

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
 Data File : VY020692.D
 Acq On : 23 Dec 2024 15:24
 Operator : SY/MD
 Sample : VY1223SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 15:44:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 14:10:31 2024
 Response via : Initial Calibration

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

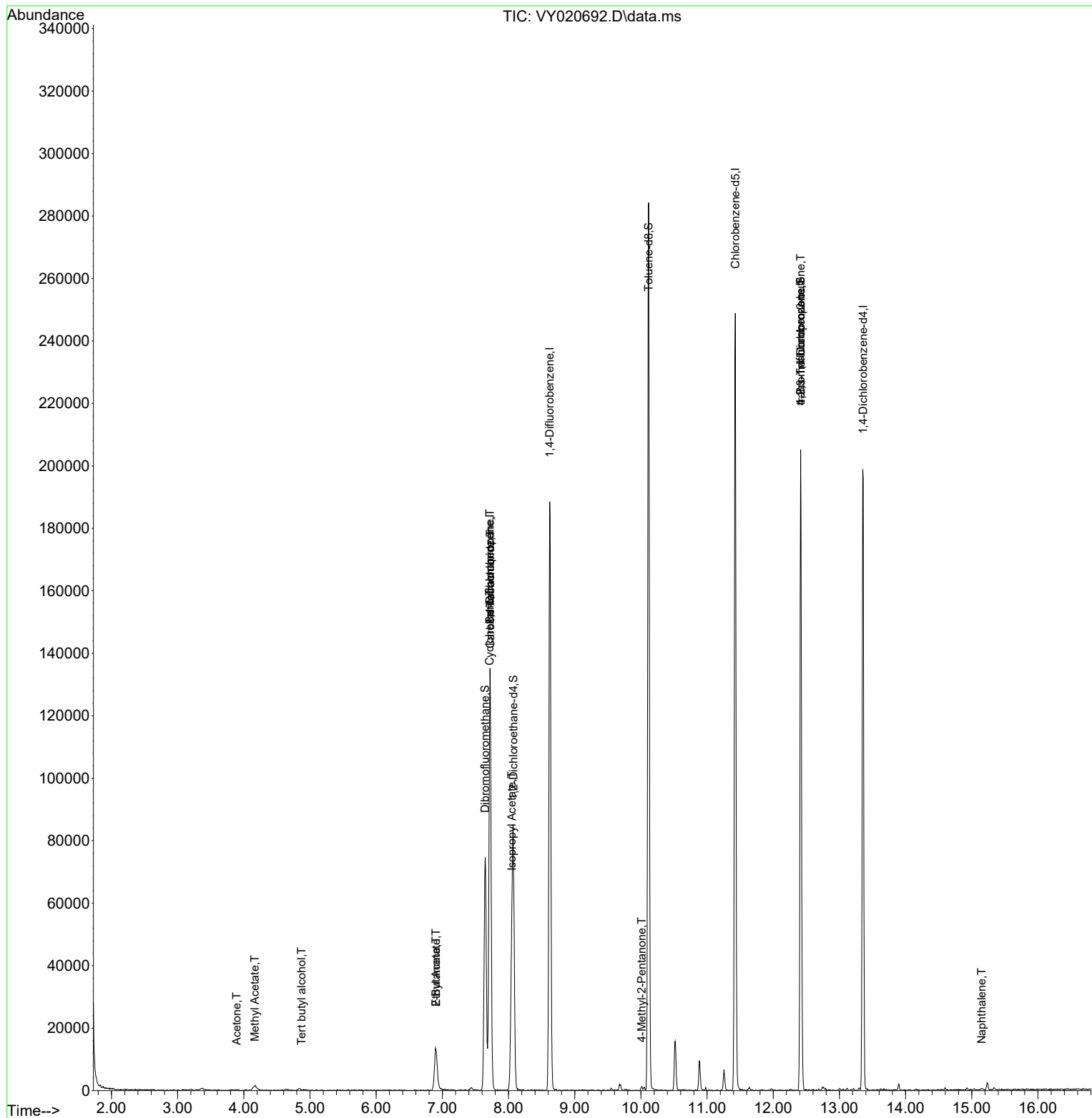
Internal Standards						
1) Pentafluorobenzene	7.719	168	103684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	162906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	133896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	51849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	53612	58.384	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.760%
35) Dibromofluoromethane	7.646	113	51000	53.317	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.640%
50) Toluene-d8	10.115	98	186585	53.705	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.420%
62) 4-Bromofluorobenzene	12.414	95	55859	44.174	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	88.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	106	1.580	ug/l #	75
16) Acetone	3.891	43	192	1.831	ug/l #	43
18) Methyl Acetate	4.165	43	849	3.129	ug/l #	51
25) 2-Butanone	6.902	43	685	4.649	ug/l #	49
31) Cyclohexane	7.713	56	1992	1.838	ug/l #	39
36) 1,1-Dichloropropene	7.719	75	7385	6.352	ug/l #	53
37) Ethyl Acetate	6.902	43	685	1.803	ug/l #	1
38) Carbon Tetrachloride	7.726	117	11117	5.909	ug/l #	16
43) Isopropyl Acetate	8.049	43	800	1.013	ug/l #	1
51) 4-Methyl-2-Pentanone	10.012	43	694	1.759	ug/l	89
76) 1,2,3-Trichloropropane	12.414	75	31640	88.486	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	31640	192.349	ug/l #	12
95) Naphthalene	15.151	128	559	3.855	ug/l #	73

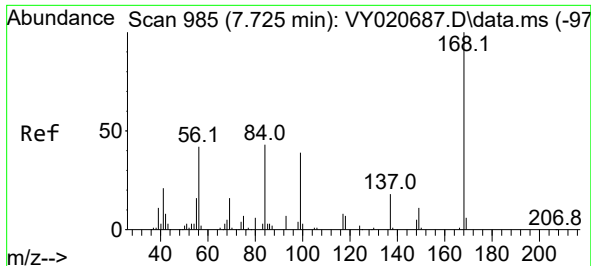
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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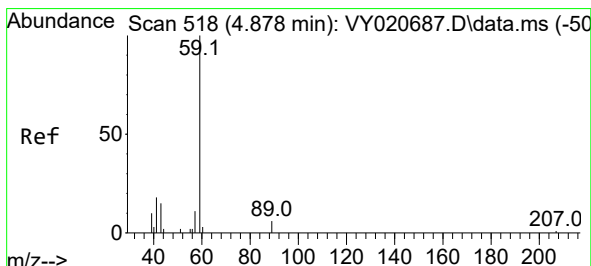
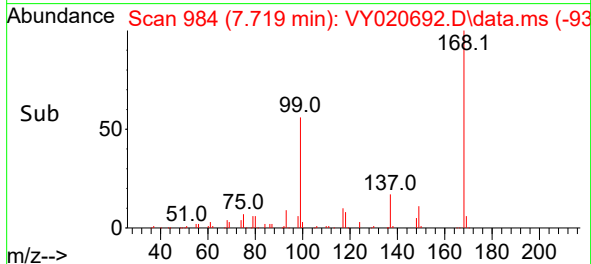
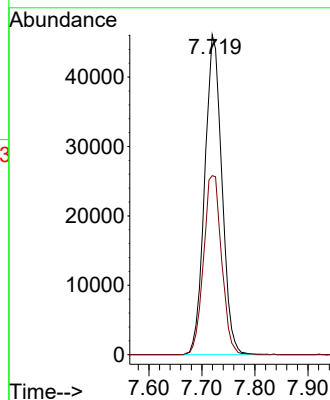
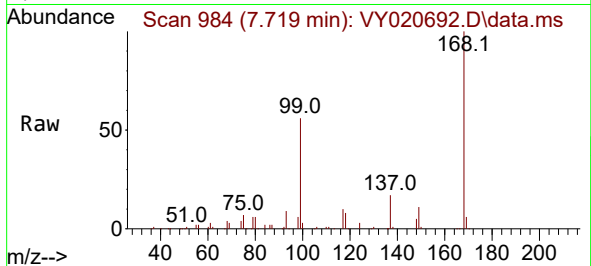




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

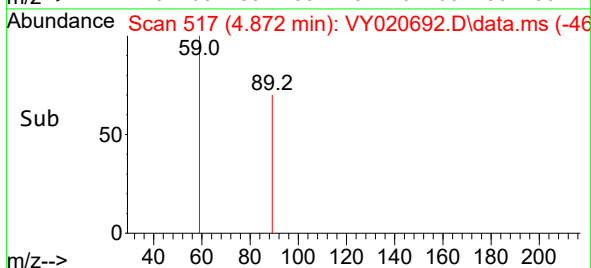
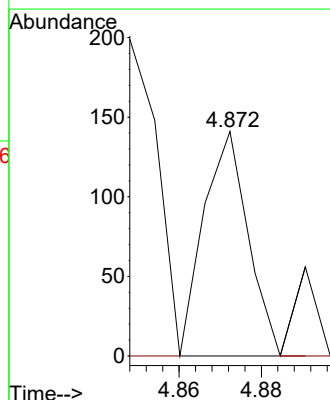
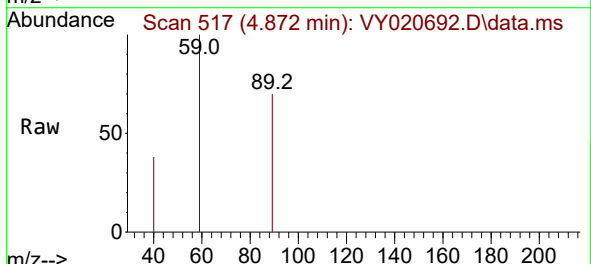
Instrument :
MSVOA_Y
ClientSampleId :

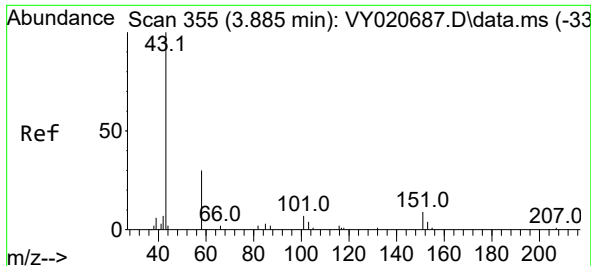
Tgt Ion:168 Resp: 103684
Ion Ratio Lower Upper
168 100
99 56.0 47.0 70.6



#11
Tert butyl alcohol
Concen: 1.580 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

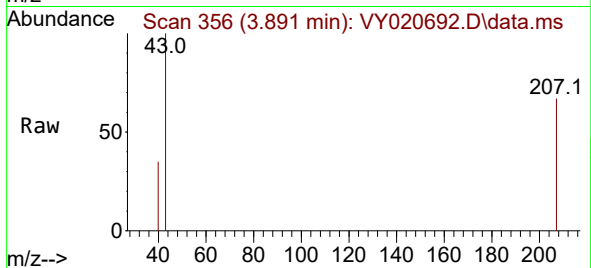
Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



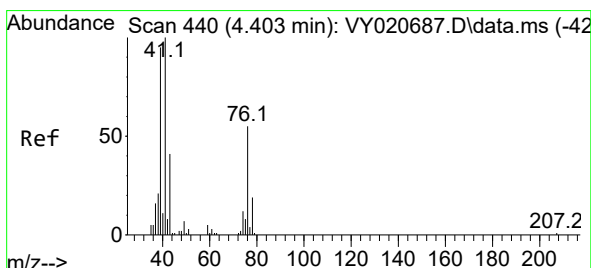
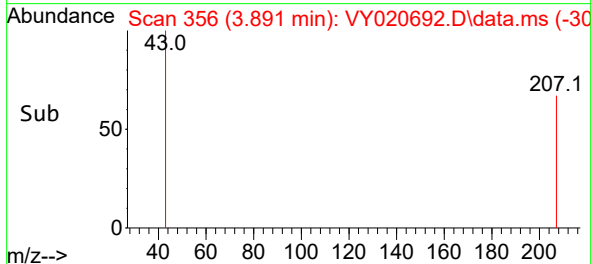
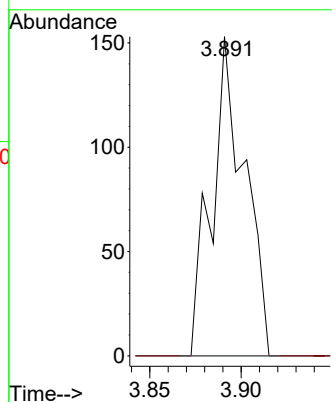


#16
Acetone
Concen: 1.831 ug/l
RT: 3.891 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Instrument :
MSVOA_Y
ClientSampleId :

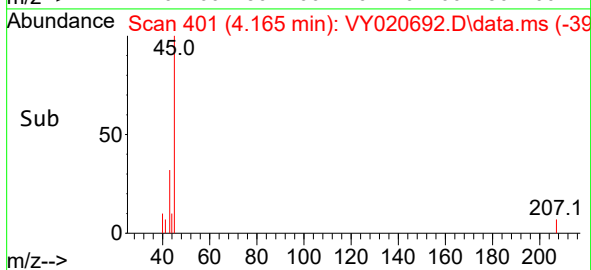
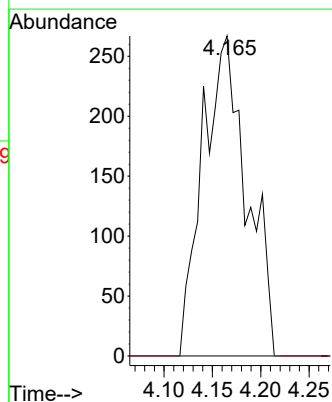
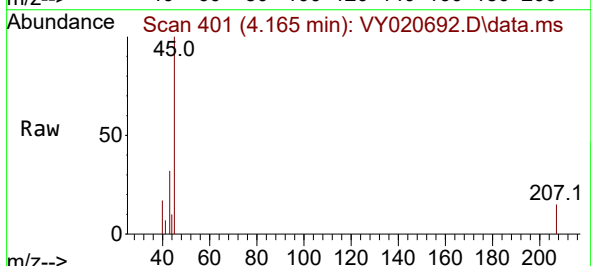


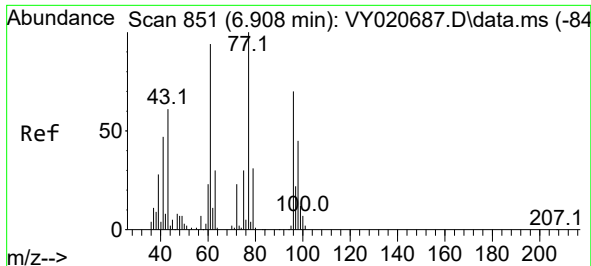
Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.6#



#18
Methyl Acetate
Concen: 3.129 ug/l
RT: 4.165 min Scan# 401
Delta R.T. -0.238 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#

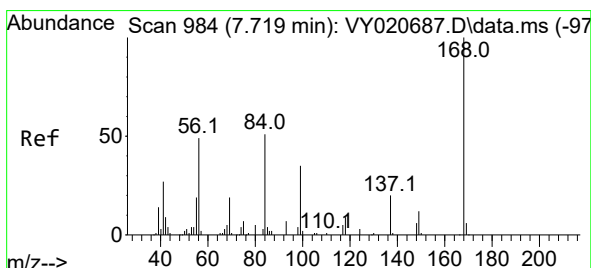
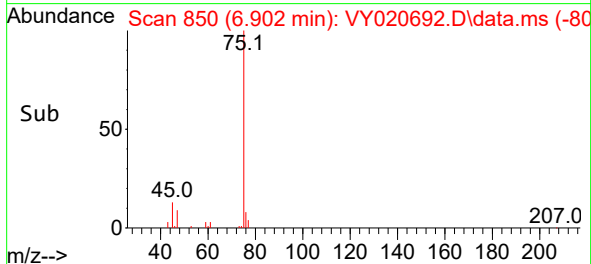
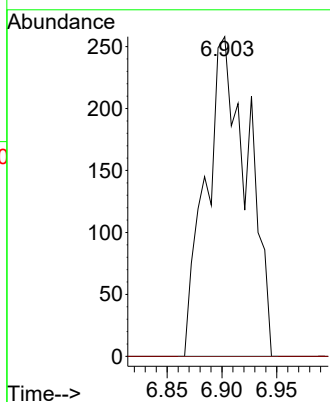
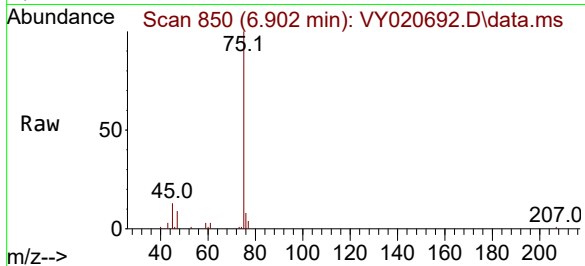




#25
2-Butanone
Concen: 4.649 ug/l
RT: 6.902 min Scan# 81
Delta R.T. -0.006 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

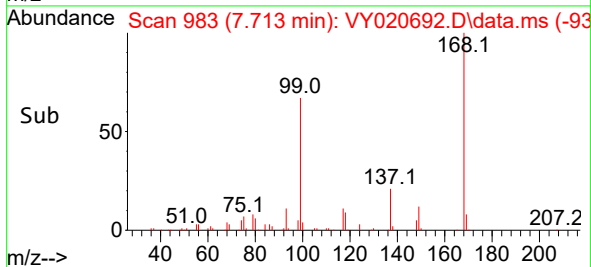
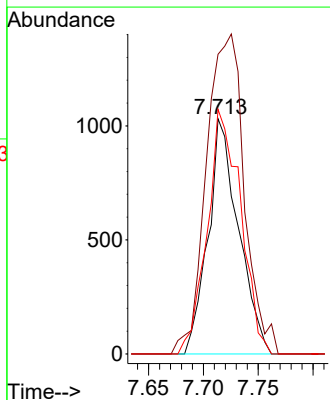
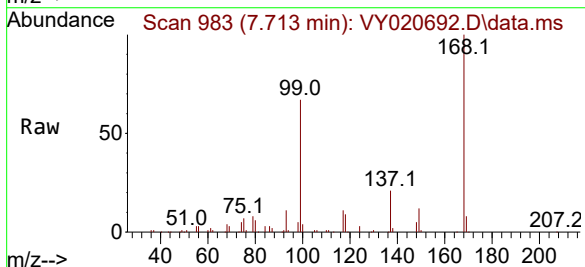
Instrument :
MSVOA_Y
ClientSampleId :

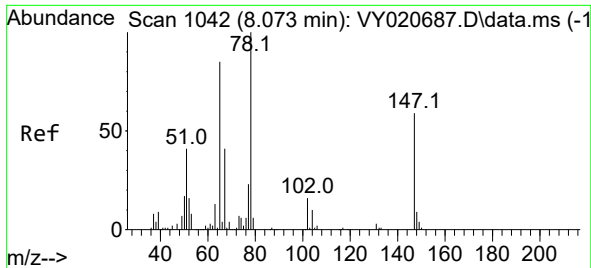
Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



#31
Cyclohexane
Concen: 1.838 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Tgt Ion: 56 Resp: 1992
Ion Ratio Lower Upper
56 100
69 127.4 25.4 38.0#
84 104.0 68.3 102.5#





#33

1,2-Dichloroethane-d4

Concen: 58.384 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY020692.D

Acq: 23 Dec 2024 15:24

Instrument :

MSVOA_Y

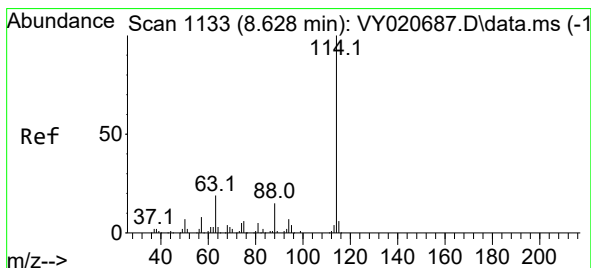
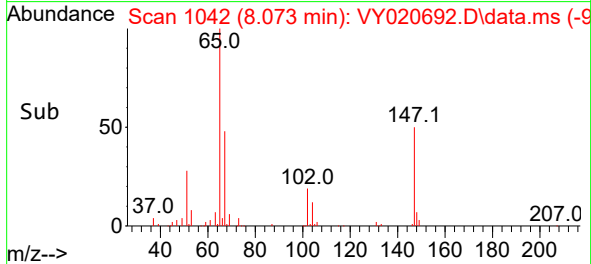
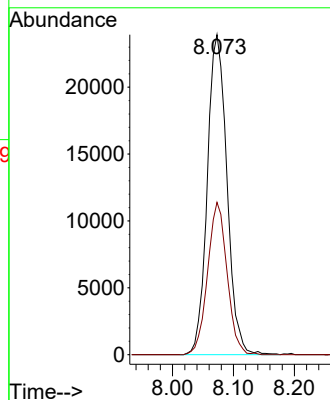
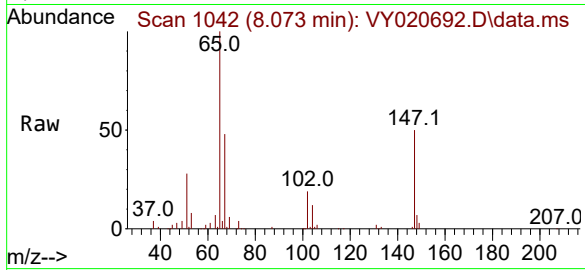
ClientSampleId :

Tgt Ion: 65 Resp: 53612

Ion Ratio Lower Upper

65 100

67 47.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY020692.D

Acq: 23 Dec 2024 15:24

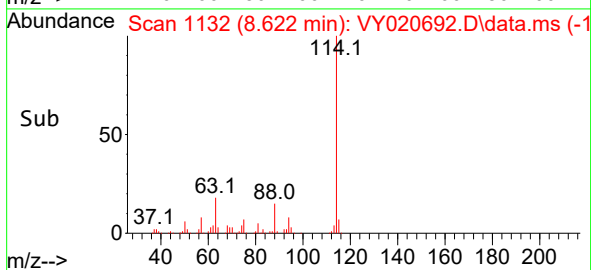
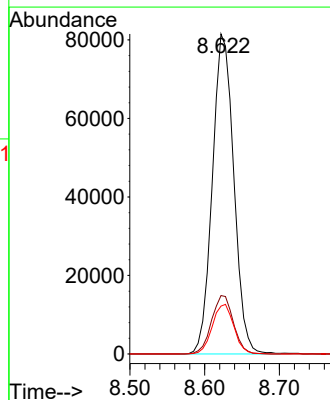
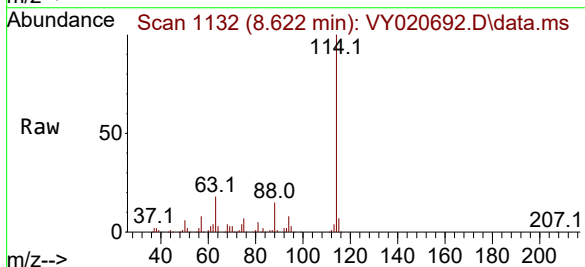
Tgt Ion: 114 Resp: 162906

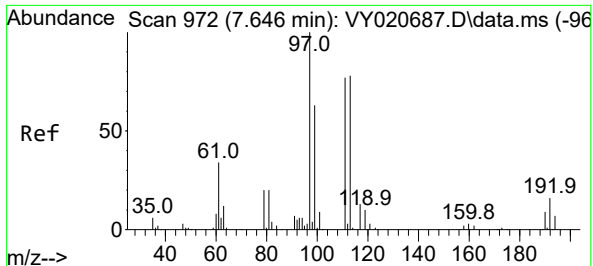
Ion Ratio Lower Upper

114 100

63 18.2 0.0 44.0

88 15.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.317 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY020692.D

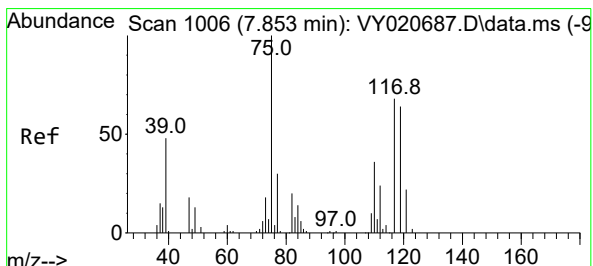
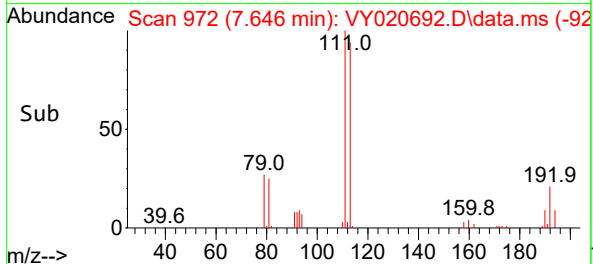
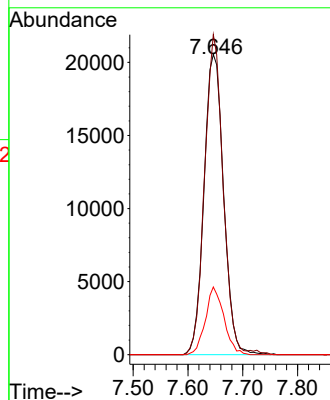
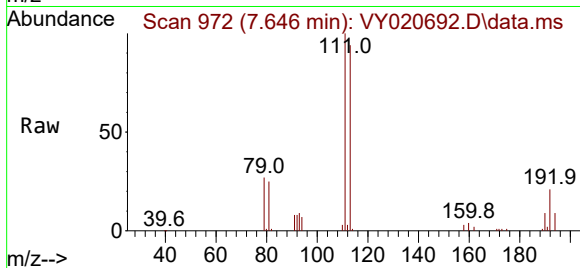
Acq: 23 Dec 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	113	Resp:	51000
Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.9	124.3
192	21.3	15.7	23.5



#36

1,1-Dichloropropene

Concen: 6.352 ug/l

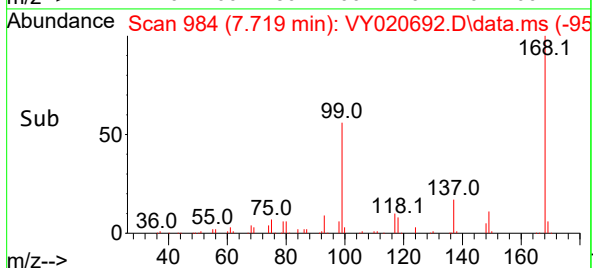
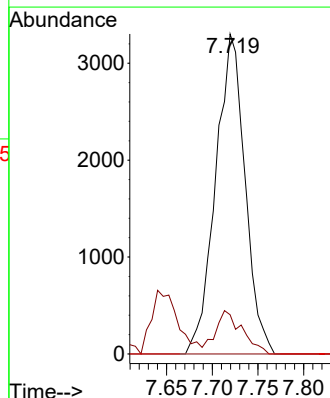
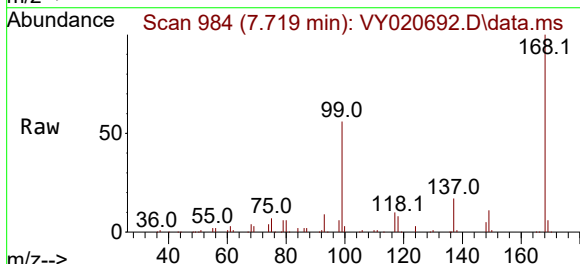
RT: 7.719 min Scan# 984

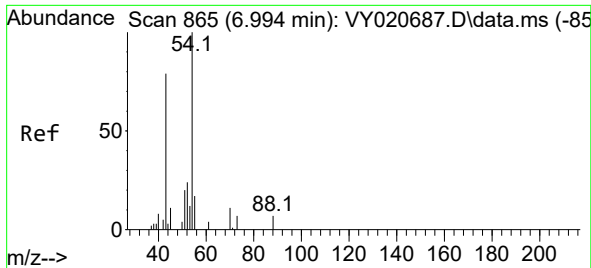
Delta R.T. -0.134 min

Lab File: VY020692.D

Acq: 23 Dec 2024 15:24

Tgt Ion:	75	Resp:	7385
Ion	Ratio	Lower	Upper
75	100		
110	12.2	16.8	50.4#
77	0.0	25.0	37.6#





#37

Ethyl Acetate

Concen: 1.803 ug/l

RT: 6.902 min Scan# 81

Delta R.T. -0.091 min

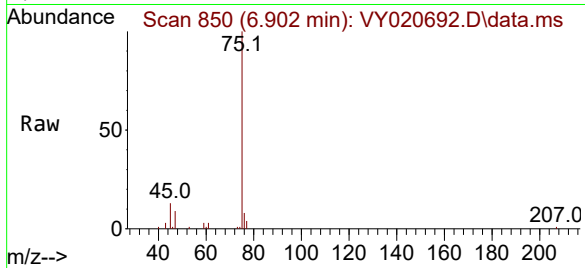
Lab File: VY020692.D

Acq: 23 Dec 2024 15:24

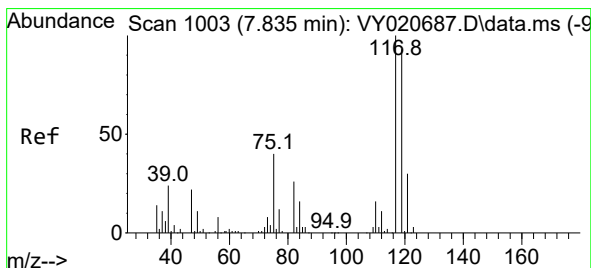
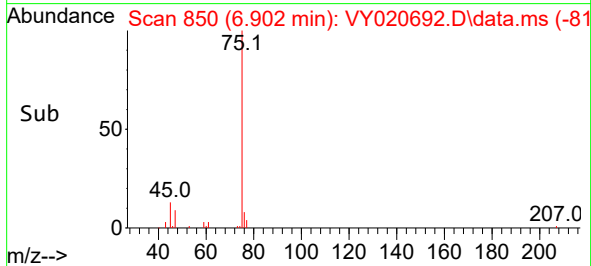
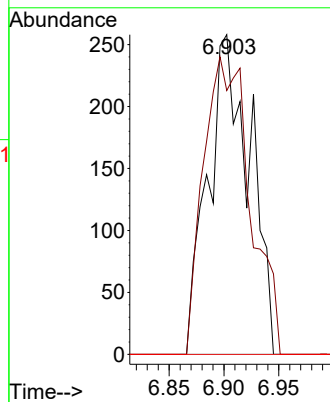
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43	Resp: 685
Ion Ratio	Lower Upper
43	100
61	103.9 11.0 16.4#
70	0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.909 ug/l

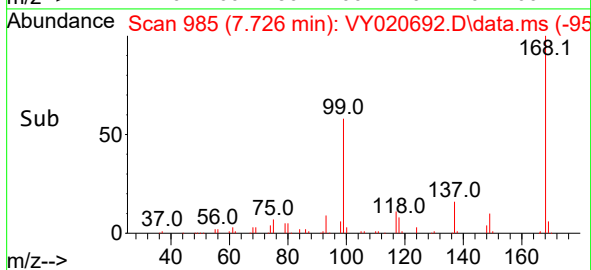
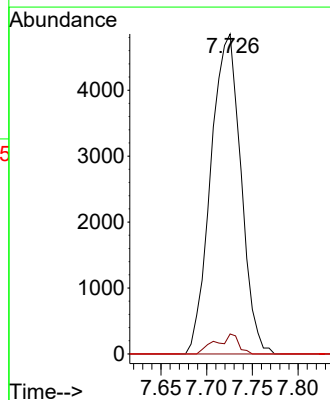
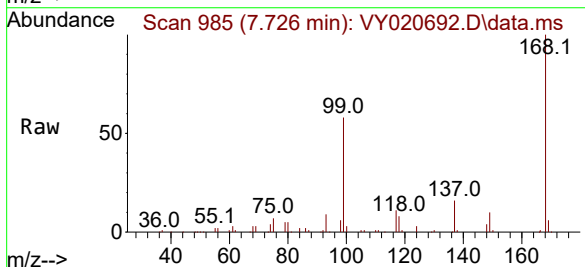
RT: 7.726 min Scan# 985

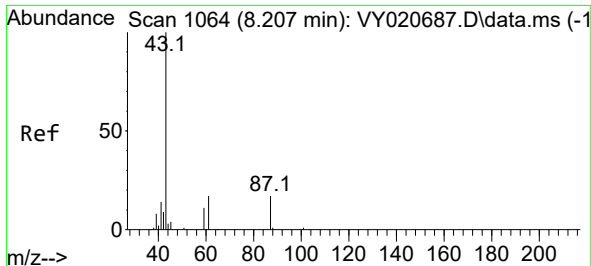
Delta R.T. -0.110 min

Lab File: VY020692.D

Acq: 23 Dec 2024 15:24

Tgt Ion: 117	Resp: 11117
Ion Ratio	Lower Upper
117	100
119	6.2 78.3 117.5#
121	0.0 25.1 37.7#

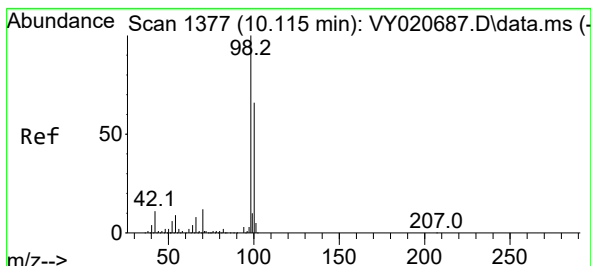
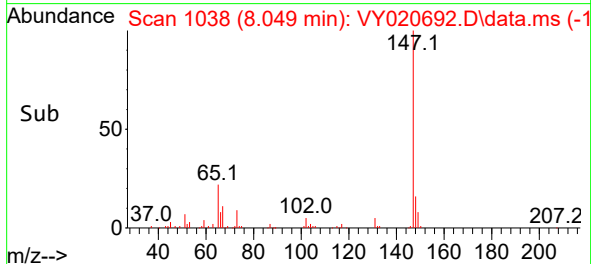
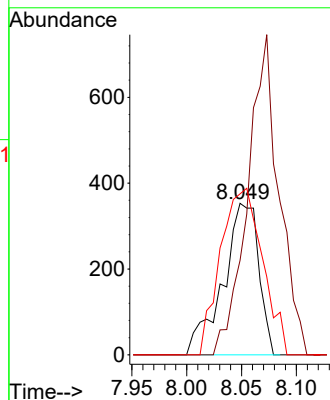
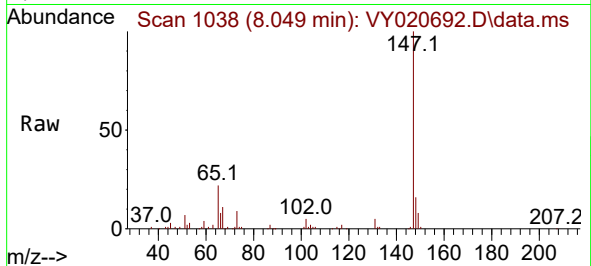




#43
Isopropyl Acetate
Concen: 1.013 ug/l
RT: 8.049 min Scan# 1064
Delta R.T. -0.158 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

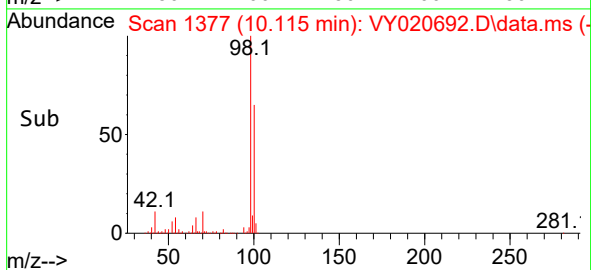
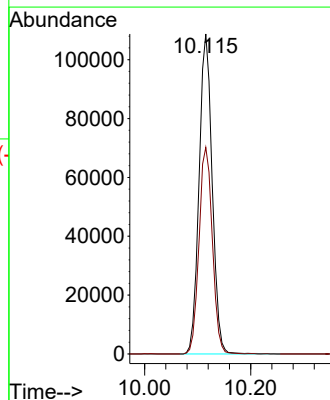
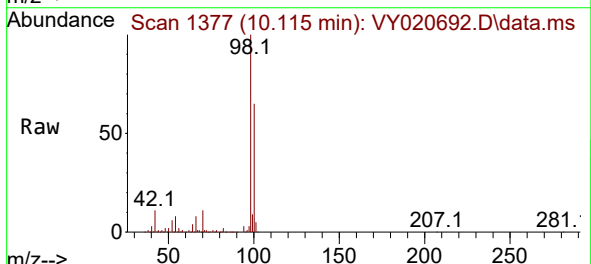
Instrument :
MSVOA_Y
ClientSampleId :

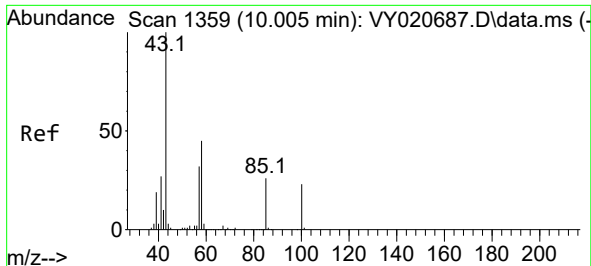
Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
61 0.0 23.8 35.6#
87 129.4 10.2 15.4#



#50
Toluene-d8
Concen: 53.705 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

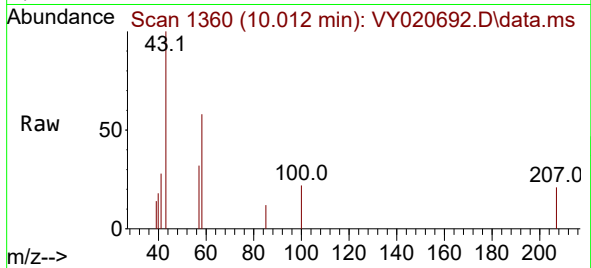
Tgt Ion: 98 Resp: 186585
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



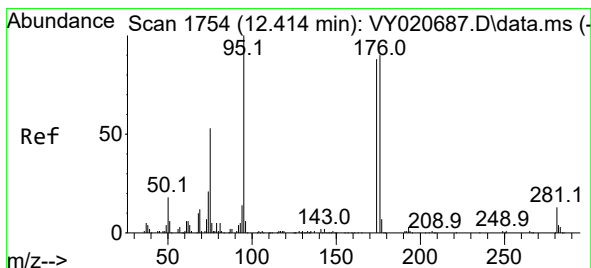
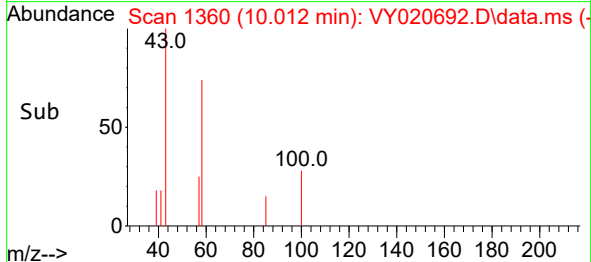
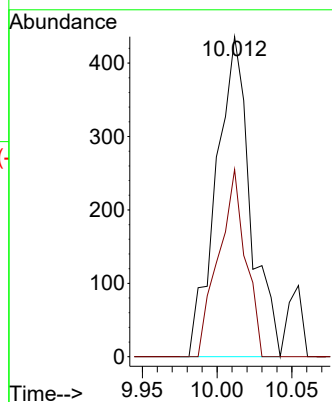


#51
4-Methyl-2-Pentanone
Concen: 1.759 ug/l
RT: 10.012 min Scan# 1360
Delta R.T. 0.007 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Instrument :
MSVOA_Y
ClientSampleId :

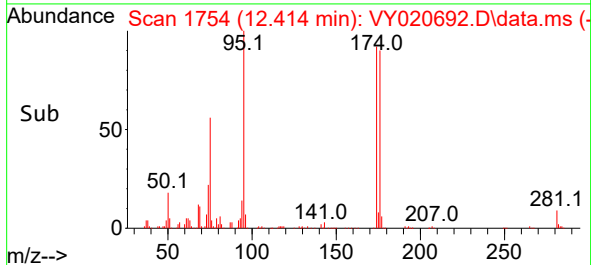
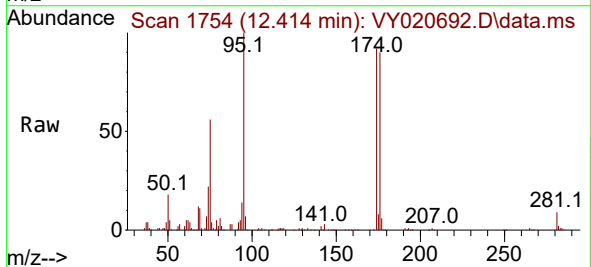
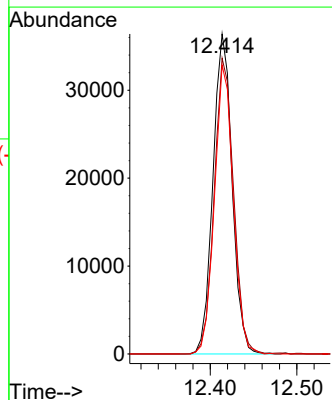


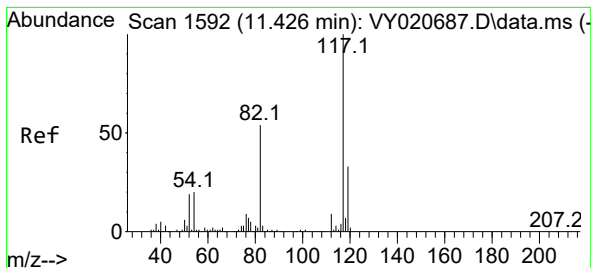
Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
58 46.1 31.4 47.2



#62
4-Bromofluorobenzene
Concen: 44.174 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Tgt Ion: 95 Resp: 55859
Ion Ratio Lower Upper
95 100
174 93.4 0.0 161.8
176 88.7 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.000 min

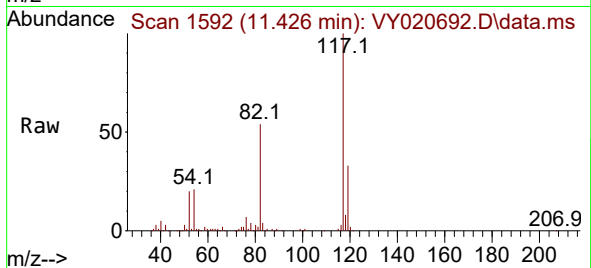
Lab File: VY020692.D

Acq: 23 Dec 2024 15:24

Instrument :

MSVOA_Y

ClientSampleId :



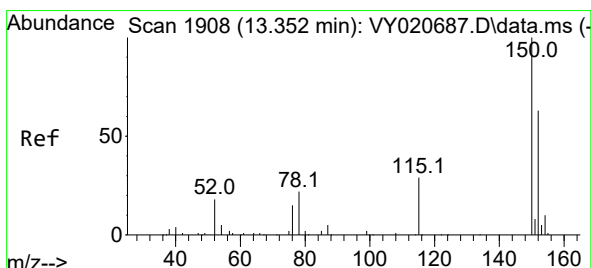
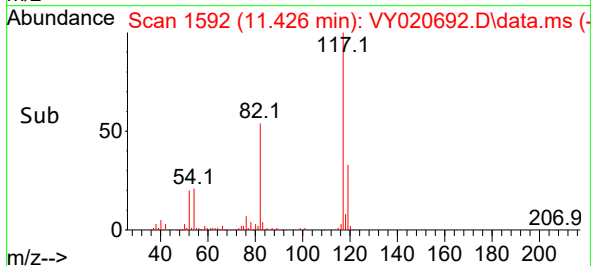
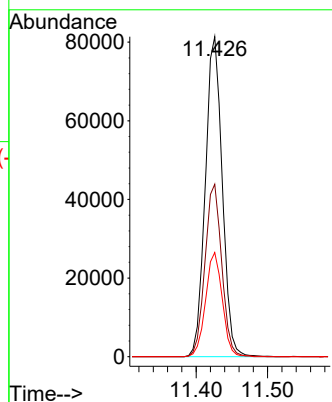
Tgt Ion:117 Resp: 133896

Ion Ratio Lower Upper

117 100

82 53.9 45.8 68.6

119 32.6 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY020692.D

Acq: 23 Dec 2024 15:24

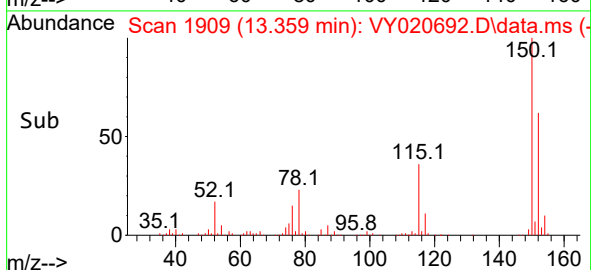
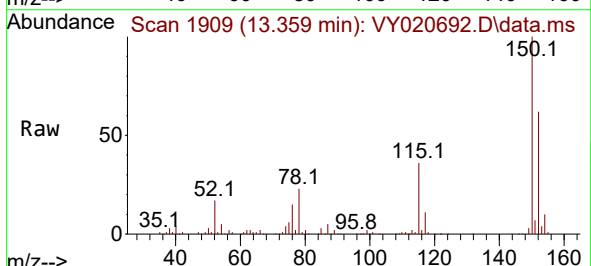
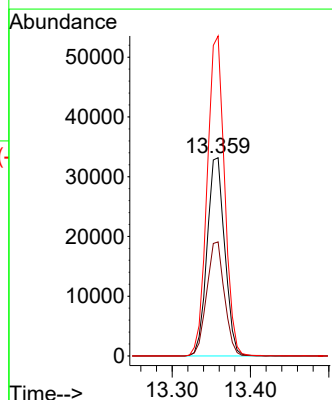
Tgt Ion:152 Resp: 51849

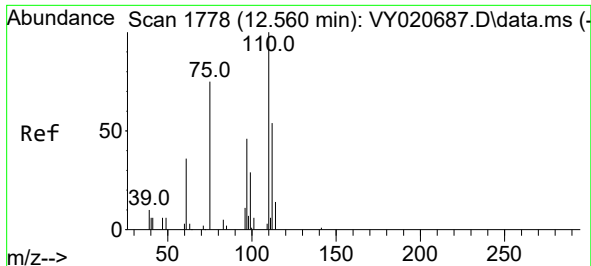
Ion Ratio Lower Upper

152 100

115 57.9 30.2 90.6

150 159.1 0.0 355.4

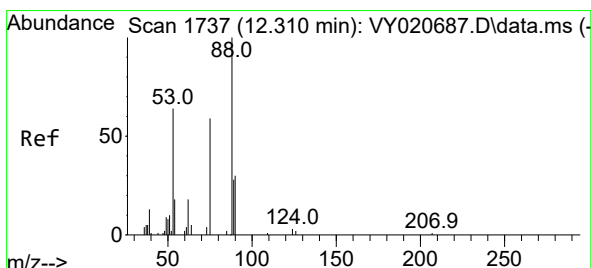
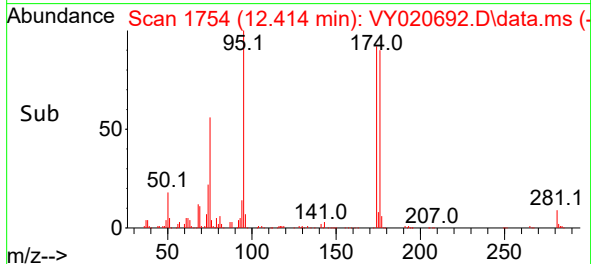
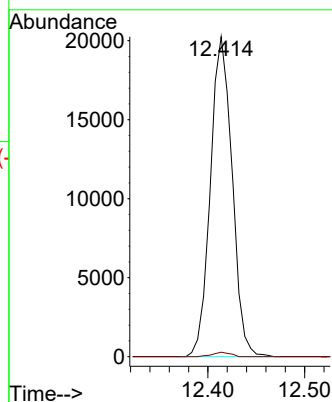
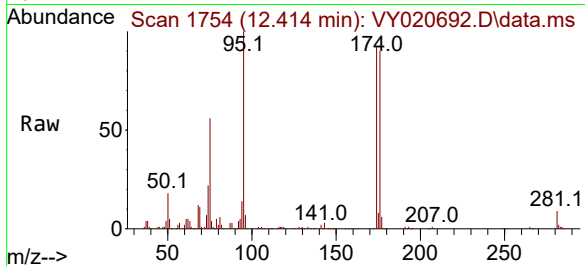




#76
1,2,3-Trichloropropane
Concen: 88.486 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

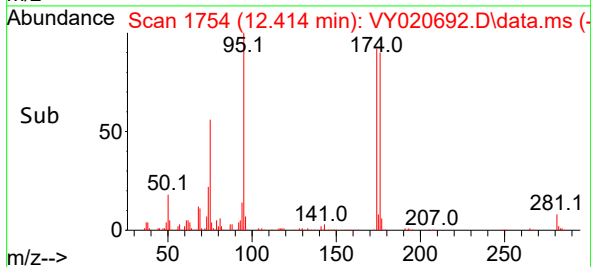
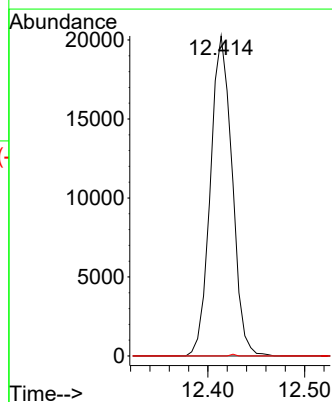
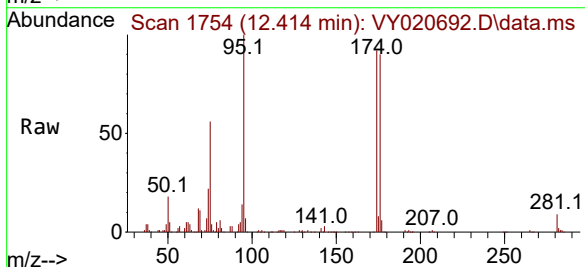
Instrument :
MSVOA_Y
ClientSampleId :

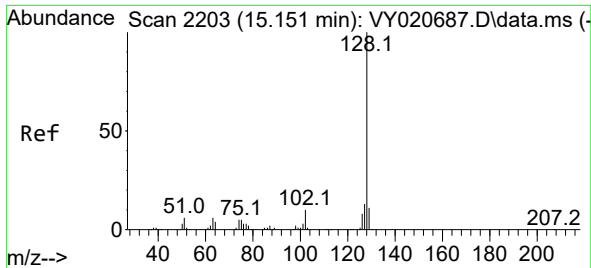
Tgt Ion: 75 Resp: 31640
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 192.349 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

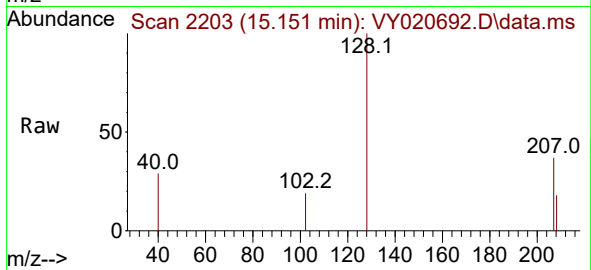
Tgt Ion: 75 Resp: 31640
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 3.855 ug/l
RT: 15.151 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY020692.D
Acq: 23 Dec 2024 15:24

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 559
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 3.6 8.5 12.7#

