

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062524\
 Data File : VY018694.D
 Acq On : 25 Jun 2024 17:35
 Operator : SY/MD
 Sample : P3045-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 26 02:39:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

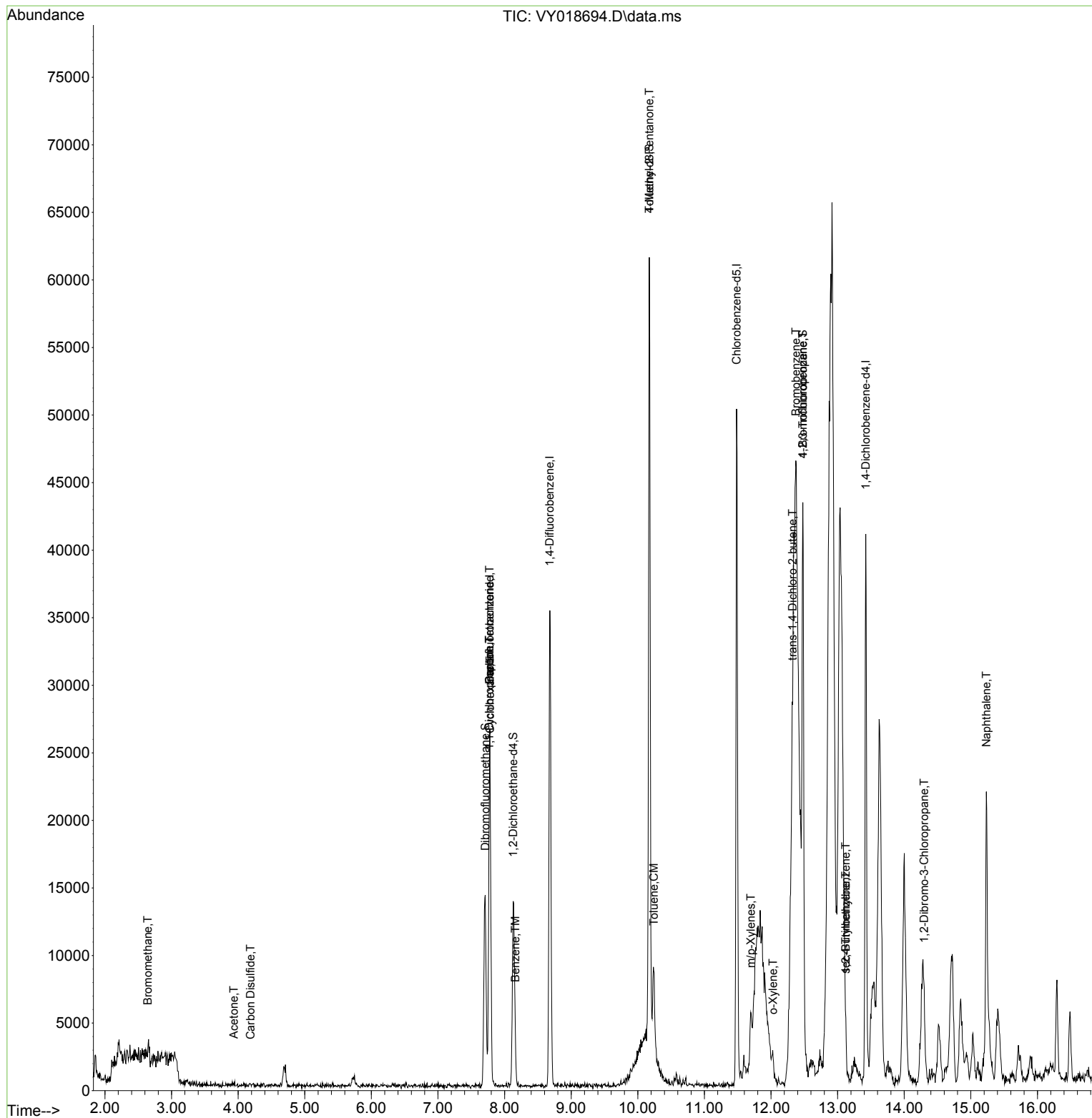
Internal Standards						
1) Pentafluorobenzene	7.777	168	20075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	32866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	28221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	9575	47.374	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.740%			
35) Dibromofluoromethane	7.710	113	10077	50.262	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.520%			
50) Toluene-d8	10.173	98	39241	50.896	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.477	95	10617	43.608	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.220%			
Target Compounds						Qvalue
5) Bromomethane	2.644	94	418	1.668	ug/l	83
16) Acetone	3.936	43	241	5.861	ug/l #	71
17) Carbon Disulfide	4.186	76	100	2.384	ug/l #	76
20) Methylene Chloride	4.686	84	1286	Below Cal	#	68
31) Cyclohexane	7.783	56	336	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.771	75	1376	4.986	ug/l #	46
38) Carbon Tetrachloride	7.777	117	2089	7.215	ug/l #	13
40) Benzene	8.161	78	2924	3.426	ug/l #	90
51) 4-Methyl-2-Pentanone	10.173	43	257	2.009	ug/l #	11
52) Toluene	10.240	92	2680	4.891	ug/l	90
68) m/p-Xylenes	11.697	106	853	2.167	ug/l #	71
69) o-Xylene	12.032	106	495	1.308	ug/l	62
76) 1,2,3-Trichloropropane	12.477	75	6007	56.953	ug/l #	100
77) Bromobenzene	12.374	156	65845	346.766	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.325	75	833	20.687	ug/l #	30
84) 1,2,4-Trimethylbenzene	13.123	105	902	1.387	ug/l	94
85) sec-Butylbenzene	13.123	105	902	1.050	ug/l #	56
92) 1,2-Dibromo-3-Chloropr...	14.300	75	85	4.026	ug/l #	1
95) Naphthalene	15.233	128	16518	48.493	ug/l	97

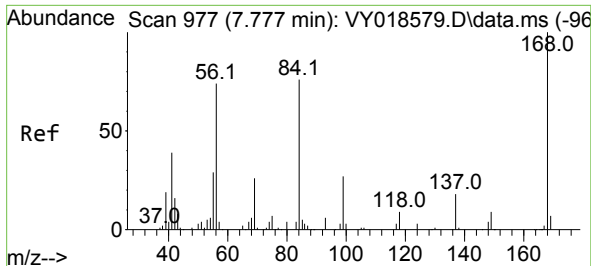
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062524\
Data File : VY018694.D
Acq On : 25 Jun 2024 17:35
Operator : SY/MD
Sample : P3045-03
Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Jun 26 02:39:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
Response via : Initial Calibration

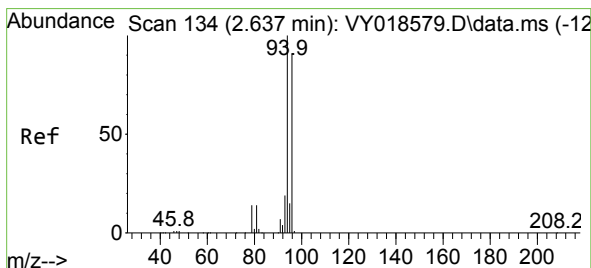
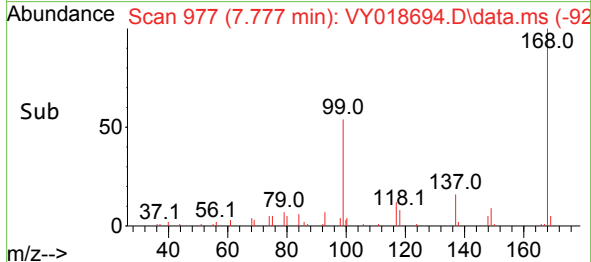
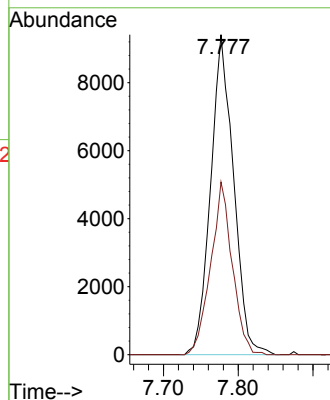
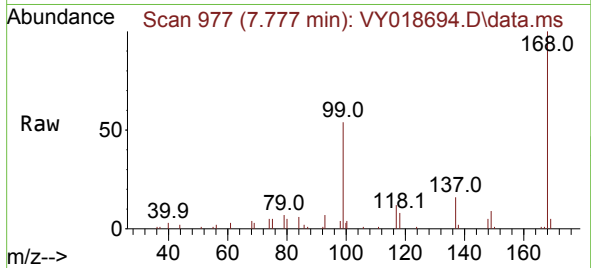




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

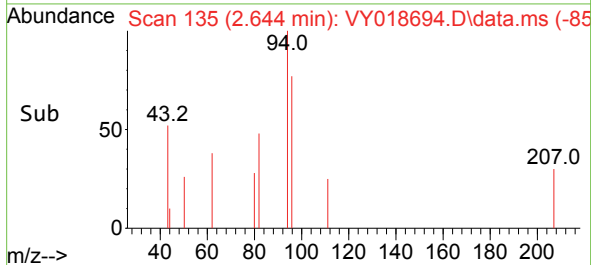
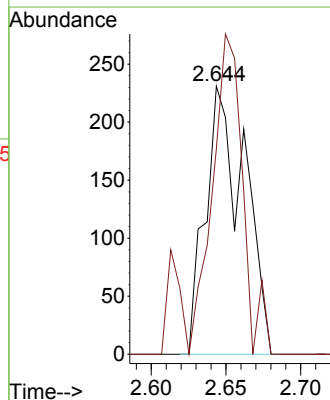
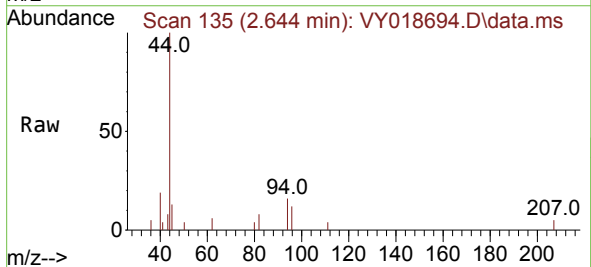
Instrument :
MSVOA_Y
ClientSampleId :

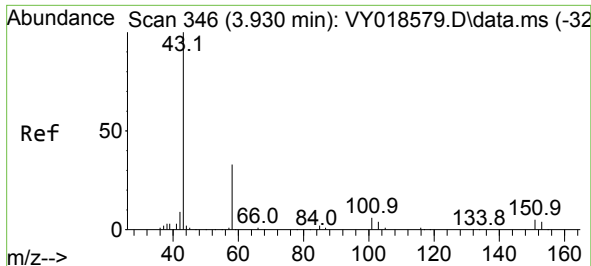
Tgt Ion:168 Resp: 20075
Ion Ratio Lower Upper
168 100
99 53.9 39.1 58.7



#5
Bromomethane
Concen: 1.668 ug/l
RT: 2.644 min Scan# 135
Delta R.T. 0.006 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

Tgt Ion: 94 Resp: 418
Ion Ratio Lower Upper
94 100
96 76.6 74.1 111.1





#16

Acetone

Concen: 5.861 ug/l

RT: 3.936 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY018694.D

Acq: 25 Jun 2024 17:35

Instrument :

MSVOA_Y

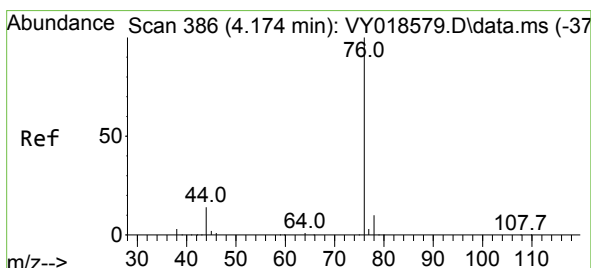
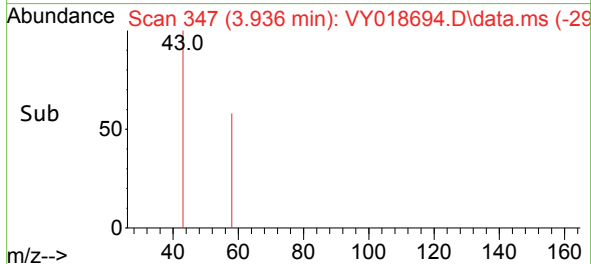
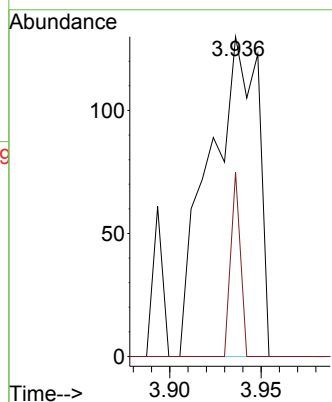
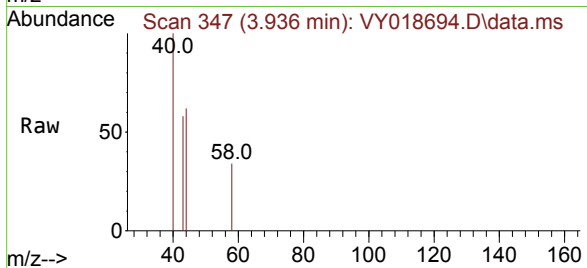
ClientSampleId :

Tgt Ion: 43 Resp: 241

Ion Ratio Lower Upper

43 100

58 57.7 31.7 47.5#



#17

Carbon Disulfide

Concen: 2.384 ug/l

RT: 4.186 min Scan# 388

Delta R.T. 0.012 min

Lab File: VY018694.D

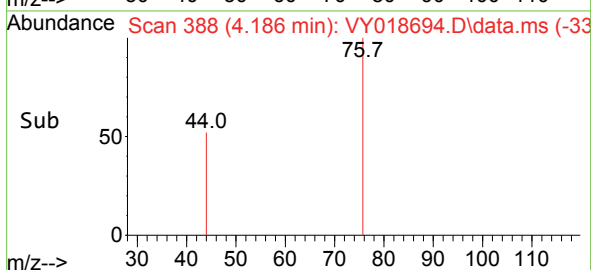
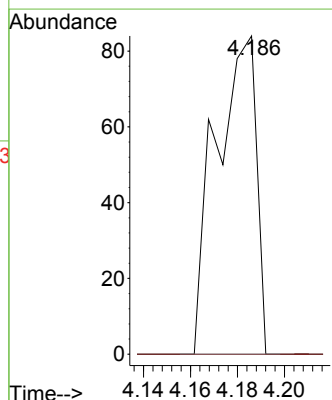
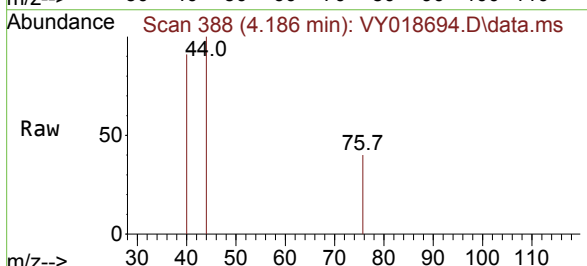
Acq: 25 Jun 2024 17:35

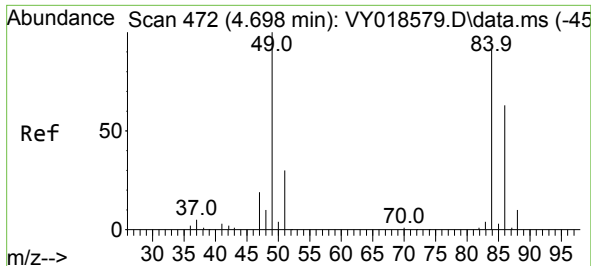
Tgt Ion: 76 Resp: 100

Ion Ratio Lower Upper

76 100

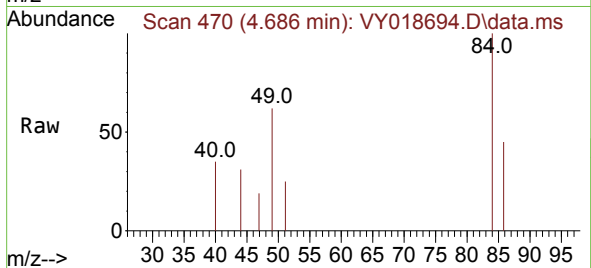
78 0.0 6.8 10.2#



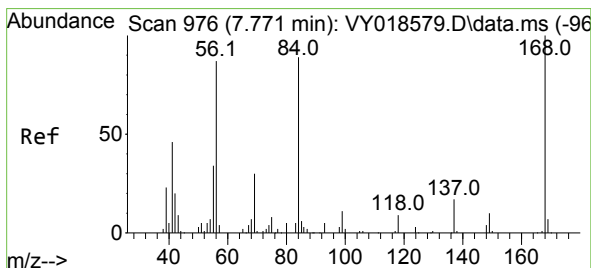
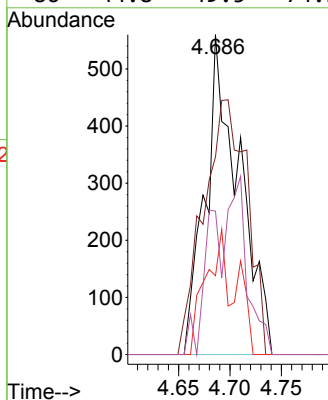
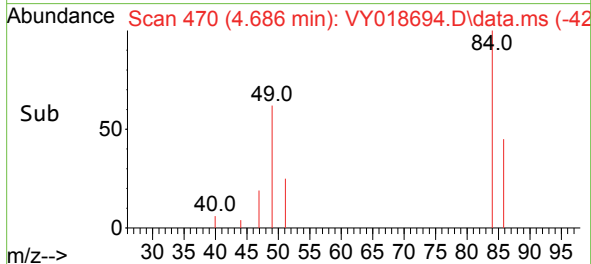


#20
Methylene Chloride
Concen: Below Cal
RT: 4.686 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

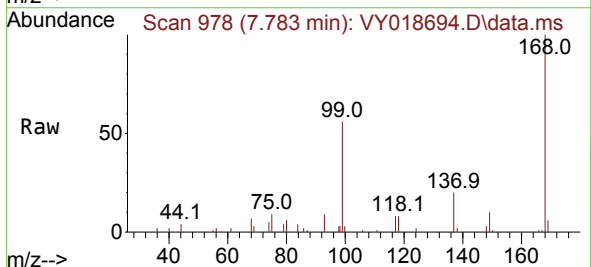
Instrument :
MSVOA_Y
ClientSampleId :



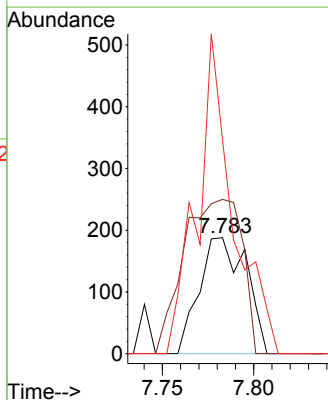
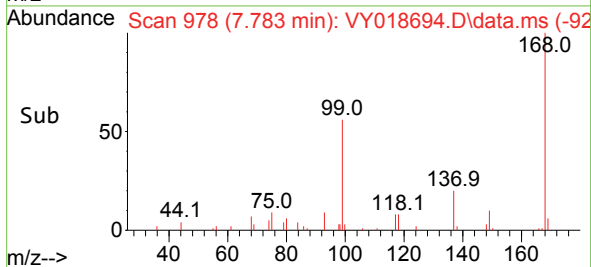
Tgt Ion:	84	Resp:	1286
Ion	Ratio	Lower	Upper
84	100		
49	61.8	84.4	126.6#
51	24.6	26.0	39.0#
86	44.8	49.5	74.3#

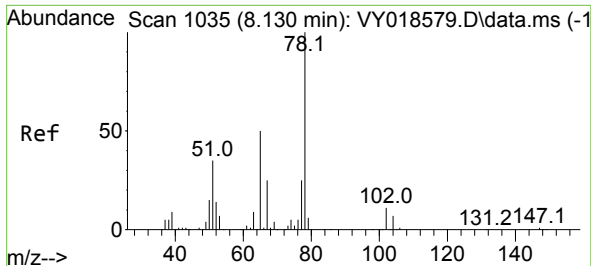


#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.012 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35



Tgt Ion:	56	Resp:	336
Ion	Ratio	Lower	Upper
56	100		
69	133.0	28.7	43.1#
84	184.6	77.7	116.5#

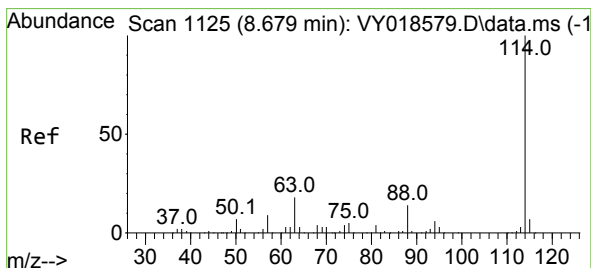
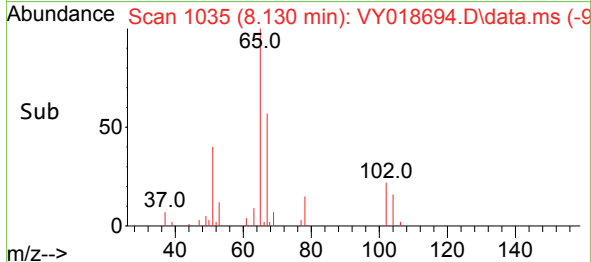
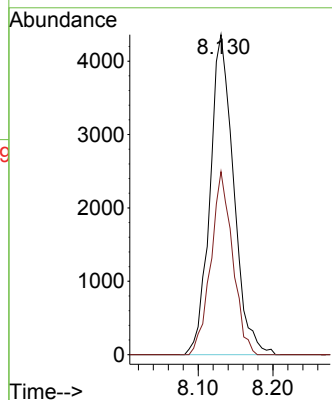
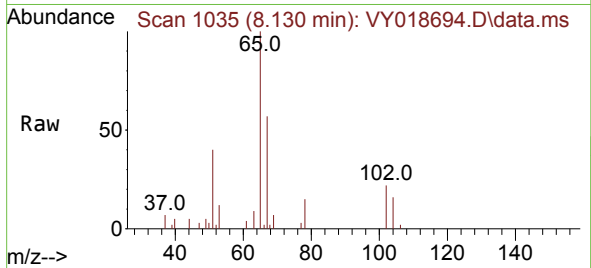




#33
 1,2-Dichloroethane-d4
 Concen: 47.374 ug/l
 RT: 8.130 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: VY018694.D
 Acq: 25 Jun 2024 17:35

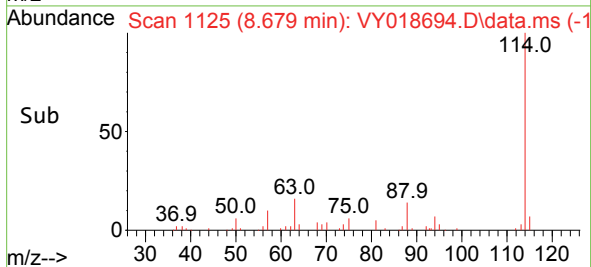
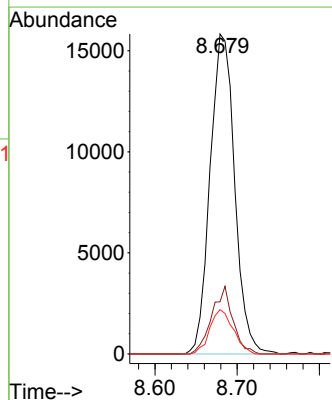
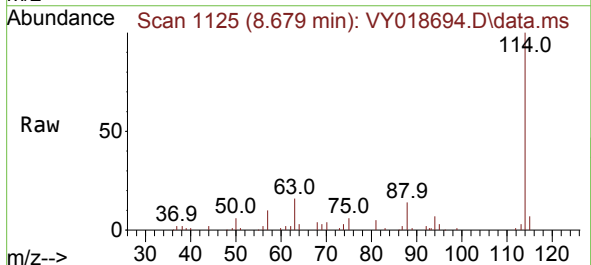
Instrument :
 MSVOA_Y
 ClientSampleId :

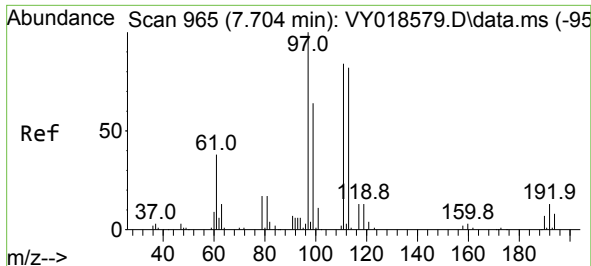
Tgt Ion: 65 Resp: 9575
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.679 min Scan# 1125
 Delta R.T. 0.000 min
 Lab File: VY018694.D
 Acq: 25 Jun 2024 17:35

Tgt Ion: 114 Resp: 32866
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 35.0
 88 13.9 0.0 27.2

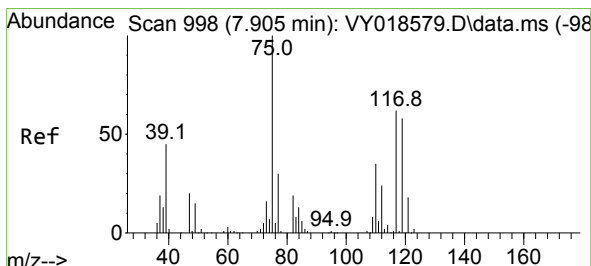
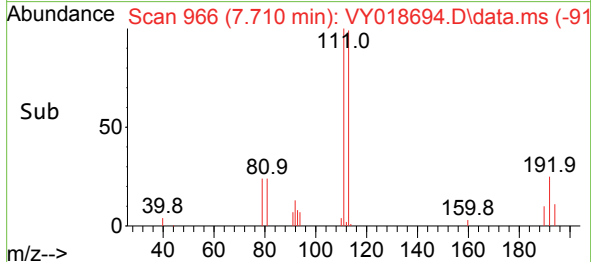
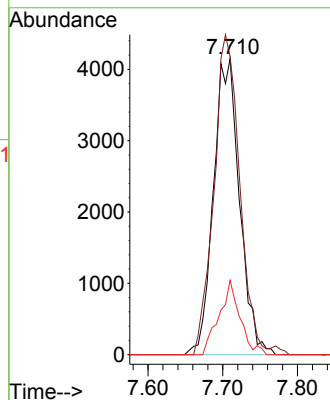
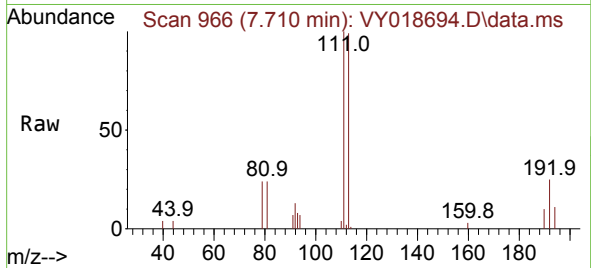




#35
Dibromofluoromethane
Concen: 50.262 ug/l
RT: 7.710 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

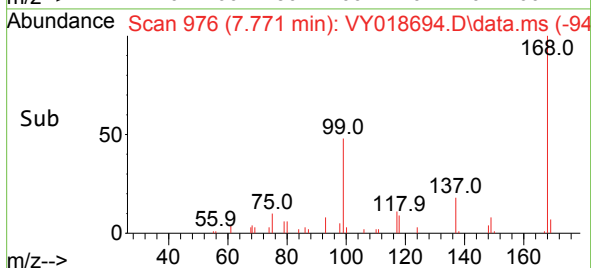
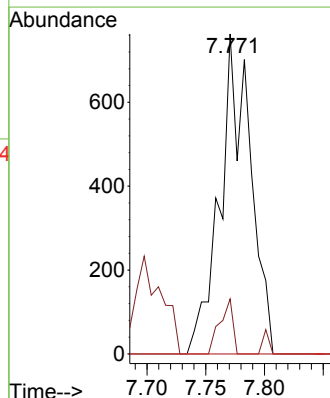
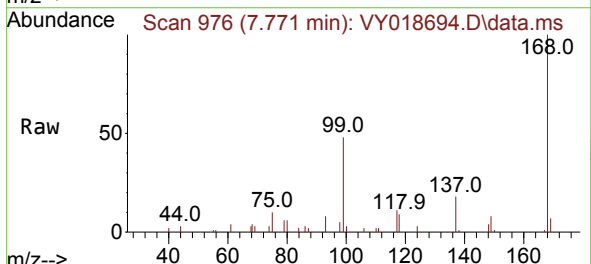
Instrument :
MSVOA_Y
ClientSampleId :

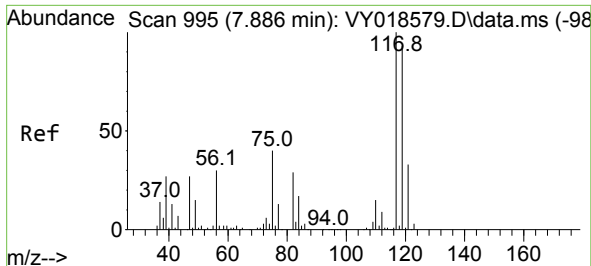
Tgt Ion:113 Resp: 10077
Ion Ratio Lower Upper
113 100
111 106.5 82.2 123.4
192 20.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.986 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.134 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

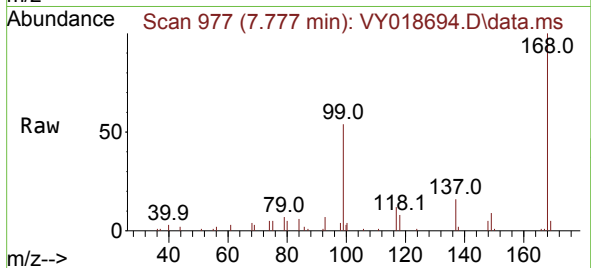
Tgt Ion: 75 Resp: 1376
Ion Ratio Lower Upper
75 100
110 7.3 19.0 57.0#
77 0.0 25.3 37.9#



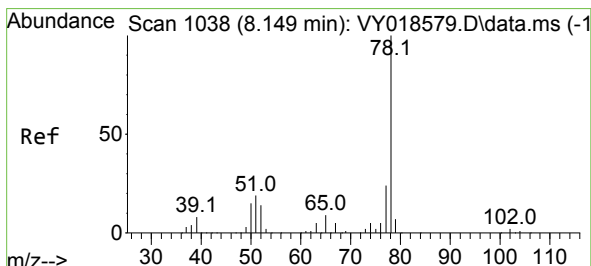
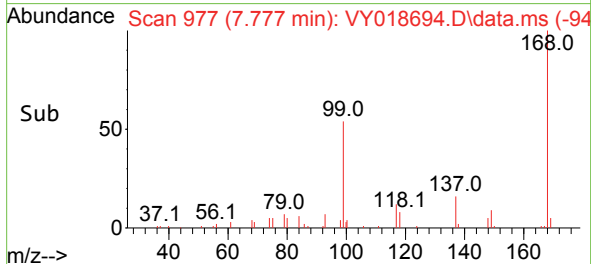
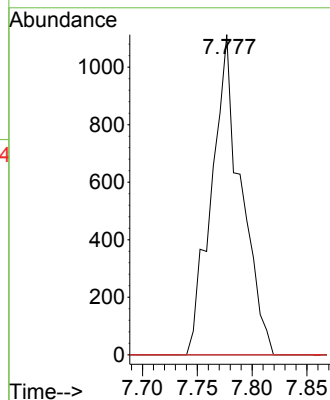


#38
Carbon Tetrachloride
Concen: 7.215 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

Instrument :
MSVOA_Y
ClientSampleId :

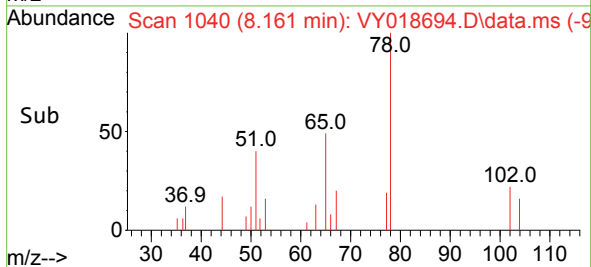
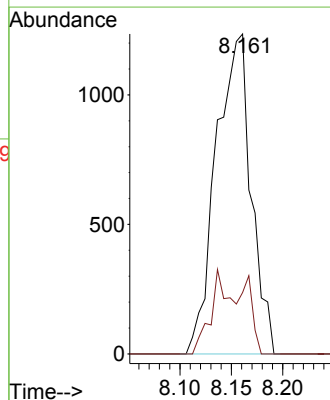
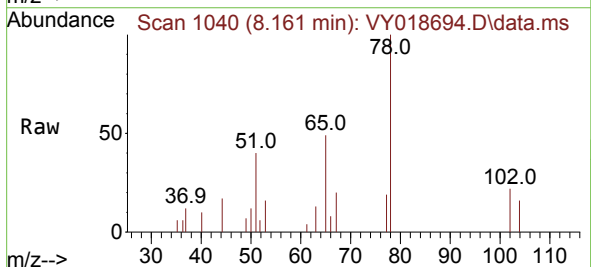


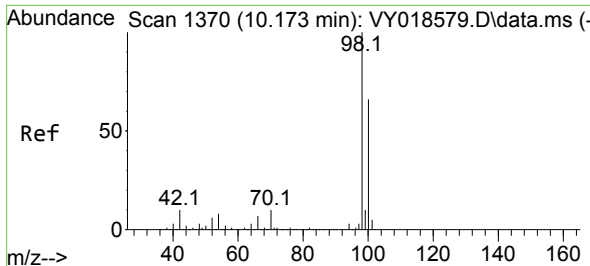
Tgt Ion:117 Resp: 2089
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#40
Benzene
Concen: 3.426 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

Tgt Ion: 78 Resp: 2924
Ion Ratio Lower Upper
78 100
77 19.2 19.5 29.3#

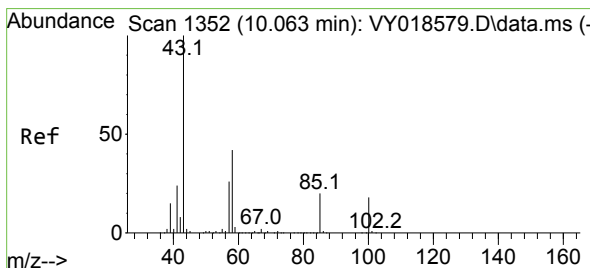
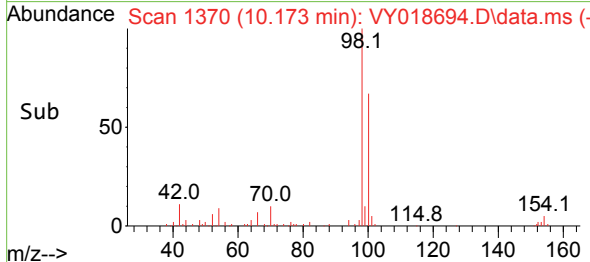
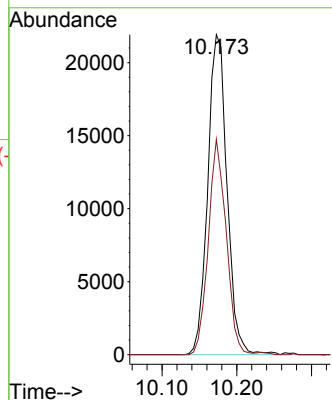
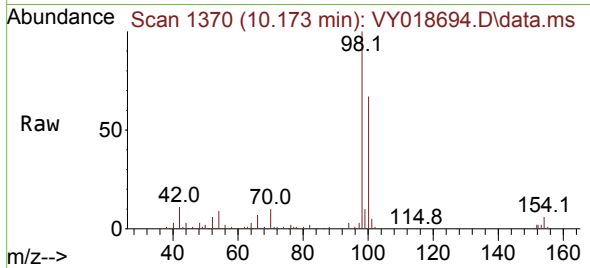




#50
Toluene-d8
Concen: 50.896 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

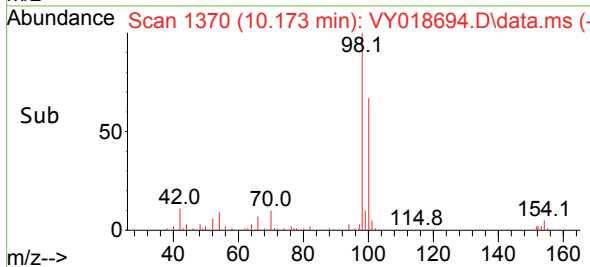
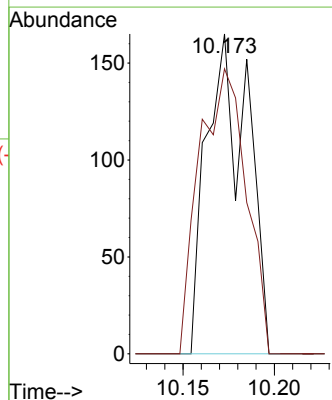
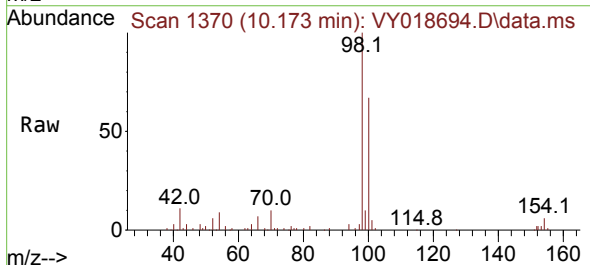
Instrument :
MSVOA_Y
ClientSampleId :

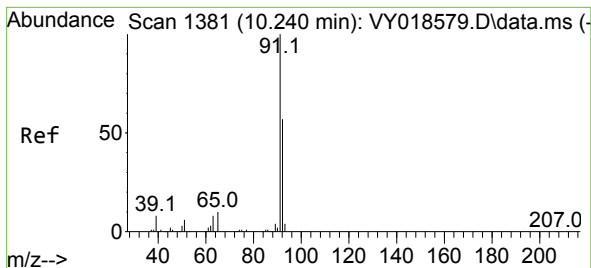
Tgt Ion: 98 Resp: 39241
Ion Ratio Lower Upper
98 100
100 62.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.009 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.110 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

Tgt Ion: 43 Resp: 257
Ion Ratio Lower Upper
43 100
58 102.3 35.7 53.5#





#52

Toluene

Concen: 4.891 ug/l

RT: 10.240 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018694.D

Acq: 25 Jun 2024 17:35

Instrument :

MSVOA_Y

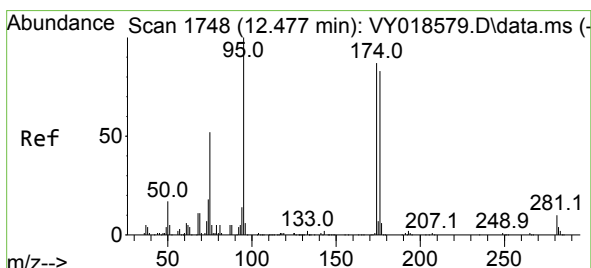
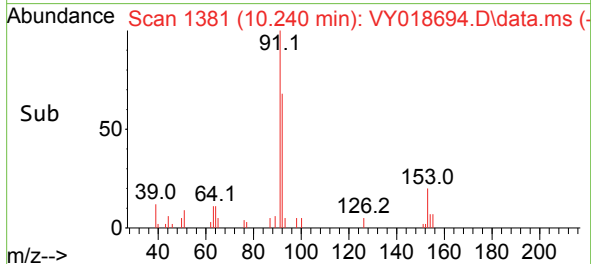
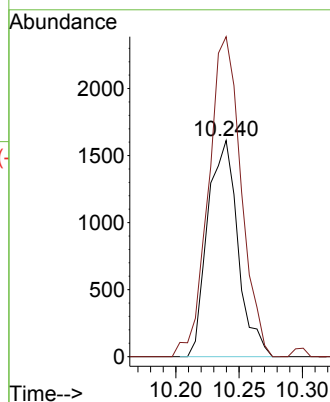
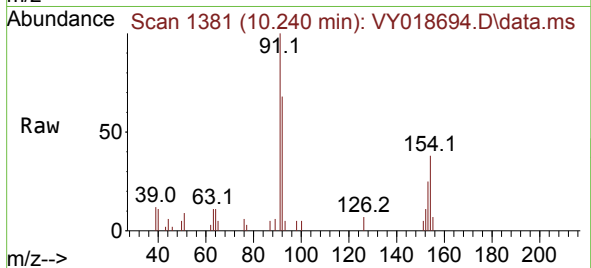
ClientSampleId :

Tgt Ion: 92 Resp: 2680

Ion Ratio Lower Upper

92 100

91 160.3 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 43.608 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY018694.D

Acq: 25 Jun 2024 17:35

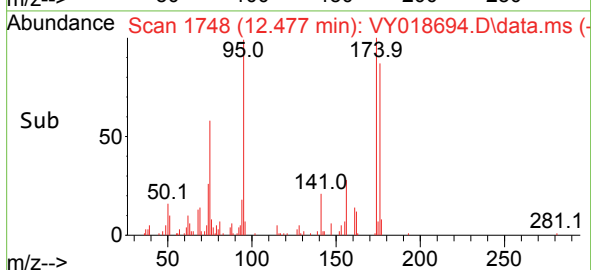
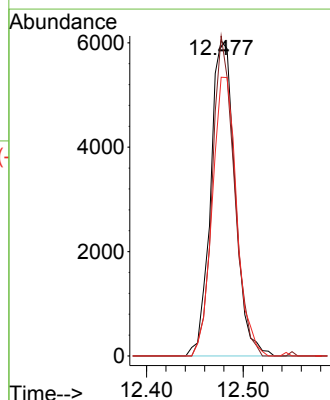
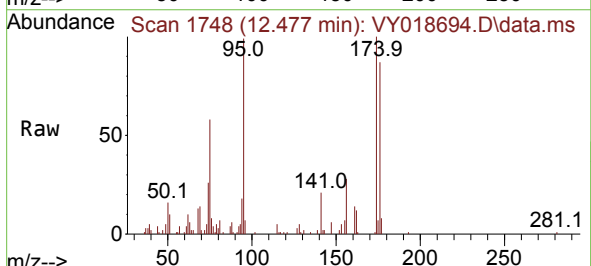
Tgt Ion: 95 Resp: 10617

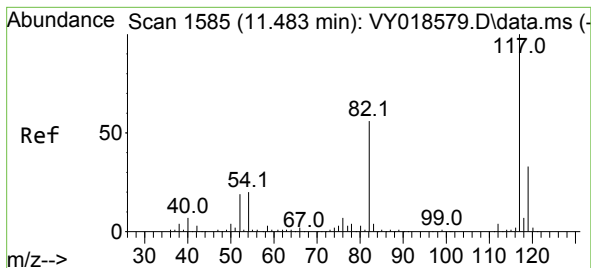
Ion Ratio Lower Upper

95 100

174 91.0 0.0 175.6

176 88.2 0.0 171.4

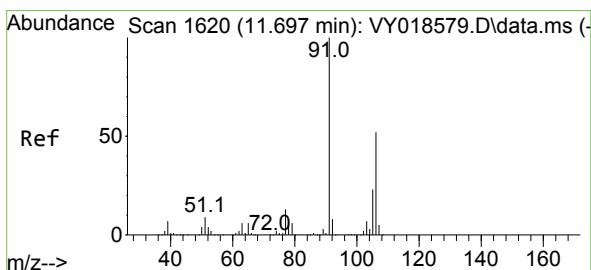
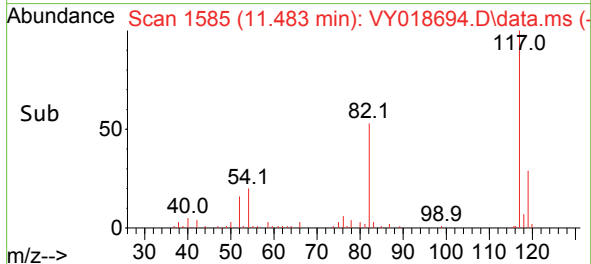
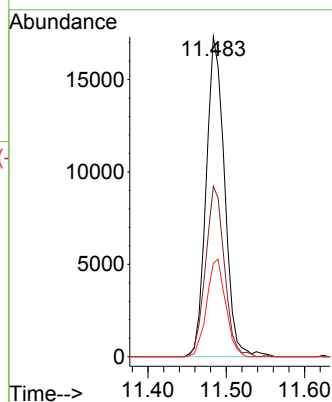
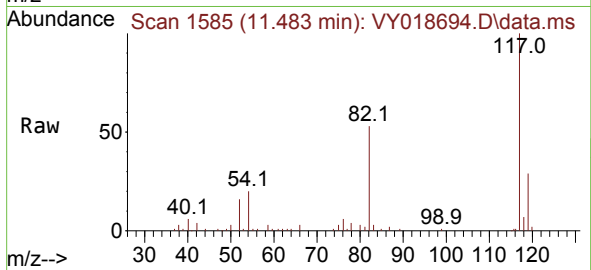




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

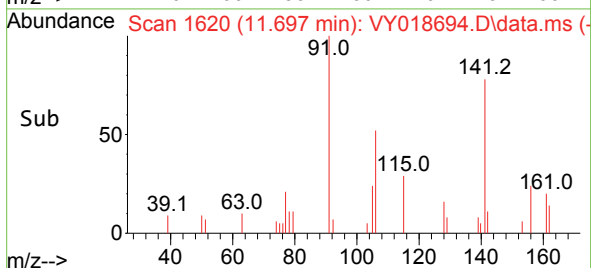
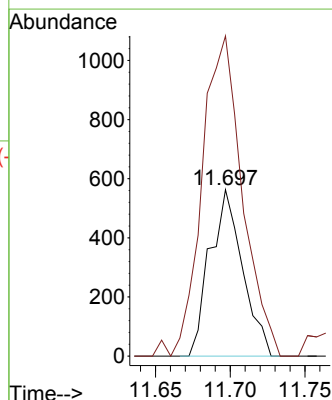
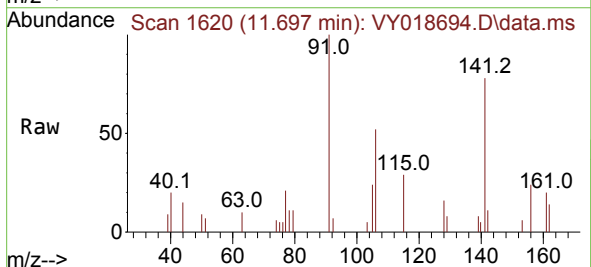
Instrument :
MSVOA_Y
ClientSampleId :

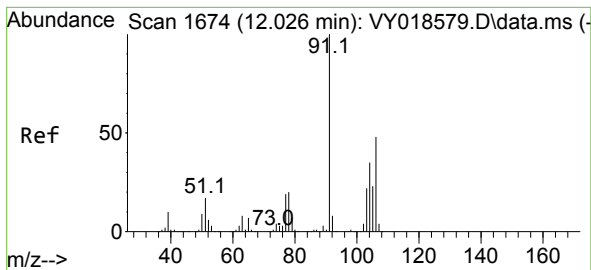
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.4	63.6
119	29.2	25.9	38.9



#68
m/p-Xylenes
Concen: 2.167 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	238.9	156.0	234.0#





#69

o-Xylene

Concen: 1.308 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY018694.D

Acq: 25 Jun 2024 17:35

Instrument :

MSVOA_Y

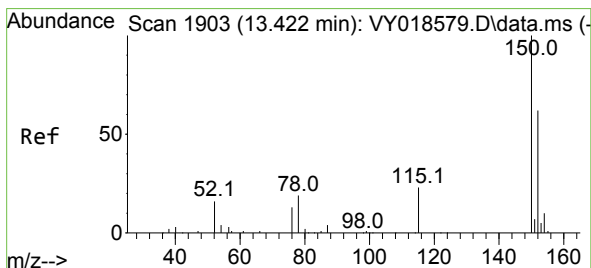
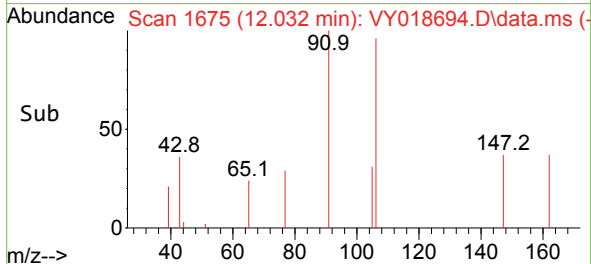
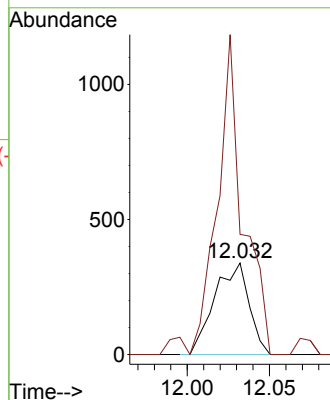
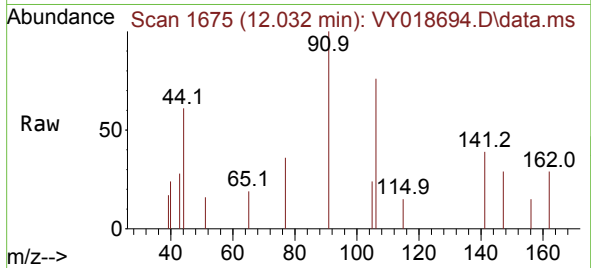
ClientSampleId :

Tgt Ion:106 Resp: 495

Ion Ratio Lower Upper

106 100

91 266.5 103.6 310.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018694.D

Acq: 25 Jun 2024 17:35

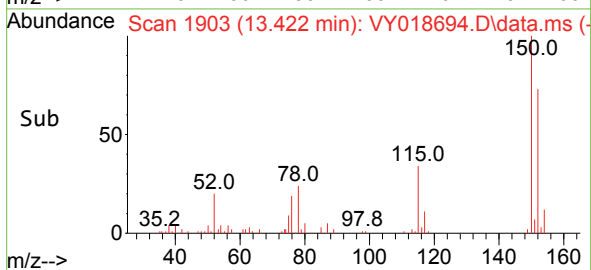
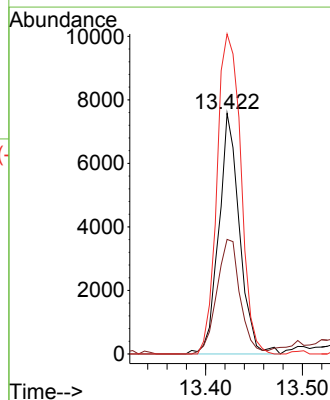
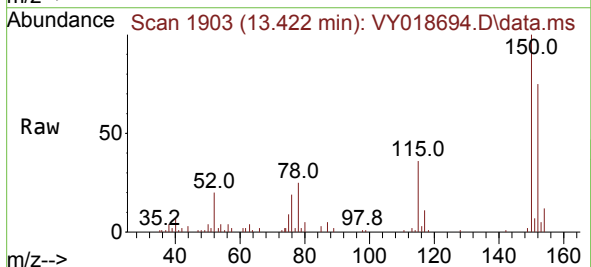
Tgt Ion:152 Resp: 11244

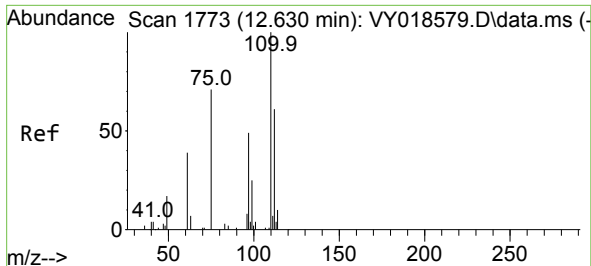
Ion Ratio Lower Upper

152 100

115 53.8 28.2 84.7

150 152.8 0.0 345.6

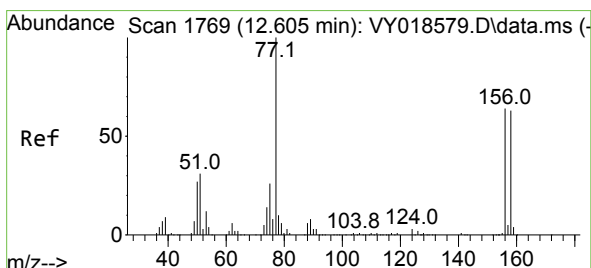
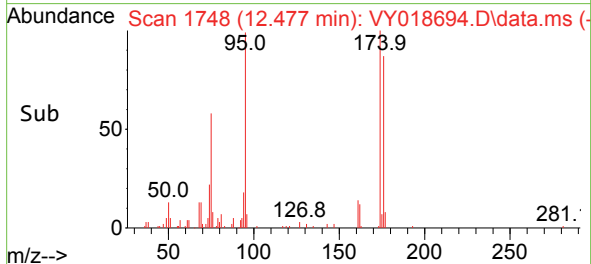
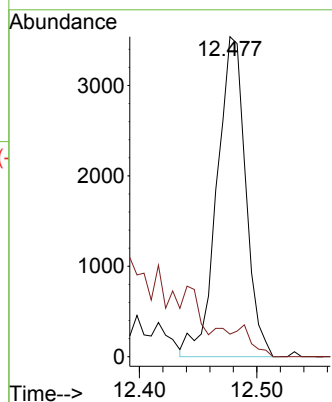
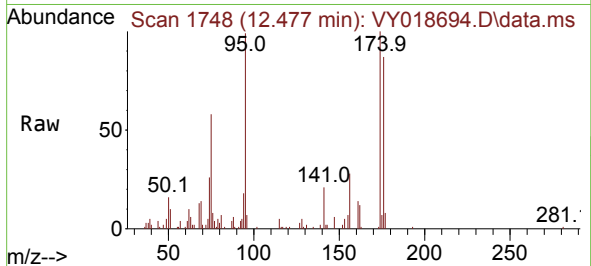




#76
1,2,3-Trichloropropane
Concen: 56.953 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. -0.152 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

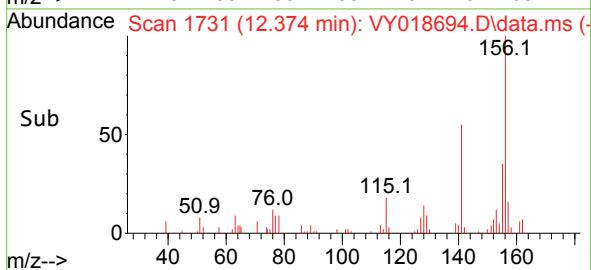
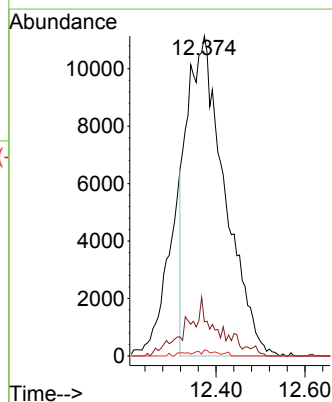
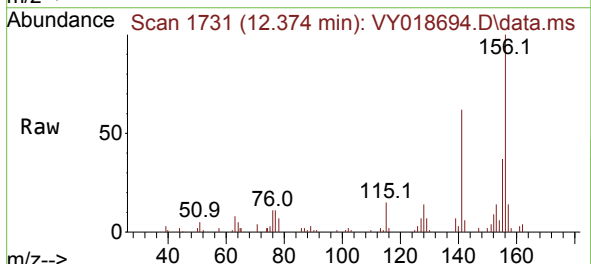
Instrument :
MSVOA_Y
ClientSampleId :

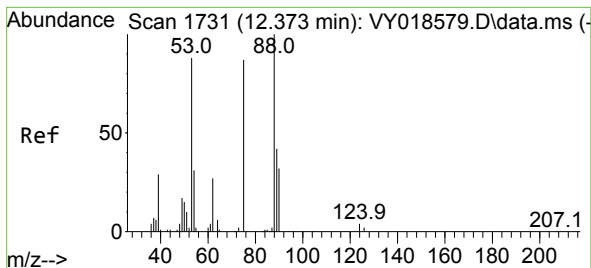
Tgt Ion: 75 Resp: 6007
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 346.766 ug/l
RT: 12.374 min Scan# 1731
Delta R.T. -0.232 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

Tgt Ion: 156 Resp: 65845
Ion Ratio Lower Upper
156 100
77 2.7 87.1 261.3#
158 0.4 48.6 145.9#

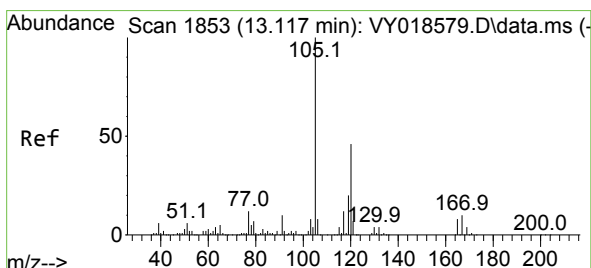
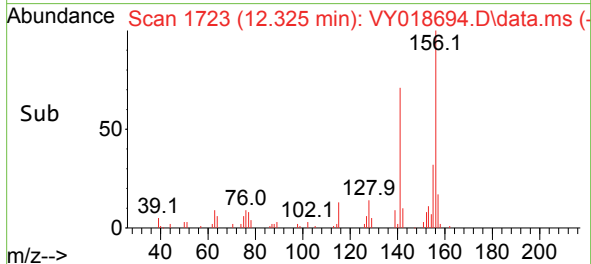
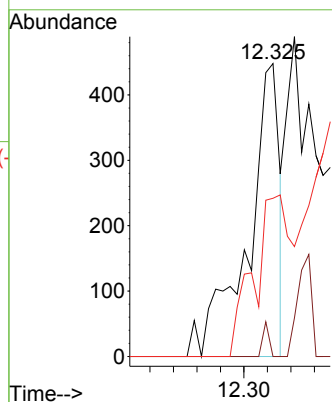
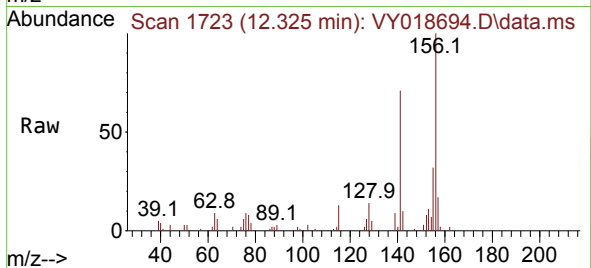




#81
trans-1,4-Dichloro-2-butene
Concen: 20.687 ug/l
RT: 12.325 min Scan# 11
Delta R.T. -0.049 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

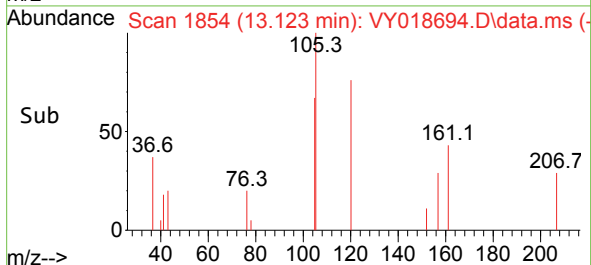
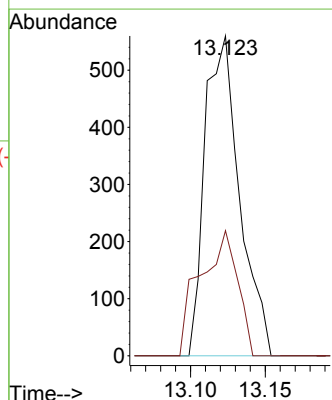
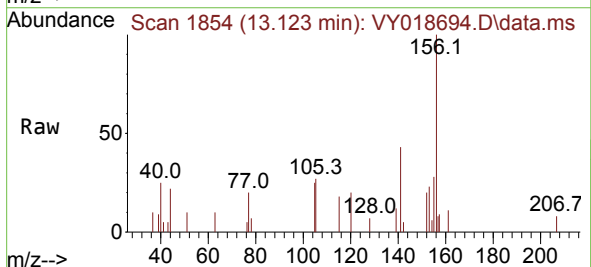
Instrument :
MSVOA_Y
ClientSampleId :

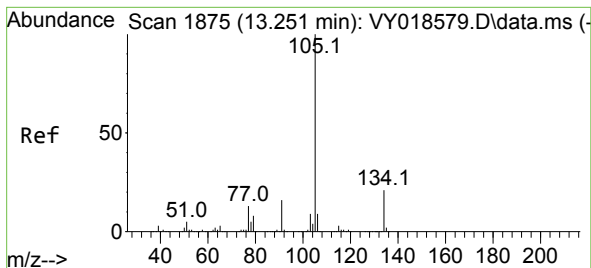
Tgt Ion: 75 Resp: 833
Ion Ratio Lower Upper
75 100
53 2.3 66.8 100.2#
89 65.2 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.387 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY018694.D
Acq: 25 Jun 2024 17:35

Tgt Ion:105 Resp: 902
Ion Ratio Lower Upper
105 100
120 42.4 23.2 69.6





#85

sec-Butylbenzene

Concen: 1.050 ug/l

RT: 13.123 min Scan# 11

Delta R.T. -0.128 min

Lab File: VY018694.D

Acq: 25 Jun 2024 17:35

Instrument :

MSVOA_Y

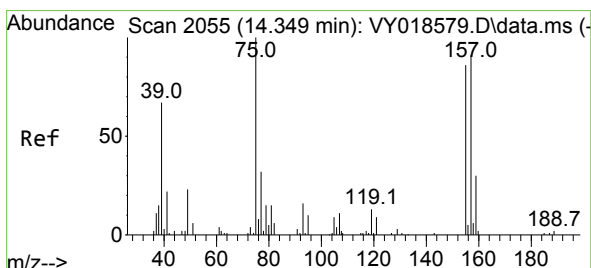
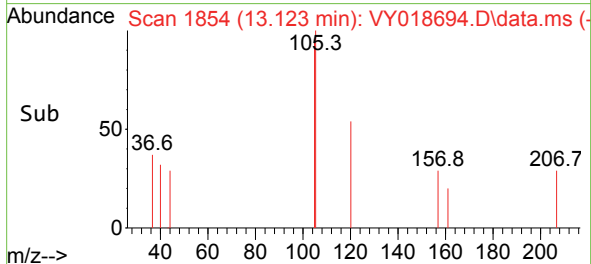
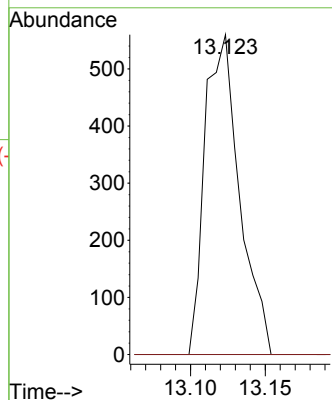
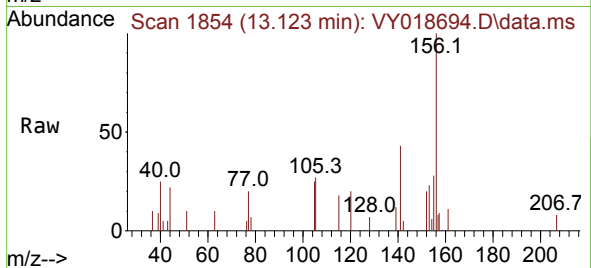
ClientSampleId :

Tgt Ion:105 Resp: 902

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.026 ug/l

RT: 14.300 min Scan# 2047

Delta R.T. -0.049 min

Lab File: VY018694.D

Acq: 25 Jun 2024 17:35

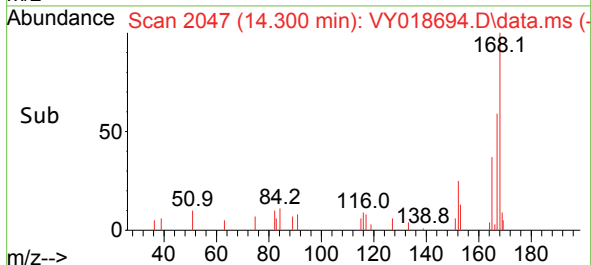
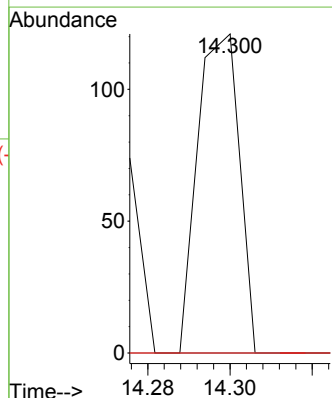
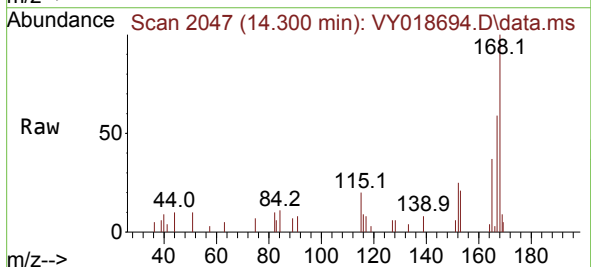
Tgt Ion: 75 Resp: 85

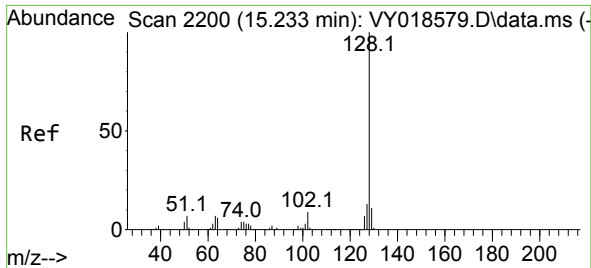
Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

157 0.0 62.7 188.2#





#95

Naphthalene

Concen: 48.493 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

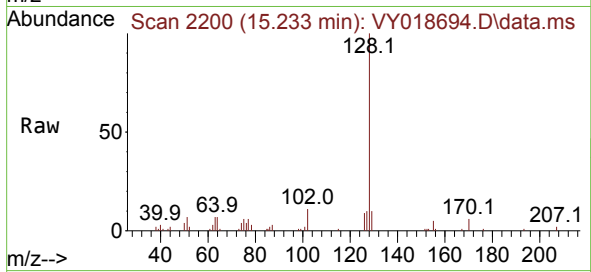
Lab File: VY018694.D

Acq: 25 Jun 2024 17:35

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 16518

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

129 12.2 8.6 13.0

