

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015154.D
 Acq On : 16 Aug 2023 16:52
 Operator : SY/MD
 Sample : 04022-04
 Misc : 4.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:31:25 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)

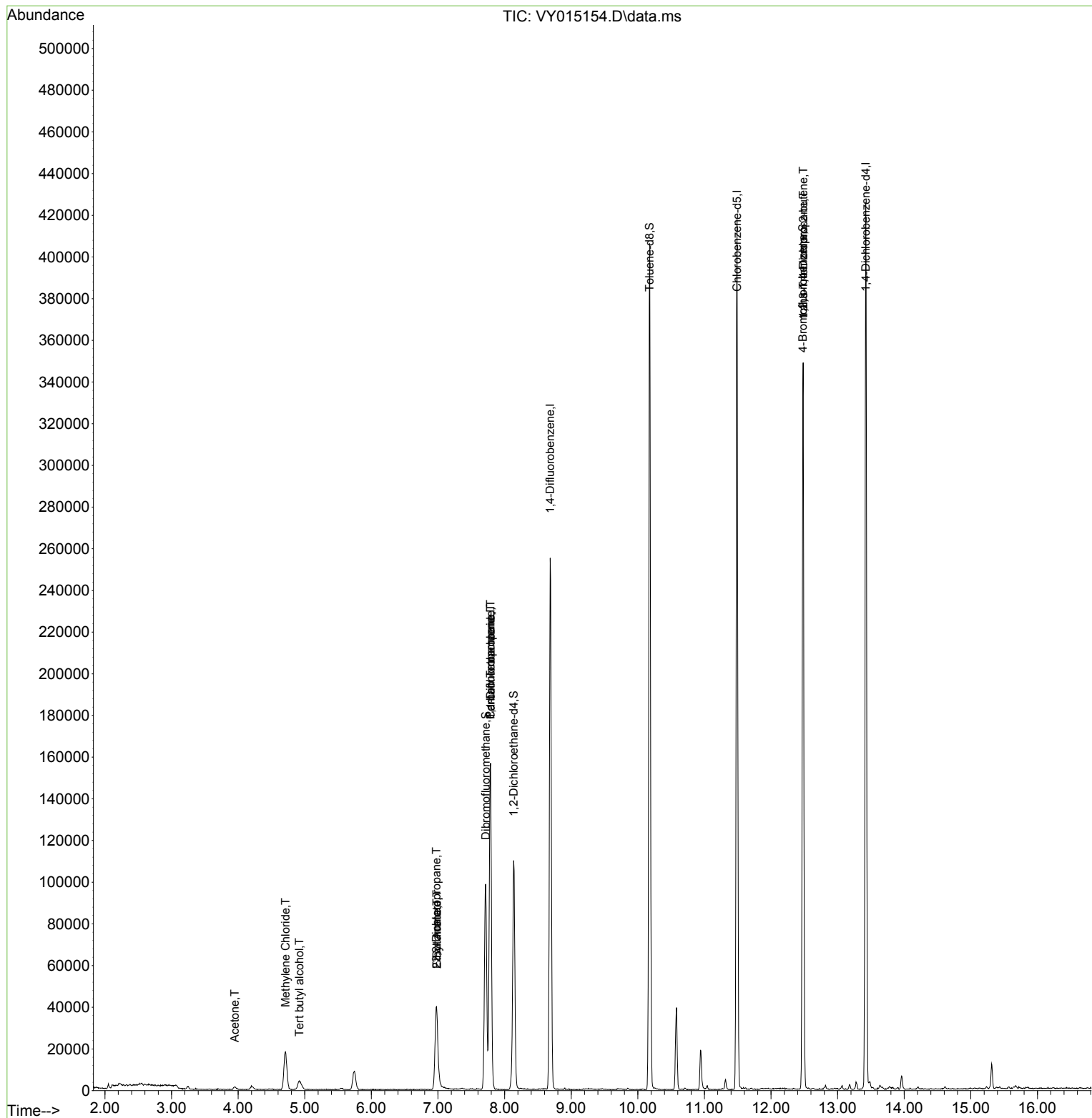
Internal Standards						
1) Pentafluorobenzene	7.789	168	125304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	217163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84507	56.182	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.360%	
35) Dibromofluoromethane	7.716	113	70268	50.296	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.600%	
50) Toluene-d8	10.179	98	266335	51.211	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	12.477	95	98957	52.095	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.180%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	43	Below Cal	#	43
3) Chloromethane	2.113	50	370	Below Cal	#	43
5) Bromomethane	2.631	94	23	Below Cal	#	2
11) Tert butyl alcohol	4.917	59	4940	4.007	ug/l #	89
16) Acetone	3.948	43	2370	4.823	ug/l	91
20) Methylene Chloride	4.710	84	14660	8.891	ug/l	85
25) 2-Butanone	6.984	43	2531	3.638	ug/l	98
26) 2,2-Dichloropropane	6.978	77	2844	1.413	ug/l #	54
31) Cyclohexane	7.777	56	2703	Below Cal	#	28
36) 1,1-Dichloropropene	7.789	75	10225	6.615	ug/l #	49
37) Ethyl Acetate	6.984	43	2531	1.757	ug/l #	1
38) Carbon Tetrachloride	7.789	117	12311	6.730	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	52931	39.641	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52931	87.070	ug/l #	11

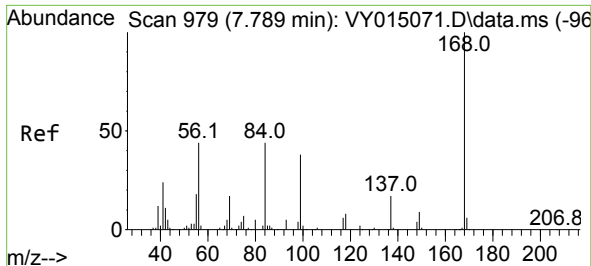
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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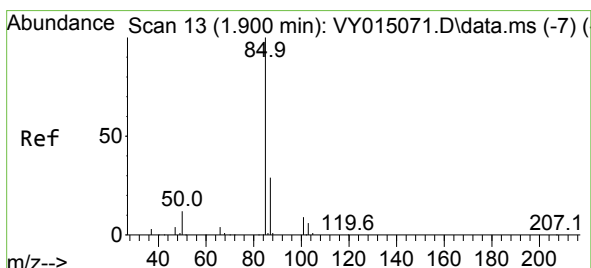
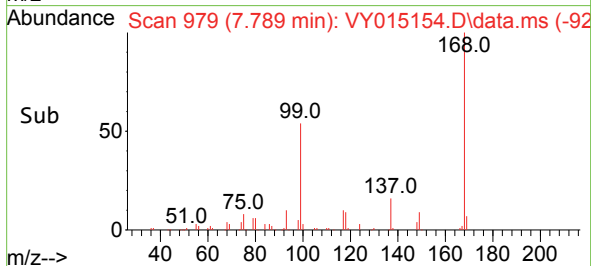
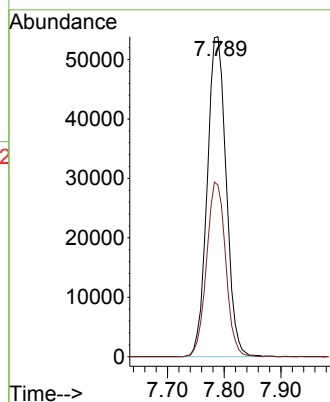
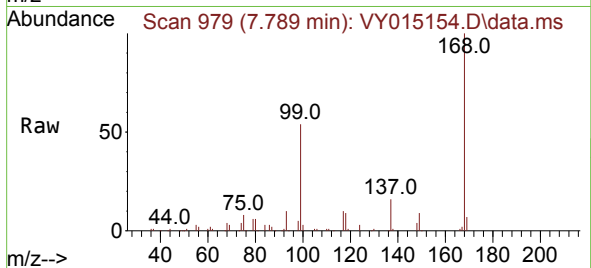




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015154.D
Acq: 16 Aug 2023 16:52

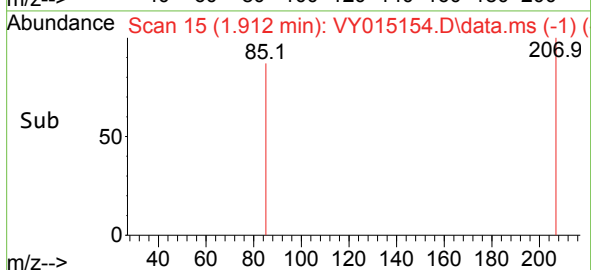
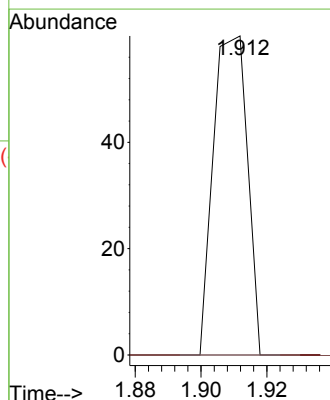
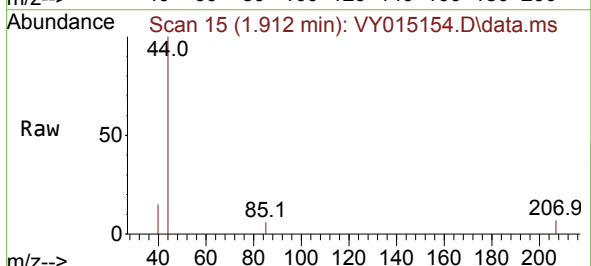
Instrument :
MSVOA_Y
ClientSampleId :

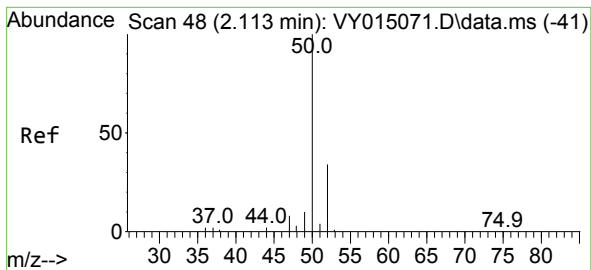
Tgt Ion:168 Resp: 125304
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY015154.D
Acq: 16 Aug 2023 16:52

Tgt Ion: 85 Resp: 43
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015154.D

Acq: 16 Aug 2023 16:52

Instrument :

MSVOA_Y

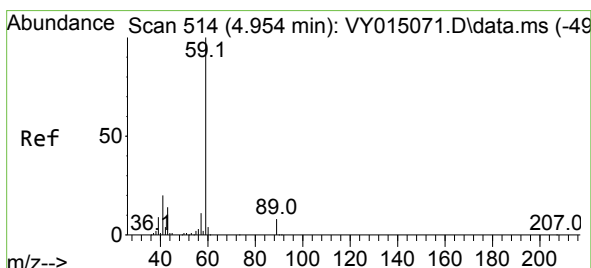
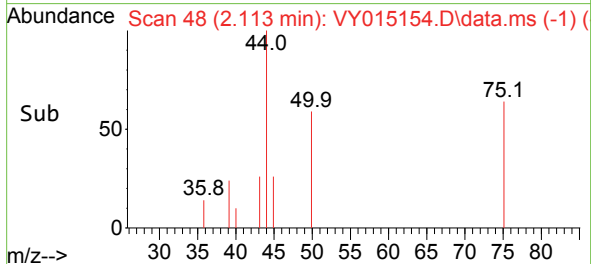
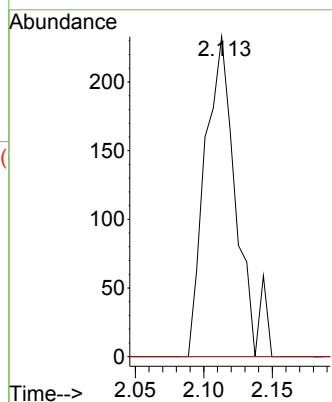
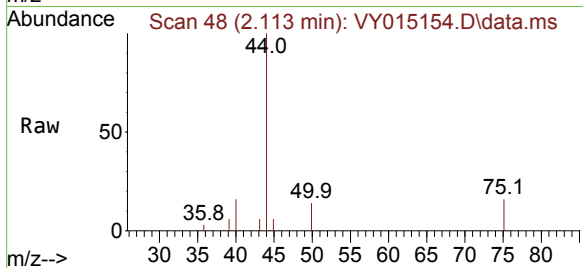
ClientSampleId :

Tgt Ion: 50 Resp: 370

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



#11

Tert butyl alcohol

Concen: 4.007 ug/l

RT: 4.917 min Scan# 508

Delta R.T. -0.031 min

Lab File: VY015154.D

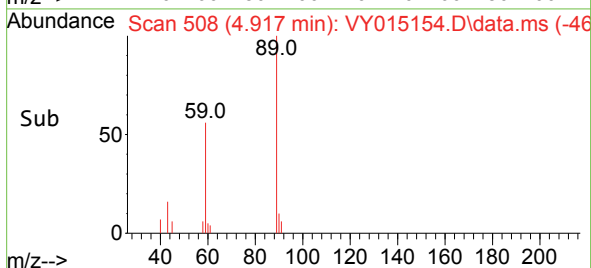
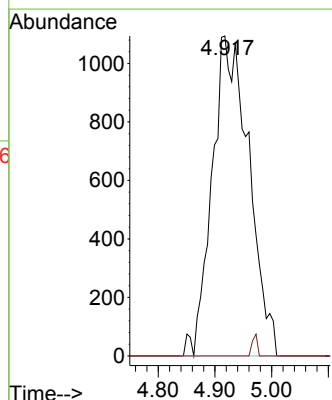
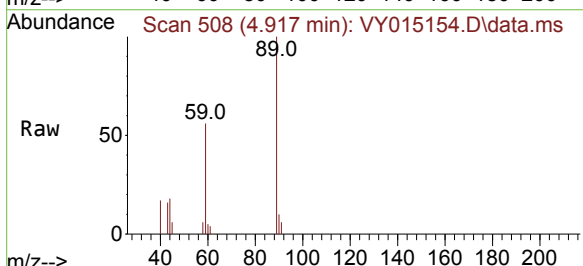
Acq: 16 Aug 2023 16:52

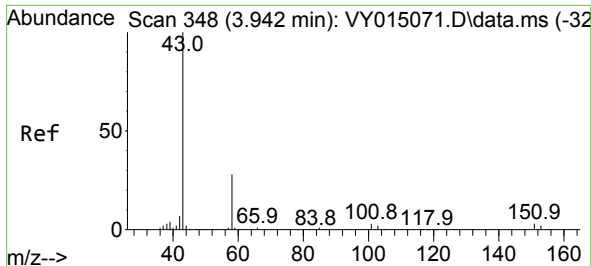
Tgt Ion: 59 Resp: 4940

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

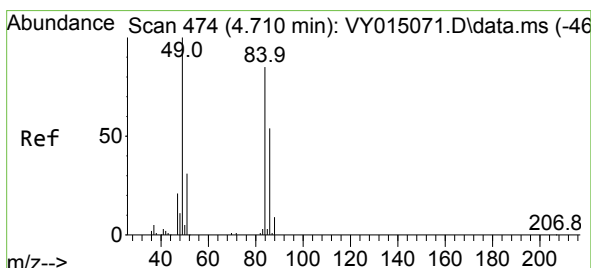
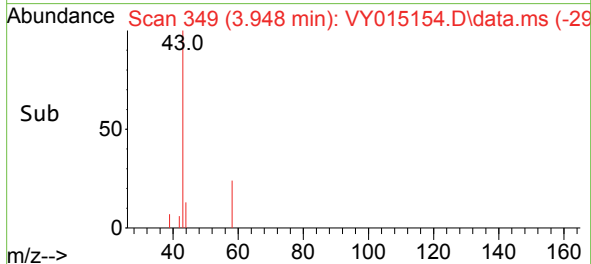
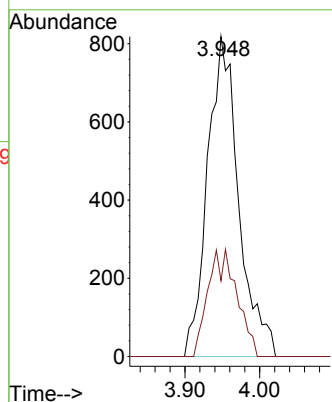
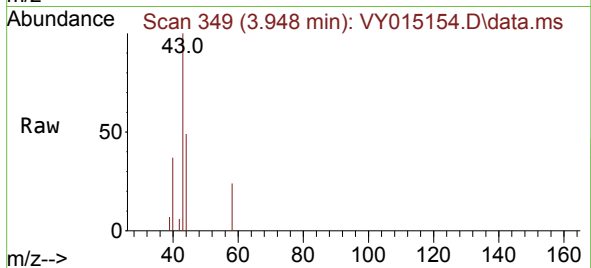




#16
Acetone
Concen: 4.823 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015154.D
Acq: 16 Aug 2023 16:52

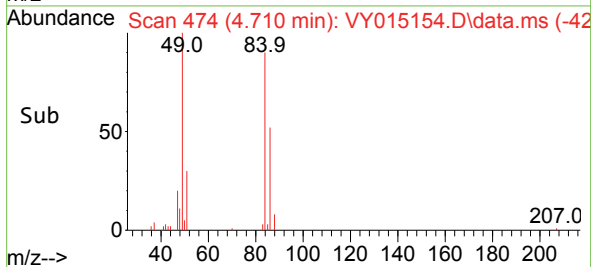
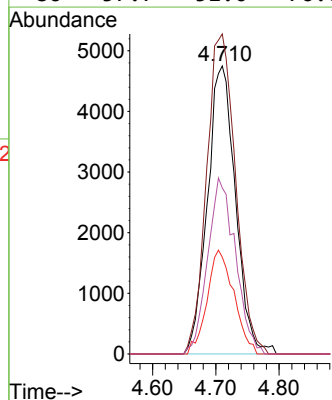
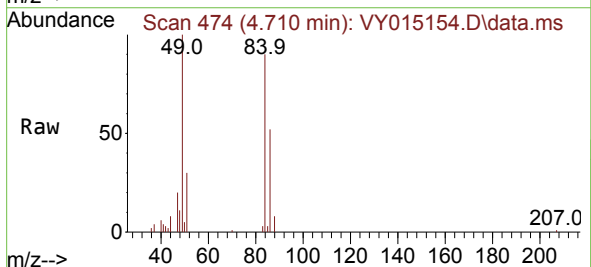
Instrument :
MSVOA_Y
ClientSampleId :

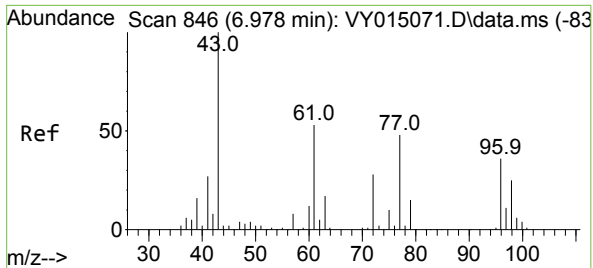
Tgt Ion: 43 Resp: 2370
Ion Ratio Lower Upper
43 100
58 23.7 22.7 34.1



#20
Methylene Chloride
Concen: 8.891 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015154.D
Acq: 16 Aug 2023 16:52

Tgt Ion: 84 Resp: 14660
Ion Ratio Lower Upper
84 100
49 111.1 106.9 160.3
51 33.6 33.2 49.8
86 57.7 51.0 76.6





#25

2-Butanone

Concen: 3.638 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY015154.D

Acq: 16 Aug 2023 16:52

Instrument :

MSVOA_Y

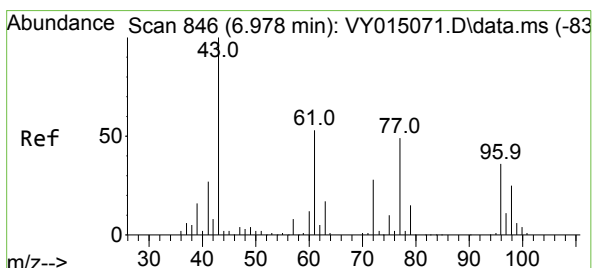
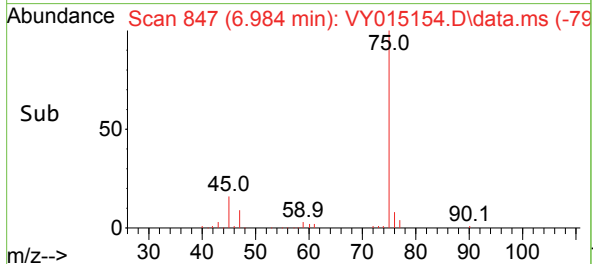
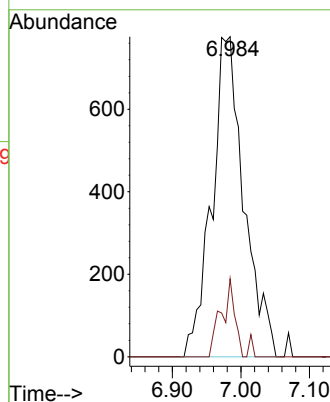
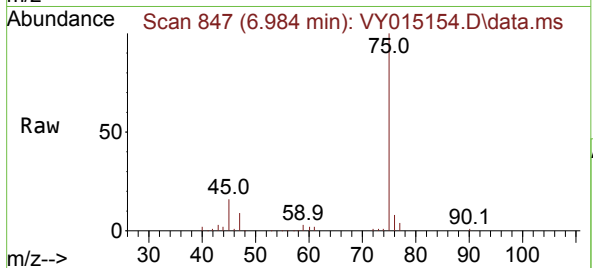
ClientSampleId :

Tgt Ion: 43 Resp: 2531

Ion Ratio Lower Upper

43 100

72 24.4 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.413 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015154.D

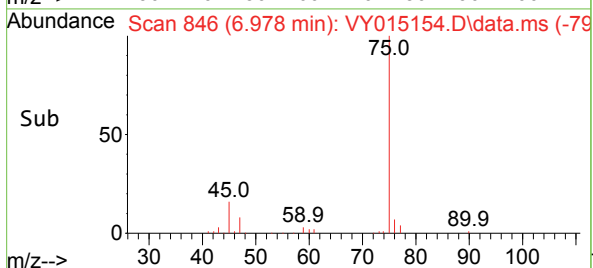
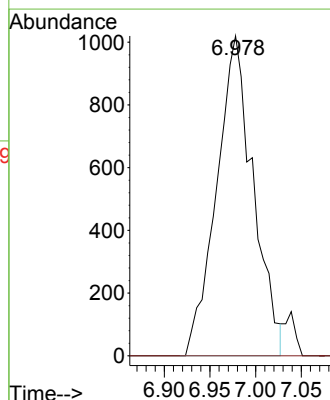
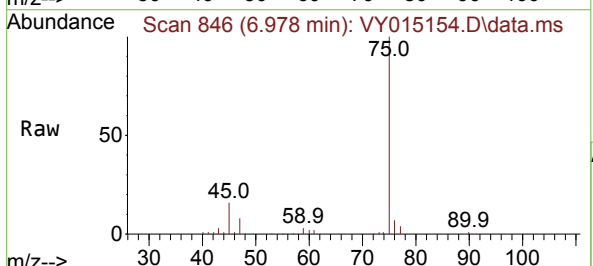
Acq: 16 Aug 2023 16:52

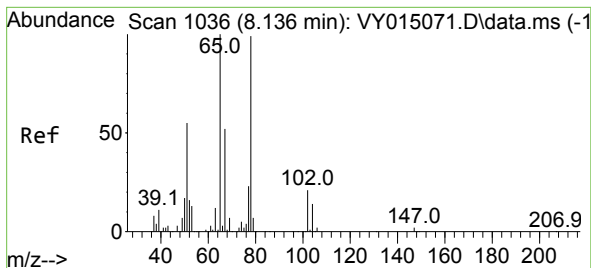
Tgt Ion: 77 Resp: 2844

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 56.182 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015154.D

Acq: 16 Aug 2023 16:52

Instrument :

MSVOA_Y

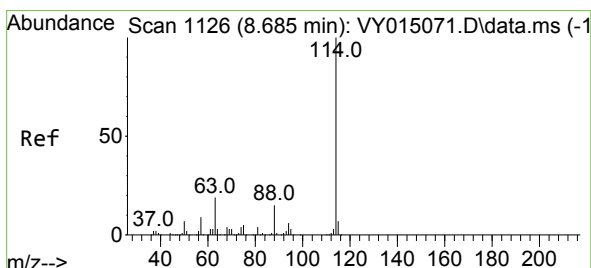
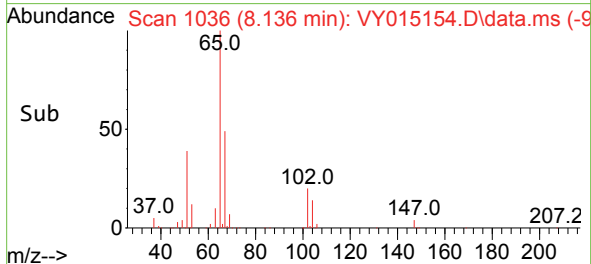
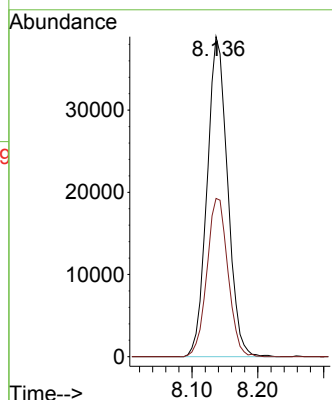
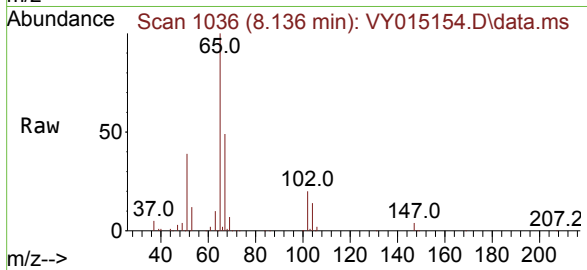
ClientSampleId :

Tgt Ion: 65 Resp: 84507

Ion Ratio Lower Upper

65 100

67 50.7 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: VY015154.D

Acq: 16 Aug 2023 16:52

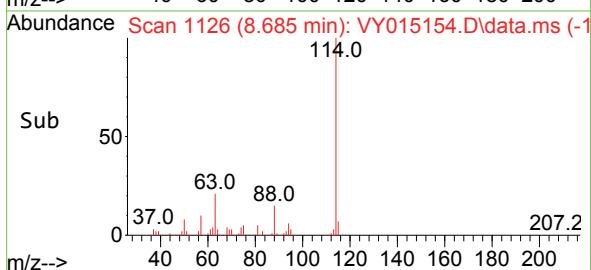
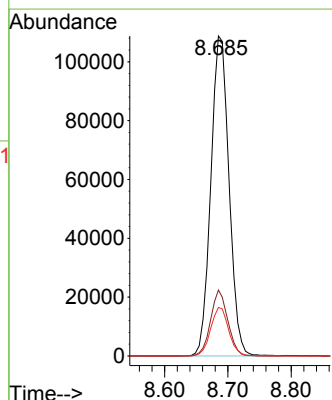
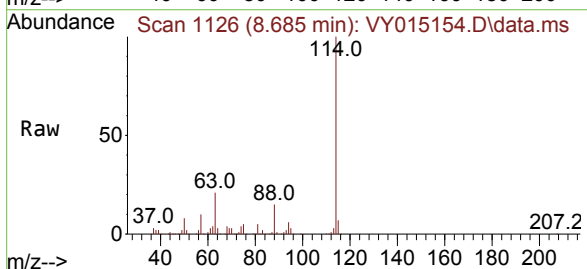
Tgt Ion: 114 Resp: 217163

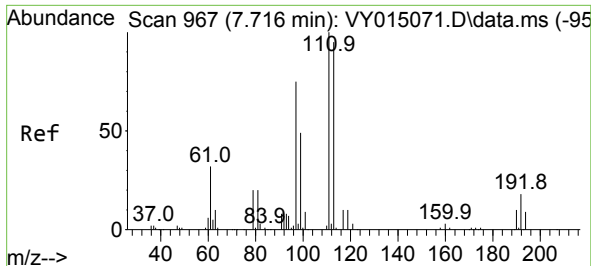
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

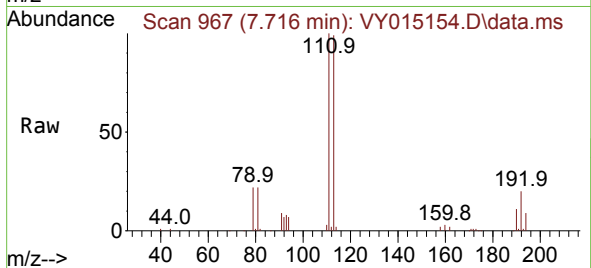
88 15.1 0.0 30.6



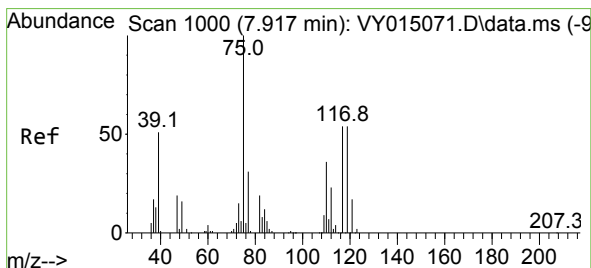
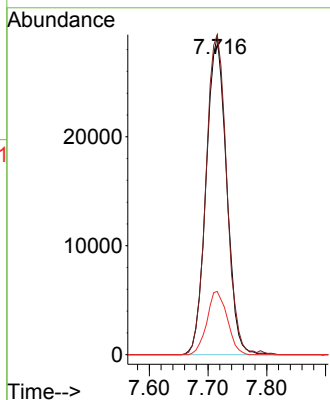
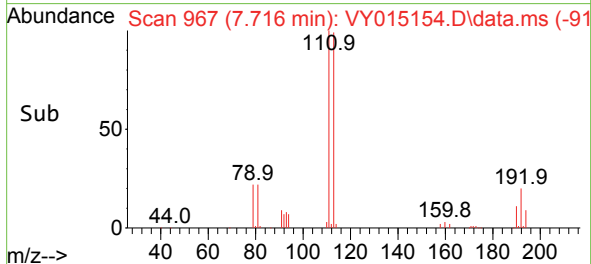


#35
Dibromofluoromethane
Concen: 50.296 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY015154.D
Acq: 16 Aug 2023 16:52

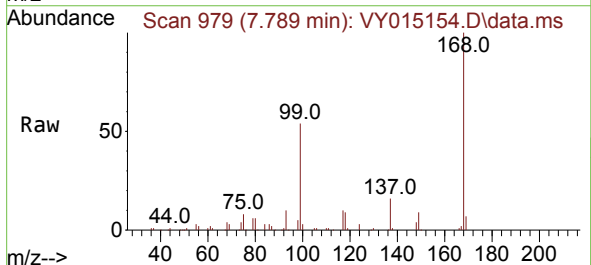
Instrument :
MSVOA_Y
ClientSampleId :



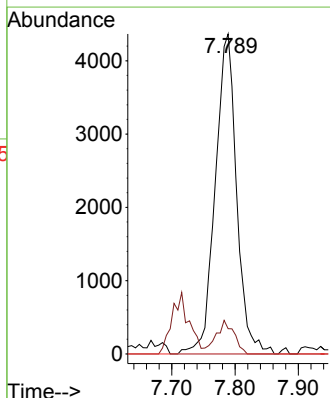
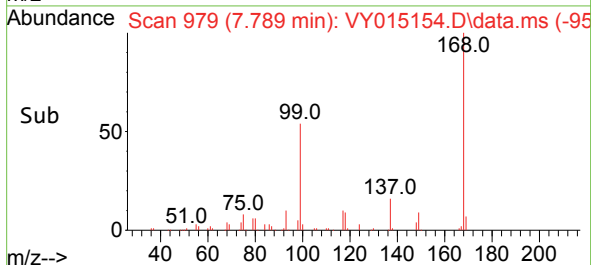
Tgt Ion:113 Resp: 70268
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 19.9 16.9 25.3

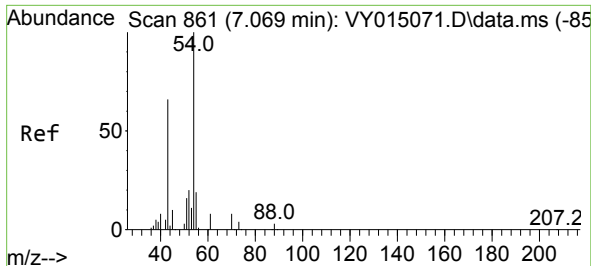


#36
1,1-Dichloropropene
Concen: 6.615 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015154.D
Acq: 16 Aug 2023 16:52



Tgt Ion: 75 Resp: 10225
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.757 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.085 min

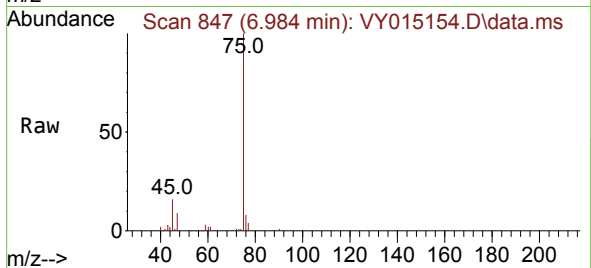
Lab File: VY015154.D

Acq: 16 Aug 2023 16:52

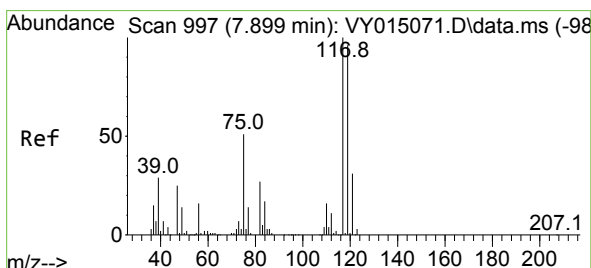
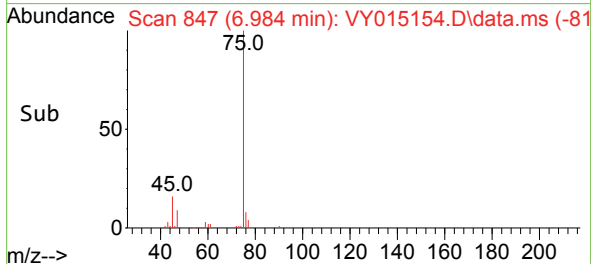
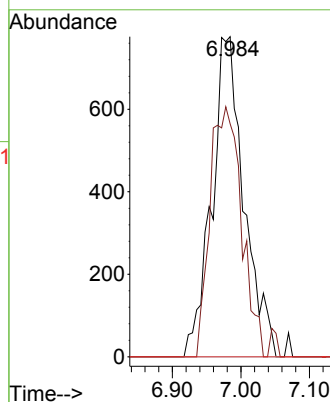
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	2531
Ion	Ratio	Lower	Upper
43	100		
61	76.5	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.730 ug/l

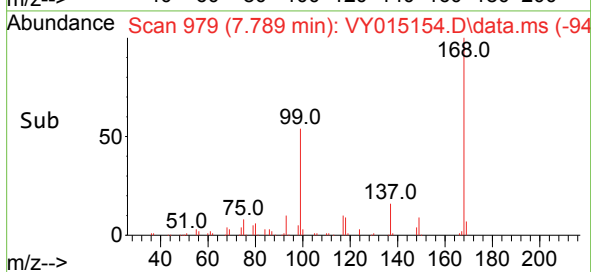
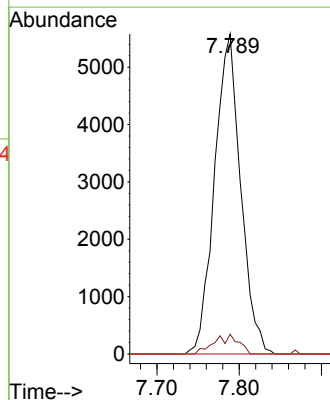
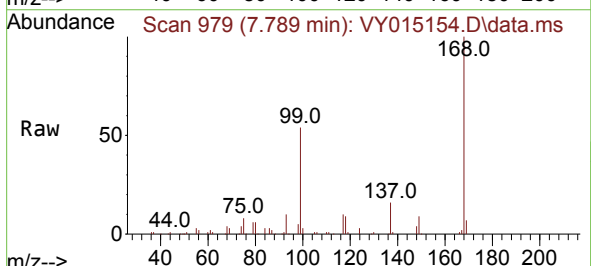
RT: 7.789 min Scan# 979

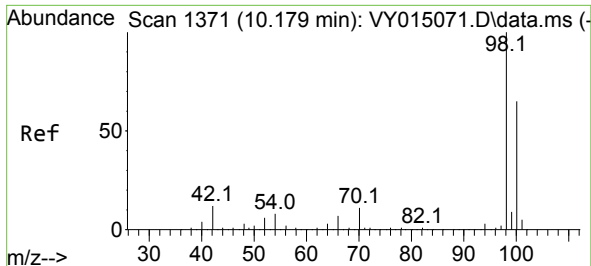
Delta R.T. -0.110 min

Lab File: VY015154.D

Acq: 16 Aug 2023 16:52

Tgt Ion:	117	Resp:	12311
Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.4	114.6#
121	0.0	25.8	38.6#

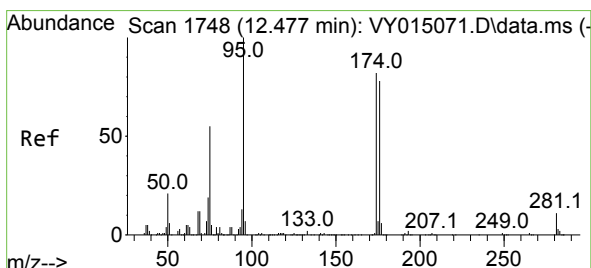
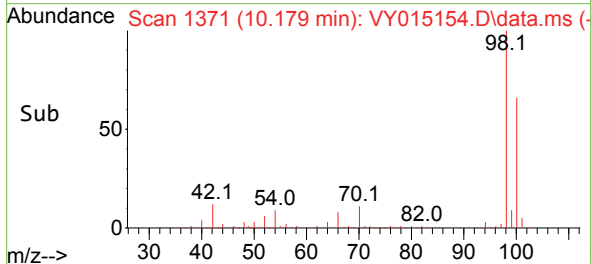
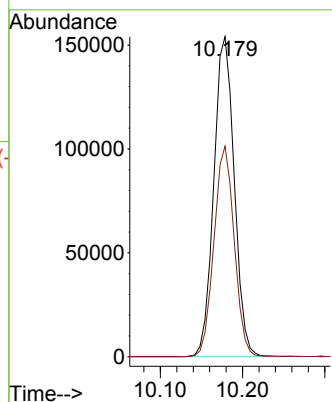
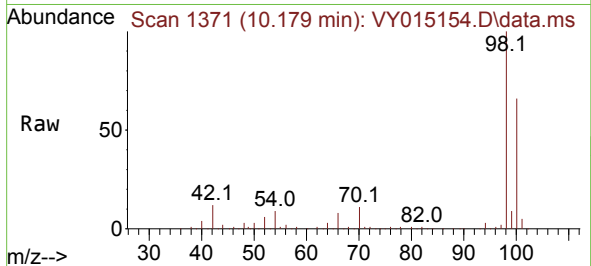




#50
Toluene-d8
Concen: 51.211 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015154.D
Acq: 16 Aug 2023 16:52

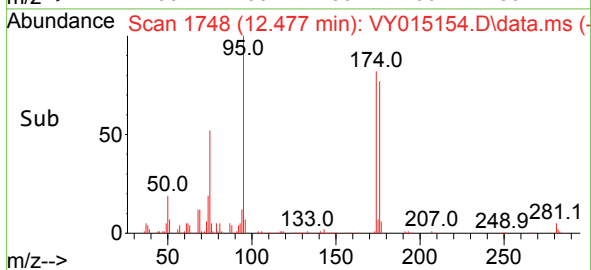
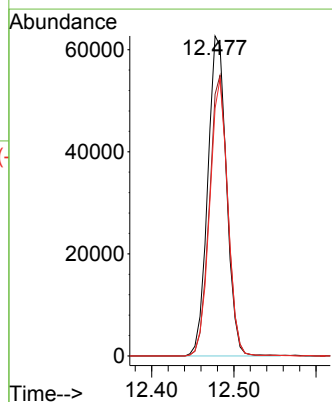
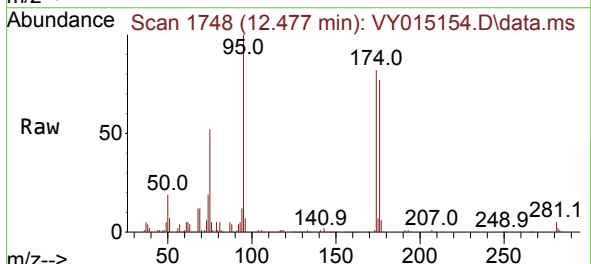
Instrument :
MSVOA_Y
ClientSampleId :

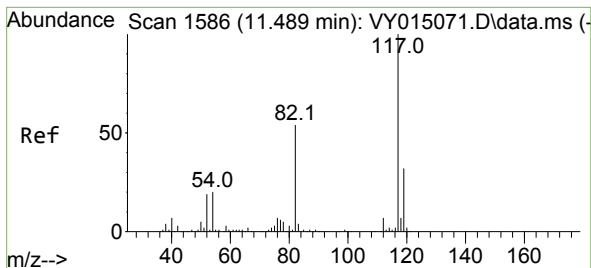
Tgt Ion: 98 Resp: 266335
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.095 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015154.D
Acq: 16 Aug 2023 16:52

Tgt Ion: 95 Resp: 98957
Ion Ratio Lower Upper
95 100
174 86.1 0.0 178.2
176 83.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

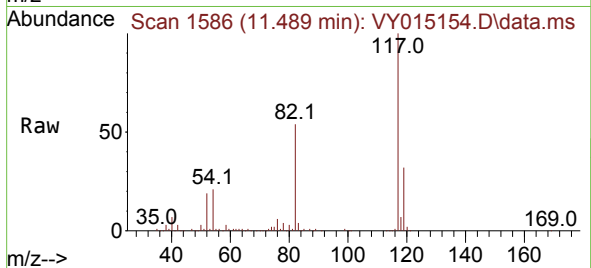
Lab File: VY015154.D

Acq: 16 Aug 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :



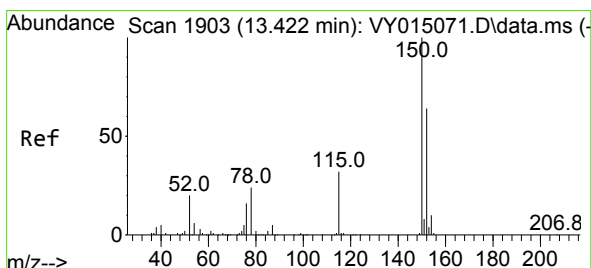
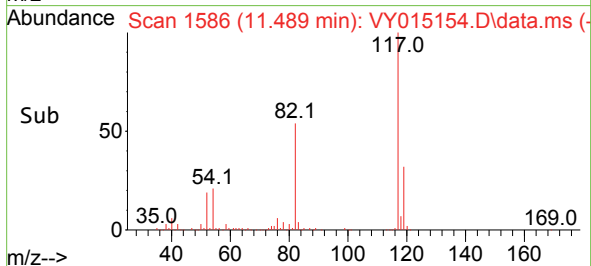
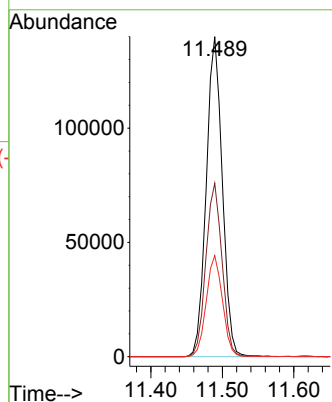
Tgt Ion:117 Resp: 218528

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 31.6 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: VY015154.D

Acq: 16 Aug 2023 16:52

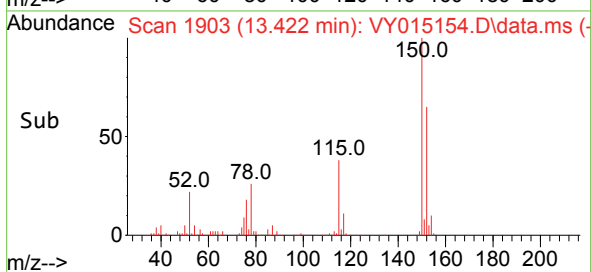
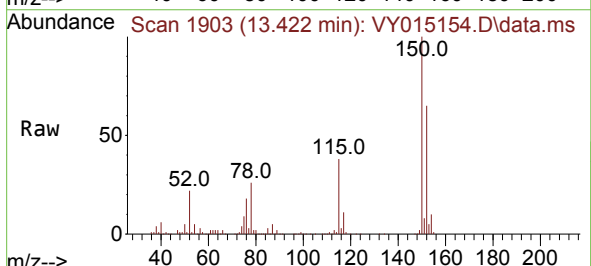
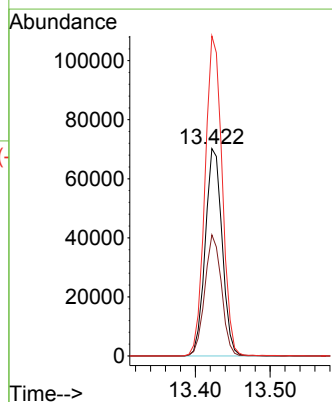
Tgt Ion:152 Resp: 109905

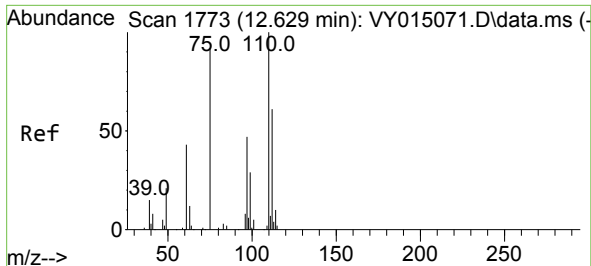
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 156.5 0.0 348.8

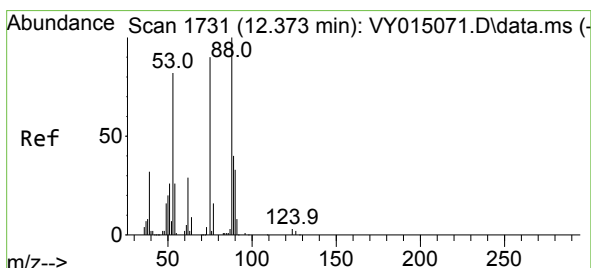
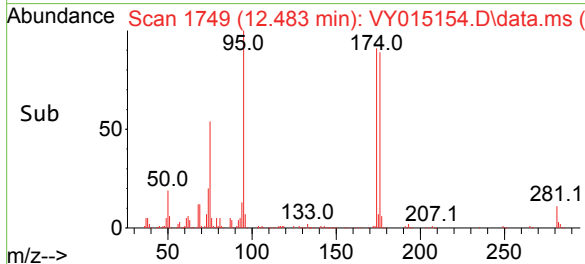
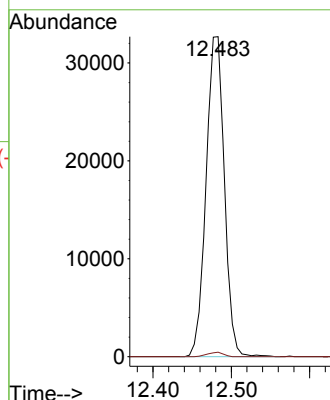
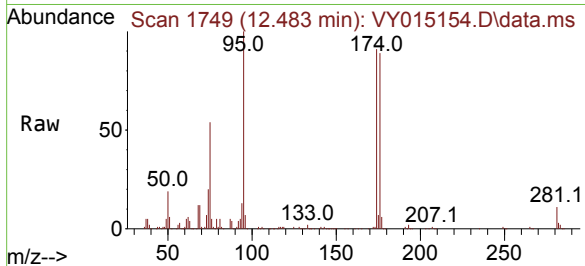




#76
1,2,3-Trichloropropane
Concen: 39.641 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015154.D
Acq: 16 Aug 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 52931
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.070 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015154.D
Acq: 16 Aug 2023 16:52

Tgt Ion: 75 Resp: 52931
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

