientSampleId :

Tgt Ion:168 Resp: 16371

Ion Ratio Lower Upper

168 100

99 62.7 39.1 58.7#



#5

Bromomethane

Concen: 2.171 ug/l

RT: 2.604 min Scan# 145

Delta R.T. 0.006 min

Lab File: VY020036.D

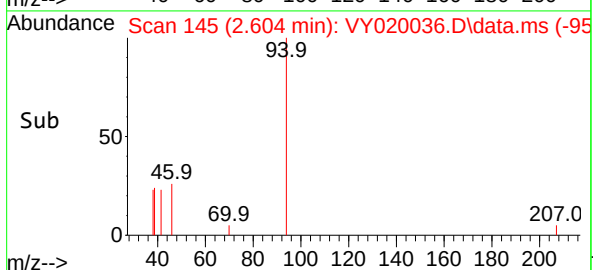
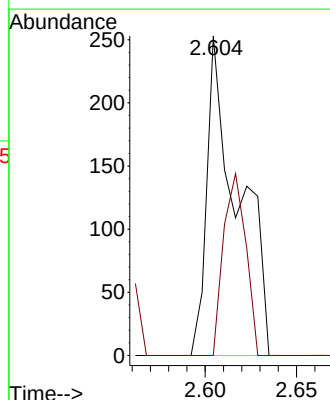
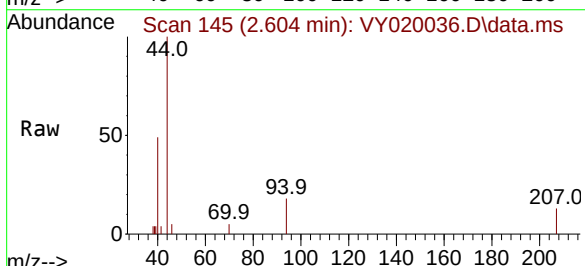
Acq: 28 Oct 2024 13:06

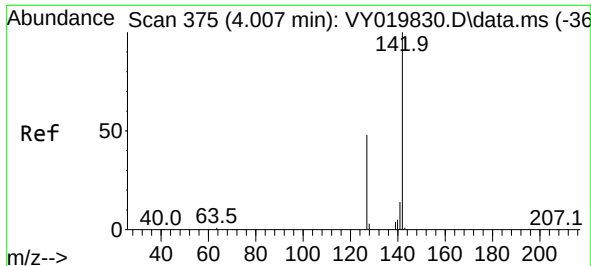
Tgt Ion: 94 Resp: 300

Ion Ratio Lower Upper

94 100

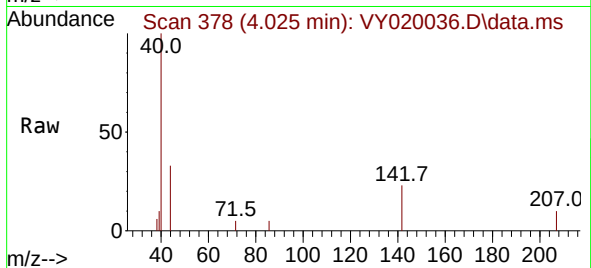
96 0.0 74.1 111.1#



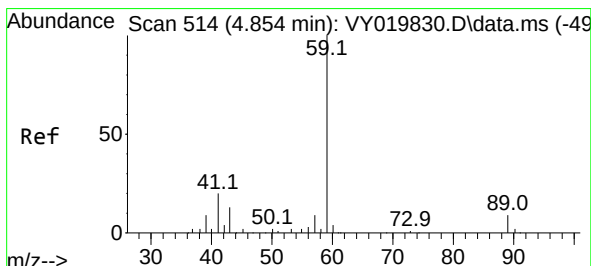
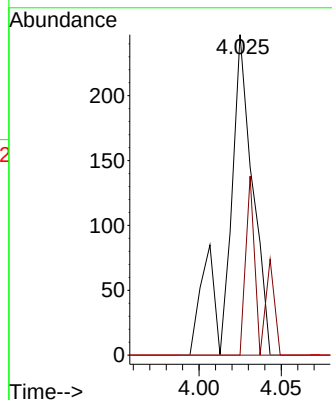
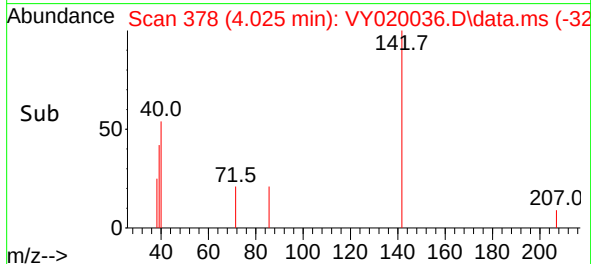


#10
Methyl Iodide
Concen: 1.361 ug/l
RT: 4.025 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

Instrument :
MSVOA_Y
ClientSampleId :

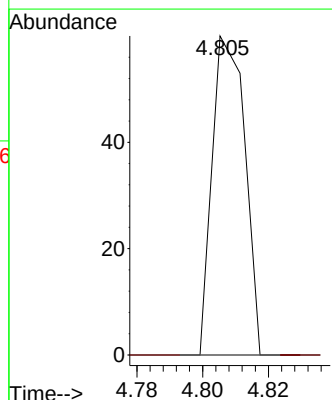
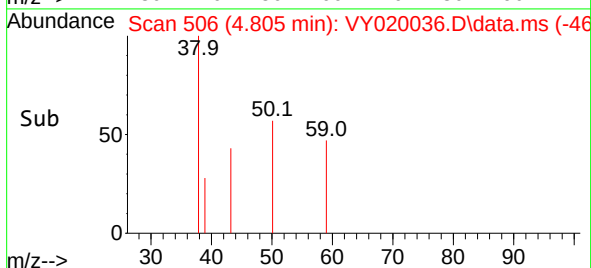
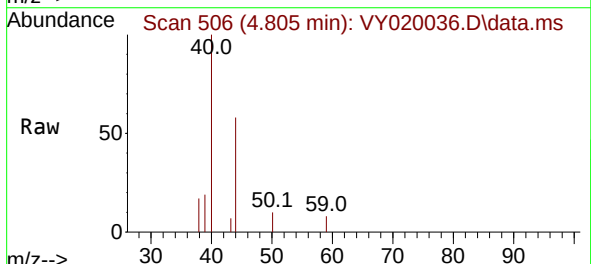


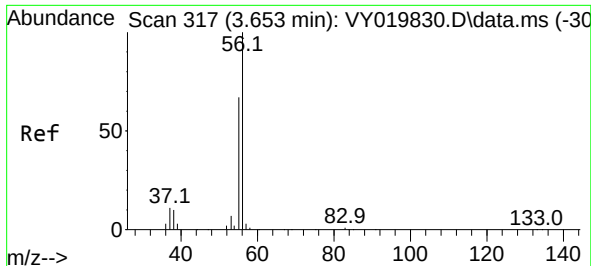
Tgt Ion:142 Resp: 260
Ion Ratio Lower Upper
142 100
127 30.0 32.8 49.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.805 min Scan# 506
Delta R.T. -0.055 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

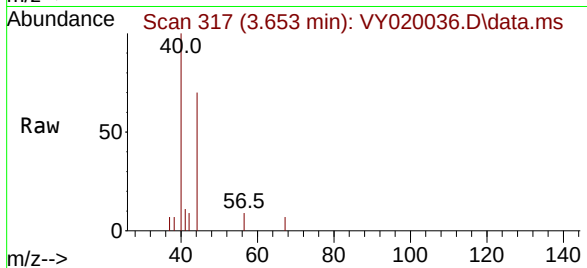
Tgt Ion: 59 Resp: 41
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



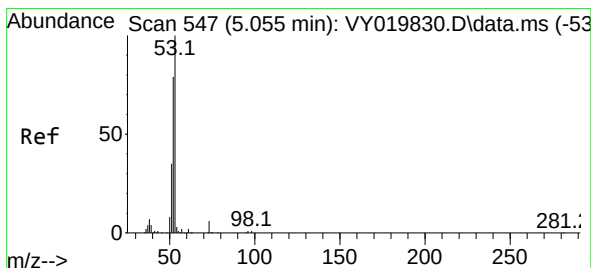
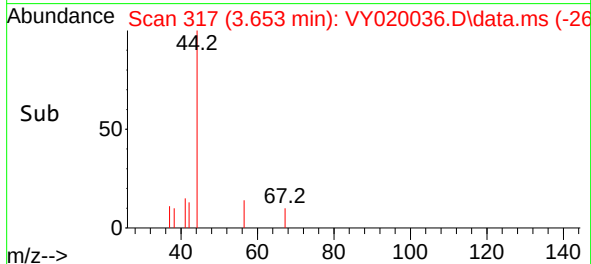
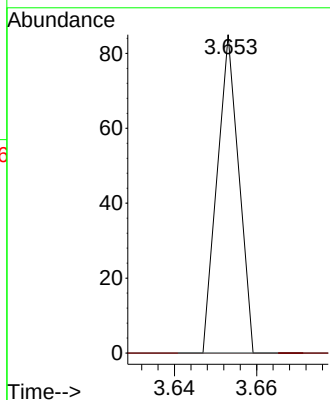


#13
Acrolein
Concen: 2.093 ug/l
RT: 3.653 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

Instrument :
MSVOA_Y
ClientSampleId :

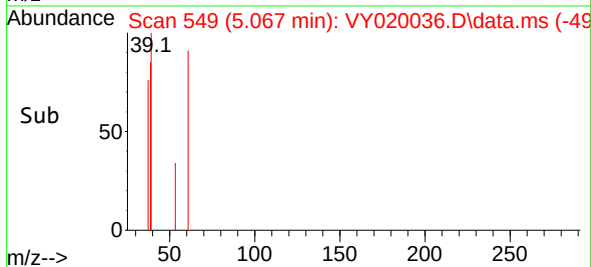
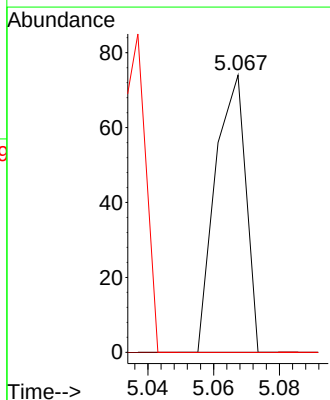
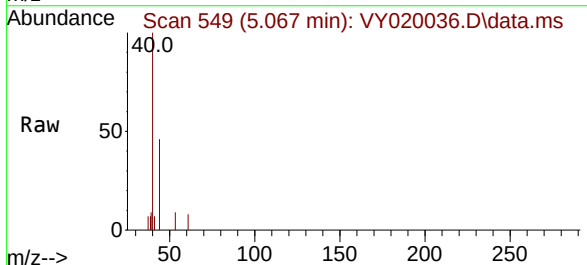


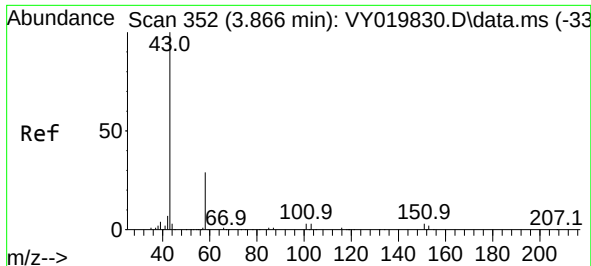
Tgt Ion: 56 Resp: 31
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#15
Acrylonitrile
Concen: 1.063 ug/l
RT: 5.067 min Scan# 549
Delta R.T. 0.012 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

Tgt Ion: 53 Resp: 48
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#

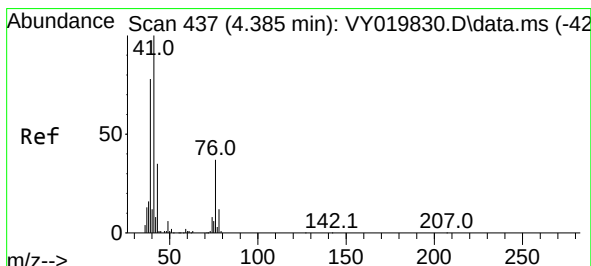
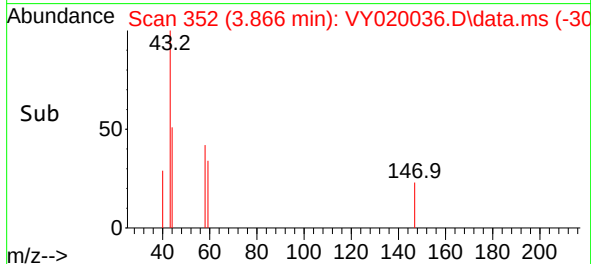
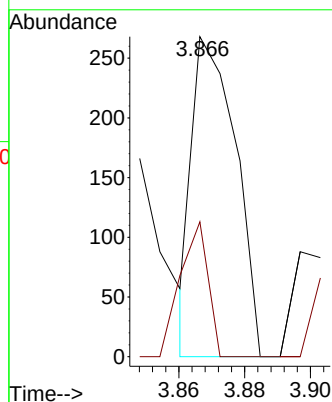
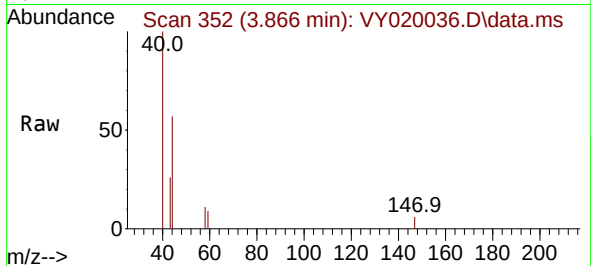




#16
Acetone
Concen: 4.669 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

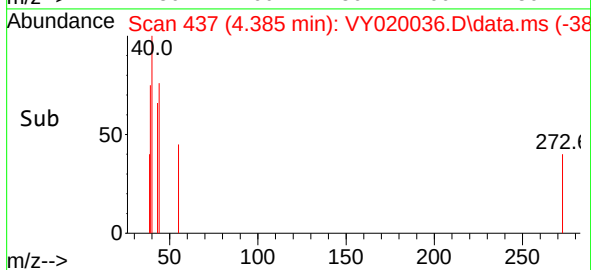
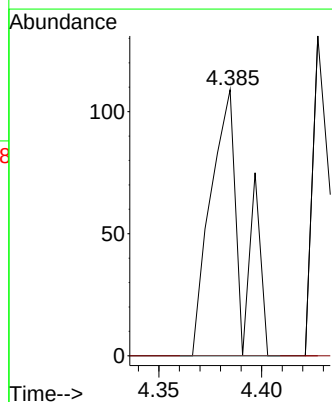
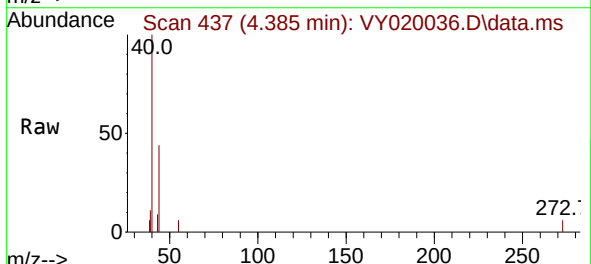
Instrument :
MSVOA_Y
ClientSampleId :

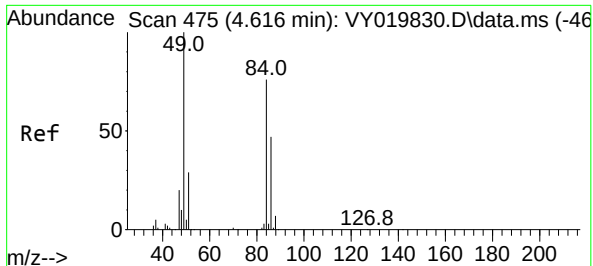
Tgt Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
58 42.2 31.7 47.5



#18
Methyl Acetate
Concen: 1.035 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

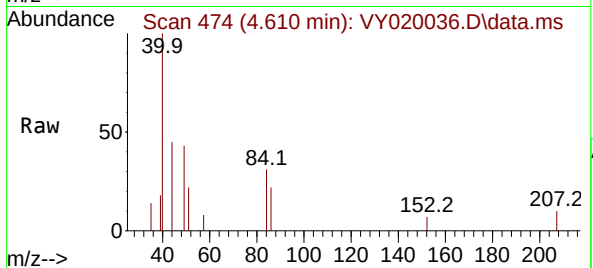
Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



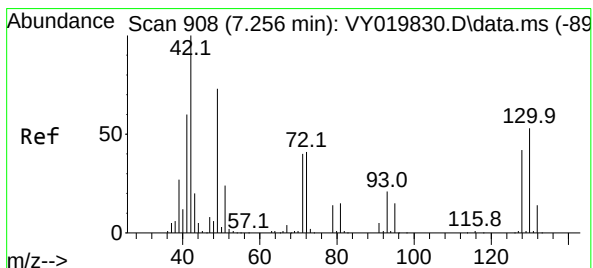
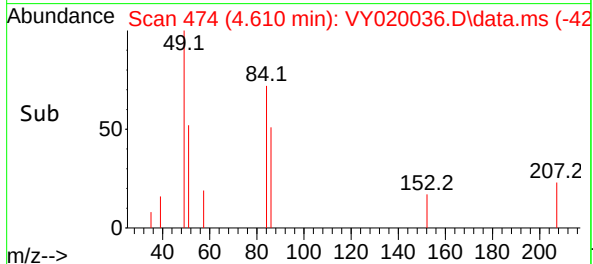
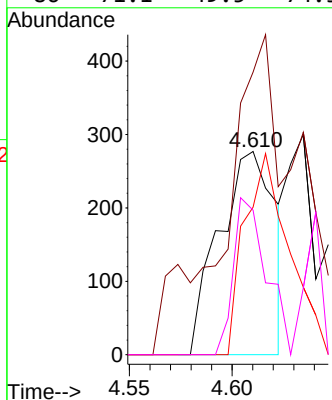


#20
Methylene Chloride
Concen: 1.917 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

Instrument :
MSVOA_Y
ClientSampleId :

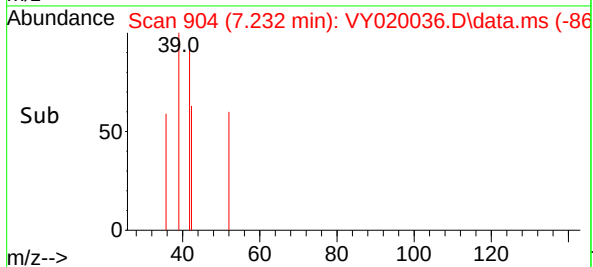
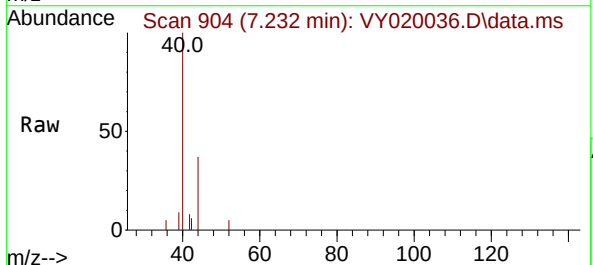
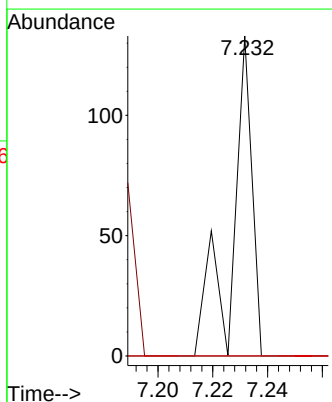


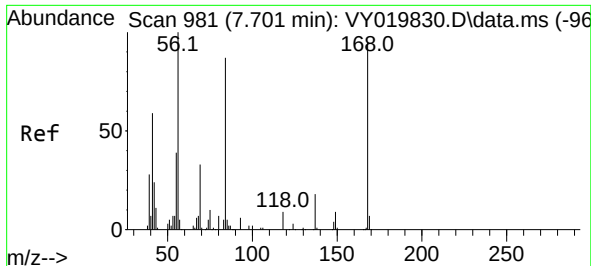
Tgt Ion:	84	Resp:	522
Ion	Ratio	Lower	Upper
84	100		
49	94.6	84.4	126.6
51	72.6	26.0	39.0#
86	71.1	49.5	74.3



#29
Tetrahydrofuran
Concen: 1.696 ug/l
RT: 7.232 min Scan# 904
Delta R.T. -0.030 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

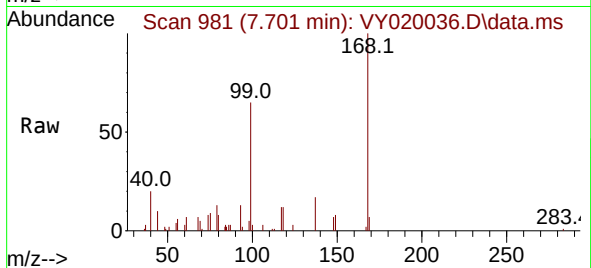
Tgt Ion:	42	Resp:	68
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



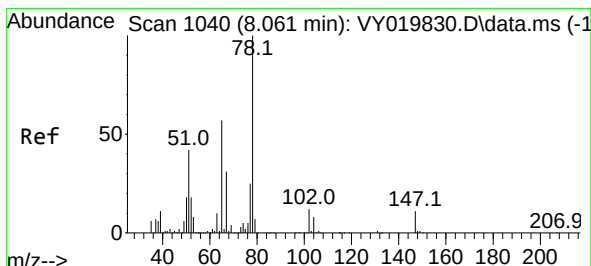
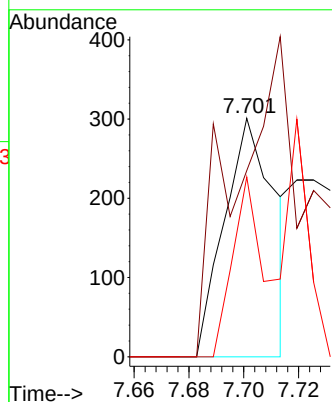
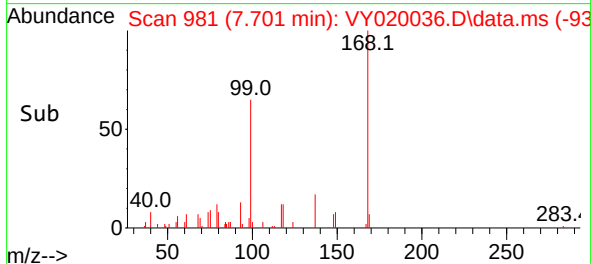


#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

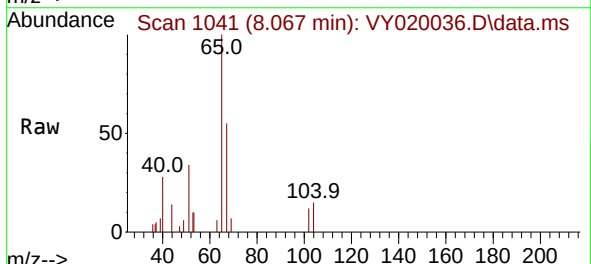
Instrument :
MSVOA_Y
ClientSampleId :



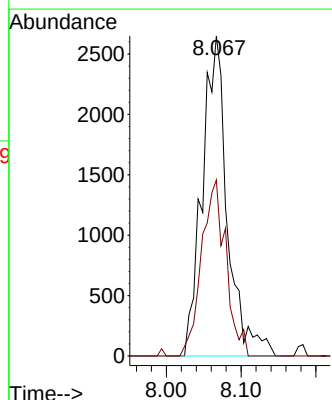
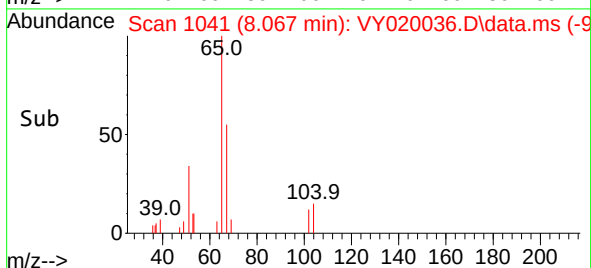
Tgt Ion: 56 Resp: 382
Ion Ratio Lower Upper
56 100
69 78.1 28.7 43.1#
84 110.6 77.7 116.5

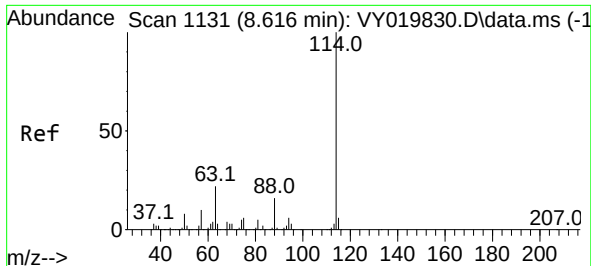


#33
1,2-Dichloroethane-d4
Concen: 30.783 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06



Tgt Ion: 65 Resp: 6205
Ion Ratio Lower Upper
65 100
67 53.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020036.D

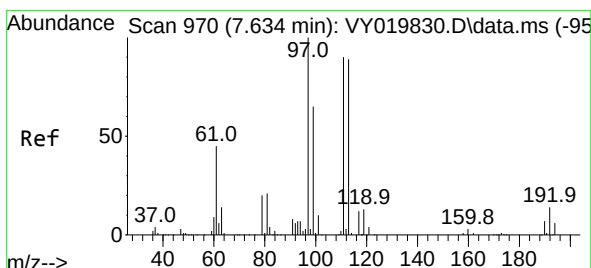
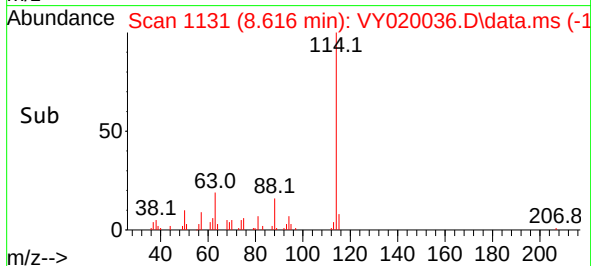
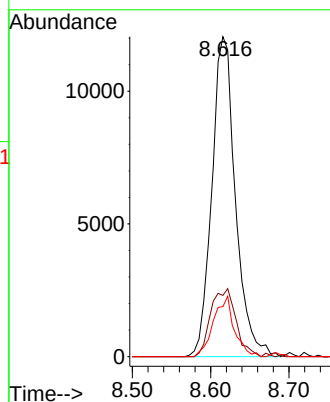
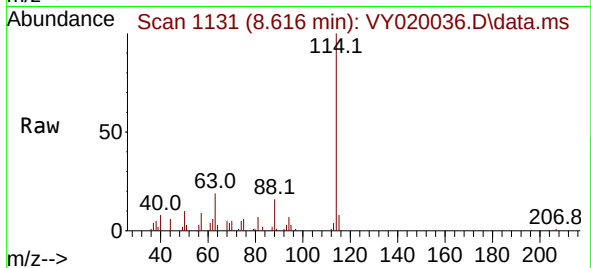
Acq: 28 Oct 2024 13:06

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	25242
Ion Ratio	Lower	Upper
114	100	
63	19.1	0.0 35.0
88	15.7	0.0 27.2



#35

Dibromofluoromethane

Concen: 45.903 ug/l

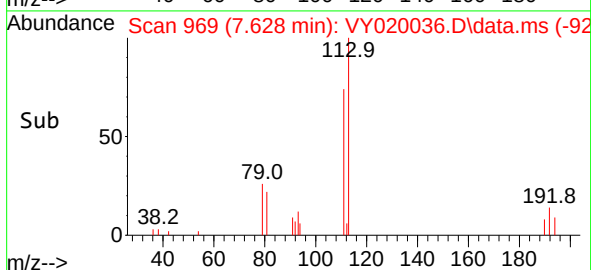
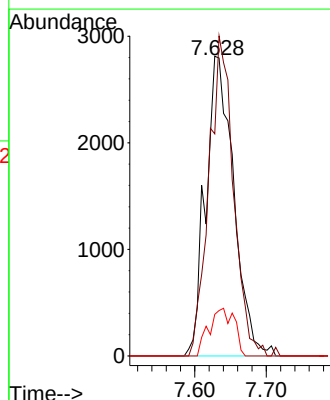
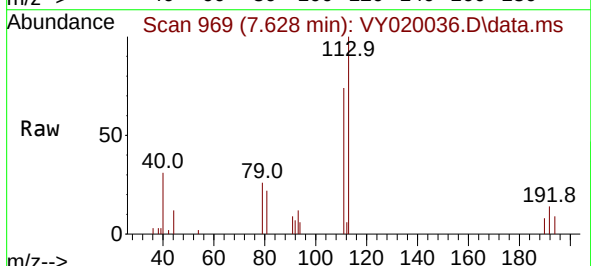
RT: 7.628 min Scan# 969

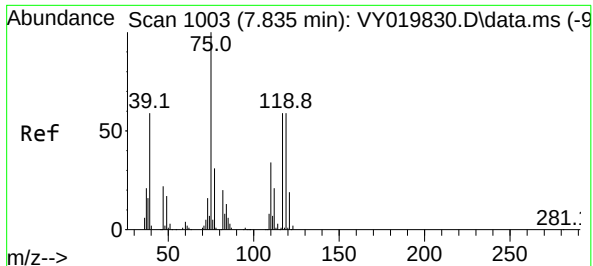
Delta R.T. -0.006 min

Lab File: VY020036.D

Acq: 28 Oct 2024 13:06

Tgt Ion:113	Resp:	7646
Ion Ratio	Lower	Upper
113	100	
111	93.8	82.2 123.4
192	14.4	15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.651 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY020036.D

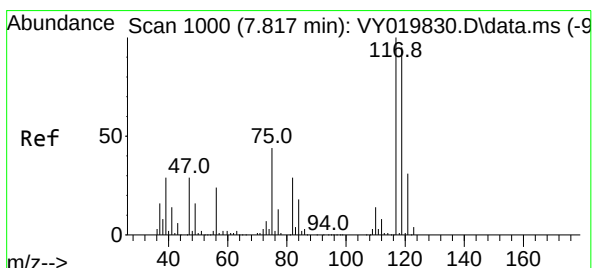
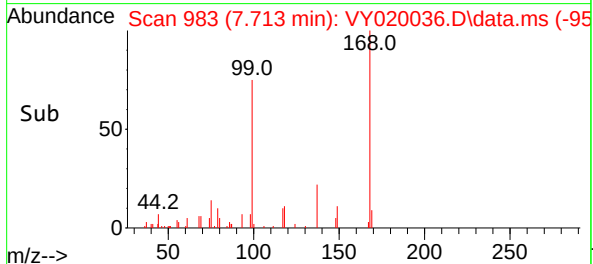
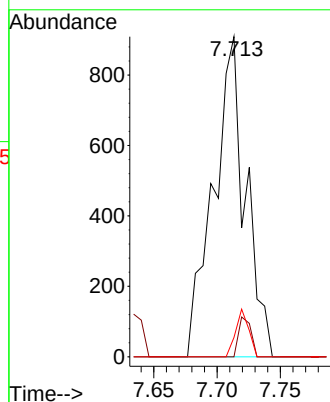
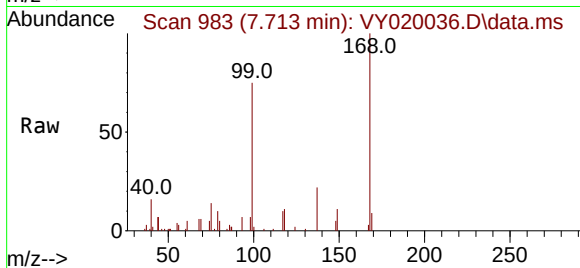
Acq: 28 Oct 2024 13:06

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 1596
Ion Ratio	Lower Upper
75 100	
110 4.8	19.0 57.0#
77 6.1	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.755 ug/l

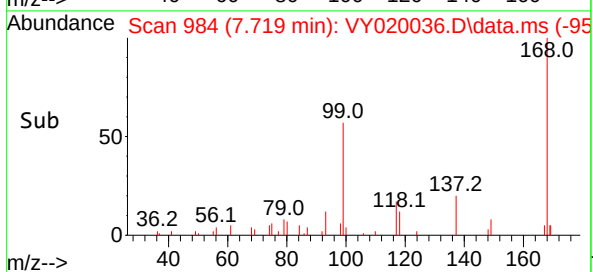
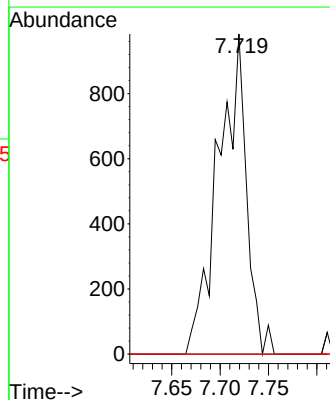
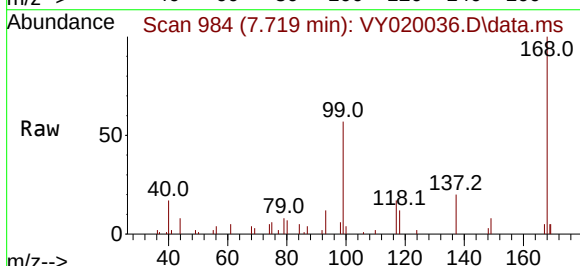
RT: 7.719 min Scan# 984

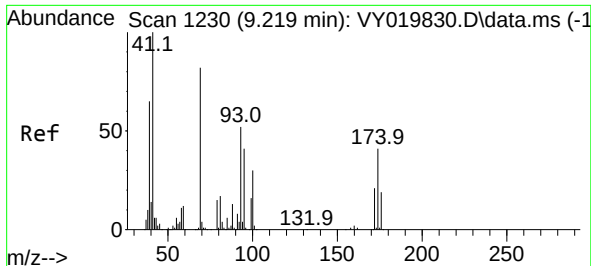
Delta R.T. -0.097 min

Lab File: VY020036.D

Acq: 28 Oct 2024 13:06

Tgt Ion: 117	Resp: 1995
Ion Ratio	Lower Upper
117 100	
119 0.0	75.8 113.6#
121 0.0	24.0 36.0#

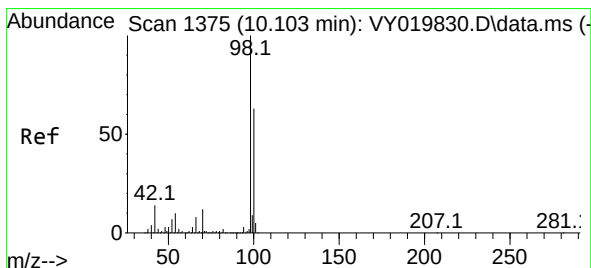
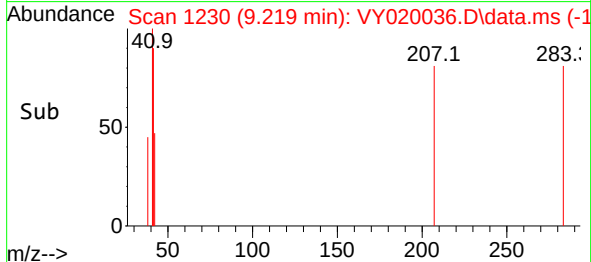
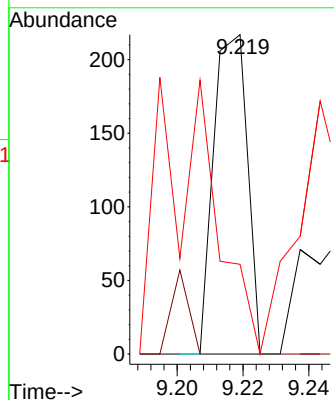
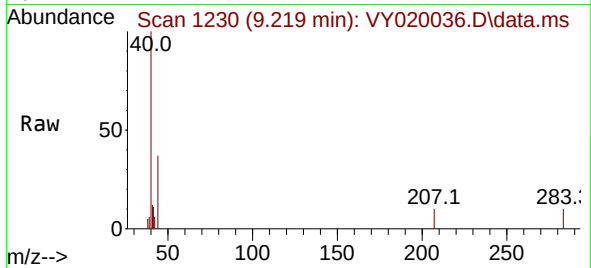




#48
Methyl methacrylate
Concen: 1.381 ug/l
RT: 9.219 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

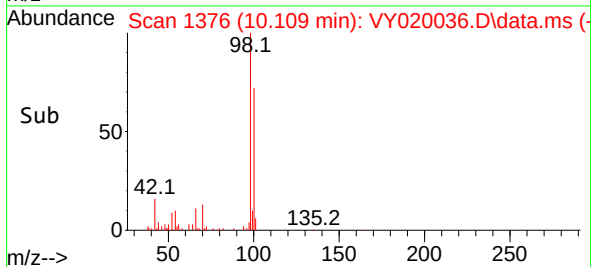
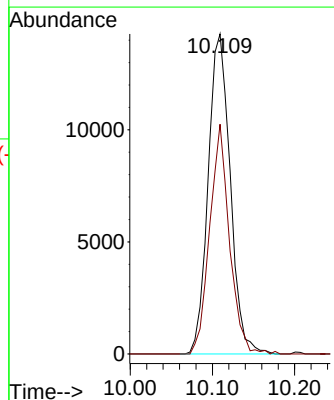
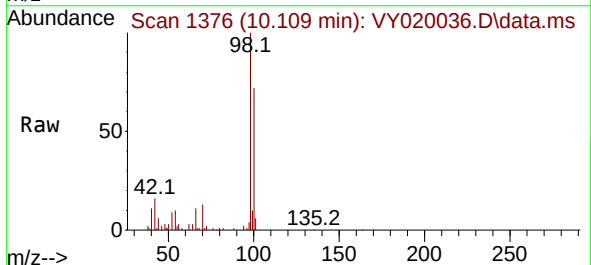
Instrument :
MSVOA_Y
ClientSampleId :

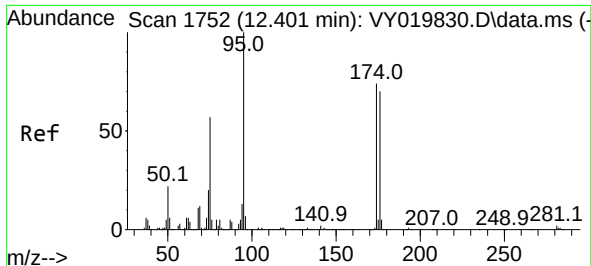
Tgt Ion: 41 Resp: 155
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 0.0 43.6 65.4#



#50
Toluene-d8
Concen: 43.223 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

Tgt Ion: 98 Resp: 26587
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 16.508 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020036.D

Acq: 28 Oct 2024 13:06

Instrument :

MSVOA_Y

ClientSampleId :

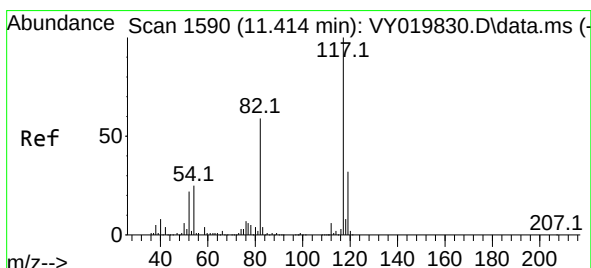
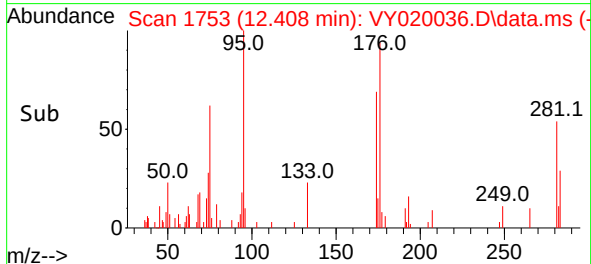
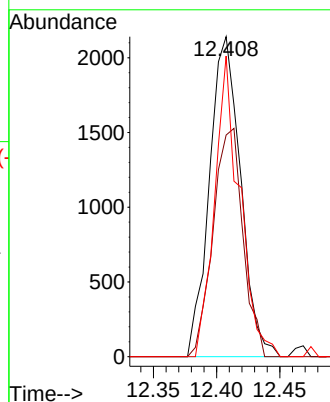
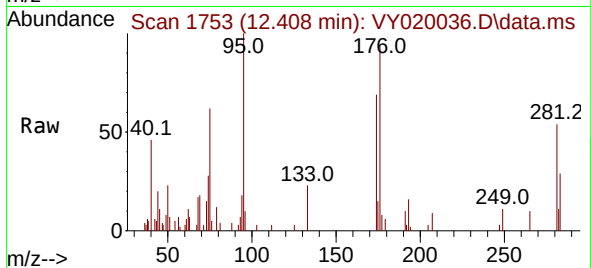
Tgt Ion: 95 Resp: 3669

Ion Ratio Lower Upper

95 100

174 68.2 0.0 175.6

176 75.7 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY020036.D

Acq: 28 Oct 2024 13:06

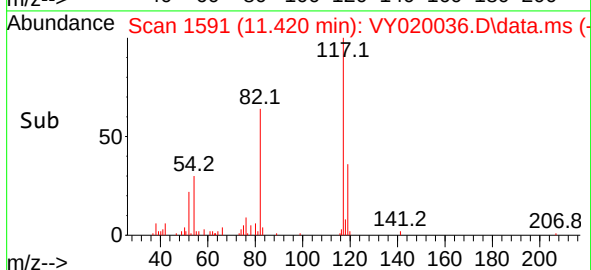
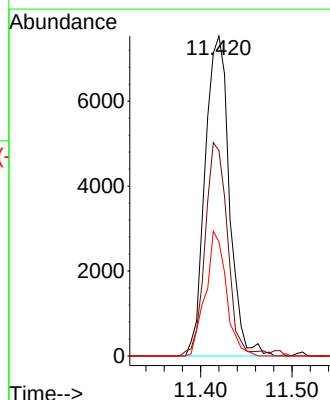
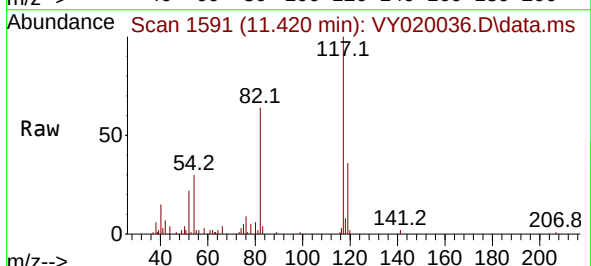
Tgt Ion: 117 Resp: 13869

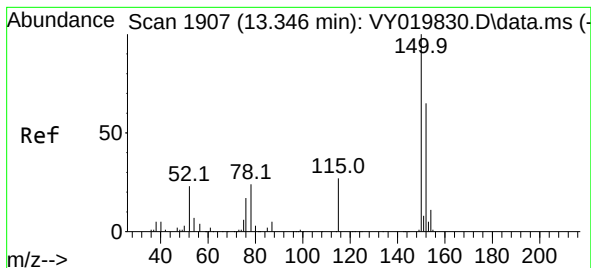
Ion Ratio Lower Upper

117 100

82 64.2 42.4 63.6#

119 35.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020036.D

Acq: 28 Oct 2024 13:06

Instrument :

MSVOA_Y

ClientSampleId :

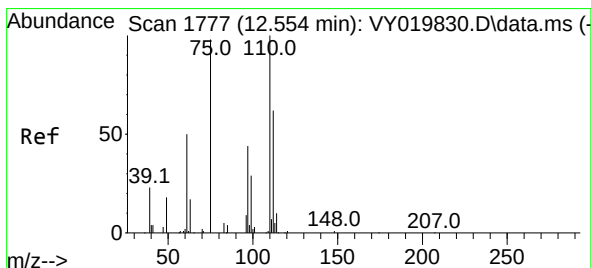
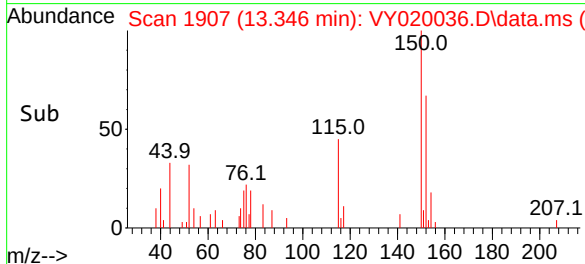
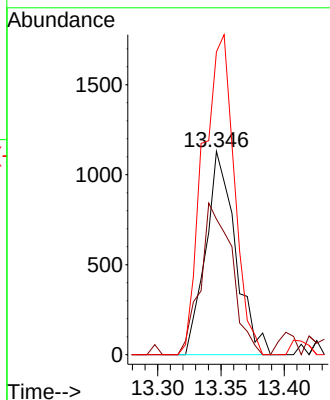
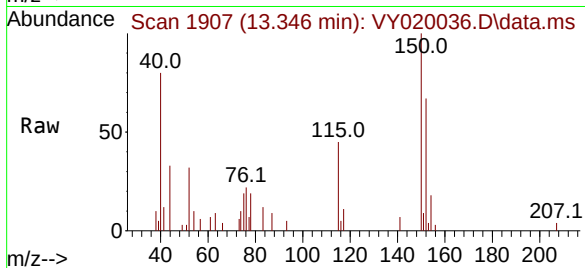
Tgt Ion:152 Resp: 1844

Ion Ratio Lower Upper

152 100

115 78.5 28.2 84.7

150 165.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 63.587 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020036.D

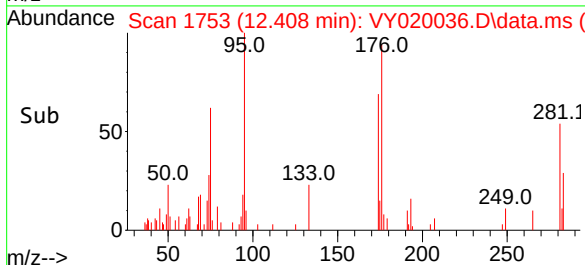
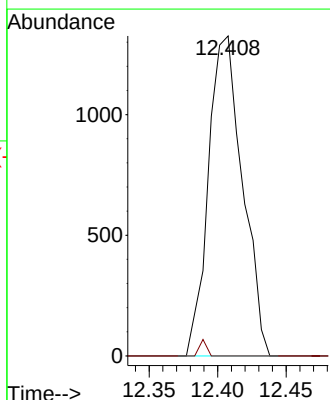
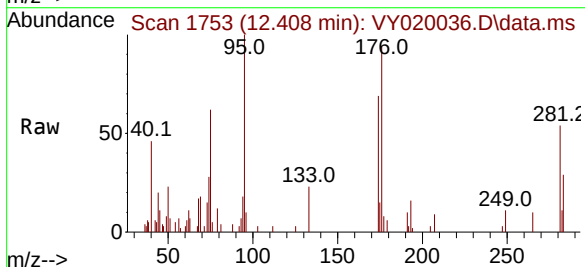
Acq: 28 Oct 2024 13:06

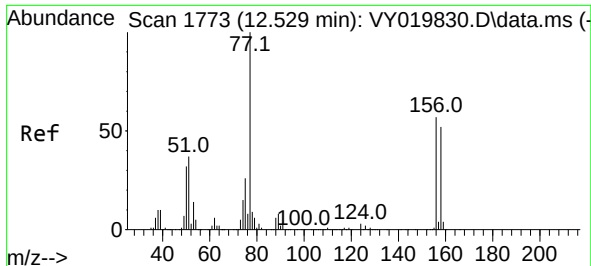
Tgt Ion: 75 Resp: 2297

Ion Ratio Lower Upper

75 100

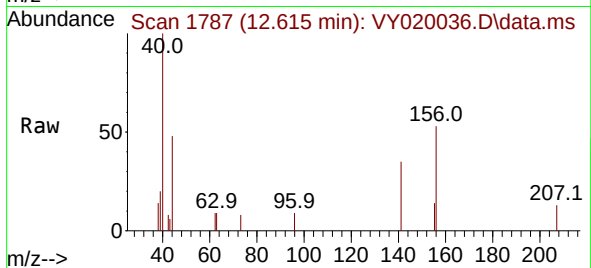
77 1.1 0.0 0.0#



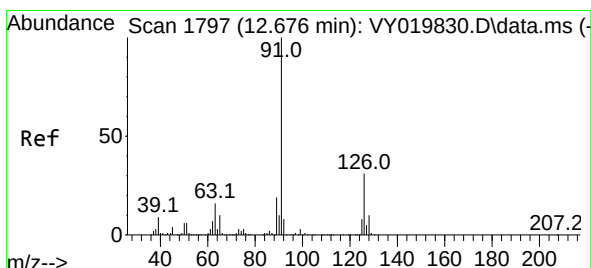
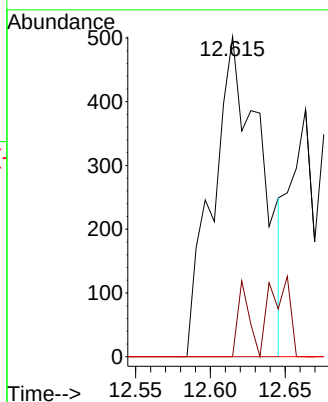
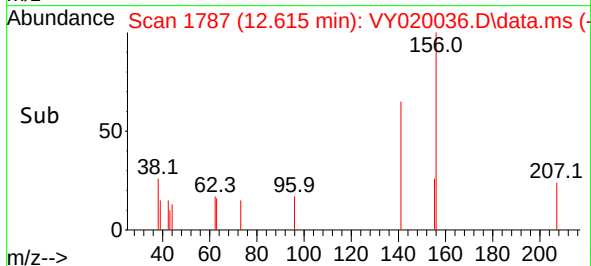


#77
Bromobenzene
Concen: 34.484 ug/l
RT: 12.615 min Scan# 1787
Delta R.T. 0.080 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

Instrument :
MSVOA_Y
ClientSampleId :

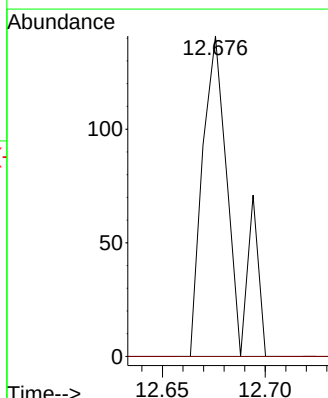
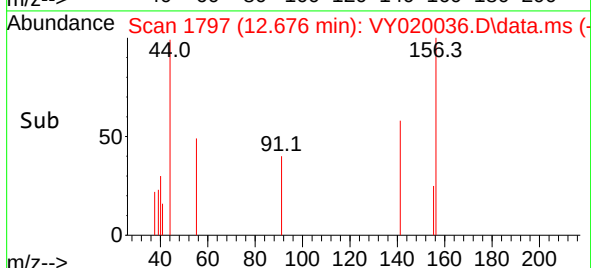
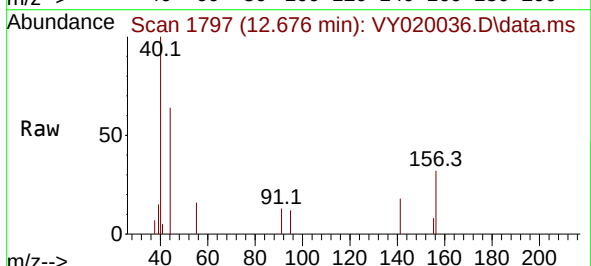


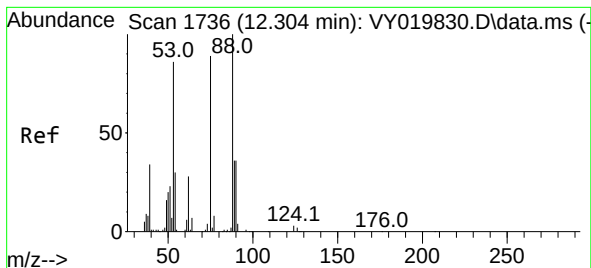
Tgt Ion:156 Resp: 1135
Ion Ratio Lower Upper
156 100
77 5.5 87.1 261.3#
158 0.0 48.6 145.9#



#79
2-Chlorotoluene
Concen: 1.284 ug/l
RT: 12.676 min Scan# 1797
Delta R.T. -0.006 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

Tgt Ion: 91 Resp: 138
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#

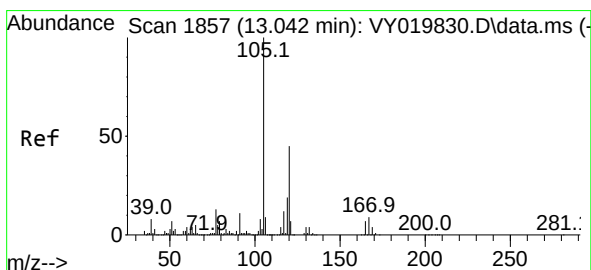
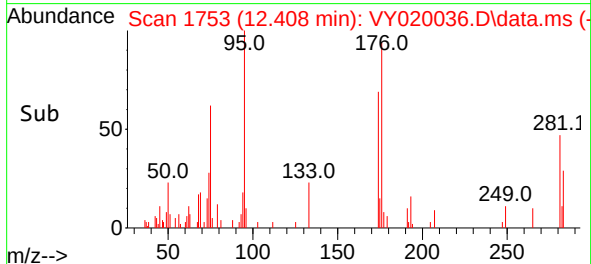
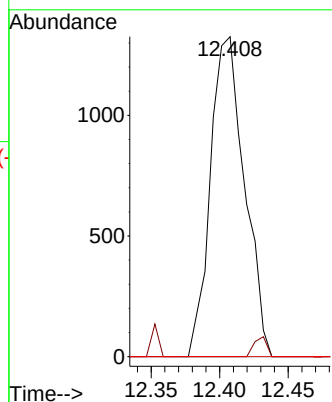
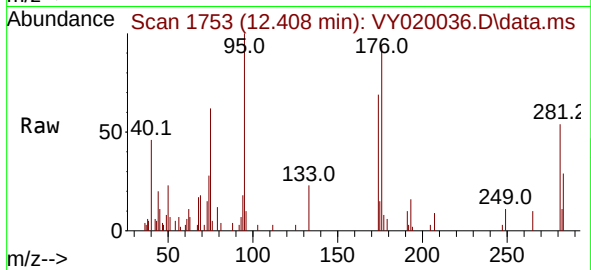




#81
trans-1,4-Dichloro-2-butene
Concen: 256.661 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

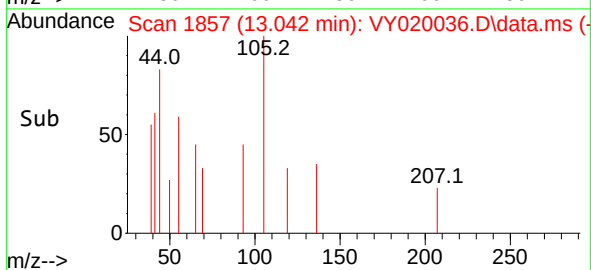
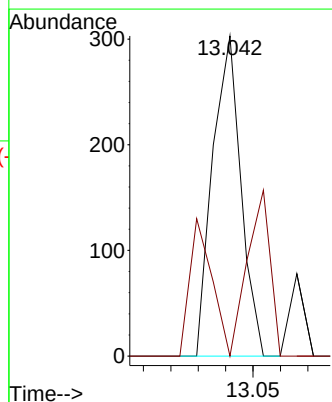
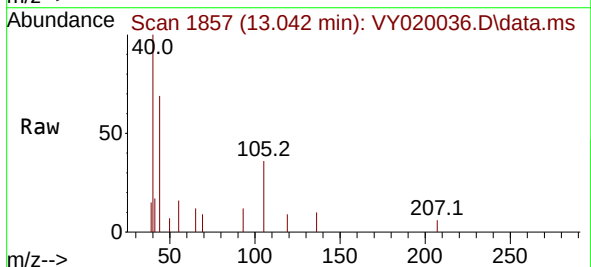
Instrument :
MSVOA_Y
ClientSampleId :

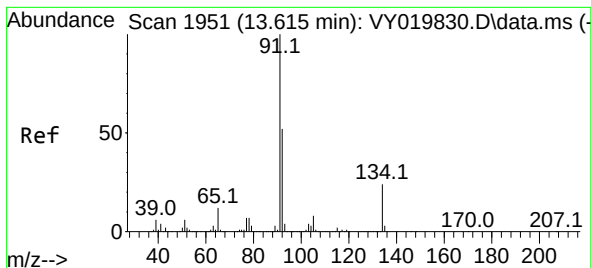
Tgt Ion: 75 Resp: 2297
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.747 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

Tgt Ion: 105 Resp: 217
Ion Ratio Lower Upper
105 100
120 33.6 23.2 69.6





#89

n-Butylbenzene

Concen: 1.369 ug/l

RT: 13.609 min Scan# 1951

Delta R.T. -0.012 min

Lab File: VY020036.D

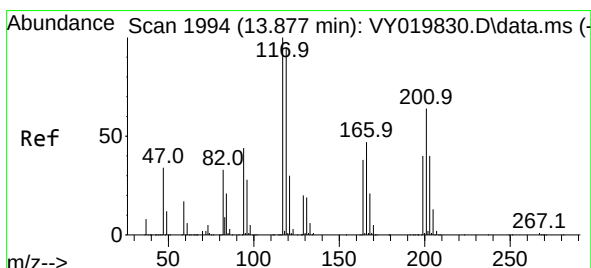
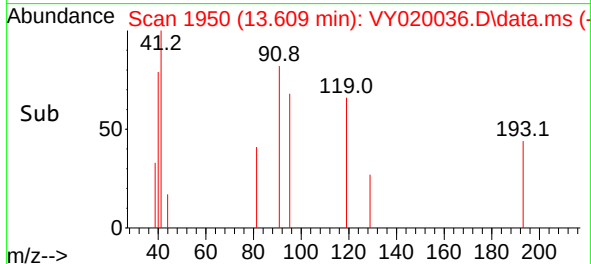
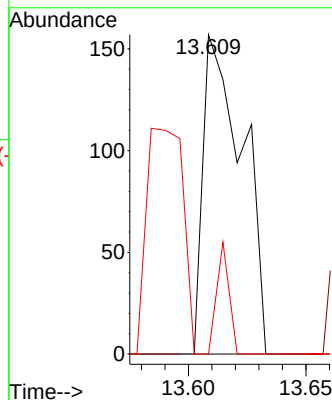
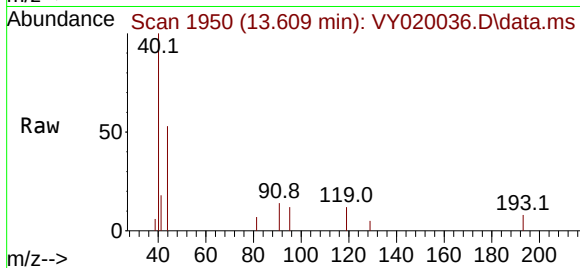
Acq: 28 Oct 2024 13:06

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91	Resp:	182
Ion Ratio	Lower	Upper
91	100	
92	0.0	26.6 79.7#
134	11.0	12.9 38.7#



#90

Hexachloroethane

Concen: 3.584 ug/l

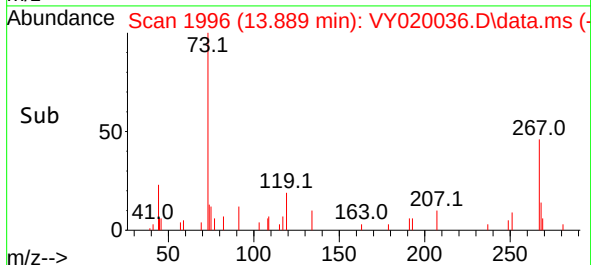
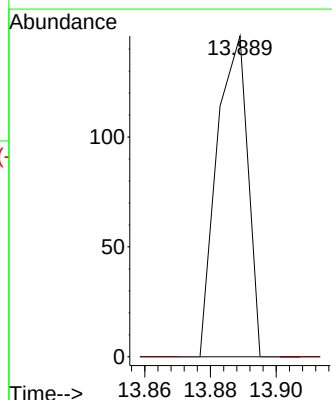
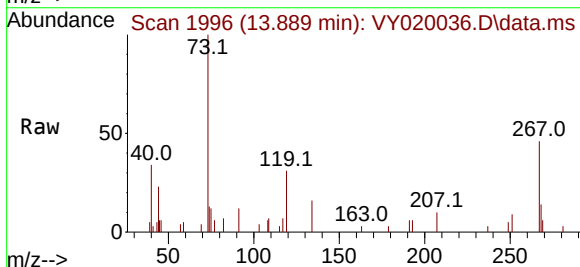
RT: 13.889 min Scan# 1996

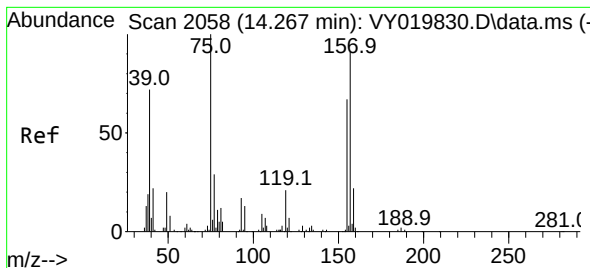
Delta R.T. 0.006 min

Lab File: VY020036.D

Acq: 28 Oct 2024 13:06

Tgt Ion: 117	Resp:	95
Ion Ratio	Lower	Upper
117	100	
201	0.0	37.4 112.2#

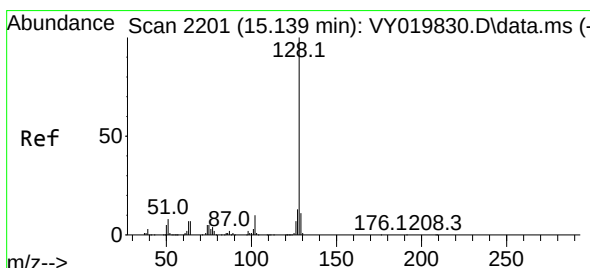
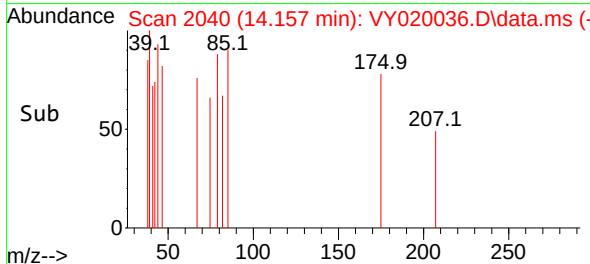
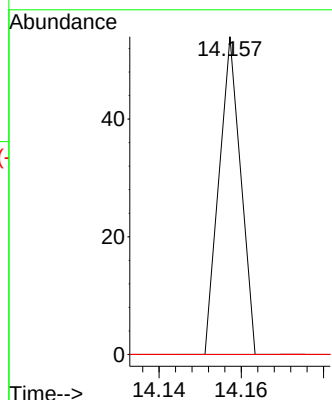
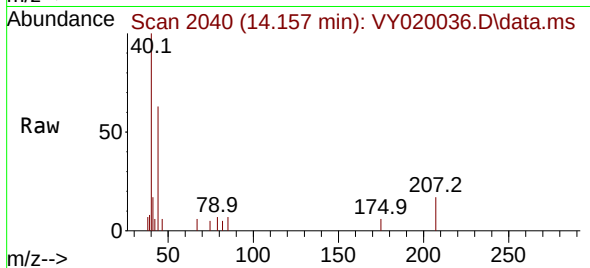




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.547 ug/l
RT: 14.157 min Scan# 2058
Delta R.T. -0.116 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 8.030 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY020036.D
Acq: 28 Oct 2024 13:06

Tgt Ion: 128 Resp: 496
Ion Ratio Lower Upper
128 100
127 9.5 10.6 16.0#
129 6.9 8.6 13.0#

