

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015178.D
 Acq On : 17 Aug 2023 17:40
 Operator : SY/MD
 Sample : 04054-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 00:55:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

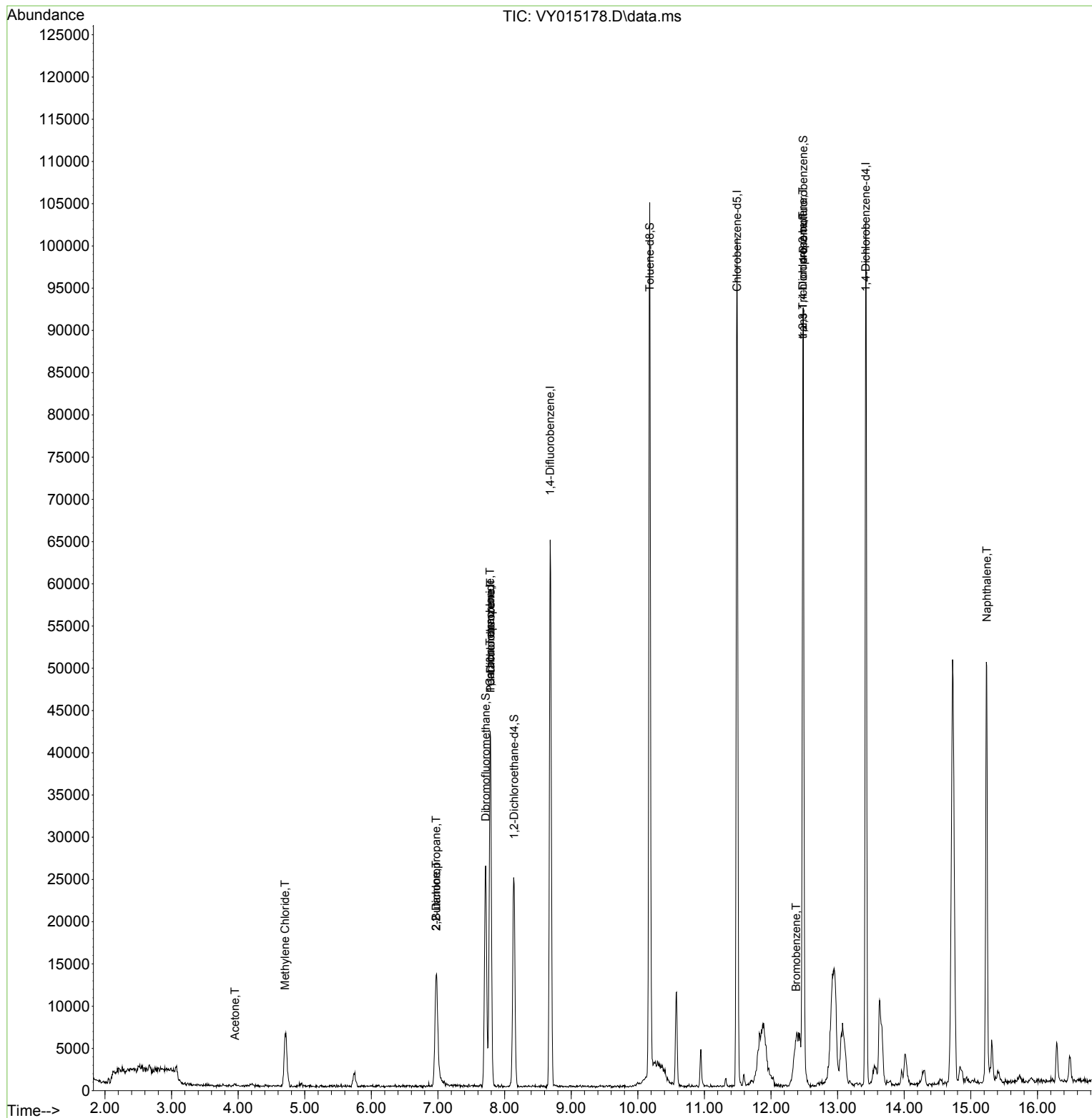
Internal Standards						
1) Pentafluorobenzene	7.789	168	32653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	56754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	54686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	26377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	20337	51.884	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.760%	
35) Dibromofluoromethane	7.716	113	18316	50.165	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.320%	
50) Toluene-d8	10.179	98	67354	49.555	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	12.483	95	24661	49.676	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.360%	
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	164	Below Cal	#	43
5) Bromomethane	2.656	94	67	Below Cal		90
11) Tert butyl alcohol	4.936	59	242	Below Cal	#	89
16) Acetone	3.954	43	313	2.444	ug/l #	46
20) Methylene Chloride	4.704	84	5004	13.111	ug/l #	80
25) 2-Butanone	6.972	43	764	4.214	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1205	2.297	ug/l #	54
31) Cyclohexane	7.783	56	761	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	2719	6.731	ug/l #	48
38) Carbon Tetrachloride	7.783	117	3267	6.834	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	13912	43.412	ug/l #	100
77) Bromobenzene	12.380	156	2447	5.919	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	13912	95.355	ug/l #	11
95) Naphthalene	15.239	128	42925	35.037	ug/l	99

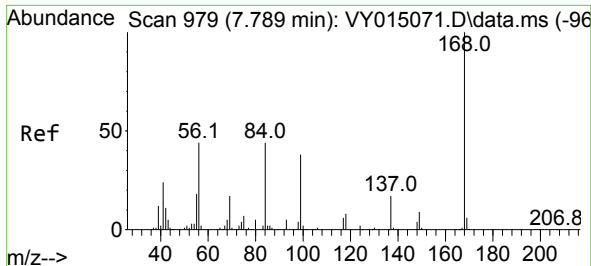
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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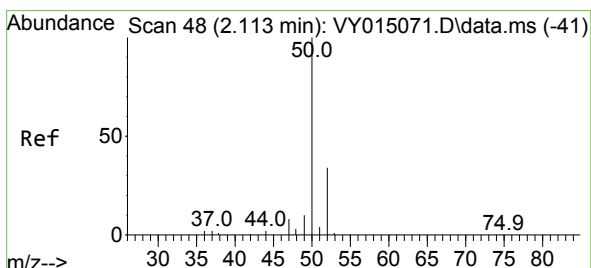
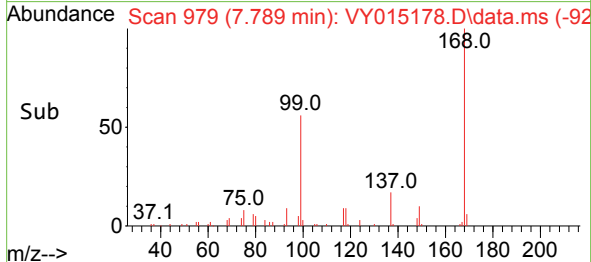
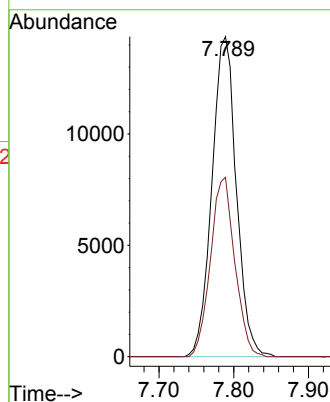
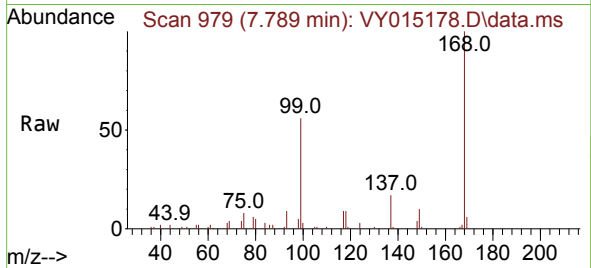




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

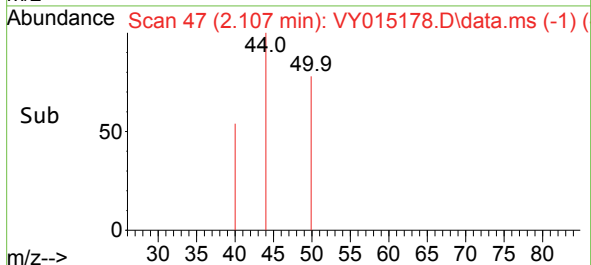
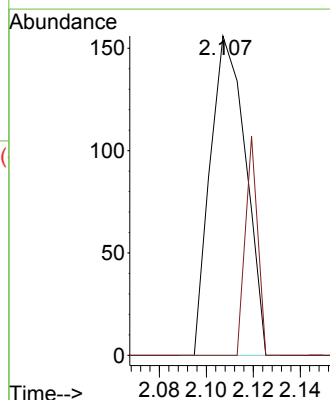
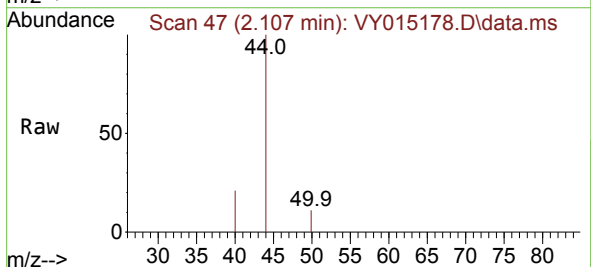
Instrument :
MSVOA_Y
ClientSampleId :

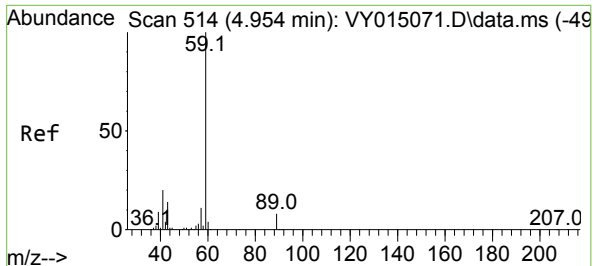
Tgt Ion:168 Resp: 32653
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

Tgt Ion: 50 Resp: 164
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.012 min

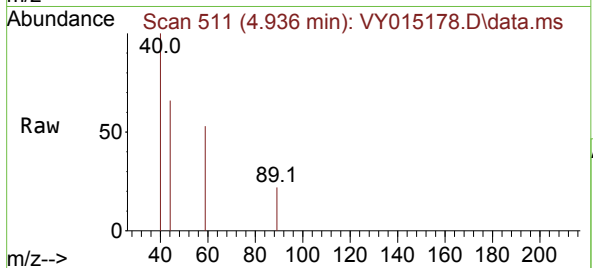
Lab File: VY015178.D

Acq: 17 Aug 2023 17:40

Instrument :

MSVOA_Y

ClientSampleId :

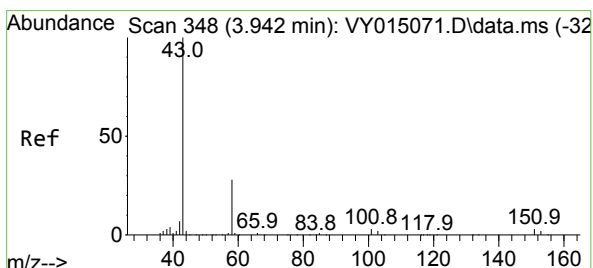
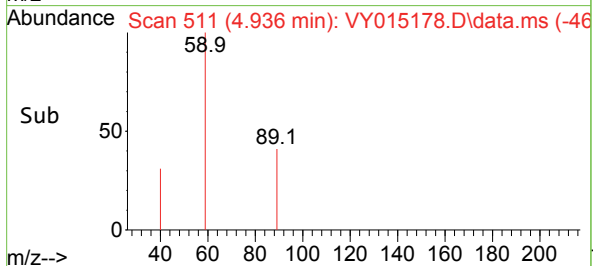
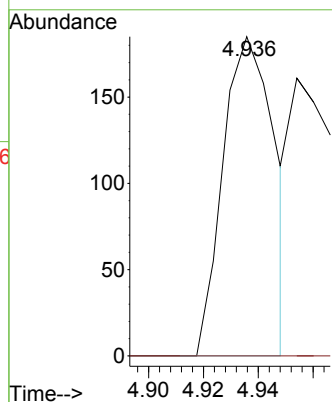


Tgt Ion: 59 Resp: 242

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 2.444 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015178.D

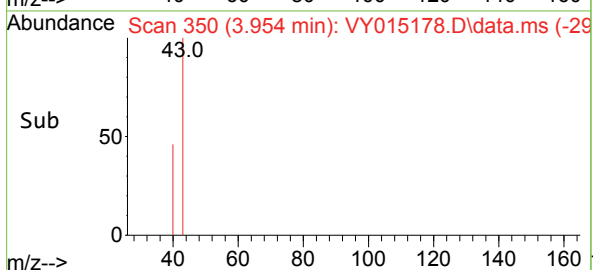
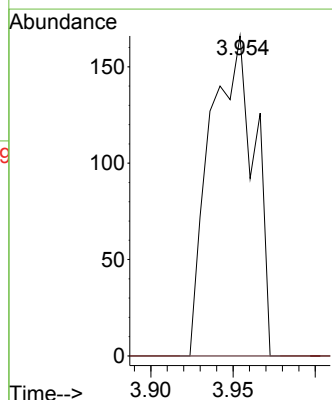
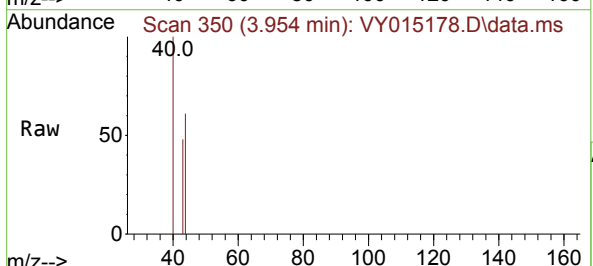
Acq: 17 Aug 2023 17:40

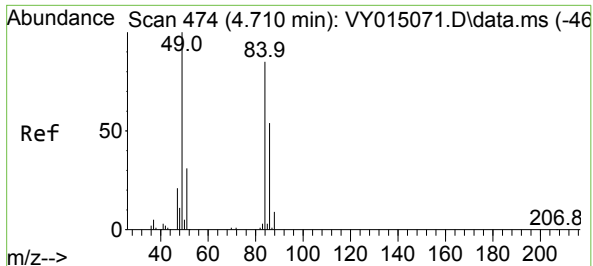
Tgt Ion: 43 Resp: 313

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#





#20

Methylene Chloride

Concen: 13.111 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

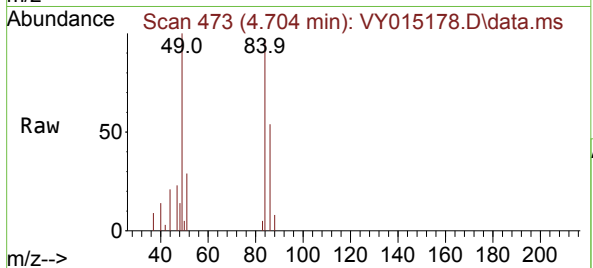
Lab File: VY015178.D

Acq: 17 Aug 2023 17:40

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 5004

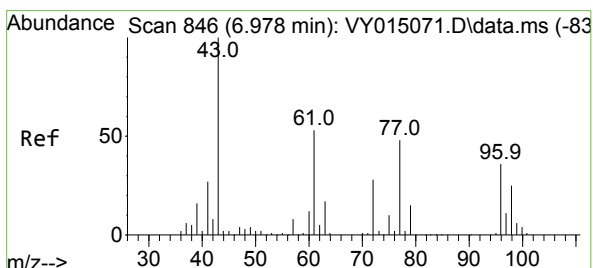
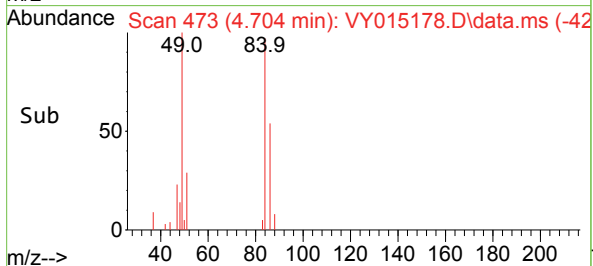
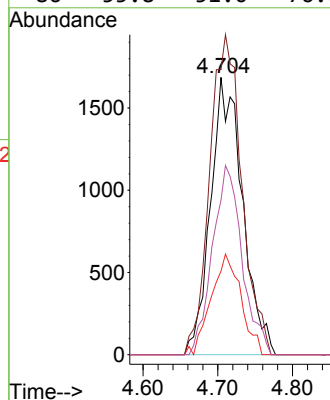
Ion Ratio Lower Upper

84 100

49 102.8 106.9 160.3#

51 30.1 33.2 49.8#

86 55.8 51.0 76.6



#25

2-Butanone

Concen: 4.214 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY015178.D

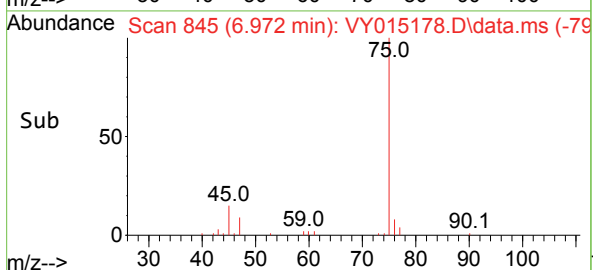
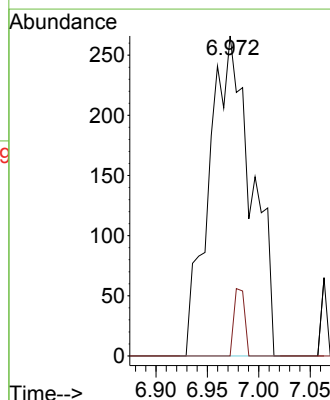
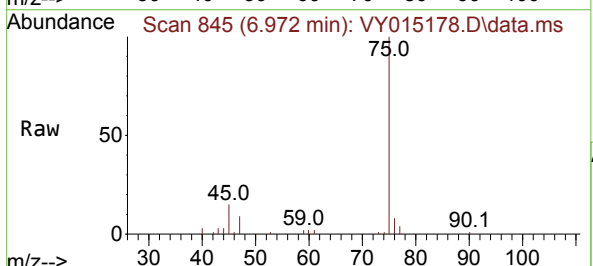
Acq: 17 Aug 2023 17:40

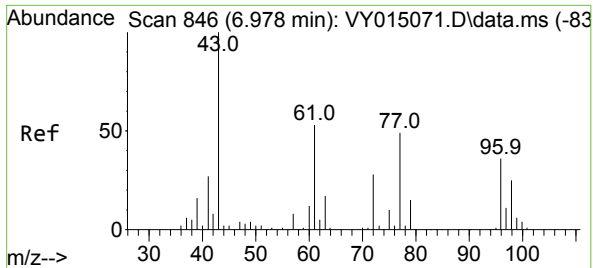
Tgt Ion: 43 Resp: 764

Ion Ratio Lower Upper

43 100

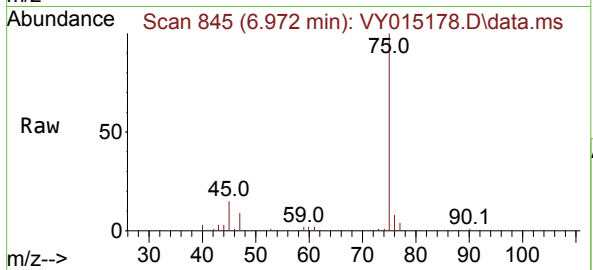
72 0.0 20.5 30.7#



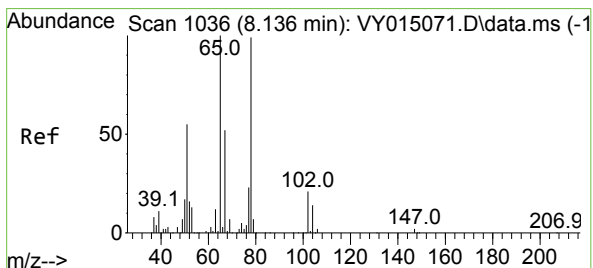
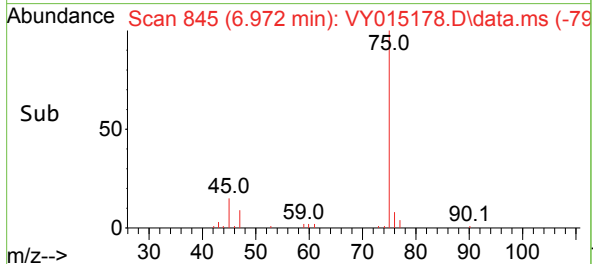
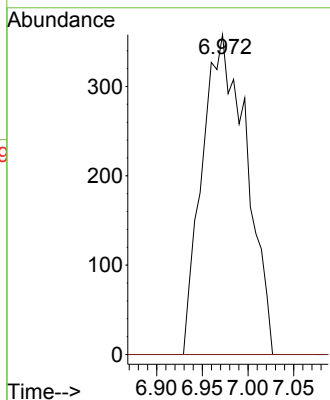


#26
2,2-Dichloropropane
Concen: 2.297 ug/l
RT: 6.972 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

Instrument :
MSVOA_Y
ClientSampleId :

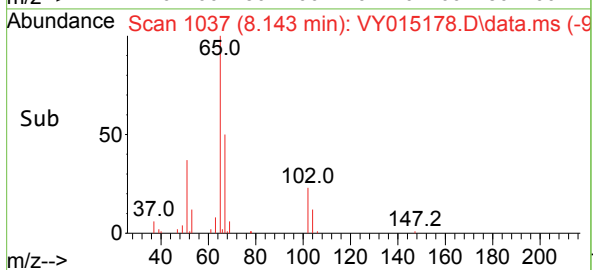
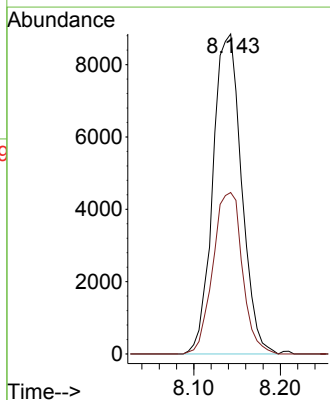
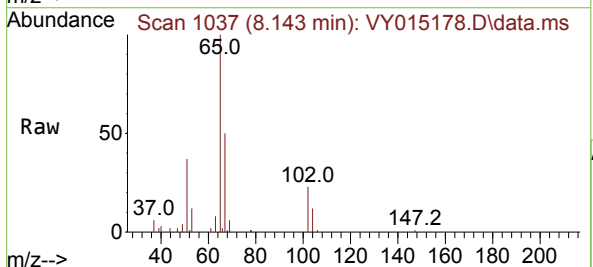


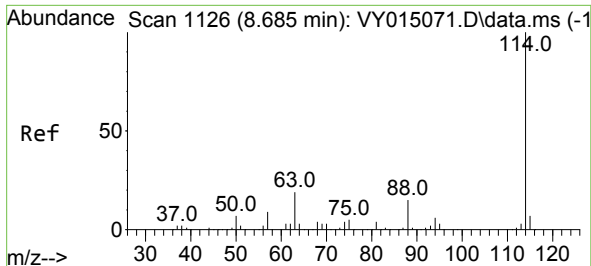
Tgt Ion: 77 Resp: 1205
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 51.884 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

Tgt Ion: 65 Resp: 20337
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.8

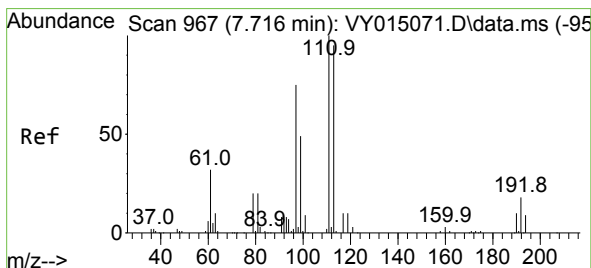
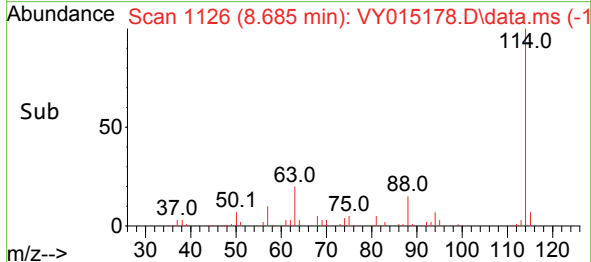
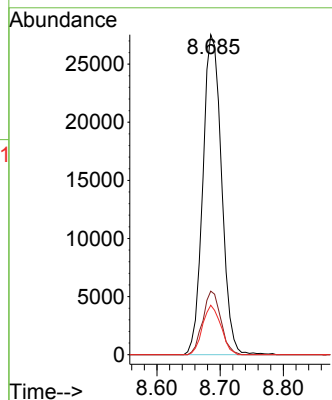
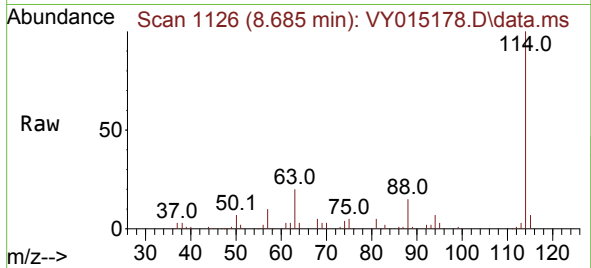




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

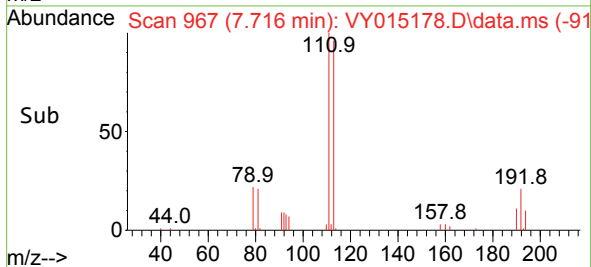
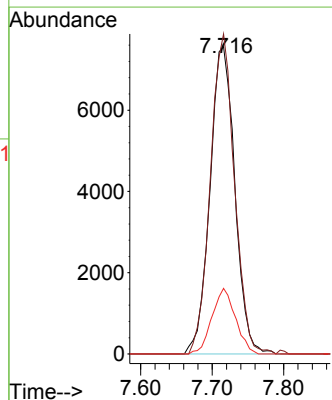
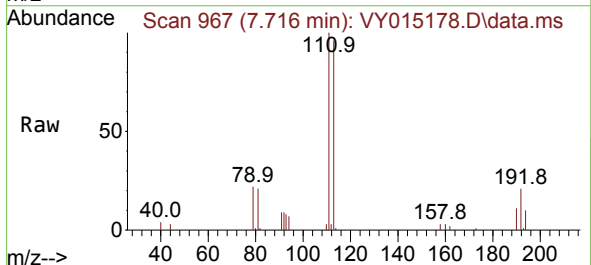
Instrument :
MSVOA_Y
ClientSampleId :

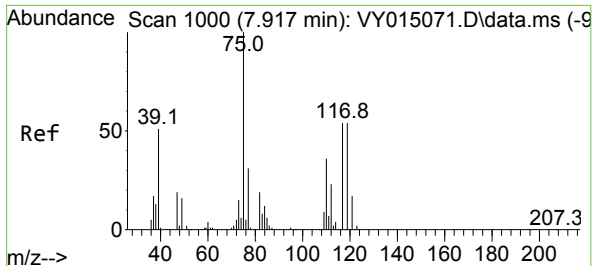
Tgt Ion:114 Resp: 56754
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.165 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

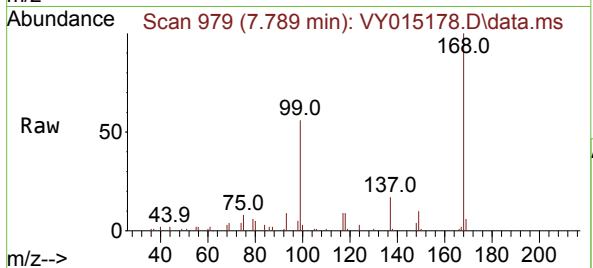
Tgt Ion:113 Resp: 18316
Ion Ratio Lower Upper
113 100
111 100.9 81.3 121.9
192 20.2 16.9 25.3



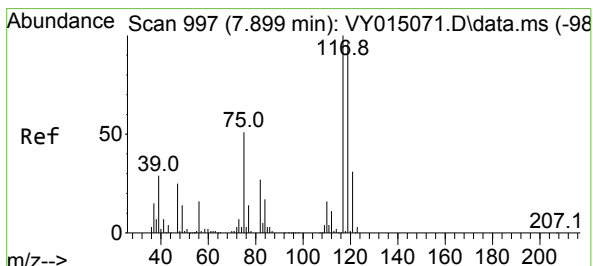
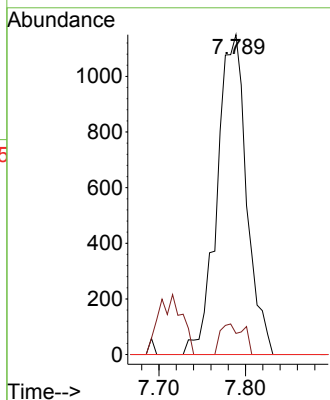
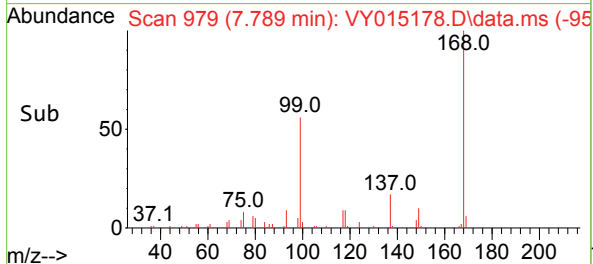


#36
1,1-Dichloropropene
Concen: 6.731 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

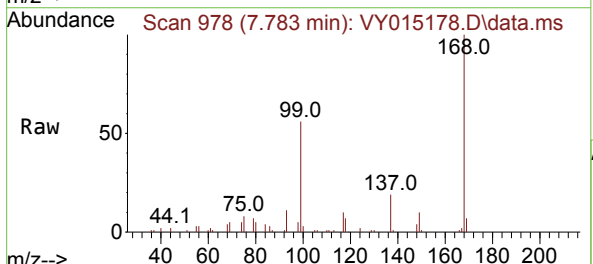
Instrument :
MSVOA_Y
ClientSampleId :



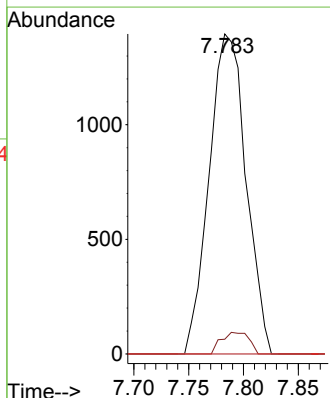
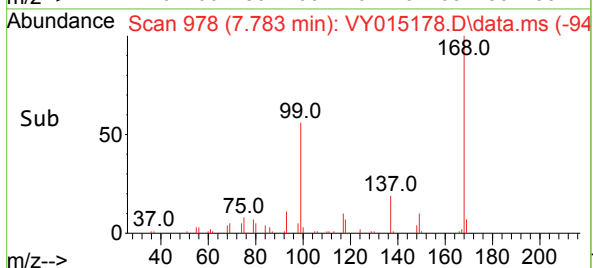
Tgt Ion: 75 Resp: 2719
Ion Ratio Lower Upper
75 100
110 7.5 17.8 53.5#
77 0.0 24.4 36.6#

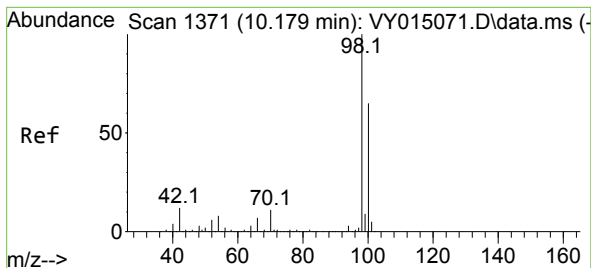


#38
Carbon Tetrachloride
Concen: 6.834 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40



Tgt Ion: 117 Resp: 3267
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 49.555 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015178.D

Acq: 17 Aug 2023 17:40

Instrument :

MSVOA_Y

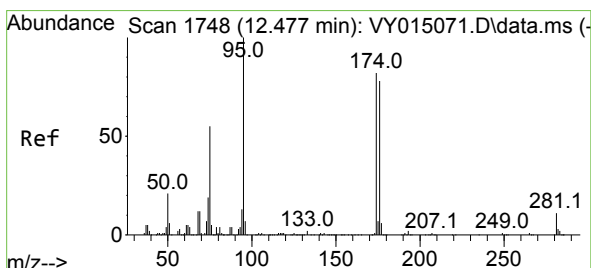
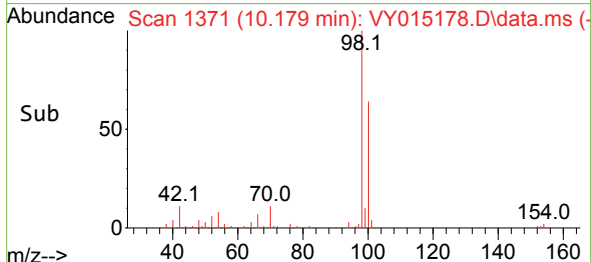
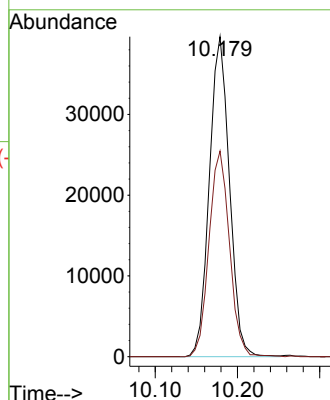
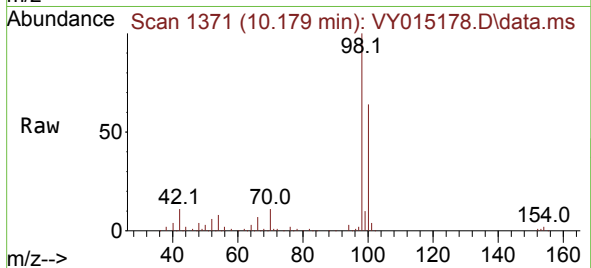
ClientSampleId :

Tgt Ion: 98 Resp: 67354

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.676 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015178.D

Acq: 17 Aug 2023 17:40

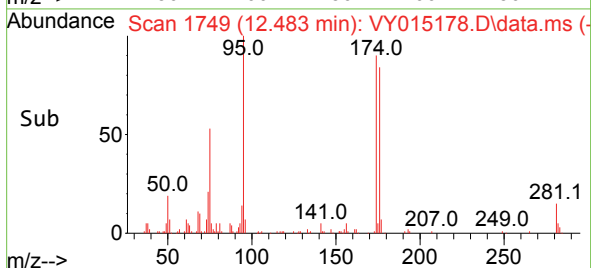
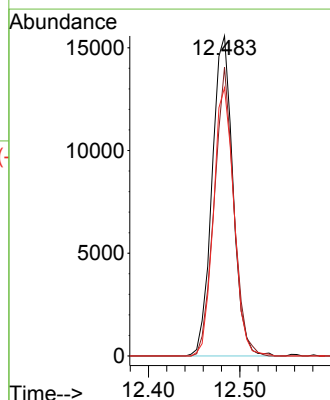
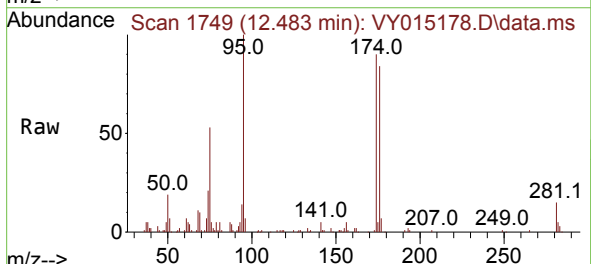
Tgt Ion: 95 Resp: 24661

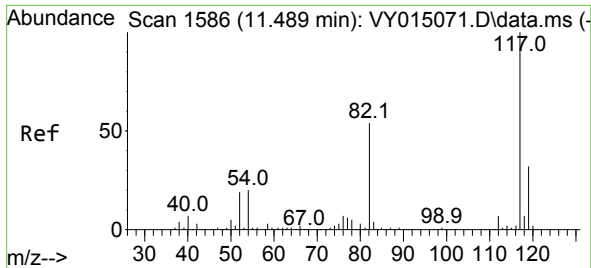
Ion Ratio Lower Upper

95 100

174 84.6 0.0 178.2

176 82.3 0.0 173.8

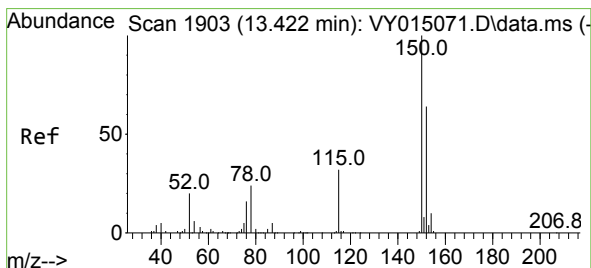
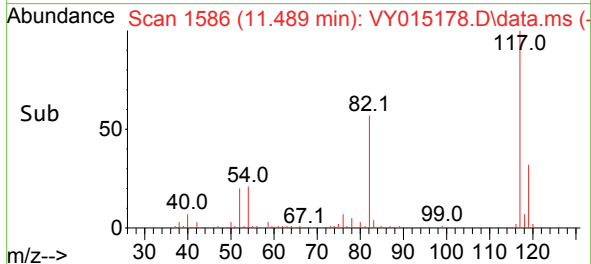
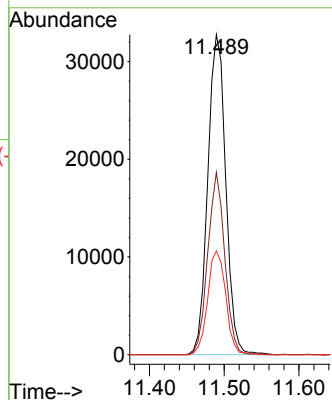
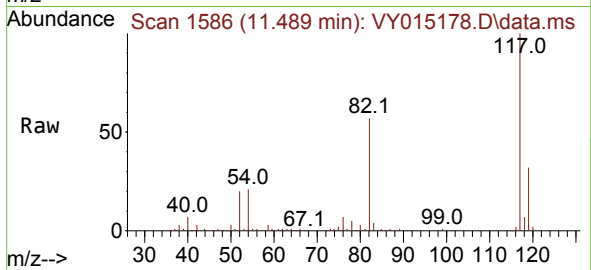




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

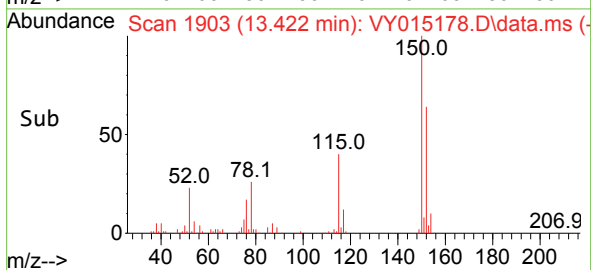
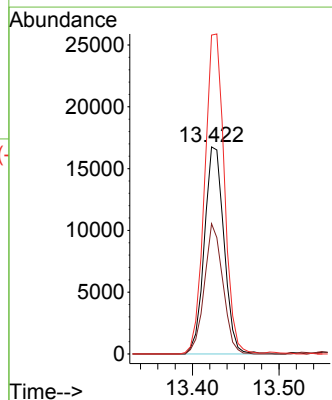
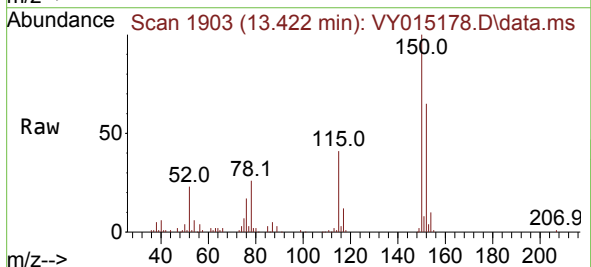
Instrument :
MSVOA_Y
ClientSampleId :

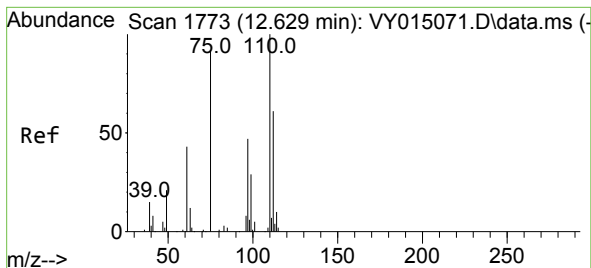
Tgt Ion:117 Resp: 54686
Ion Ratio Lower Upper
117 100
82 56.9 43.4 65.0
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

Tgt Ion:152 Resp: 26377
Ion Ratio Lower Upper
152 100
115 59.1 28.8 86.5
150 155.0 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 43.412 ug/l

RT: 12.477 min Scan# 11

Delta R.T. -0.152 min

Lab File: VY015178.D

Acq: 17 Aug 2023 17:40

Instrument :

MSVOA_Y

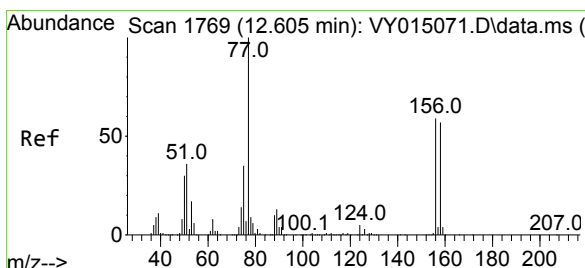
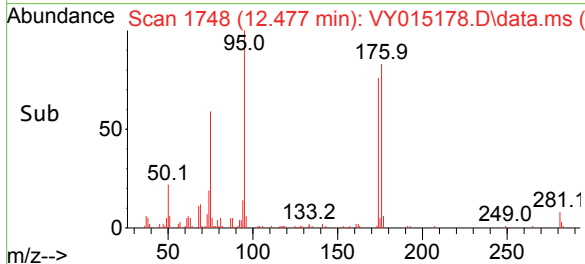
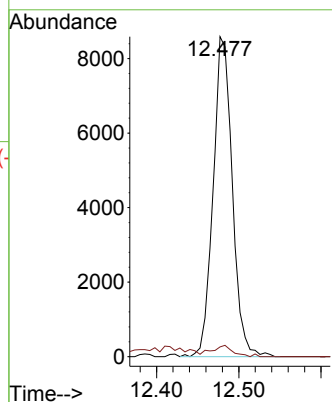
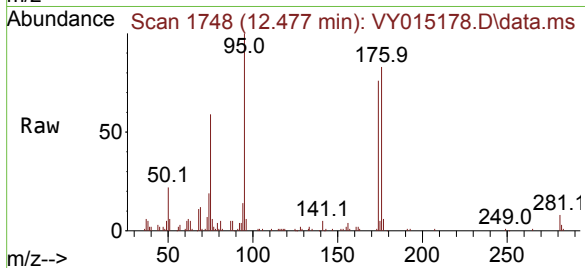
ClientSampleId :

Tgt Ion: 75 Resp: 13912

Ion Ratio Lower Upper

75 100

77 3.8 0.0 0.0#



#77

Bromobenzene

Concen: 5.919 ug/l

RT: 12.380 min Scan# 1732

Delta R.T. -0.225 min

Lab File: VY015178.D

Acq: 17 Aug 2023 17:40

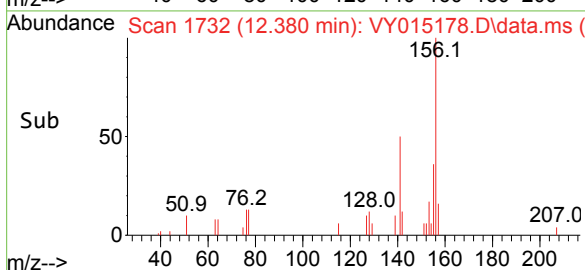
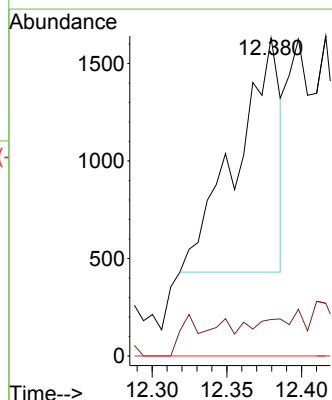
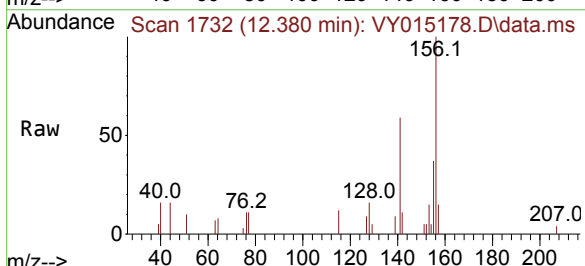
Tgt Ion: 156 Resp: 2447

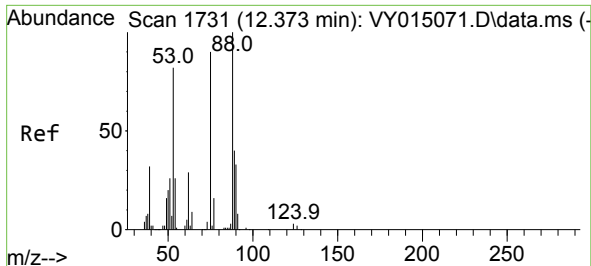
Ion Ratio Lower Upper

156 100

77 5.4 92.8 278.6#

158 0.0 48.4 145.3#

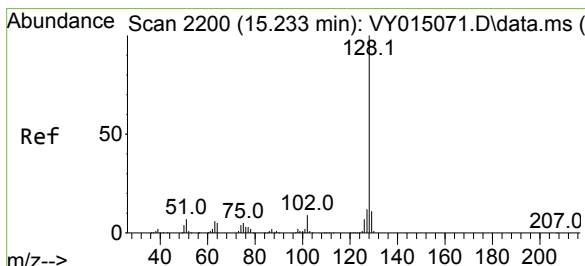
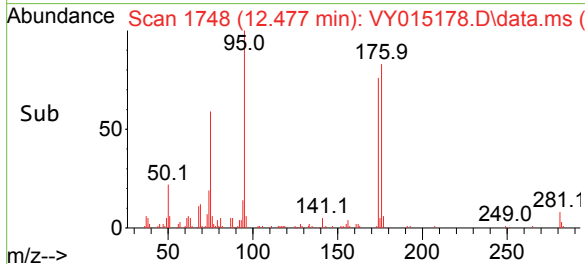
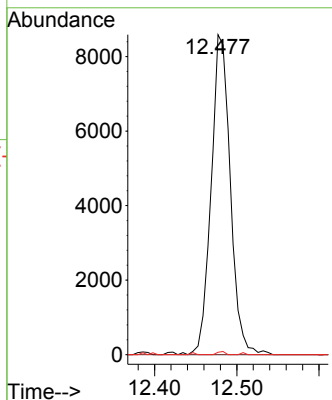
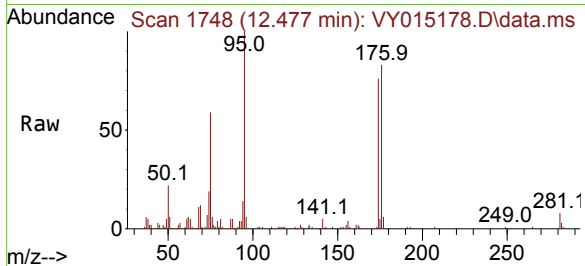




#81
trans-1,4-Dichloro-2-butene
Concen: 95.355 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. 0.104 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:	75	Resp:	13912
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.4	37.4	56.0#



#95
Naphthalene
Concen: 35.037 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY015178.D
Acq: 17 Aug 2023 17:40

Tgt Ion:	128	Resp:	42925
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	10.7	8.6	13.0

