

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020724\
 Data File : VY017291.D
 Acq On : 07 Feb 2024 16:00
 Operator : SY/MD
 Sample : P1336-04
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4008

Quant Time: Feb 08 01:44:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	63305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	123995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	113680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	45260	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	32936	58.239	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.480%
35) Dibromofluoromethane	7.722	113	31341	46.813	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.620%
50) Toluene-d8	10.185	98	110066	45.154	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.300%
62) 4-Bromofluorobenzene	12.483	95	35157	44.029	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.060%

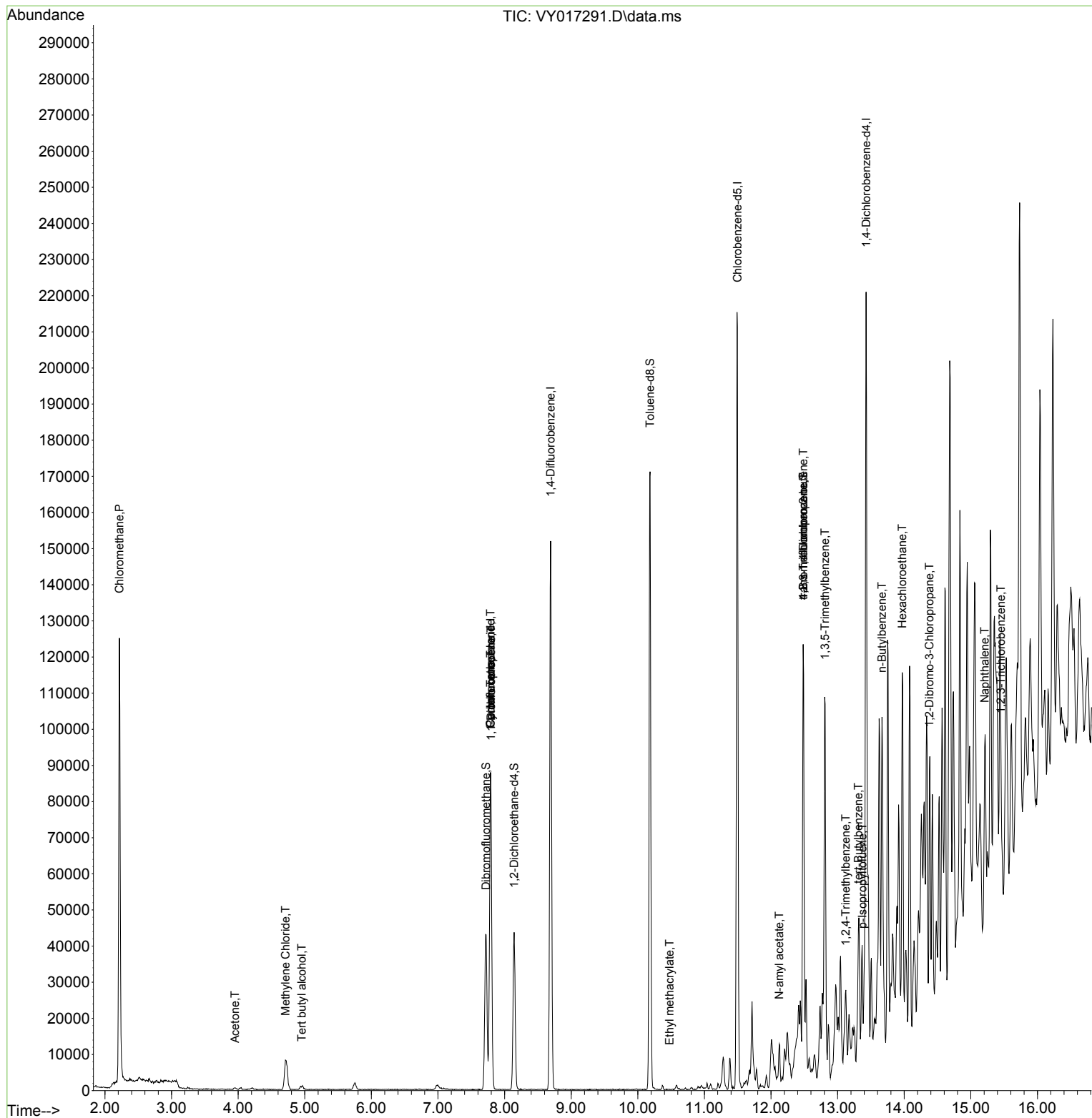
Target Compounds						Qvalue
3) Chloromethane	2.217	50	5251	6.091	ug/l #	77
11) Tert butyl alcohol	4.954	59	2013	27.620	ug/l #	82
16) Acetone	3.954	43	851	5.120	ug/l	90
20) Methylene Chloride	4.710	84	6073	5.826	ug/l	98
31) Cyclohexane	7.789	56	1851	1.624	ug/l #	24
36) 1,1-Dichloropropene	7.795	75	6067	5.254	ug/l #	48
38) Carbon Tetrachloride	7.789	117	6823	6.171	ug/l #	15
56) Ethyl methacrylate	10.477	69	20	3.028	ug/l #	27
74) N-amyl acetate	12.123	43	2232	2.988	ug/l #	76
76) 1,2,3-Trichloropropane	12.483	75	19936	47.723	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	16464	6.226	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	19936	99.162	ug/l #	12
83) tert-Butylbenzene	13.312	119	6580	2.903	ug/l	71
84) 1,2,4-Trimethylbenzene	13.123	105	9037	3.462	ug/l	94
86) p-Isopropyltoluene	13.373	119	3310	1.169	ug/l	97
89) n-Butylbenzene	13.666	91	5340	1.984	ug/l #	1
90) Hexachloroethane	13.971	117	4659	8.016	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.379	75	254	2.982	ug/l #	1
95) Naphthalene	15.208	128	1191	4.352	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.452	180	833	1.574	ug/l #	31

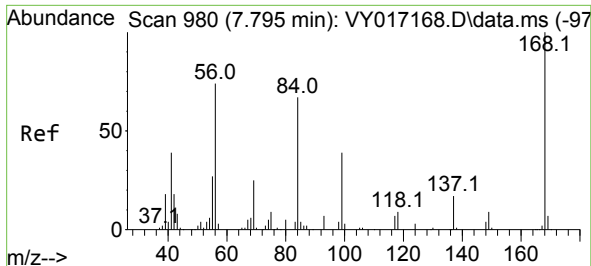
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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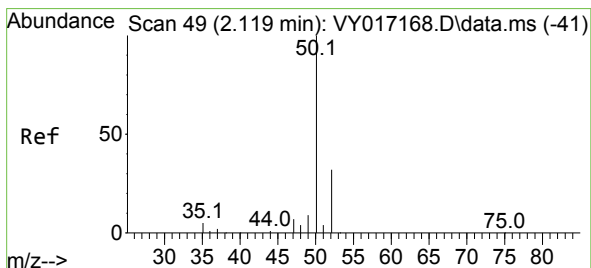
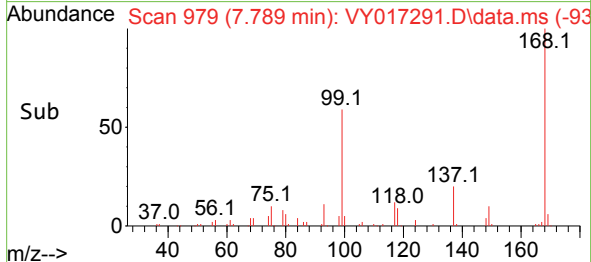
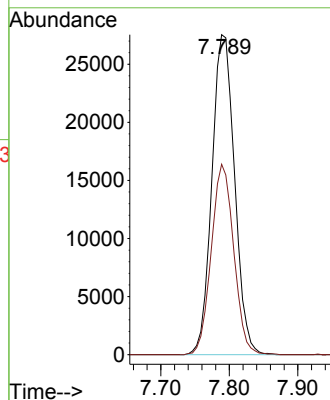
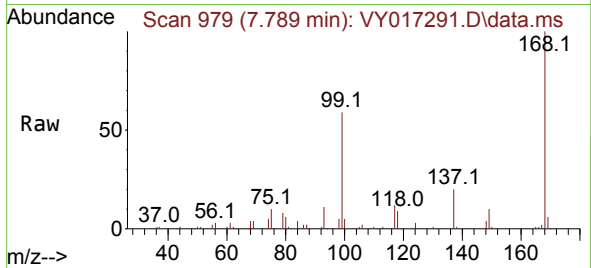




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

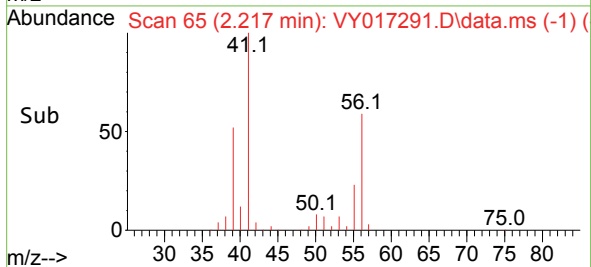
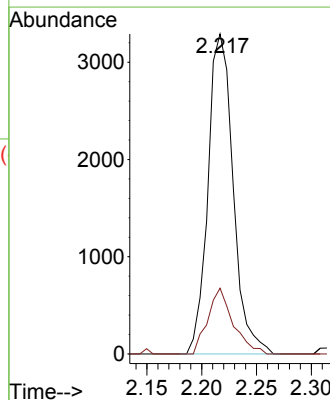
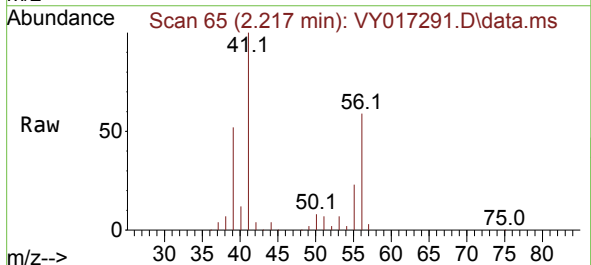
Instrument :
MSVOA_Y
ClientSampleId :
RT4008

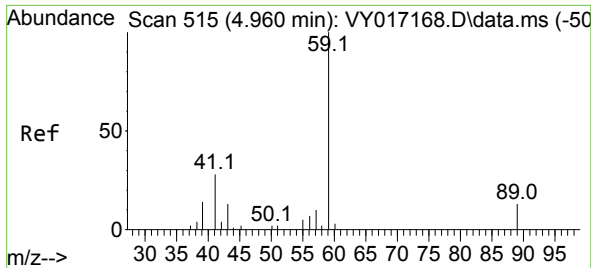
Tgt Ion:168 Resp: 63305
Ion Ratio Lower Upper
168 100
99 59.5 44.2 66.4



#3
Chloromethane
Concen: 6.091 ug/l
RT: 2.217 min Scan# 65
Delta R.T. 0.098 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Tgt Ion: 50 Resp: 5251
Ion Ratio Lower Upper
50 100
52 20.5 26.7 40.1#

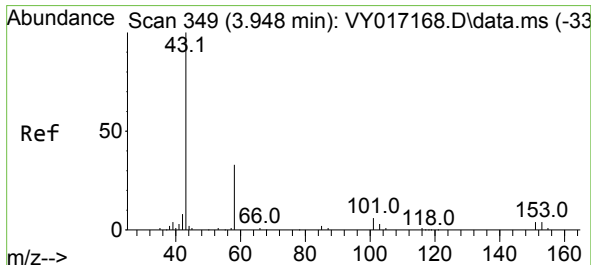
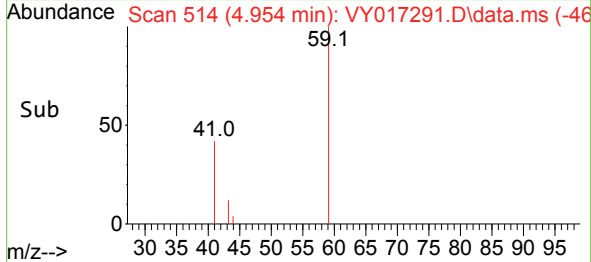
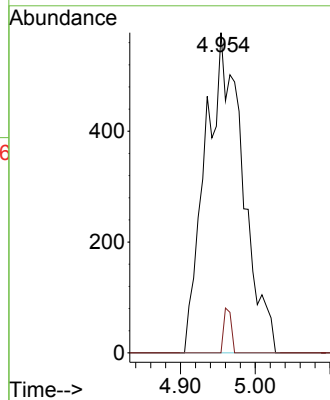
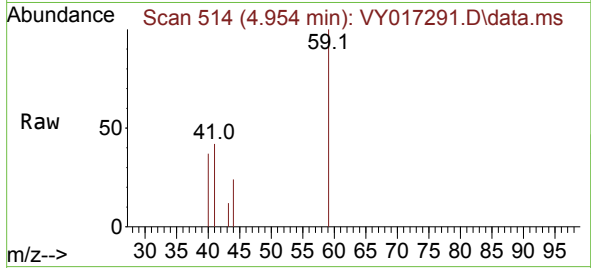




#11
Tert butyl alcohol
Concen: 27.620 ug/l
RT: 4.954 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

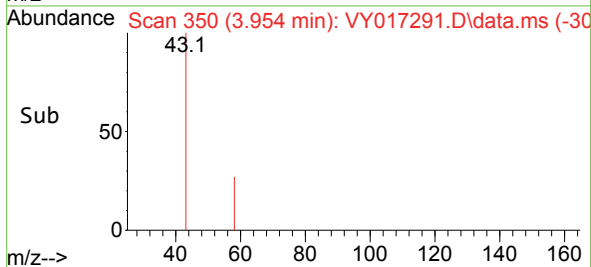
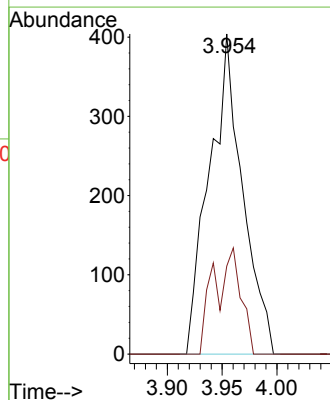
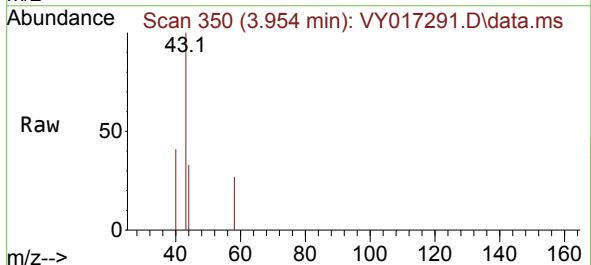
Instrument :
MSVOA_Y
ClientSampleId :
RT4008

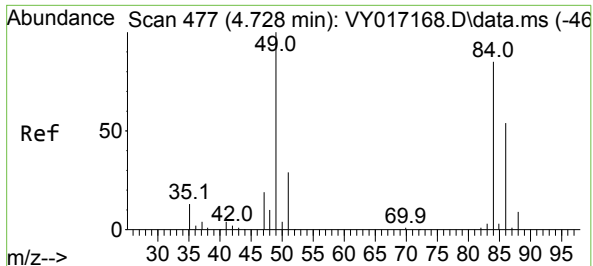
Tgt Ion: 59 Resp: 2013
Ion Ratio Lower Upper
59 100
57 2.8 7.4 11.0#



#16
Acetone
Concen: 5.120 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 27.5 26.6 39.8



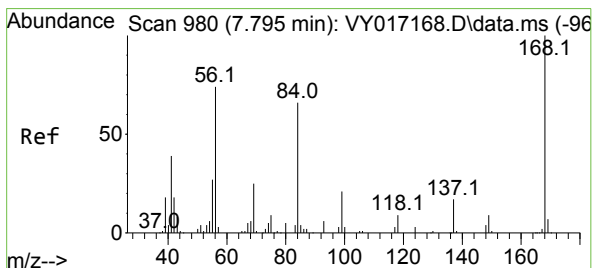
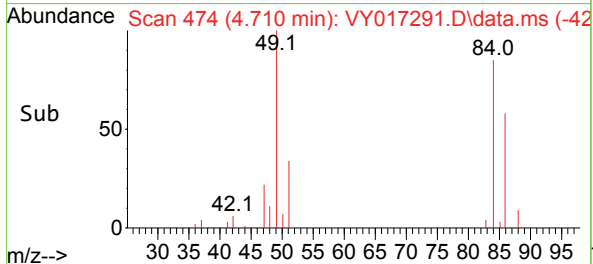
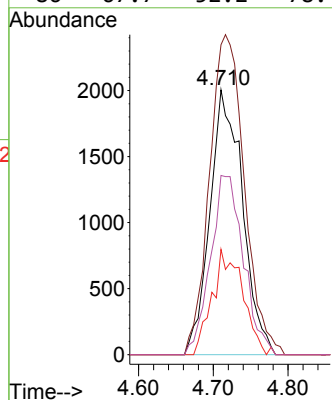
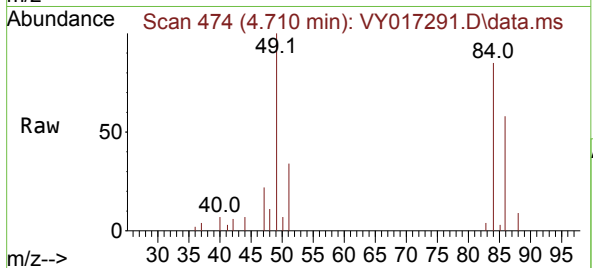


#20
Methylene Chloride
Concen: 5.826 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Instrument :
MSVOA_Y
ClientSampleId :
RT4008

Tgt Ion: 84 Resp: 6073

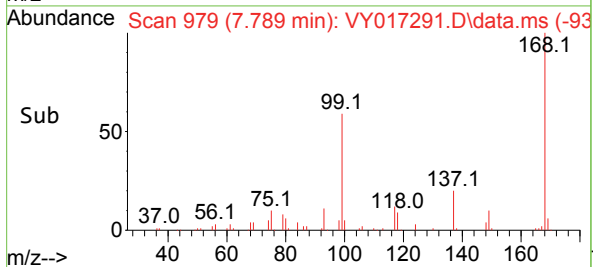
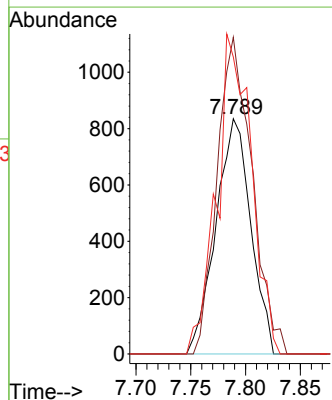
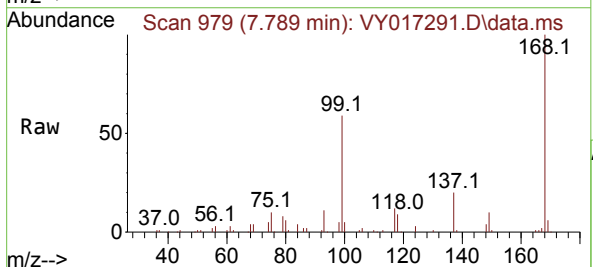
Ion	Ratio	Lower	Upper
84	100		
49	117.1	95.2	142.8
51	39.8	29.9	44.9
86	67.7	52.2	78.4

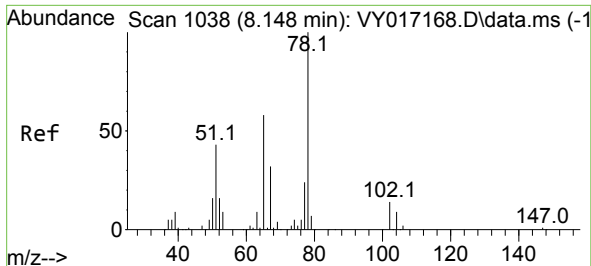


#31
Cyclohexane
Concen: 1.624 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Tgt Ion: 56 Resp: 1851

Ion	Ratio	Lower	Upper
56	100		
69	134.6	27.0	40.6#
84	126.2	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 58.239 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY017291.D

Acq: 07 Feb 2024 16:00

Instrument :

MSVOA_Y

ClientSampleId :

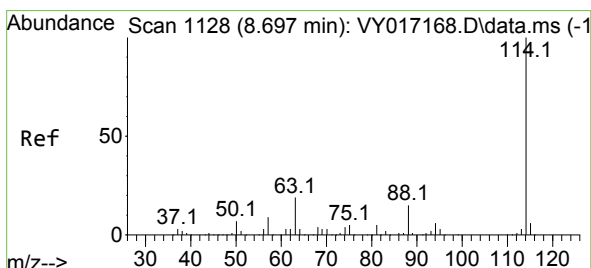
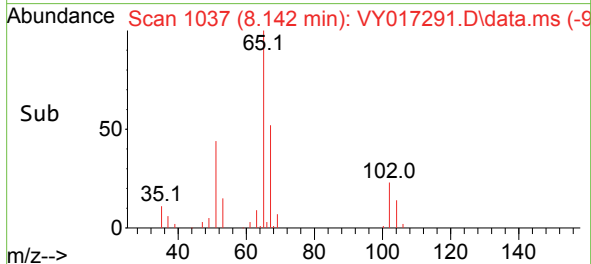
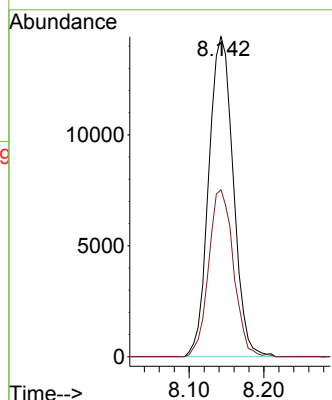
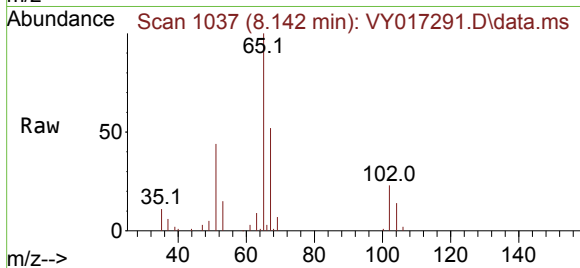
RT4008

Tgt Ion: 65 Resp: 32936

Ion Ratio Lower Upper

65 100

67 52.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017291.D

Acq: 07 Feb 2024 16:00

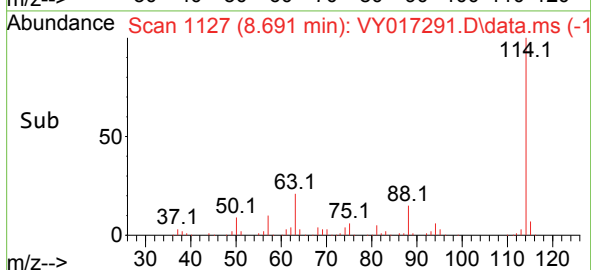
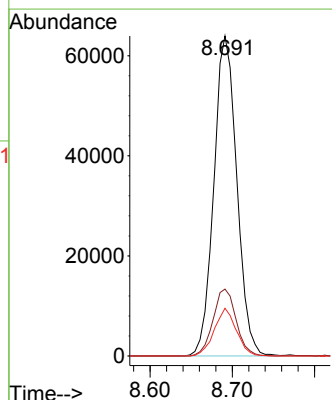
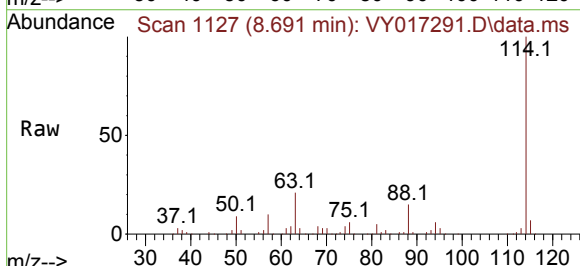
Tgt Ion: 114 Resp: 123995

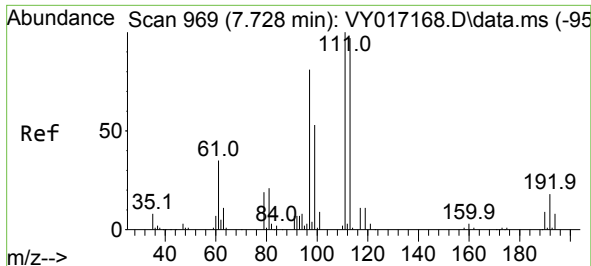
Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

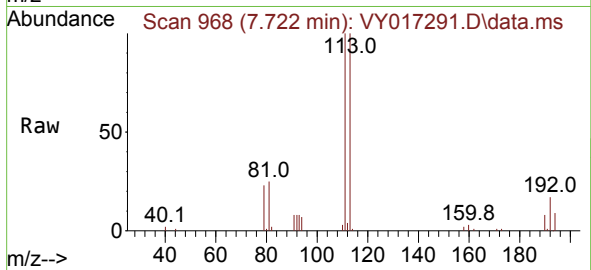
88 14.9 0.0 29.0



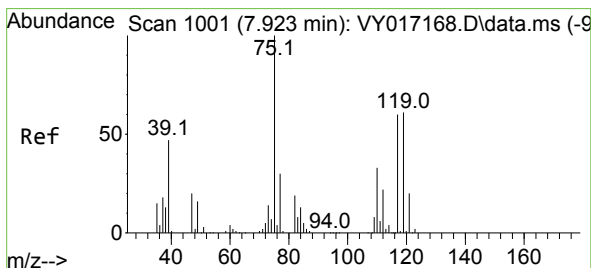
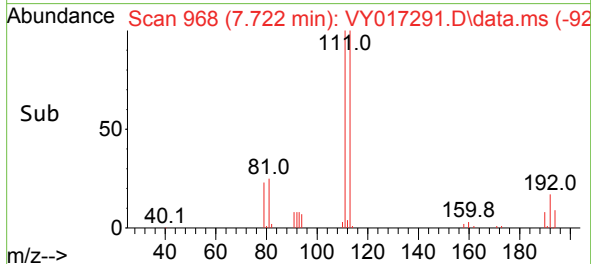
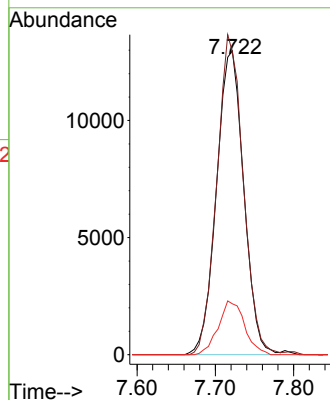


#35
Dibromofluoromethane
Concen: 46.813 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Instrument :
MSVOA_Y
ClientSampleId :
RT4008

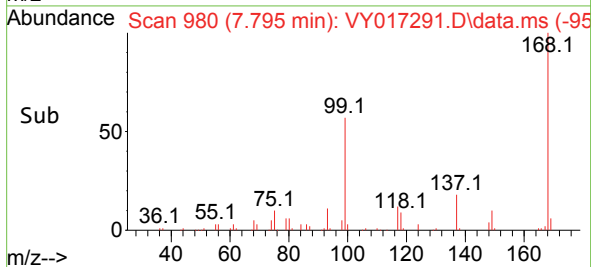
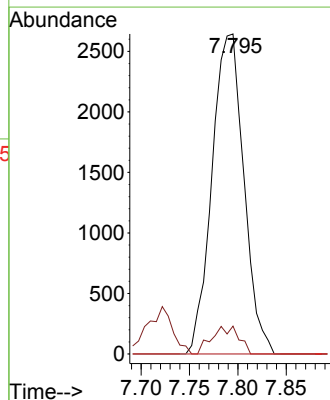
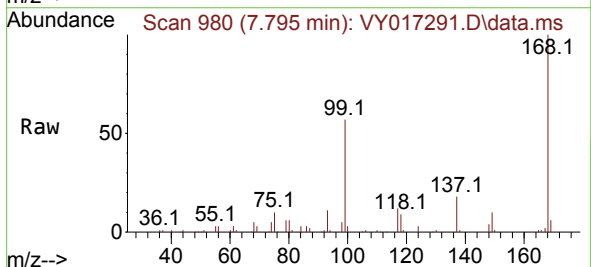


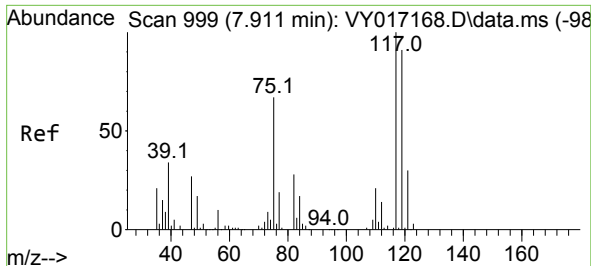
Tgt Ion:113 Resp: 31341
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.6
192 17.1 14.5 21.7



#36
1,1-Dichloropropene
Concen: 5.254 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

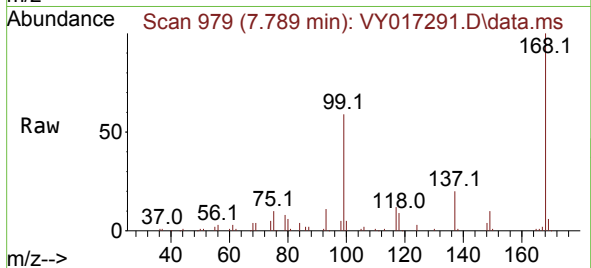
Tgt Ion: 75 Resp: 6067
Ion Ratio Lower Upper
75 100
110 7.3 17.4 52.3#
77 0.0 24.7 37.1#



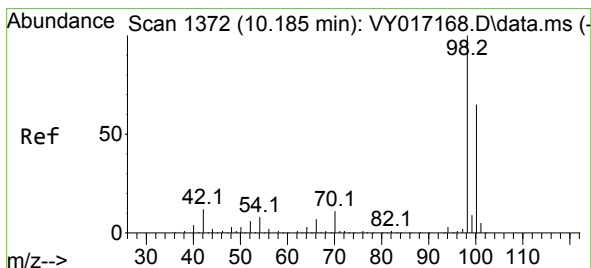
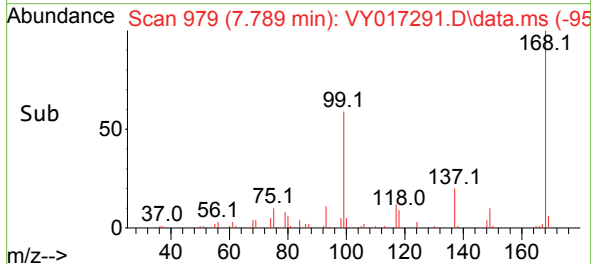
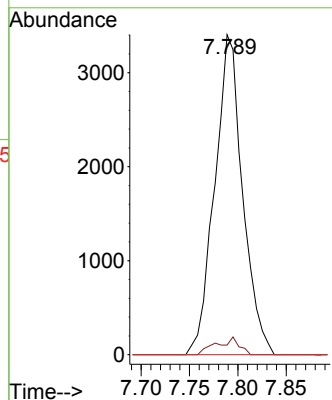


#38
Carbon Tetrachloride
Concen: 6.171 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Instrument :
MSVOA_Y
ClientSampleId :
RT4008

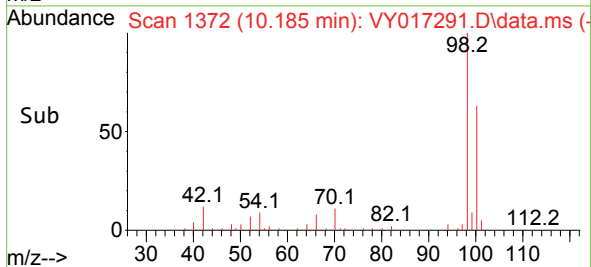
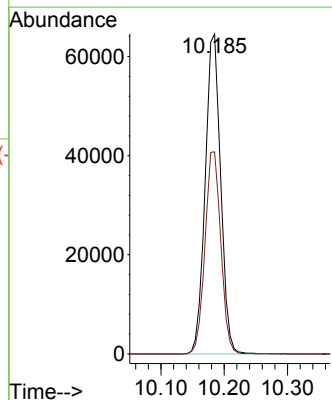
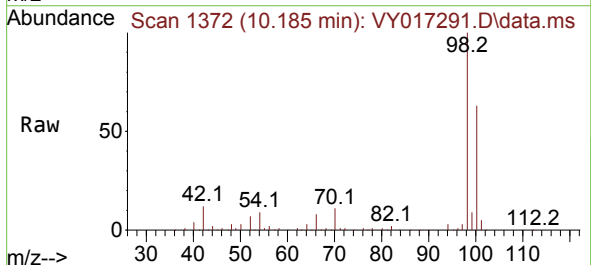


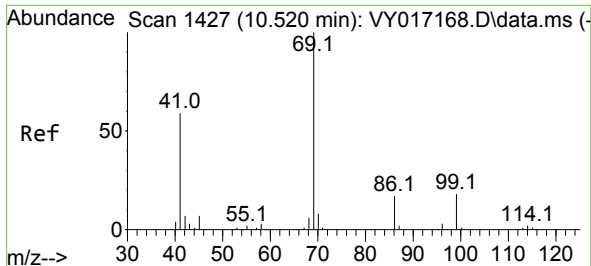
Tgt Ion:117 Resp: 6823
Ion Ratio Lower Upper
117 100
119 3.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.154 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Tgt Ion: 98 Resp: 110066
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5

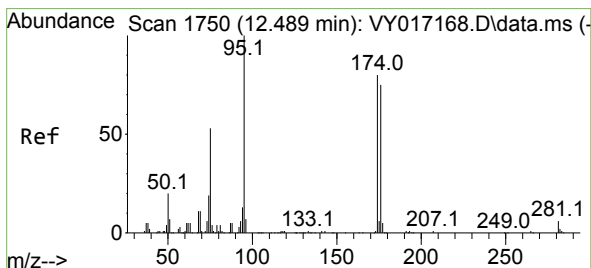
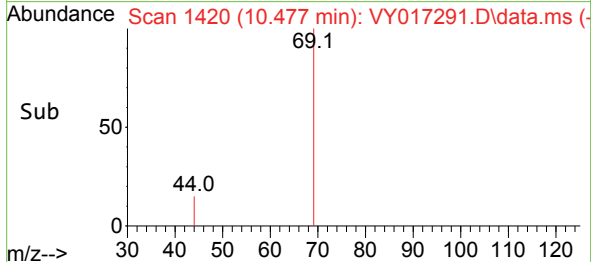
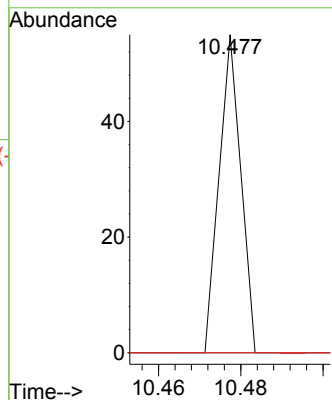
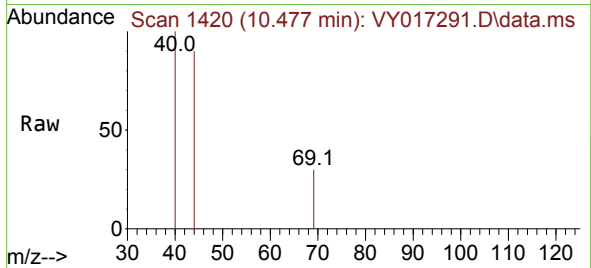




#56
Ethyl methacrylate
Concen: 3.028 ug/l
RT: 10.477 min Scan# 1427
Delta R.T. -0.043 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

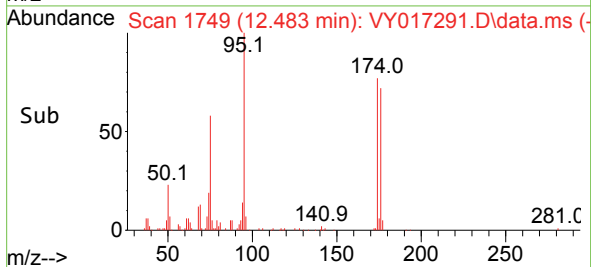
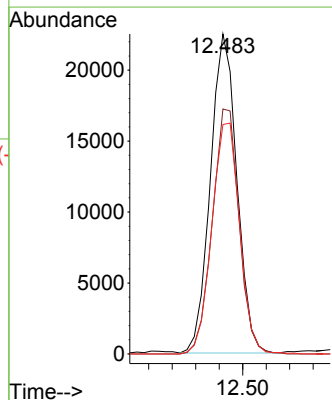
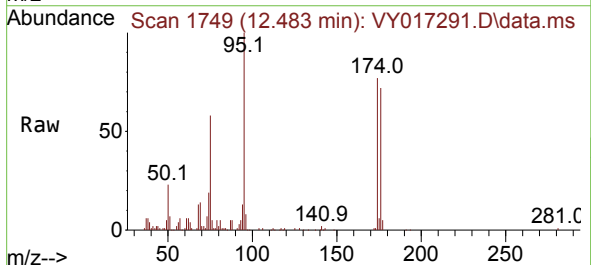
Instrument :
MSVOA_Y
ClientSampleId :
RT4008

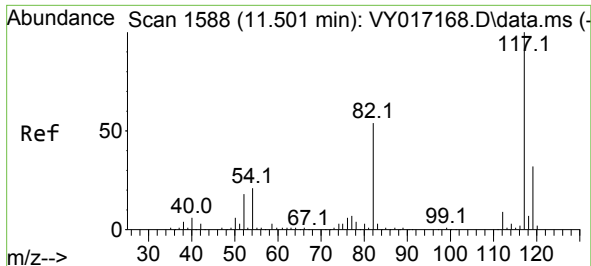
Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 0.0 49.2 73.8#
39 0.0 26.8 40.2#



#62
4-Bromofluorobenzene
Concen: 44.029 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Tgt Ion: 95 Resp: 35157
Ion Ratio Lower Upper
95 100
174 77.7 0.0 160.0
176 76.1 0.0 151.8

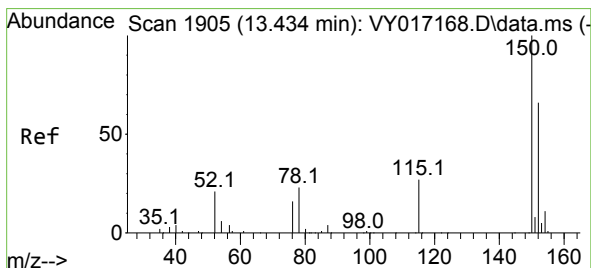
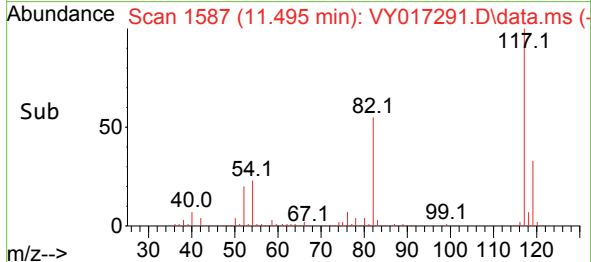
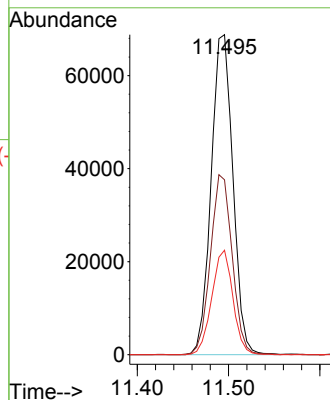
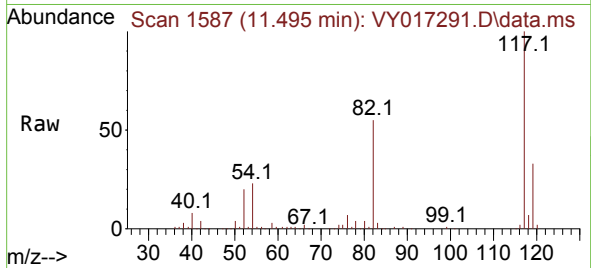




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

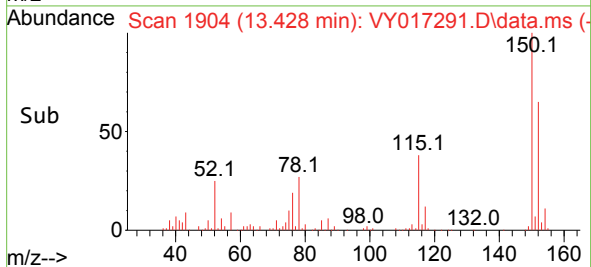
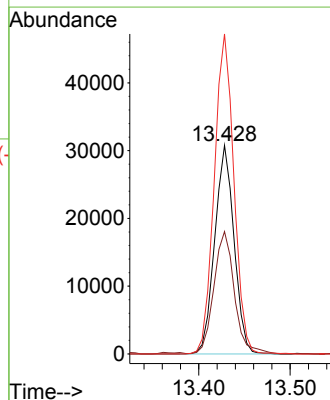
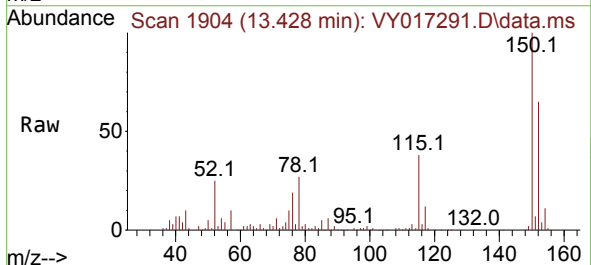
Instrument :
MSVOA_Y
ClientSampleId :
RT4008

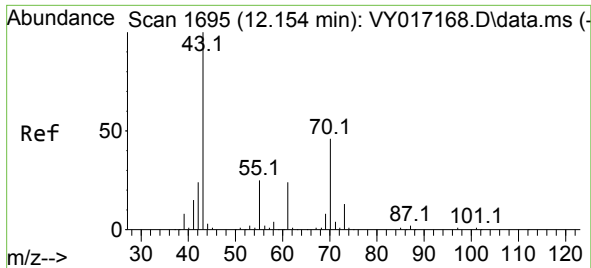
Tgt Ion:117 Resp: 113680
Ion Ratio Lower Upper
117 100
82 54.7 43.8 65.8
119 32.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Tgt Ion:152 Resp: 45260
Ion Ratio Lower Upper
152 100
115 62.2 30.0 90.0
150 155.6 0.0 344.6

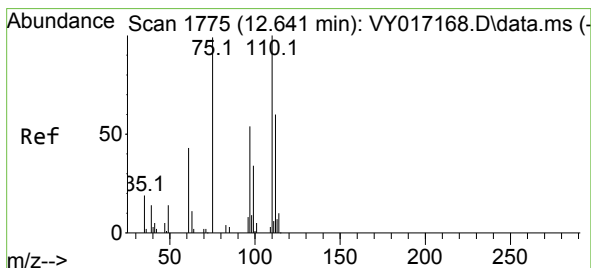
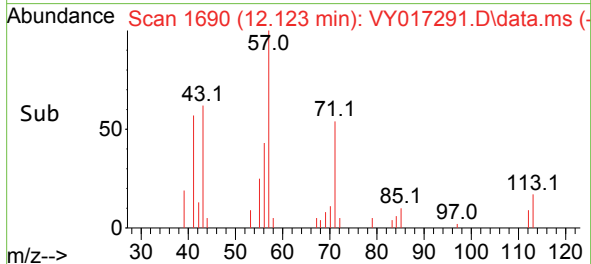
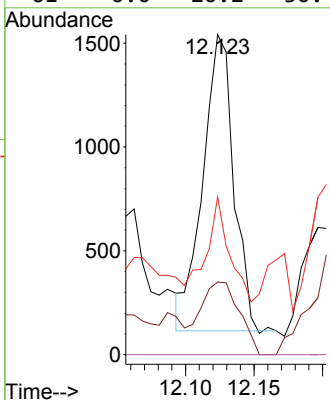
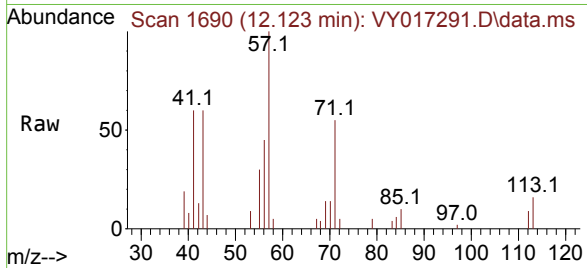




#74
N-amy1 acetate
Concen: 2.988 ug/l
RT: 12.123 min Scan# 1
Delta R.T. -0.030 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

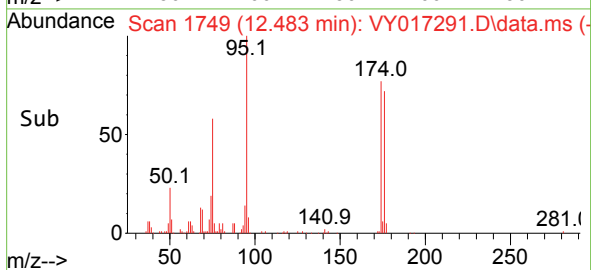
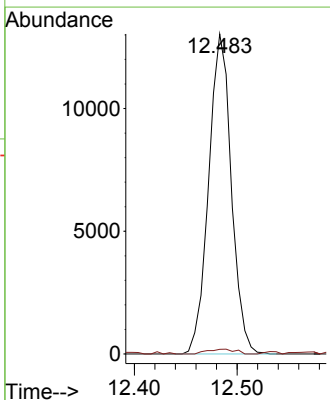
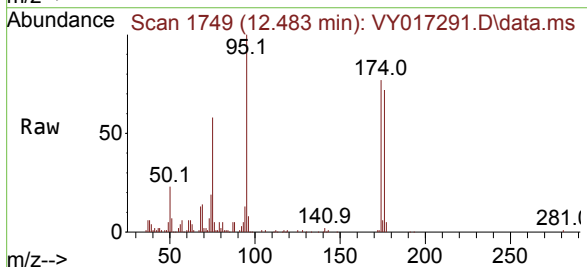
Instrument :
MSVOA_Y
ClientSampleId :
RT4008

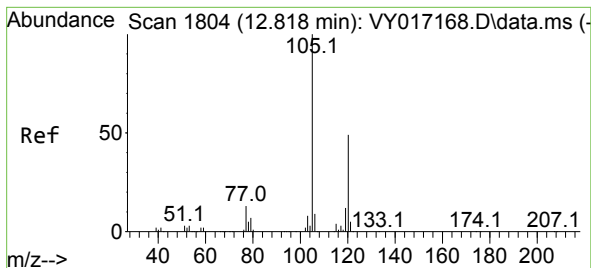
Tgt Ion: 43 Resp: 2232
Ion Ratio Lower Upper
43 100
70 31.3 36.6 55.0#
55 26.5 22.2 33.4
61 0.0 20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 47.723 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.158 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Tgt Ion: 75 Resp: 19936
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 6.226 ug/l

RT: 12.812 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017291.D

Acq: 07 Feb 2024 16:00

Instrument :

MSVOA_Y

ClientSampleId :

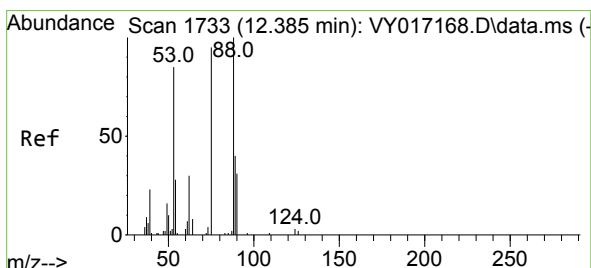
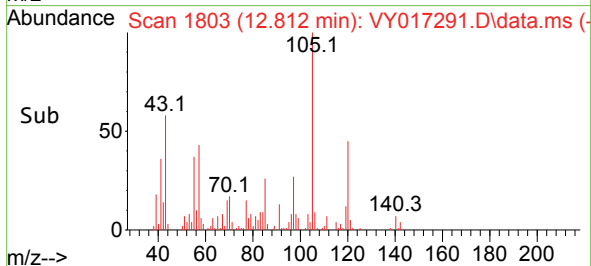
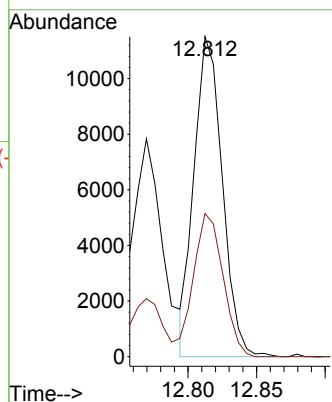
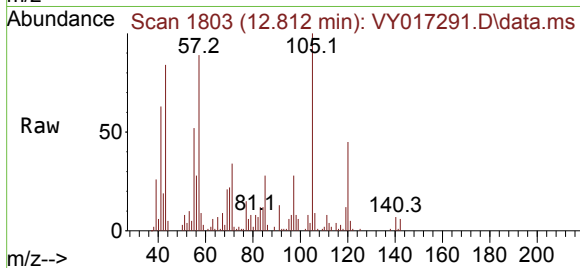
RT4008

Tgt Ion:105 Resp: 16464

Ion Ratio Lower Upper

105 100

120 47.4 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 99.162 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY017291.D

Acq: 07 Feb 2024 16:00

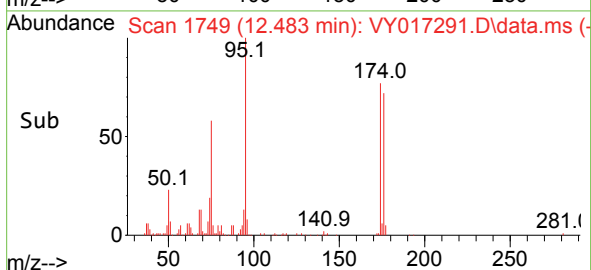
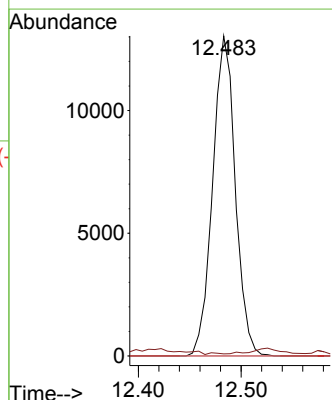
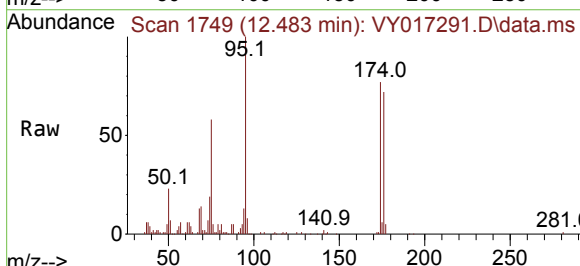
Tgt Ion: 75 Resp: 19936

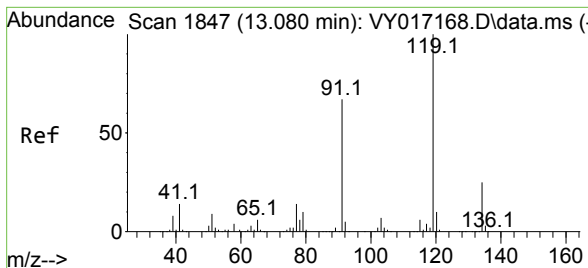
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#





#83

tert-Butylbenzene

Concen: 2.903 ug/l

RT: 13.312 min Scan# 1885

Delta R.T. 0.232 min

Lab File: VY017291.D

Acq: 07 Feb 2024 16:00

Instrument :

MSVOA_Y

ClientSampleId :

RT4008

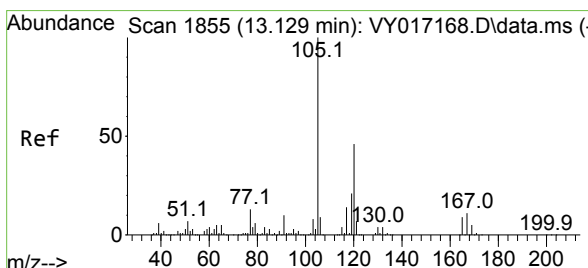
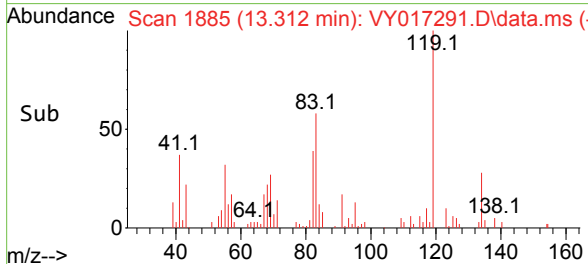
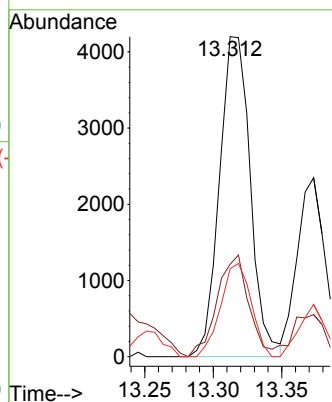
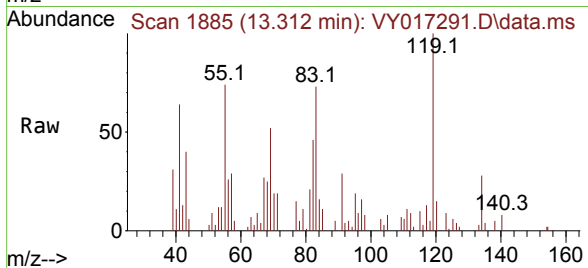
Tgt Ion:119 Resp: 6580

Ion Ratio Lower Upper

119 100

91 32.6 31.5 94.5

134 28.8 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 3.462 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY017291.D

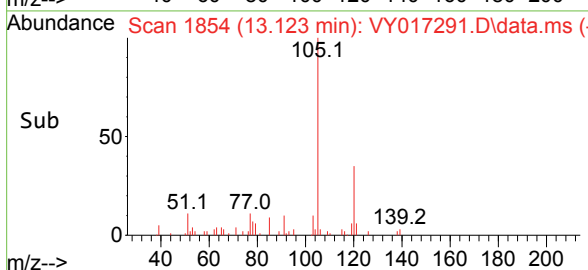
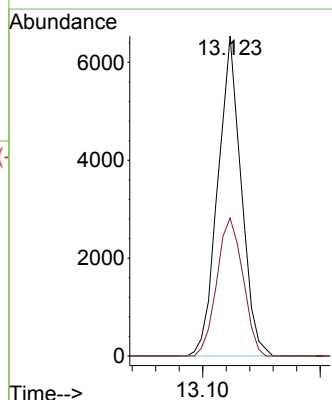
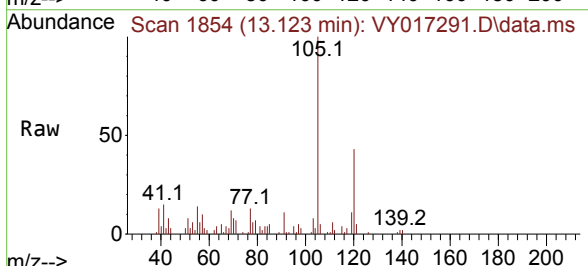
Acq: 07 Feb 2024 16:00

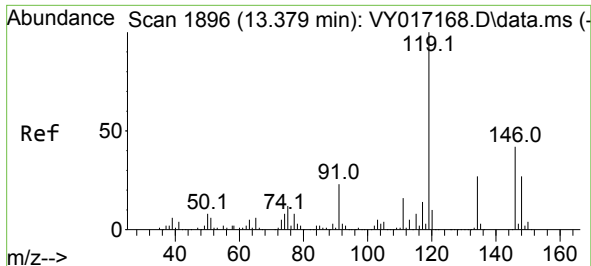
Tgt Ion:105 Resp: 9037

Ion Ratio Lower Upper

105 100

120 48.0 22.1 66.3

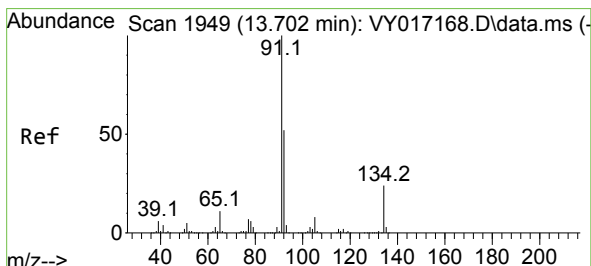
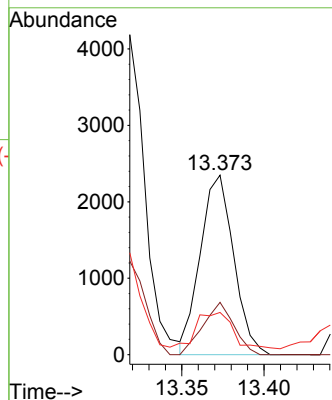
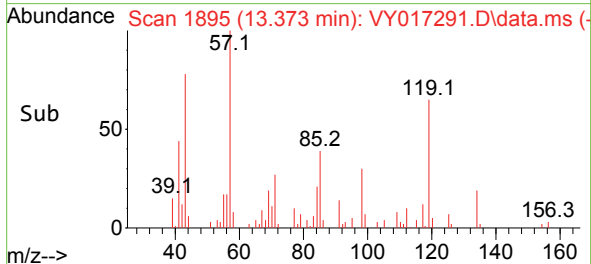
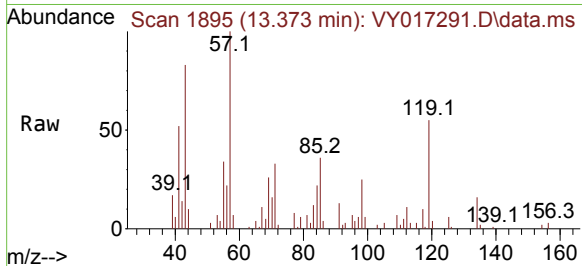




#86
p-Isopropyltoluene
Concen: 1.169 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.006 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

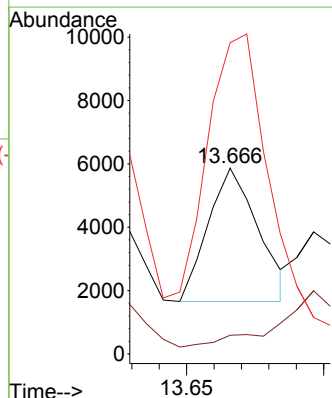
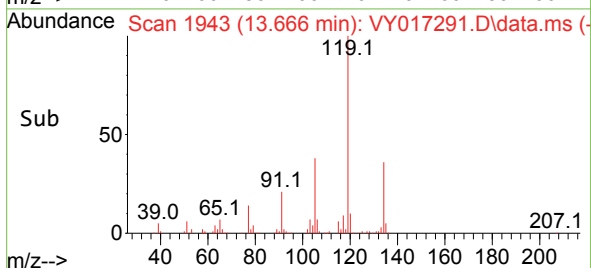
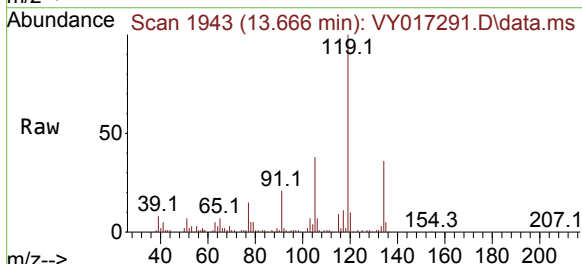
Instrument :
MSVOA_Y
ClientSampleId :
RT4008

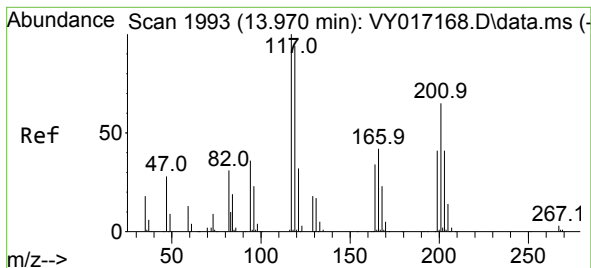
Tgt Ion:119 Resp: 3310
Ion Ratio Lower Upper
119 100
134 27.1 13.1 39.1
91 21.8 11.7 35.0



#89
n-Butylbenzene
Concen: 1.984 ug/l
RT: 13.666 min Scan# 1943
Delta R.T. -0.036 min
Lab File: VY017291.D
Acq: 07 Feb 2024 16:00

Tgt Ion: 91 Resp: 5340
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.2#
134 333.9 12.3 36.8#





#90

Hexachloroethane

Concen: 8.016 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VY017291.D

Acq: 07 Feb 2024 16:00

Instrument :

MSVOA_Y

ClientSampleId :

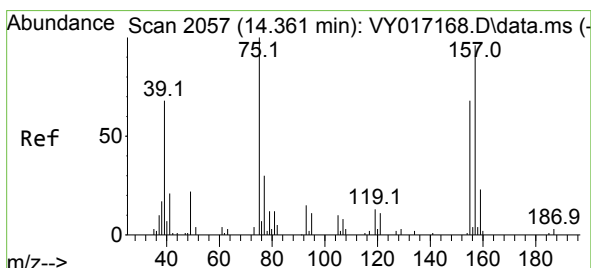
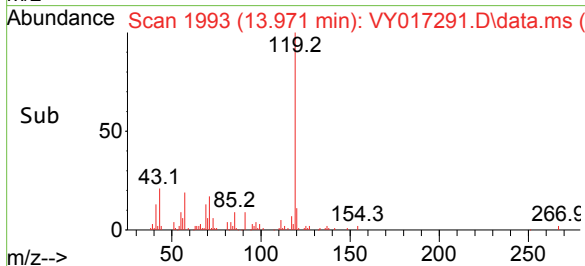
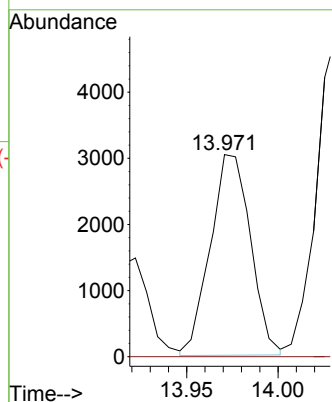
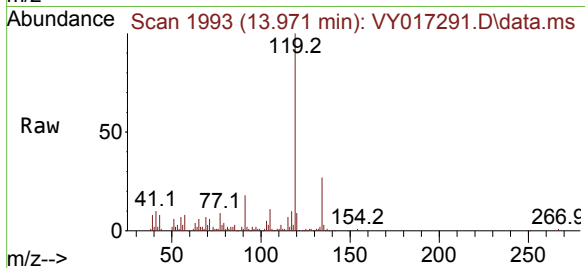
RT4008

Tgt Ion:117 Resp: 4659

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.982 ug/l

RT: 14.379 min Scan# 2060

Delta R.T. 0.019 min

Lab File: VY017291.D

Acq: 07 Feb 2024 16:00

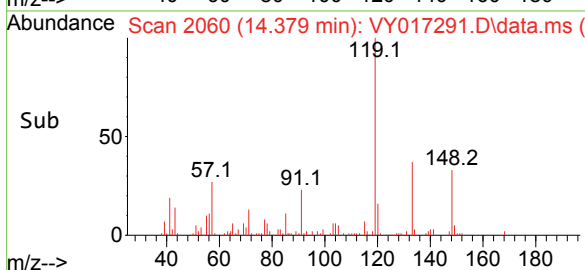
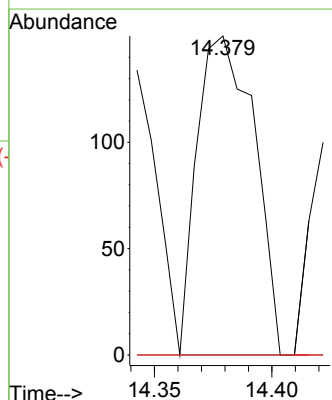
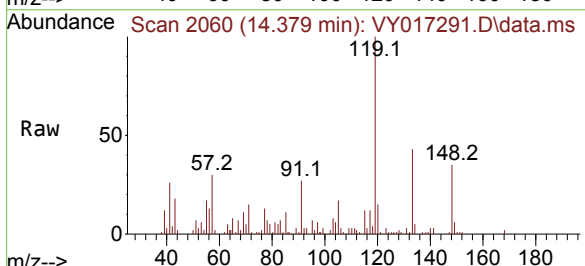
Tgt Ion: 75 Resp: 254

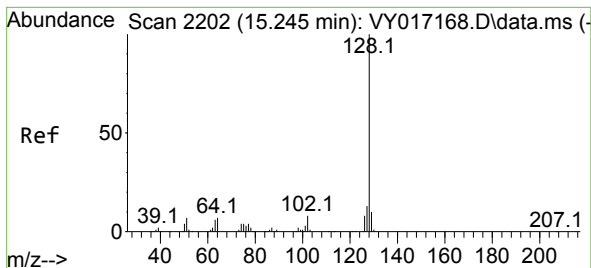
Ion Ratio Lower Upper

75 100

155 0.0 42.1 126.3#

157 0.0 55.8 167.4#





#95

Naphthalene

Concen: 4.352 ug/l

RT: 15.208 min Scan# 2196

Delta R.T. -0.037 min

Lab File: VY017291.D

Acq: 07 Feb 2024 16:00

Instrument :

MSVOA_Y

ClientSampleId :

RT4008

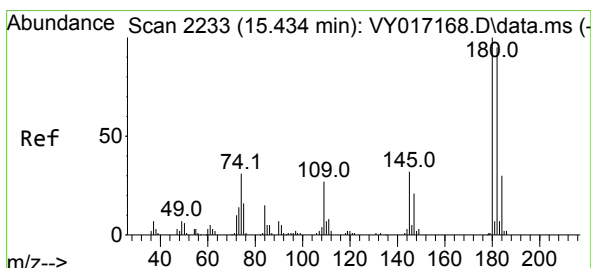
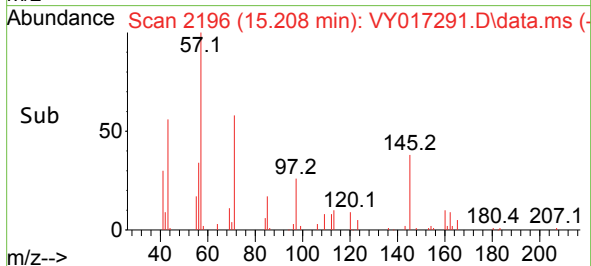
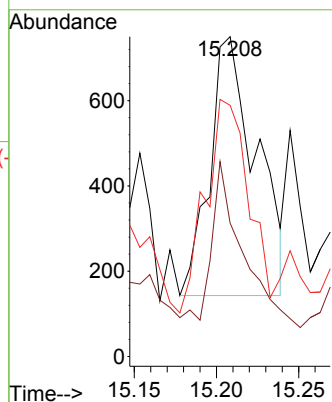
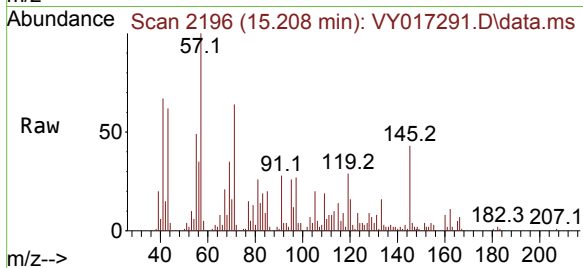
Tgt Ion:128 Resp: 1191

Ion Ratio Lower Upper

128 100

127 43.4 10.2 15.4#

129 79.1 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 1.574 ug/l

RT: 15.452 min Scan# 2236

Delta R.T. 0.019 min

Lab File: VY017291.D

Acq: 07 Feb 2024 16:00

Tgt Ion:180 Resp: 833

Ion Ratio Lower Upper

180 100

182 22.1 46.3 138.8#

145 0.0 16.1 48.2#

