

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101024\
 Data File : VY019855.D
 Acq On : 10 Oct 2024 15:41
 Operator : SY/MD
 Sample : P4364-08
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 01:44:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

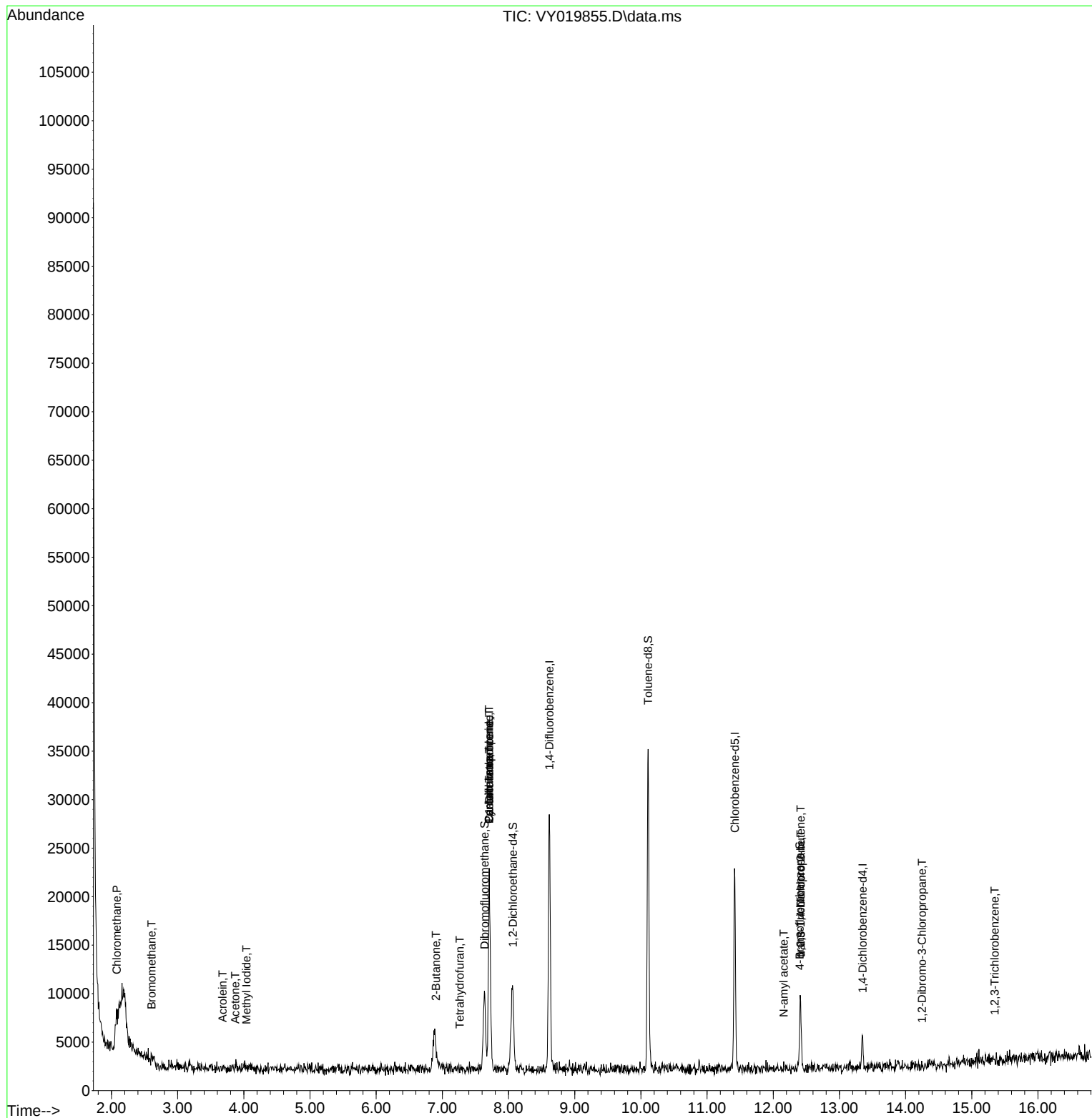
Internal Standards						
1) Pentafluorobenzene	7.707	168	13195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	21869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	10759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	1024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	5800	35.699	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	71.400%		
35) Dibromofluoromethane	7.640	113	6130	42.478	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.960%		
50) Toluene-d8	10.109	98	21705	40.728	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	81.460%		
62) 4-Bromofluorobenzene	12.401	95	1820	9.452	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	18.900%#		
Target Compounds						Qvalue
3) Chloromethane	2.080	50	235	1.470	ug/l #	43
5) Bromomethane	2.604	94	237	2.128	ug/l #	67
10) Methyl Iodide	4.037	142	206	1.338	ug/l #	36
11) Tert butyl alcohol	4.860	59	74	Below Cal	#	74
13) Acrolein	3.677	56	22	1.843	ug/l #	14
16) Acetone	3.872	43	558	13.194	ug/l #	45
25) 2-Butanone	6.902	43	213	3.763	ug/l #	51
29) Tetrahydrofuran	7.262	42	52	1.609	ug/l #	35
31) Cyclohexane	7.707	56	520	1.916	ug/l #	77
36) 1,1-Dichloropropene	7.707	75	1785	8.586	ug/l #	45
38) Carbon Tetrachloride	7.707	117	1625	7.291	ug/l #	20
74) N-amyl acetate	12.158	43	61	2.674	ug/l #	44
76) 1,2,3-Trichloropropane	12.414	75	1193	111.886	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	1193	240.049	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.249	75	100	40.941	ug/l #	5
96) 1,2,3-Trichlorobenzene	15.346	180	50	3.252	ug/l #	13

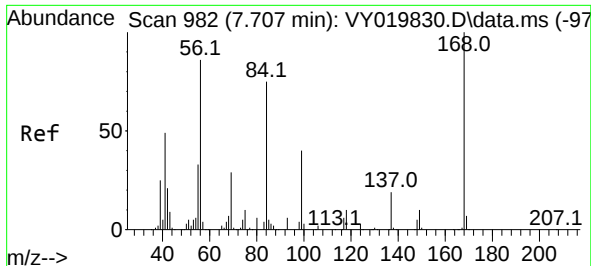
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

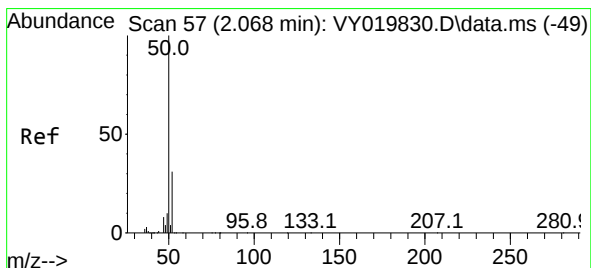
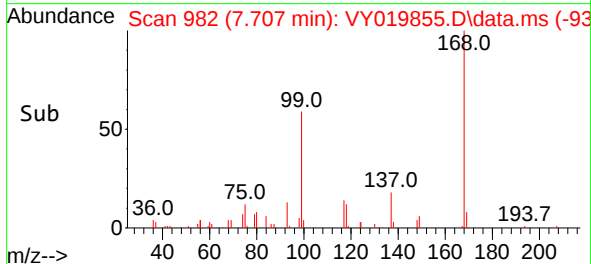
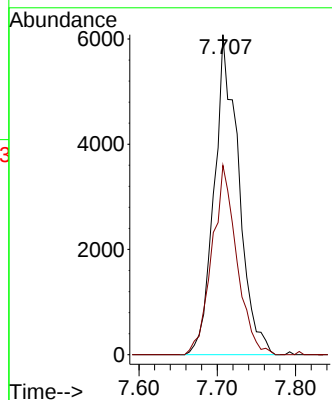
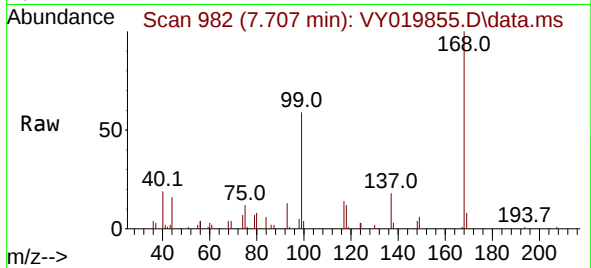




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

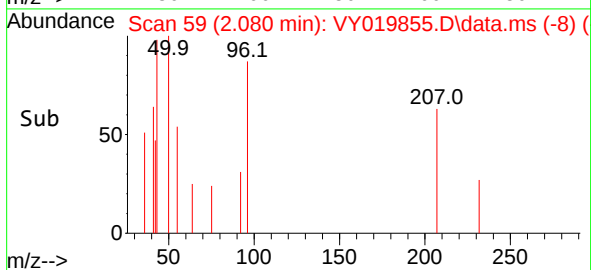
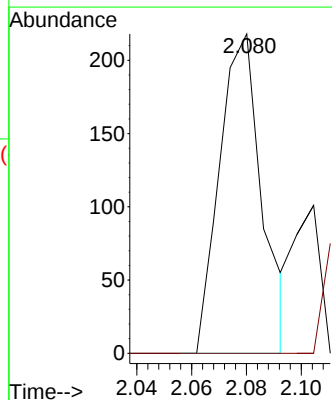
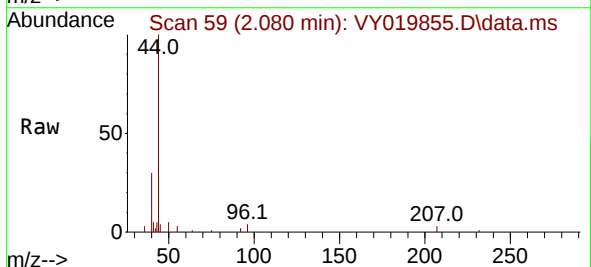
Instrument :
MSVOA_Y
ClientSampleId :

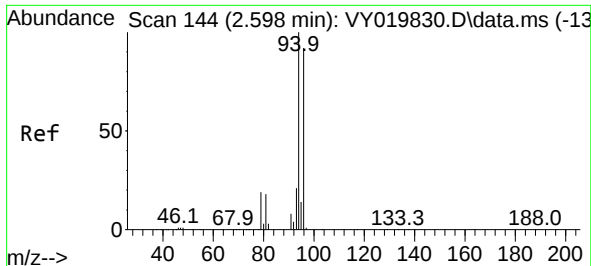
Tgt Ion:168 Resp: 13195
Ion Ratio Lower Upper
168 100
99 59.2 52.6 78.8



#3
Chloromethane
Concen: 1.470 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.012 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

Tgt Ion: 50 Resp: 235
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

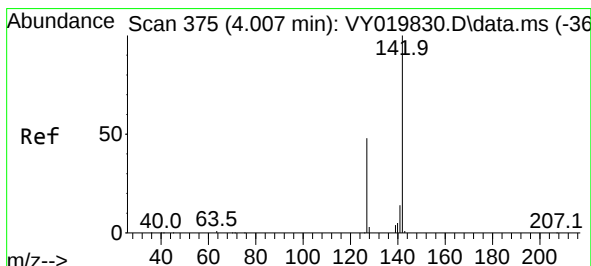
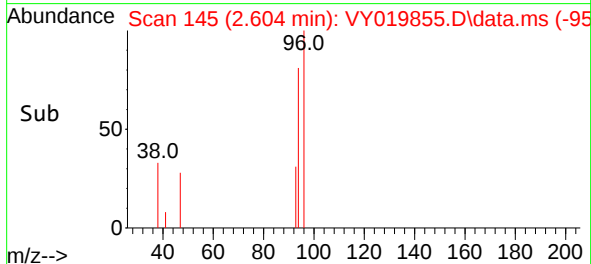
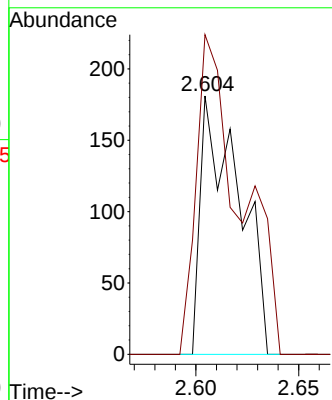
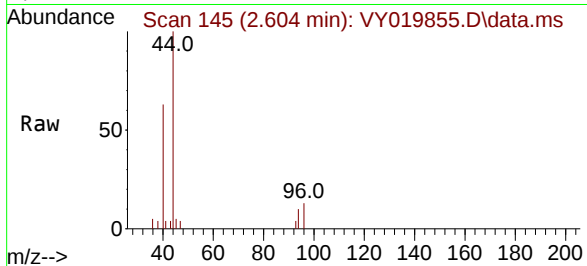




#5
Bromomethane
Concen: 2.128 ug/l
RT: 2.604 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

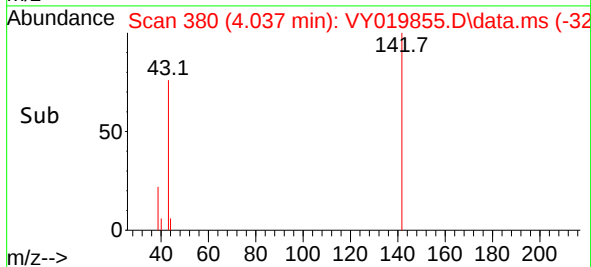
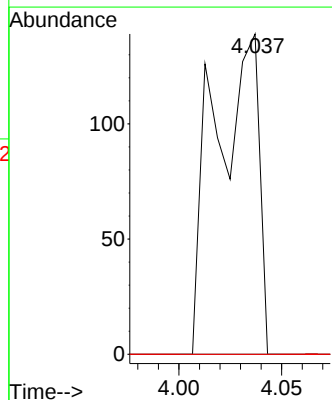
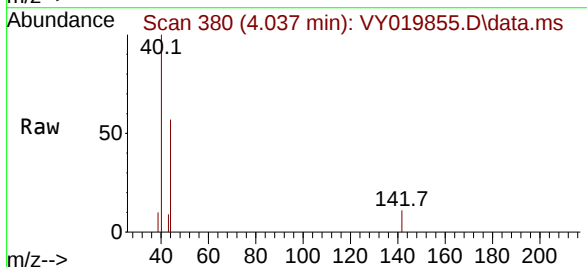
Instrument :
MSVOA_Y
ClientSampleId :

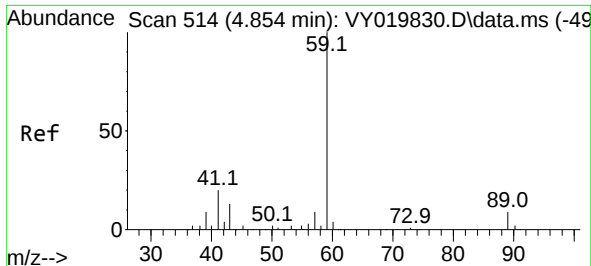
Tgt Ion: 94 Resp: 237
Ion Ratio Lower Upper
94 100
96 123.8 73.6 110.4#



#10
Methyl Iodide
Concen: 1.338 ug/l
RT: 4.037 min Scan# 380
Delta R.T. 0.030 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

Tgt Ion:142 Resp: 206
Ion Ratio Lower Upper
142 100
127 0.0 39.4 59.2#
141 0.0 11.7 17.5#

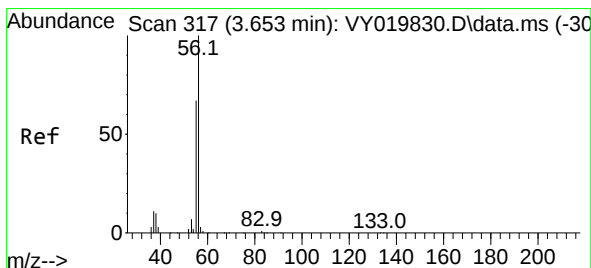
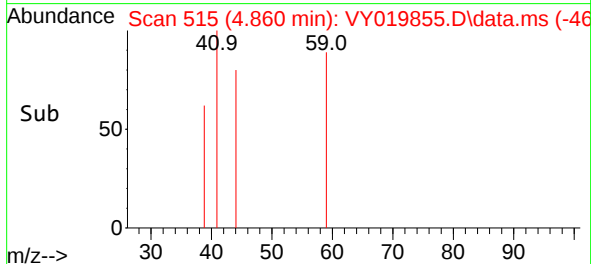
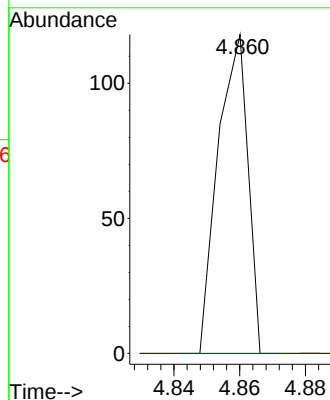
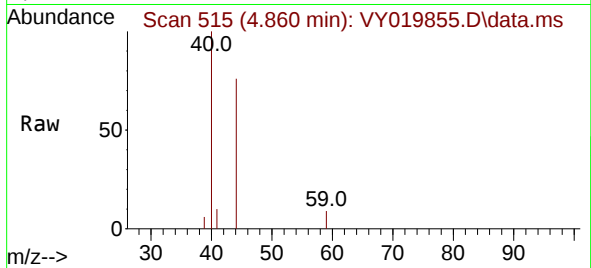




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

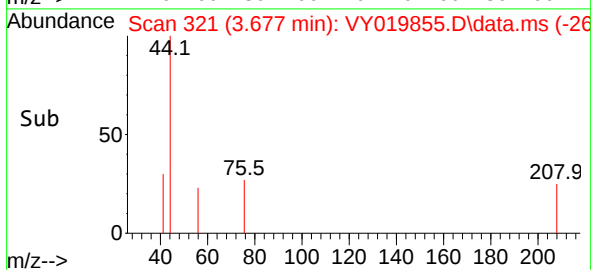
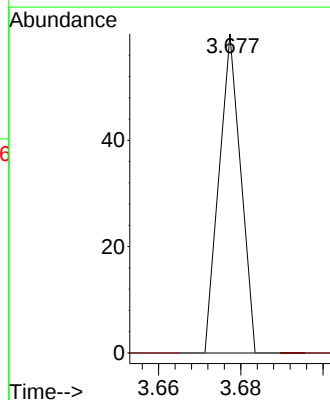
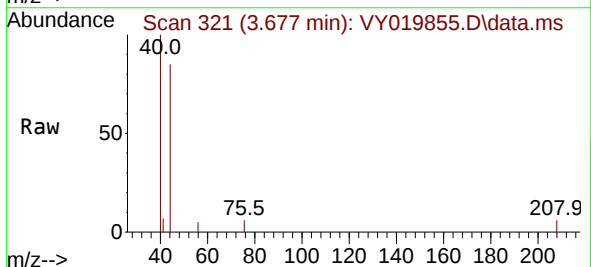
Instrument :
MSVOA_Y
ClientSampleId :

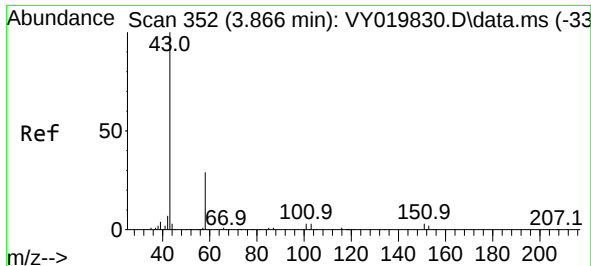
Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#13
Acrolein
Concen: 1.843 ug/l
RT: 3.677 min Scan# 321
Delta R.T. 0.024 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

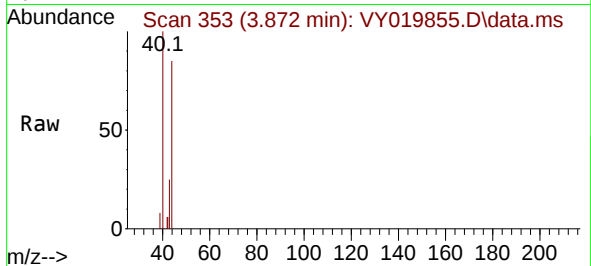
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



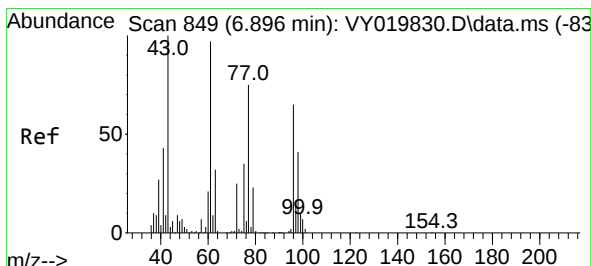
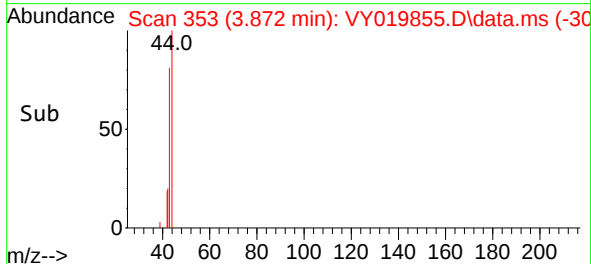
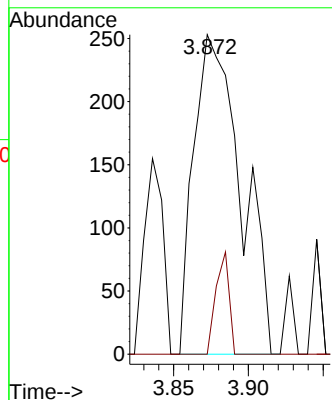


#16
Acetone
Concen: 13.194 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

Instrument :
MSVOA_Y
ClientSampleId :

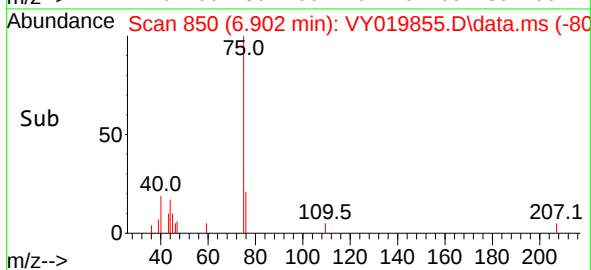
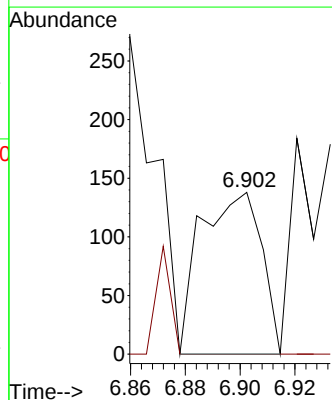
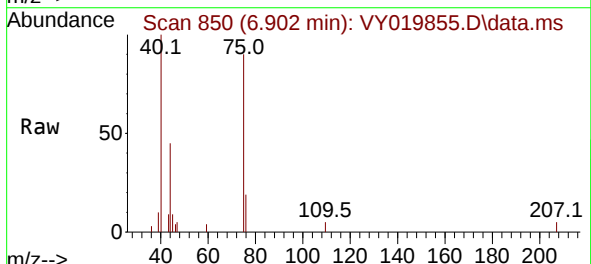


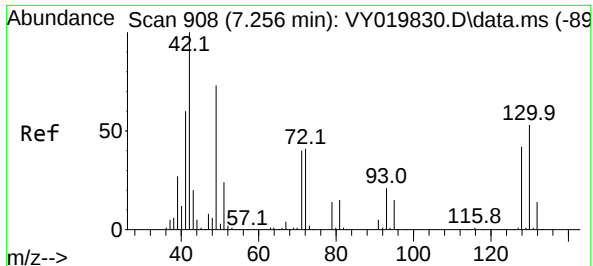
Tgt Ion: 43 Resp: 558
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



#25
2-Butanone
Concen: 3.763 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#





#29

Tetrahydrofuran

Concen: 1.609 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

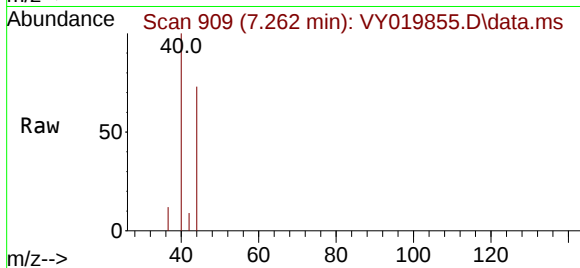
Lab File: VY019855.D

Acq: 10 Oct 2024 15:41

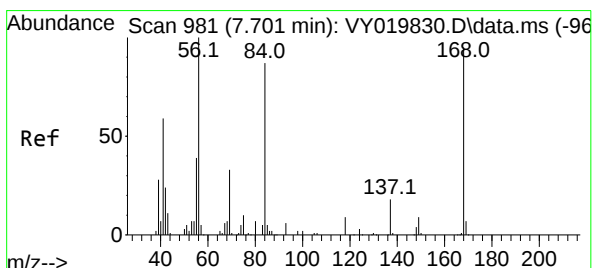
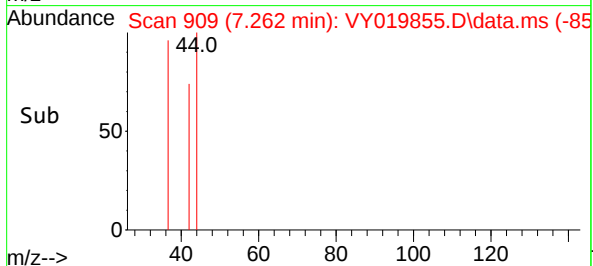
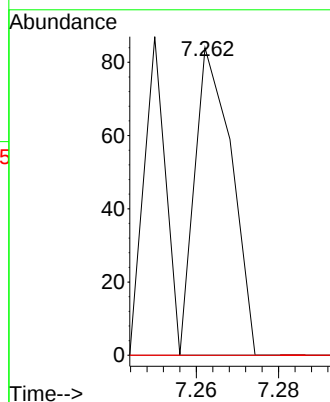
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	52
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.0#
71	0.0	31.6	47.4#



#31

Cyclohexane

Concen: 1.916 ug/l

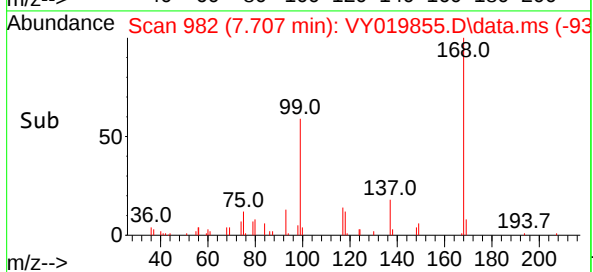
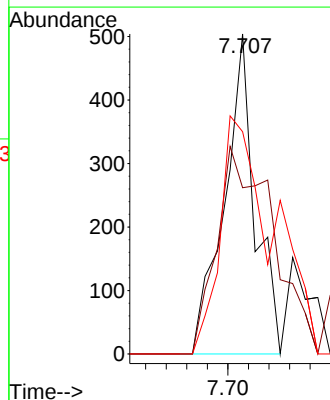
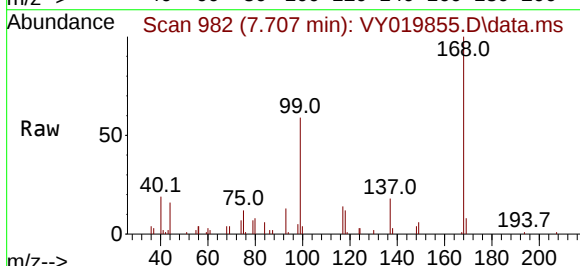
RT: 7.707 min Scan# 982

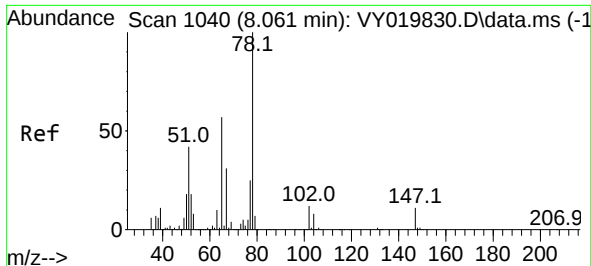
Delta R.T. 0.006 min

Lab File: VY019855.D

Acq: 10 Oct 2024 15:41

Tgt Ion:	56	Resp:	520
Ion	Ratio	Lower	Upper
56	100		
69	52.0	26.6	39.8#
84	69.4	69.6	104.4#





#33

1,2-Dichloroethane-d4

Concen: 35.699 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY019855.D

Acq: 10 Oct 2024 15:41

Instrument :

MSVOA_Y

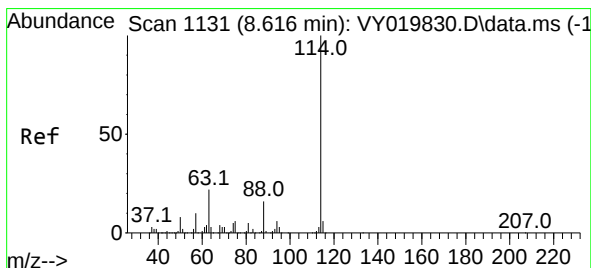
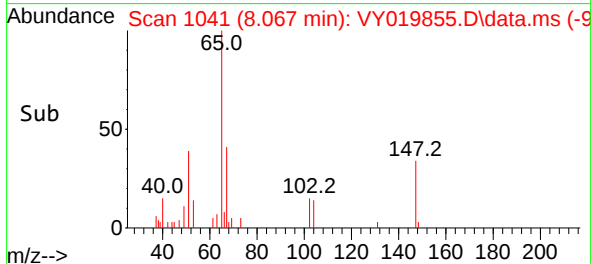
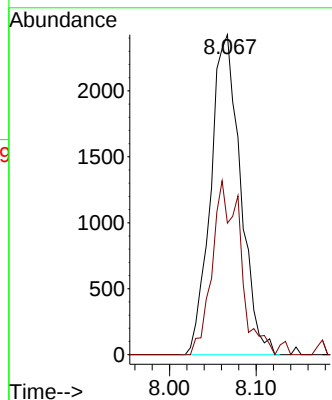
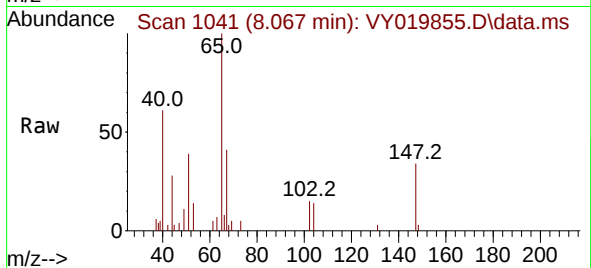
ClientSampleId :

Tgt Ion: 65 Resp: 5800

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019855.D

Acq: 10 Oct 2024 15:41

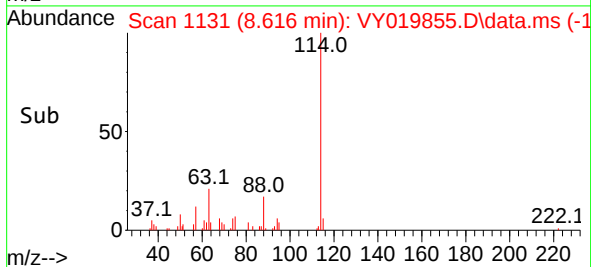
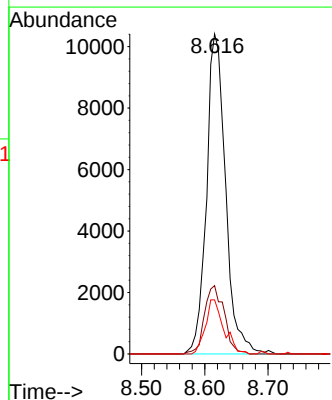
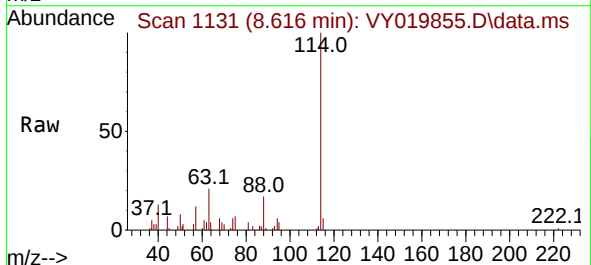
Tgt Ion: 114 Resp: 21869

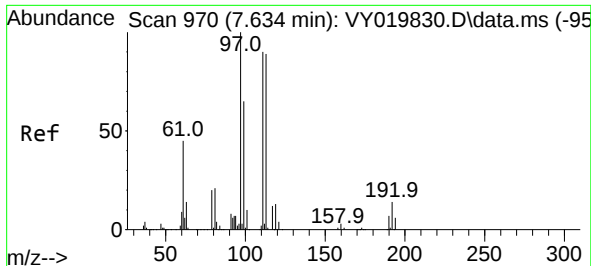
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

88 16.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 42.478 ug/l

RT: 7.640 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY019855.D

Acq: 10 Oct 2024 15:41

Instrument :

MSVOA_Y

ClientSampleId :

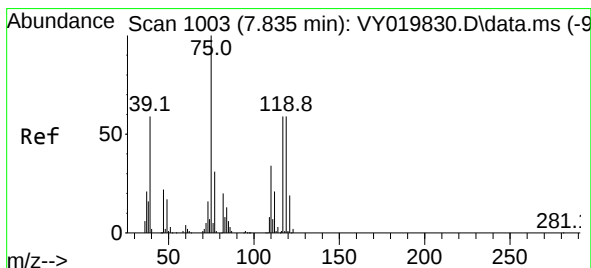
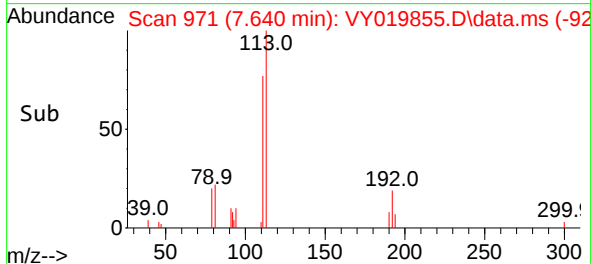
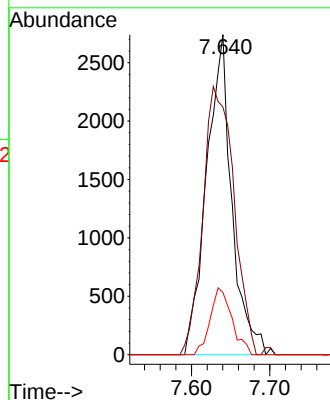
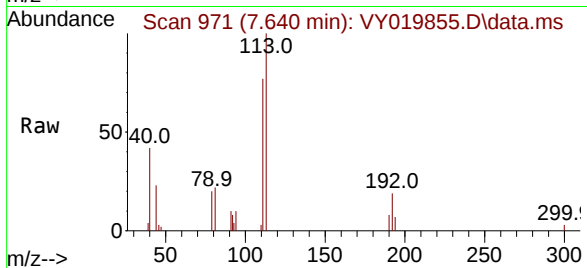
Tgt Ion:113 Resp: 6130

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 18.0 13.6 20.4



#36

1,1-Dichloropropene

Concen: 8.586 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY019855.D

Acq: 10 Oct 2024 15:41

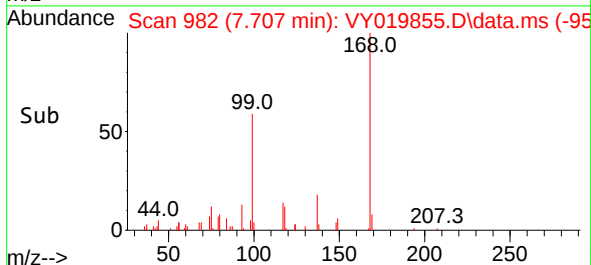
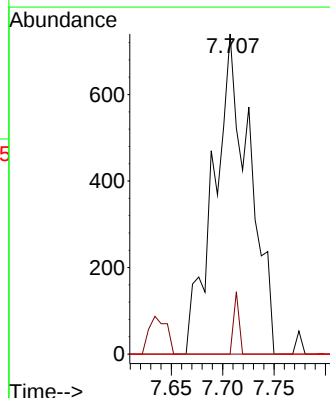
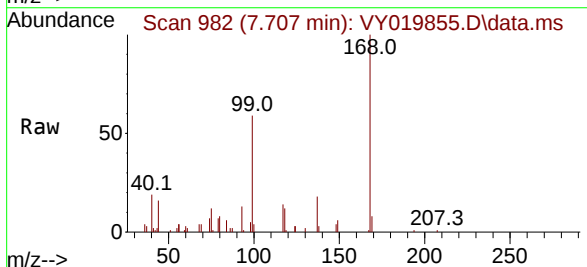
Tgt Ion: 75 Resp: 1785

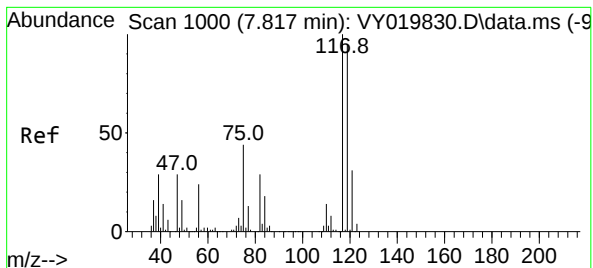
Ion Ratio Lower Upper

75 100

110 3.0 16.6 49.8#

77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 7.291 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

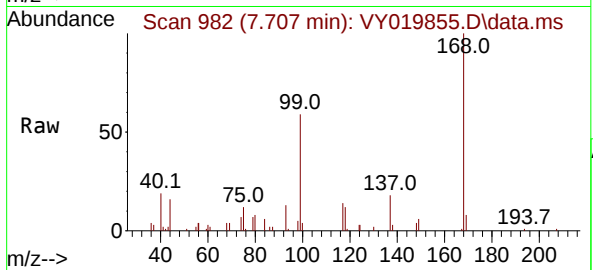
Lab File: VY019855.D

Acq: 10 Oct 2024 15:41

Instrument :

MSVOA_Y

ClientSampleId :



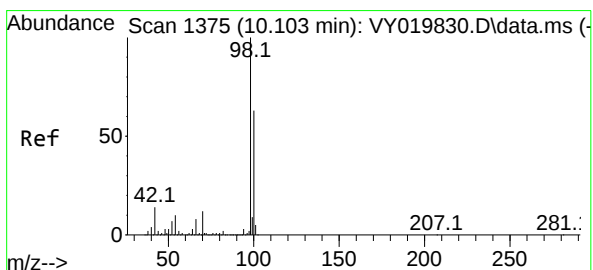
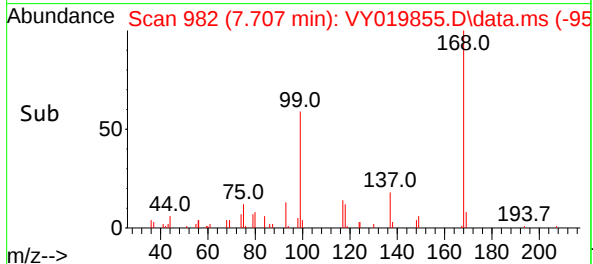
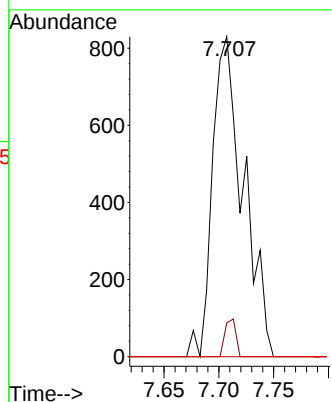
Tgt Ion:117 Resp: 1625

Ion Ratio Lower Upper

117 100

119 10.5 76.2 114.4#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 40.728 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY019855.D

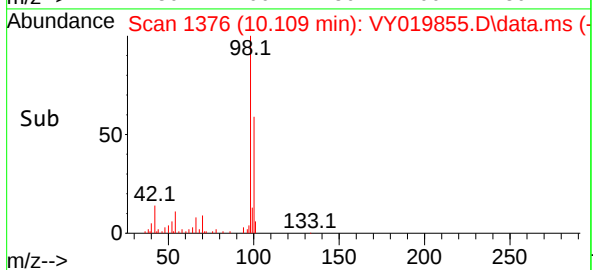
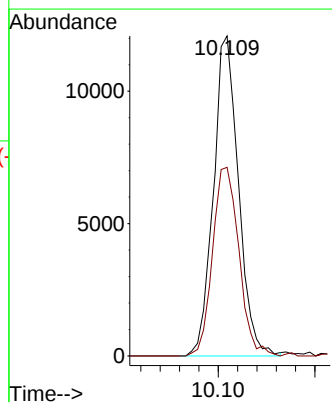
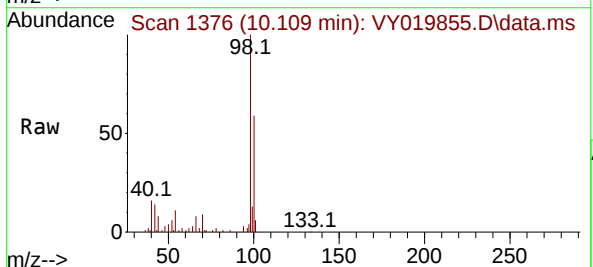
Acq: 10 Oct 2024 15:41

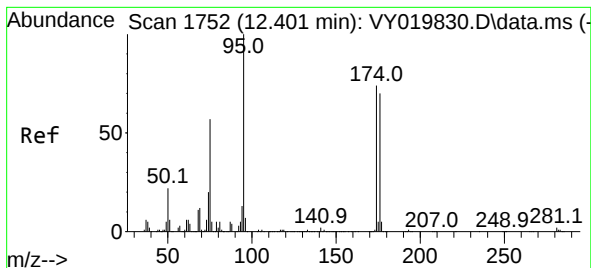
Tgt Ion: 98 Resp: 21705

Ion Ratio Lower Upper

98 100

100 62.0 51.1 76.7

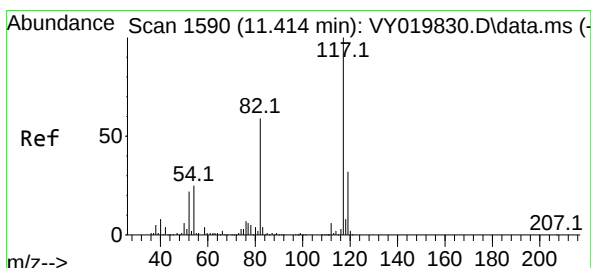
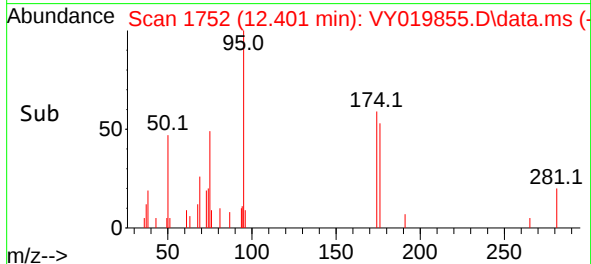
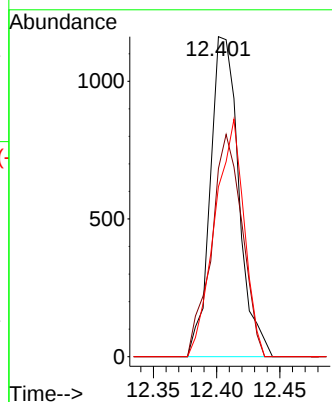
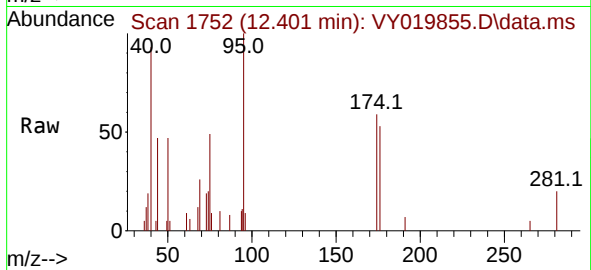




#62
4-Bromofluorobenzene
Concen: 9.452 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

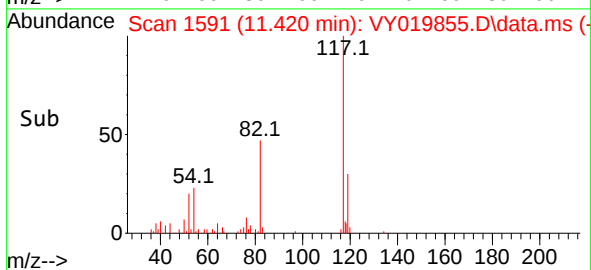
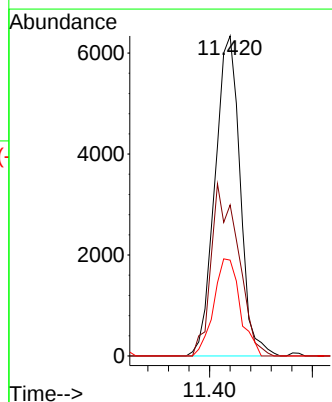
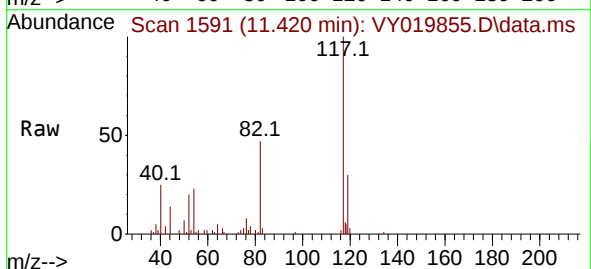
Instrument :
MSVOA_Y
ClientSampleId :

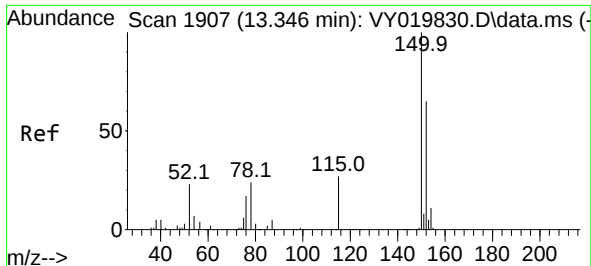
Tgt Ion: 95 Resp: 1820
Ion Ratio Lower Upper
95 100
174 75.0 0.0 148.0
176 76.2 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

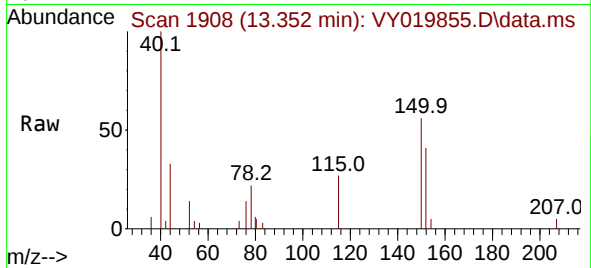
Tgt Ion: 117 Resp: 10759
Ion Ratio Lower Upper
117 100
82 47.2 46.9 70.3
119 29.9 25.4 38.2



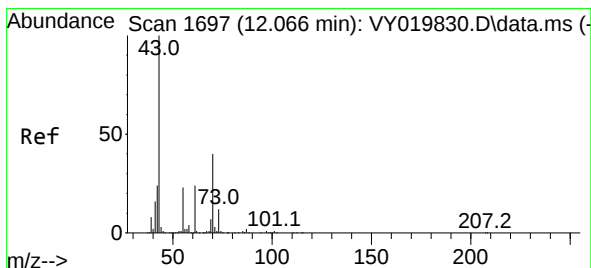
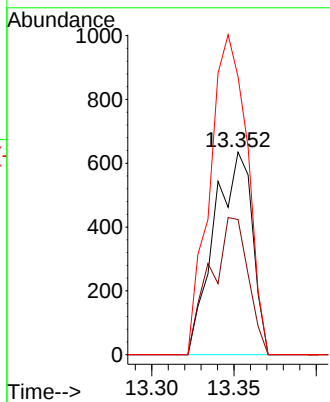
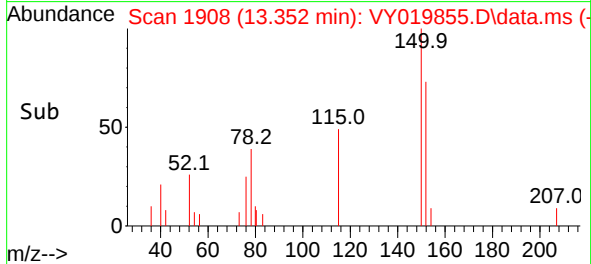


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

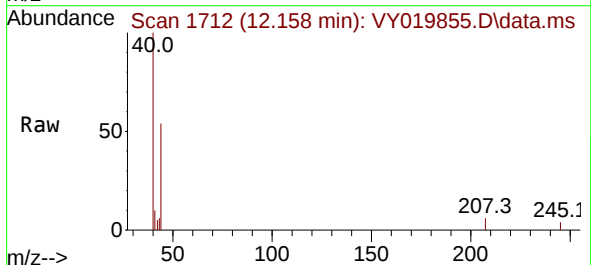
Instrument :
MSVOA_Y
ClientSampleId :



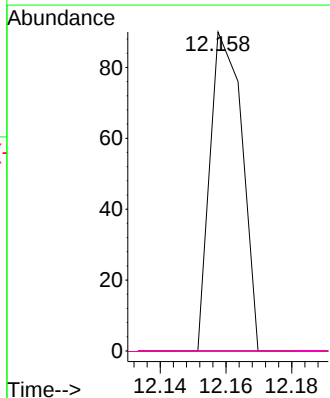
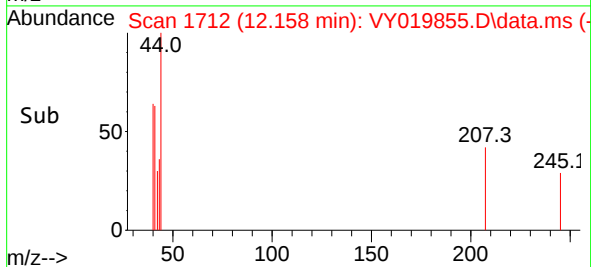
Tgt Ion:152 Resp: 1024
Ion Ratio Lower Upper
152 100
115 66.6 30.8 92.3
150 155.2 0.0 352.8

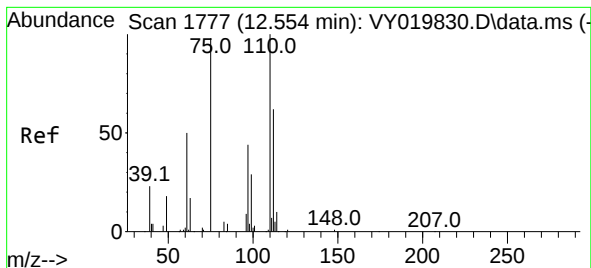


#74
N-ethyl acetate
Concen: 2.674 ug/l
RT: 12.158 min Scan# 1712
Delta R.T. 0.091 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41



Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
70 0.0 32.8 49.2#
55 0.0 19.3 28.9#
61 0.0 19.1 28.7#

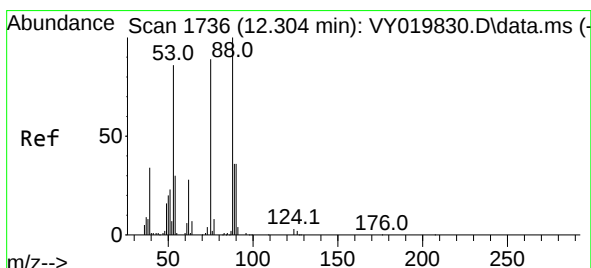
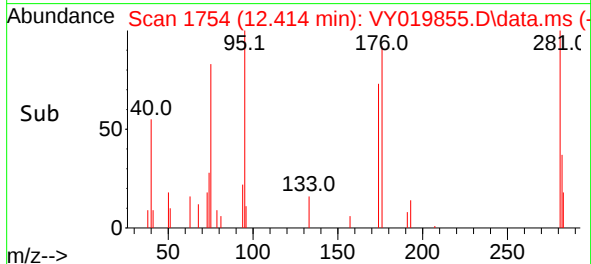
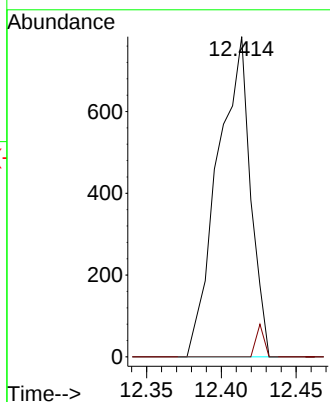
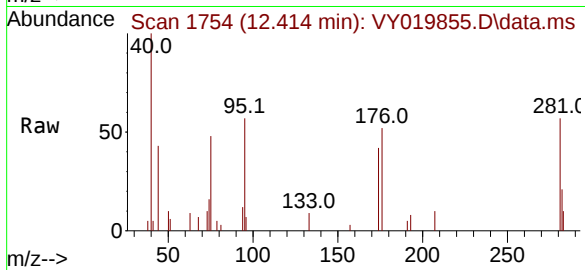




#76
1,2,3-Trichloropropane
Concen: 111.886 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.140 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

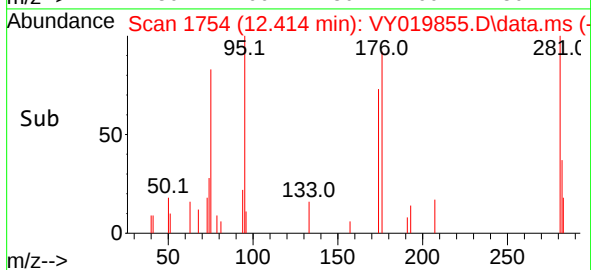
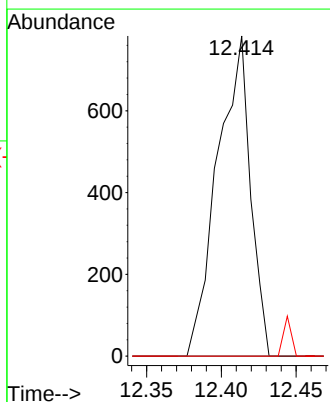
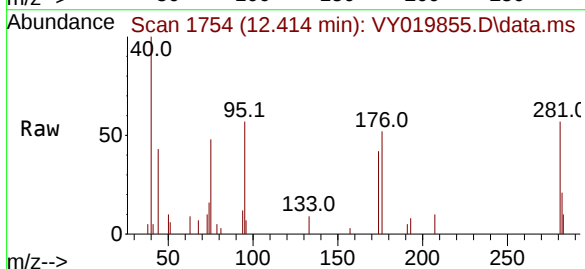
Instrument :
MSVOA_Y
ClientSampleId :

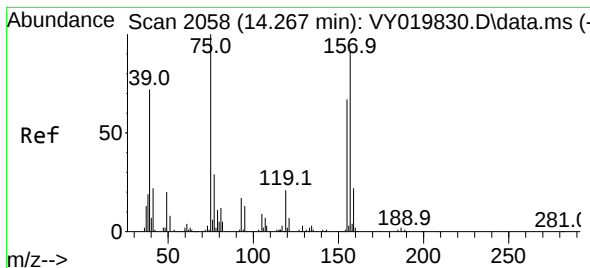
Tgt Ion: 75 Resp: 1193
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 240.049 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

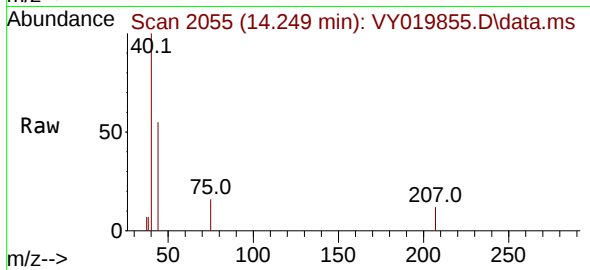
Tgt Ion: 75 Resp: 1193
Ion Ratio Lower Upper
75 100
53 0.0 84.7 127.1#
89 0.0 35.4 53.2#



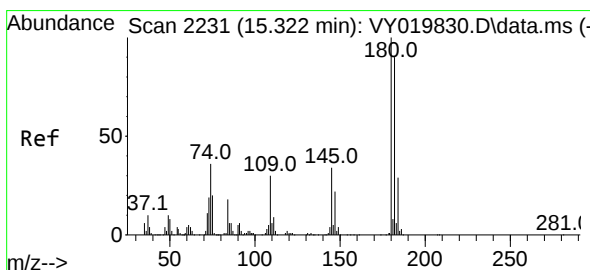
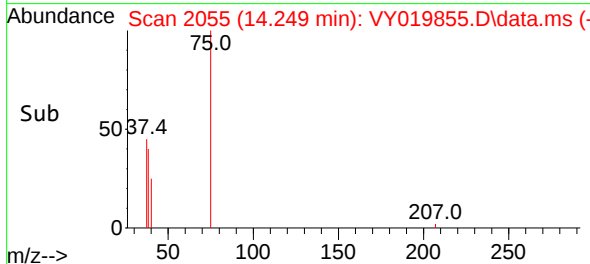
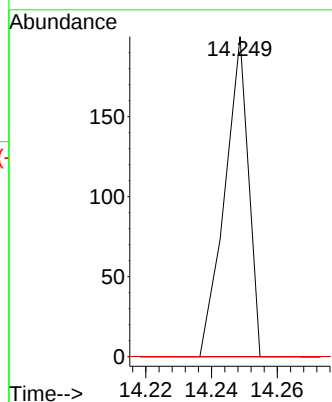


#92
1,2-Dibromo-3-Chloropropane
Concen: 40.941 ug/l
RT: 14.249 min Scan# 2055
Delta R.T. -0.018 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 100
Ion Ratio Lower Upper
75 100
155 0.0 38.5 115.5#
157 0.0 49.9 149.7#



#96
1,2,3-Trichlorobenzene
Concen: 3.252 ug/l
RT: 15.346 min Scan# 2235
Delta R.T. 0.024 min
Lab File: VY019855.D
Acq: 10 Oct 2024 15:41

Tgt Ion: 180 Resp: 50
Ion Ratio Lower Upper
180 100
182 0.0 46.8 140.4#
145 0.0 16.9 50.6#

