

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015167.D
 Acq On : 17 Aug 2023 13:18
 Operator : SY/MD
 Sample : 03975-05
 Misc : 7.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 00:52:51 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)

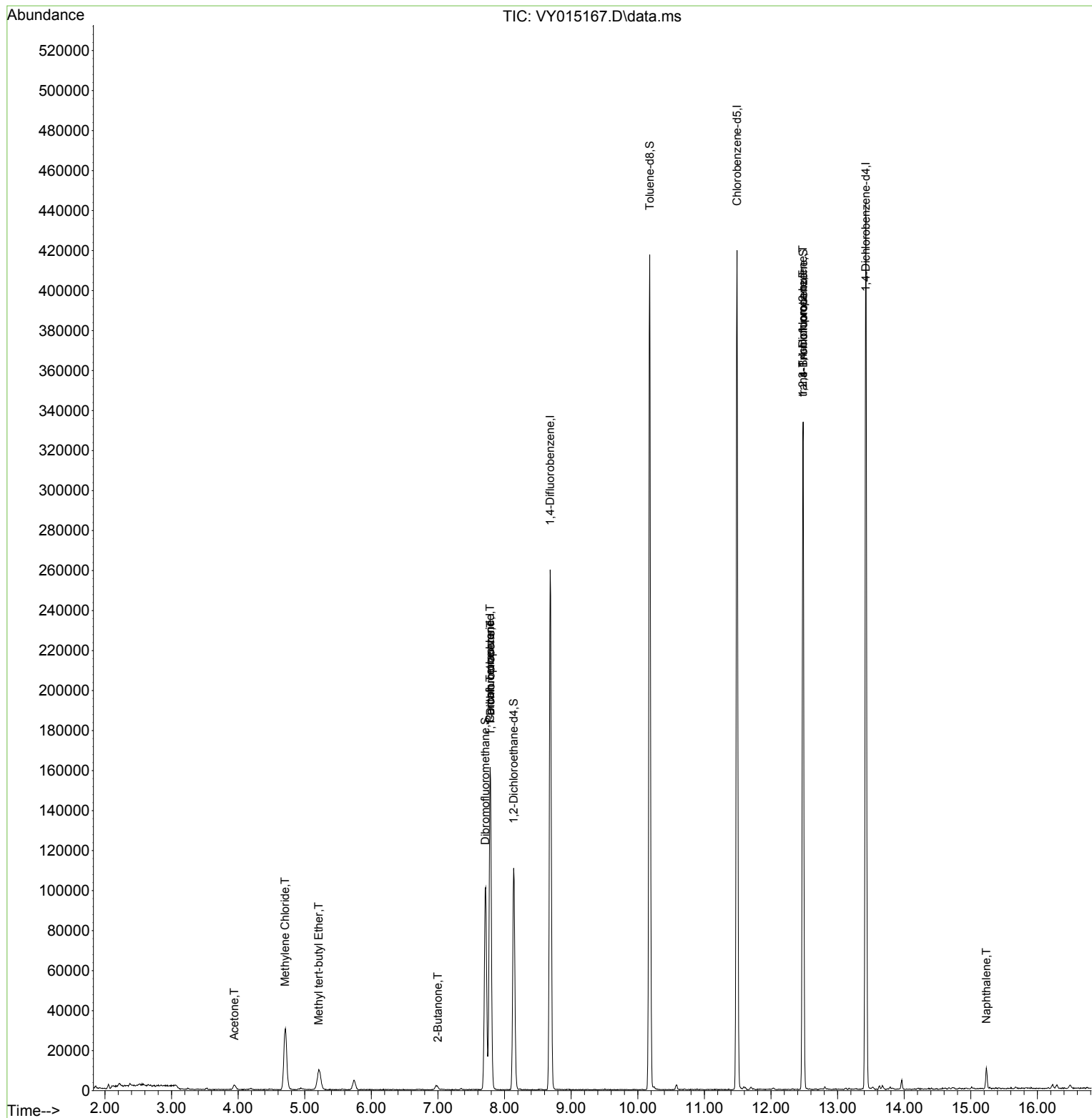
Internal Standards						
1) Pentafluorobenzene	7.783	168	126693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	223194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	224361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	114295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	86273	56.728	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.460%			
35) Dibromofluoromethane	7.710	113	72309	50.359	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.720%			
50) Toluene-d8	10.179	98	269830	50.481	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.960%			
62) 4-Bromofluorobenzene	12.483	95	101952	52.221	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.440%			
Target Compounds						
3) Chloromethane	2.101	50	427	Below Cal		98
5) Bromomethane	2.662	94	236	Below Cal	#	64
11) Tert butyl alcohol	4.948	59	1540	Below Cal	#	89
16) Acetone	3.942	43	4230	8.514	ug/l	95
19) Methyl tert-butyl Ether	5.210	73	17673	4.715	ug/l	99
20) Methylene Chloride	4.704	84	23649	17.001	ug/l	# 87
25) 2-Butanone	6.997	43	1007	1.431	ug/l	95
31) Cyclohexane	7.789	56	2698	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	9858	6.206	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	12779	6.797	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	56485	40.678	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	56485	89.348	ug/l	# 11
95) Naphthalene	15.233	128	8554	1.611	ug/l	# 97

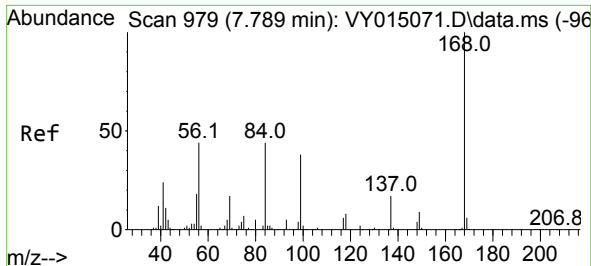
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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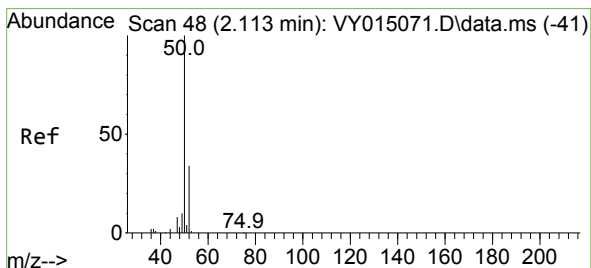
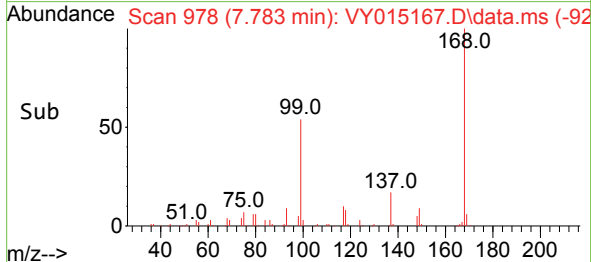
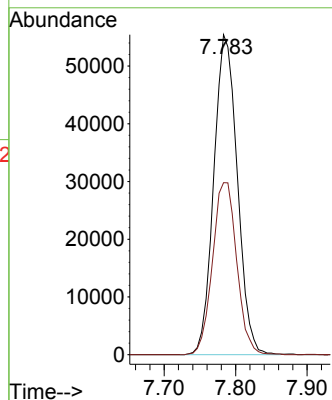
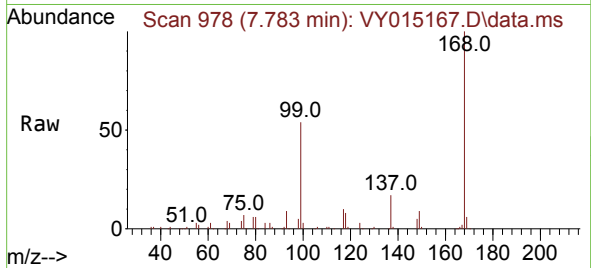




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18

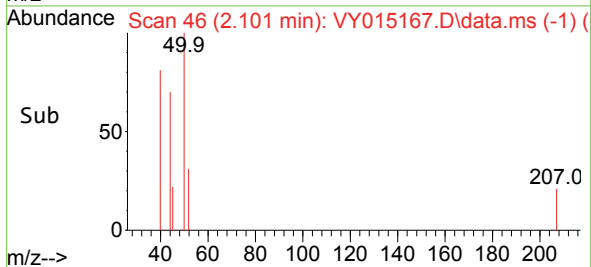
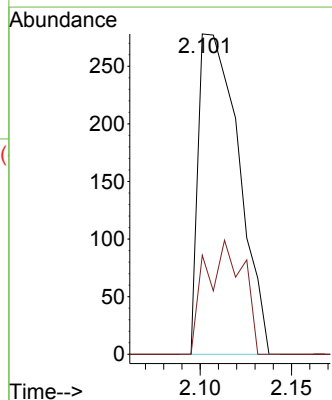
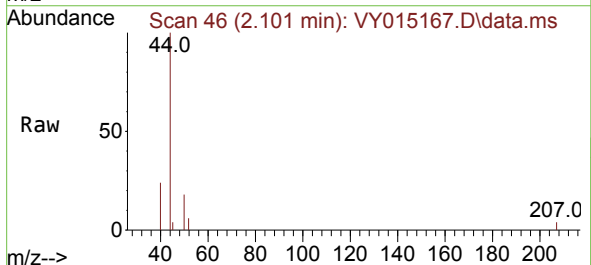
Instrument :
MSVOA_Y
ClientSampleId :

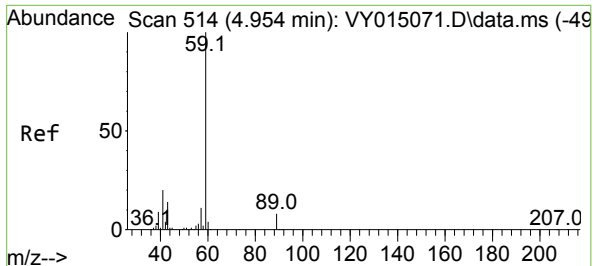
Tgt Ion:168 Resp: 126693
Ion Ratio Lower Upper
168 100
99 53.7 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 46
Delta R.T. -0.006 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18

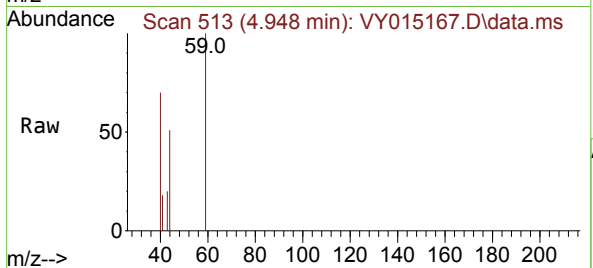
Tgt Ion: 50 Resp: 427
Ion Ratio Lower Upper
50 100
52 30.9 25.4 38.2



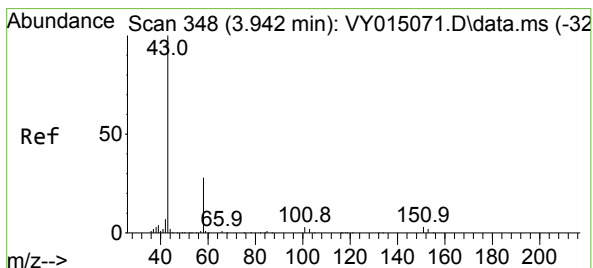
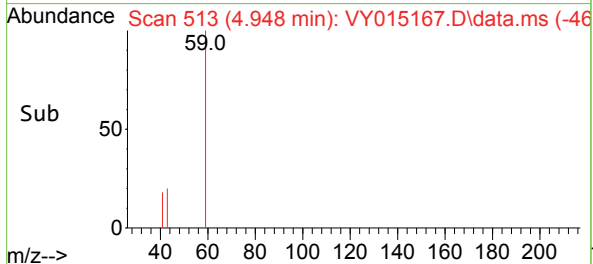
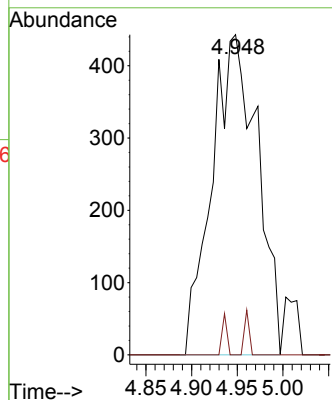


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18

Instrument :
MSVOA_Y
ClientSampleId :

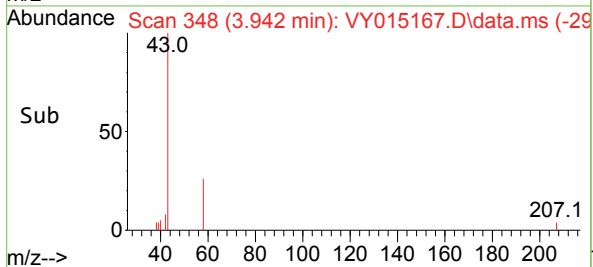
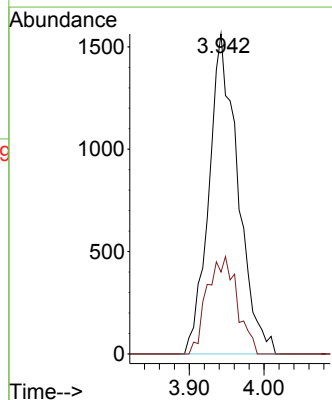
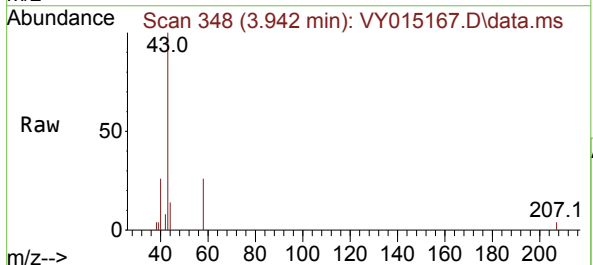


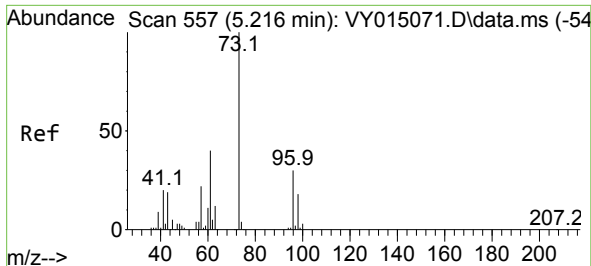
Tgt Ion: 59 Resp: 1540
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 8.514 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18

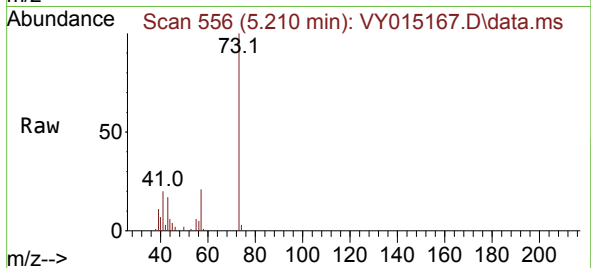
Tgt Ion: 43 Resp: 4230
Ion Ratio Lower Upper
43 100
58 25.6 22.7 34.1



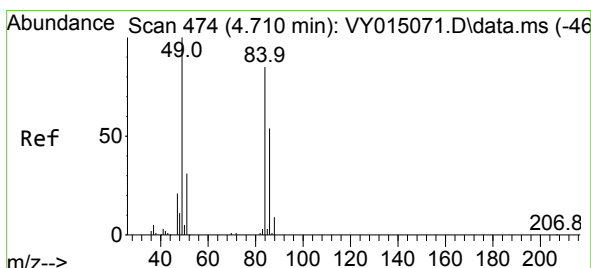
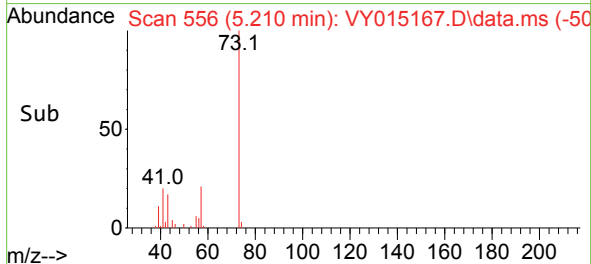
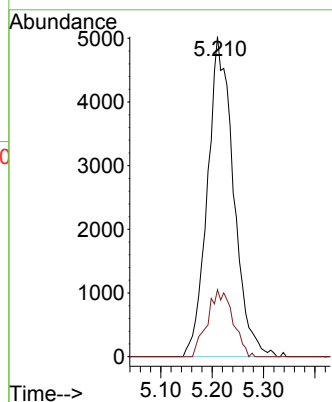


#19
Methyl tert-butyl Ether
Concen: 4.715 ug/l
RT: 5.210 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18

Instrument :
MSVOA_Y
ClientSampleId :

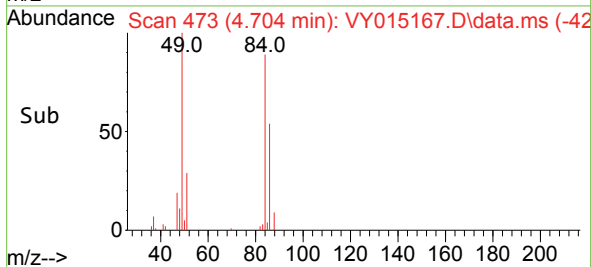
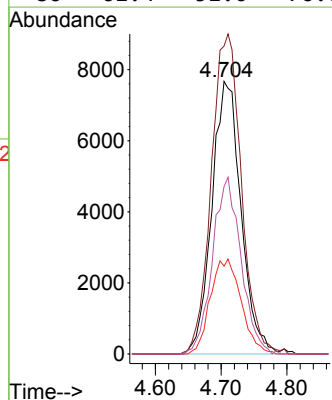
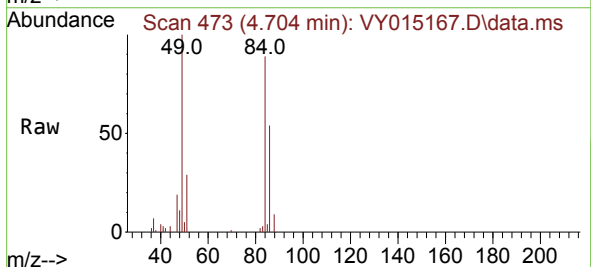


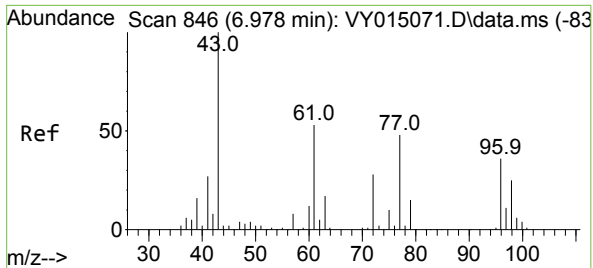
Tgt Ion: 73 Resp: 17673
Ion Ratio Lower Upper
73 100
57 20.9 17.3 25.9



#20
Methylene Chloride
Concen: 17.001 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18

Tgt Ion: 84 Resp: 23649
Ion Ratio Lower Upper
84 100
49 112.9 106.9 160.3
51 32.2 33.2 49.8#
86 61.4 51.0 76.6





#25

2-Butanone

Concen: 1.431 ug/l

RT: 6.997 min Scan# 846

Delta R.T. 0.019 min

Lab File: VY015167.D

Acq: 17 Aug 2023 13:18

Instrument :

MSVOA_Y

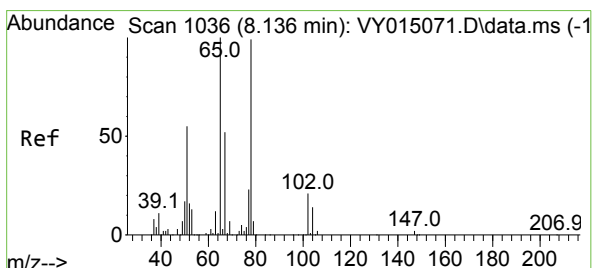
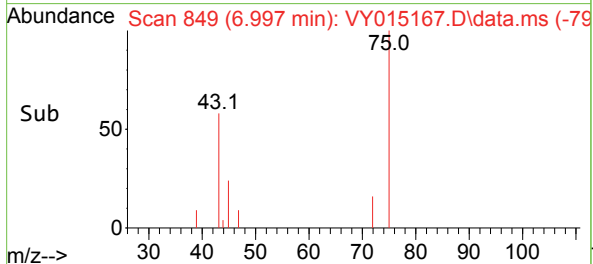
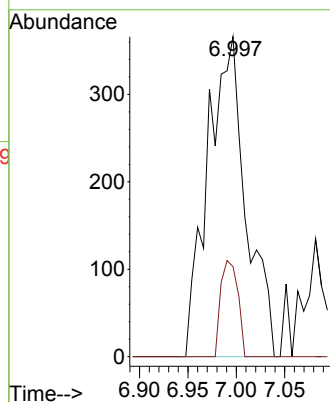
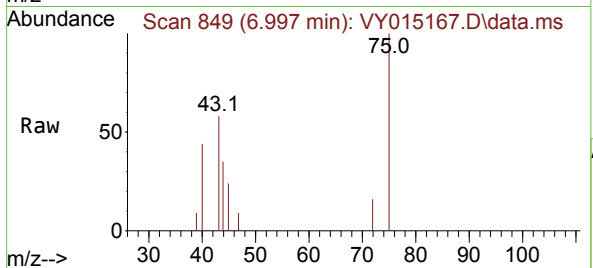
ClientSampleId :

Tgt Ion: 43 Resp: 1007

Ion Ratio Lower Upper

43 100

72 28.1 20.5 30.7



#33

1,2-Dichloroethane-d4

Concen: 56.728 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015167.D

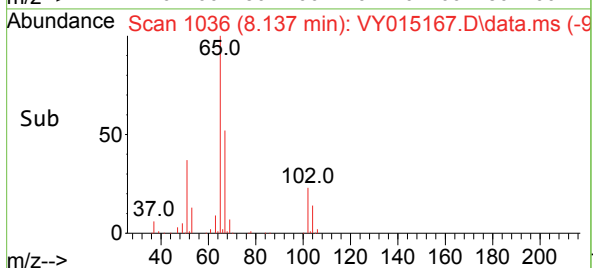
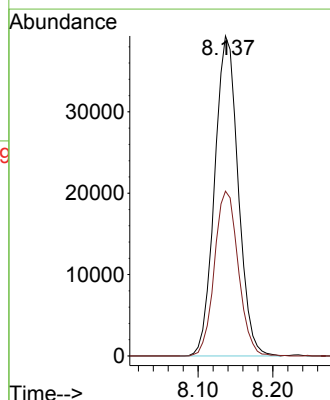
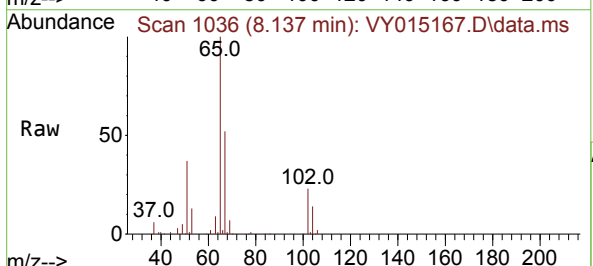
Acq: 17 Aug 2023 13:18

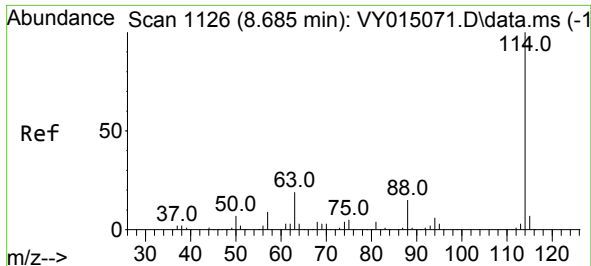
Tgt Ion: 65 Resp: 86273

Ion Ratio Lower Upper

65 100

67 52.1 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: VY015167.D

Acq: 17 Aug 2023 13:18

Instrument :

MSVOA_Y

ClientSampleId :

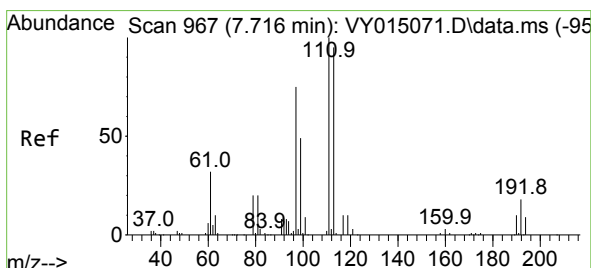
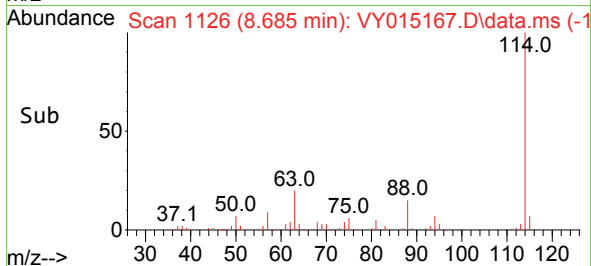
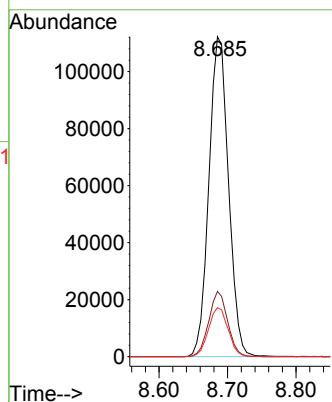
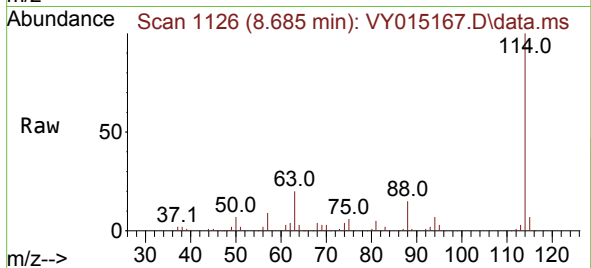
Tgt Ion:114 Resp: 223194

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.359 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015167.D

Acq: 17 Aug 2023 13:18

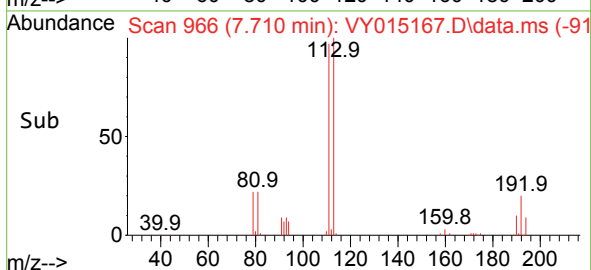
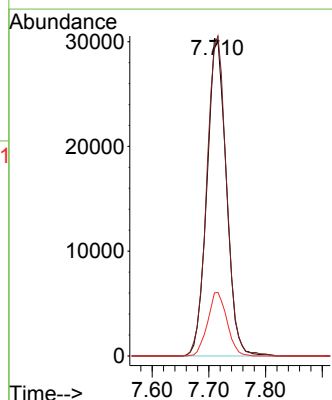
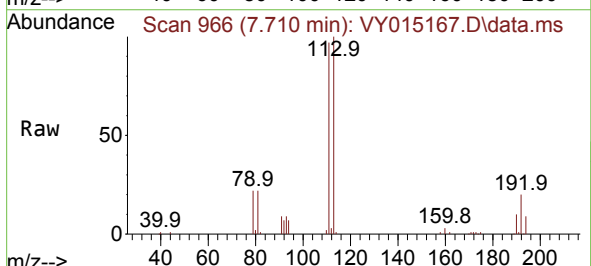
Tgt Ion:113 Resp: 72309

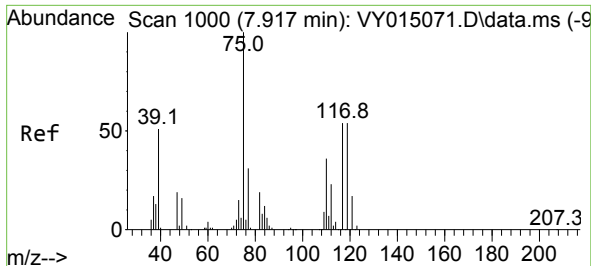
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

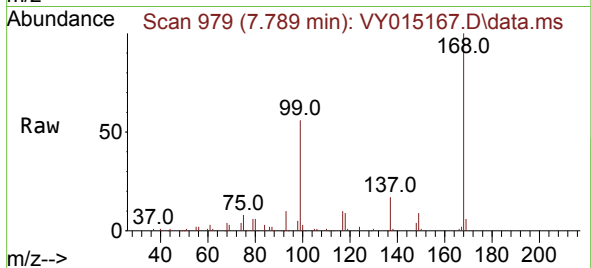
192 19.9 16.9 25.3



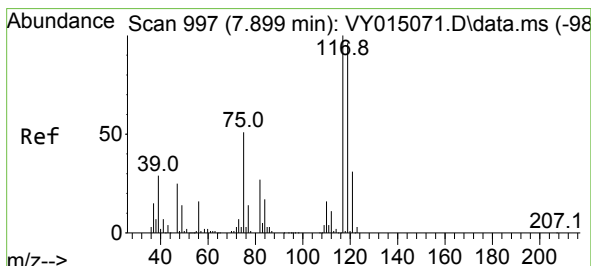
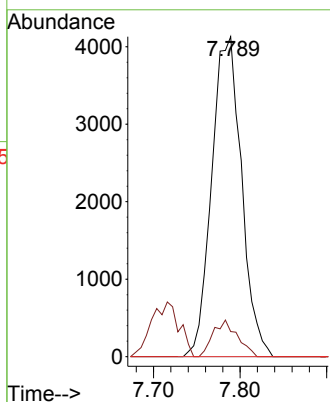
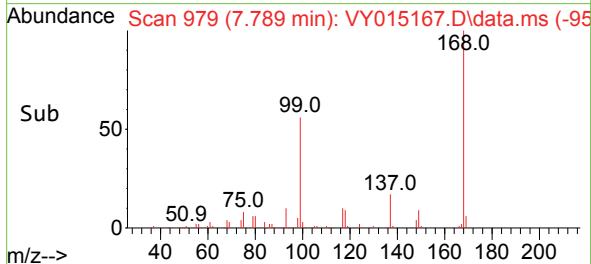


#36
1,1-Dichloropropene
Concen: 6.206 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18

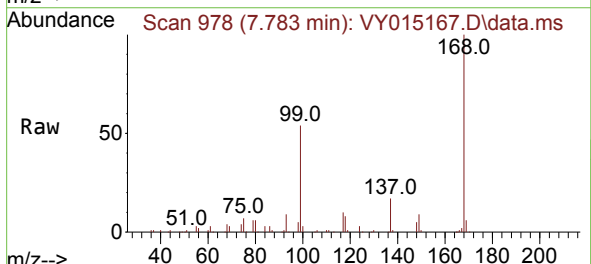
Instrument :
MSVOA_Y
ClientSampleId :



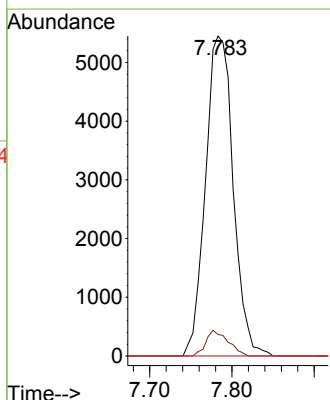
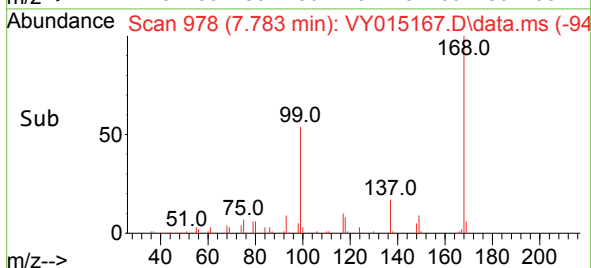
Tgt Ion: 75 Resp: 9858
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.0 24.4 36.6#

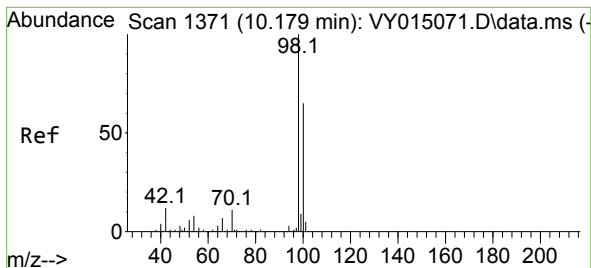


#38
Carbon Tetrachloride
Concen: 6.797 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18



Tgt Ion: 117 Resp: 12779
Ion Ratio Lower Upper
117 100
119 6.7 76.4 114.6#
121 0.0 25.8 38.6#

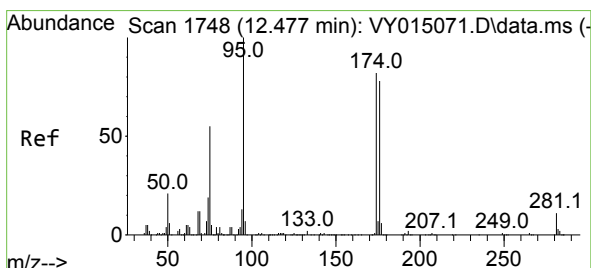
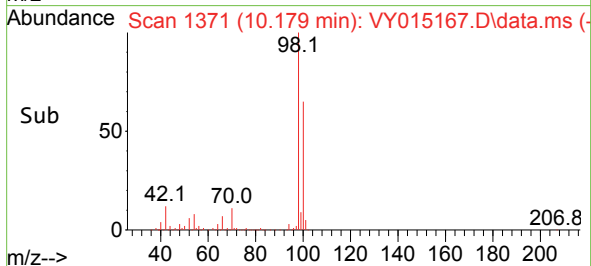
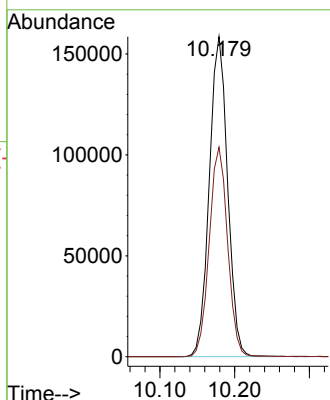
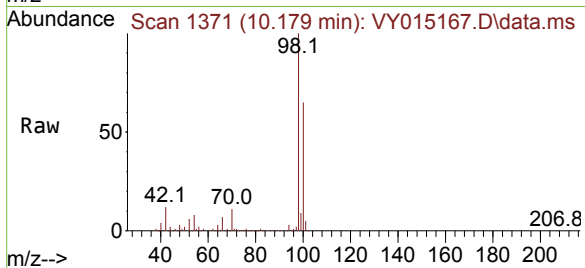




#50
Toluene-d8
Concen: 50.481 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18

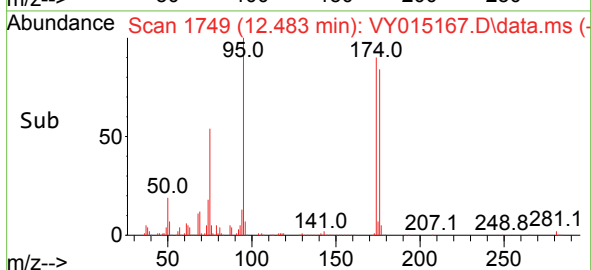
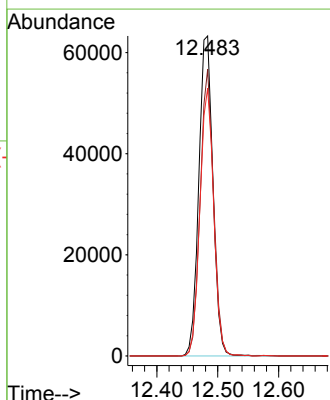
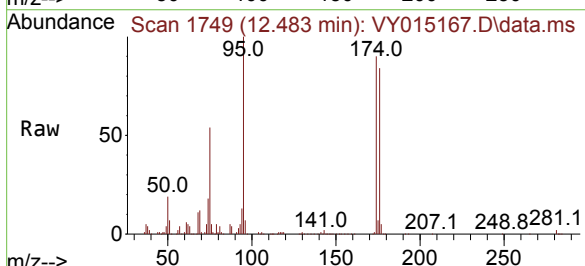
Instrument :
MSVOA_Y
ClientSampleId :

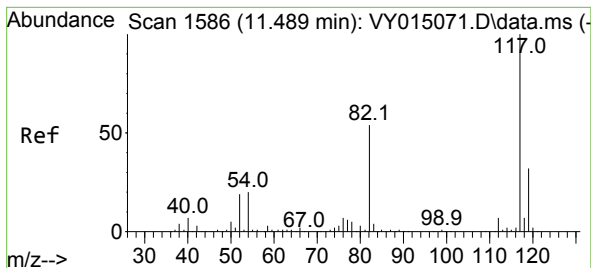
Tgt Ion: 98 Resp: 269830
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.221 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18

Tgt Ion: 95 Resp: 101952
Ion Ratio Lower Upper
95 100
174 85.2 0.0 178.2
176 81.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015167.D

Acq: 17 Aug 2023 13:18

Instrument :

MSVOA_Y

ClientSampleId :

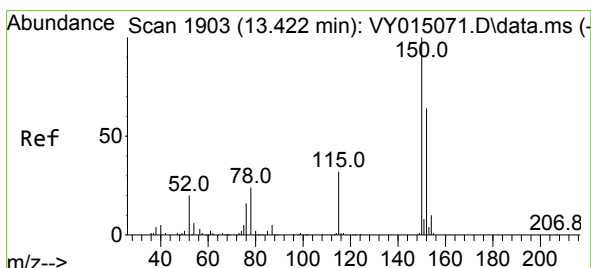
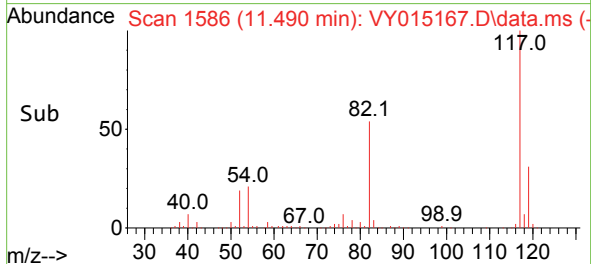
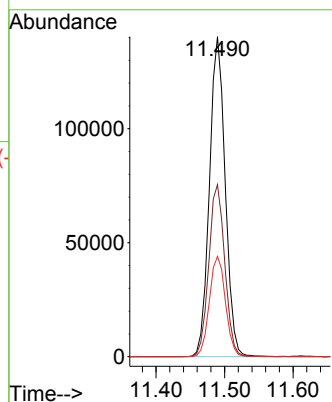
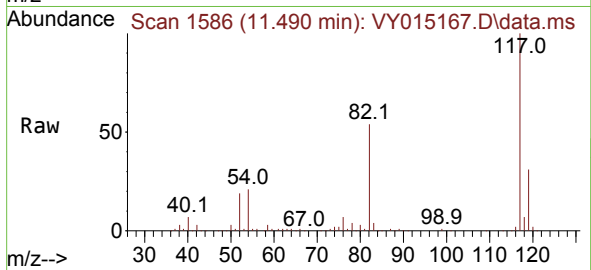
Tgt Ion:117 Resp: 224361

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.0

119 31.3 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: VY015167.D

Acq: 17 Aug 2023 13:18

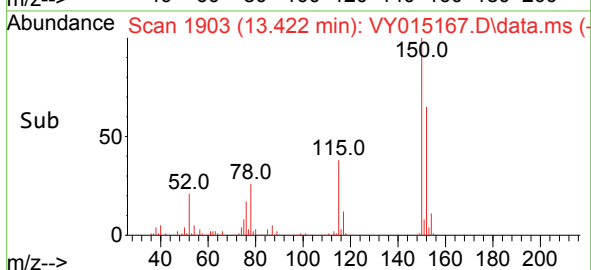
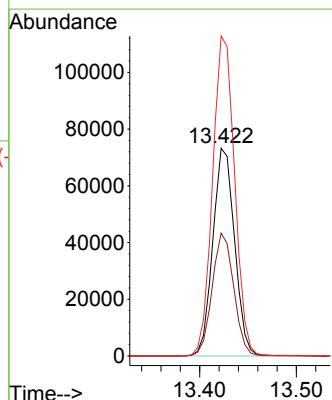
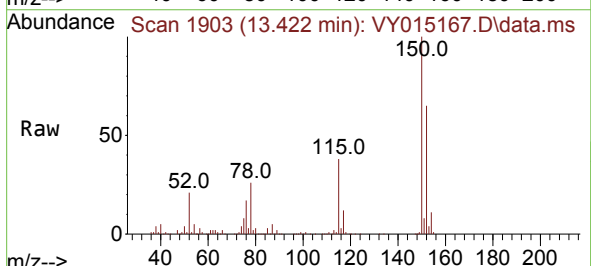
Tgt Ion:152 Resp: 114295

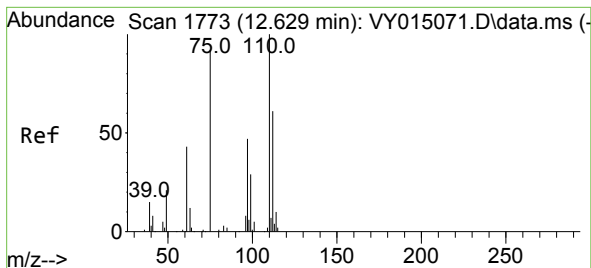
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 156.4 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 40.678 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015167.D

Acq: 17 Aug 2023 13:18

Instrument :

MSVOA_Y

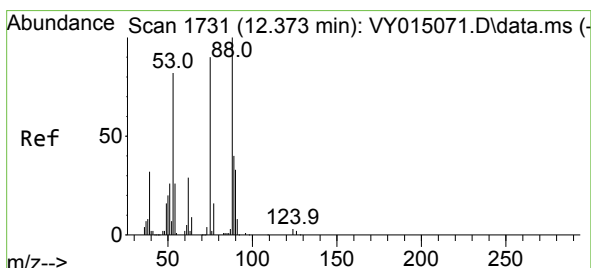
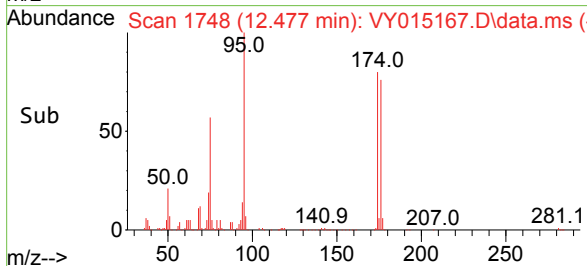
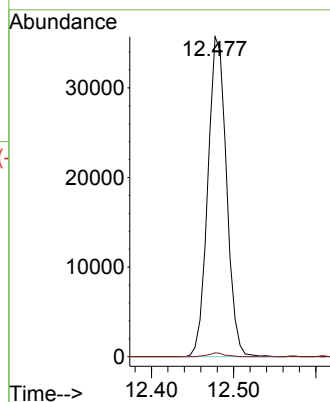
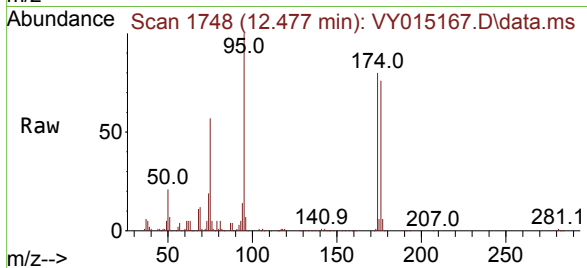
ClientSampleId :

Tgt Ion: 75 Resp: 56485

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.348 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY015167.D

Acq: 17 Aug 2023 13:18

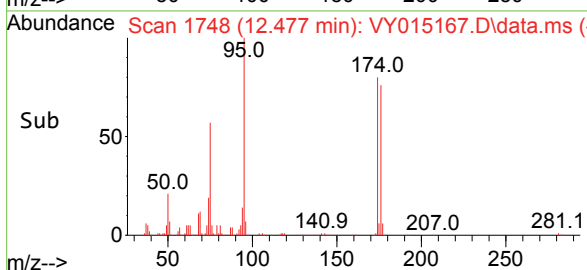
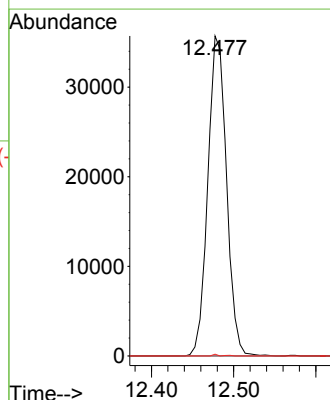
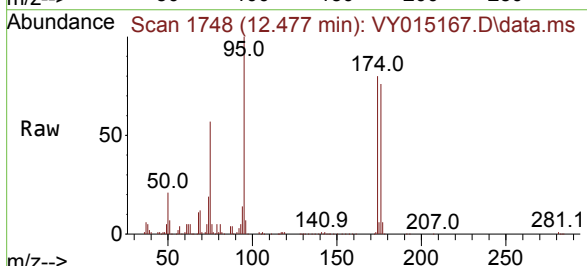
Tgt Ion: 75 Resp: 56485

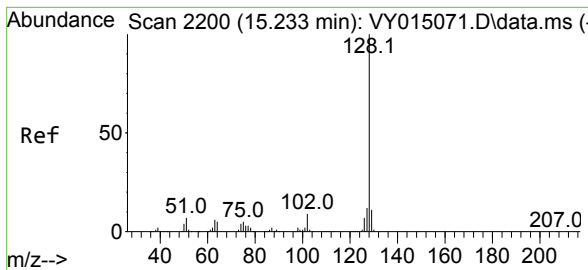
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

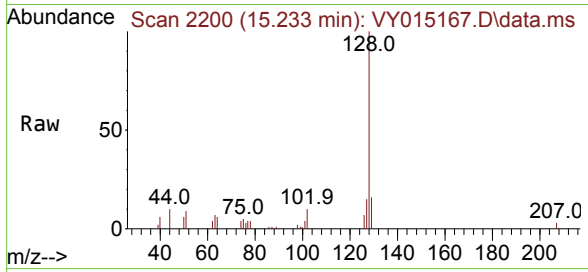
89 0.2 37.4 56.0#





#95
Naphthalene
Concen: 1.611 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015167.D
Acq: 17 Aug 2023 13:18

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 8554
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 13.0 8.6 13.0#

