

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015108.D
 Acq On : 15 Aug 2023 17:05
 Operator : SY/MD
 Sample : 04009-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 02:06:57 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)

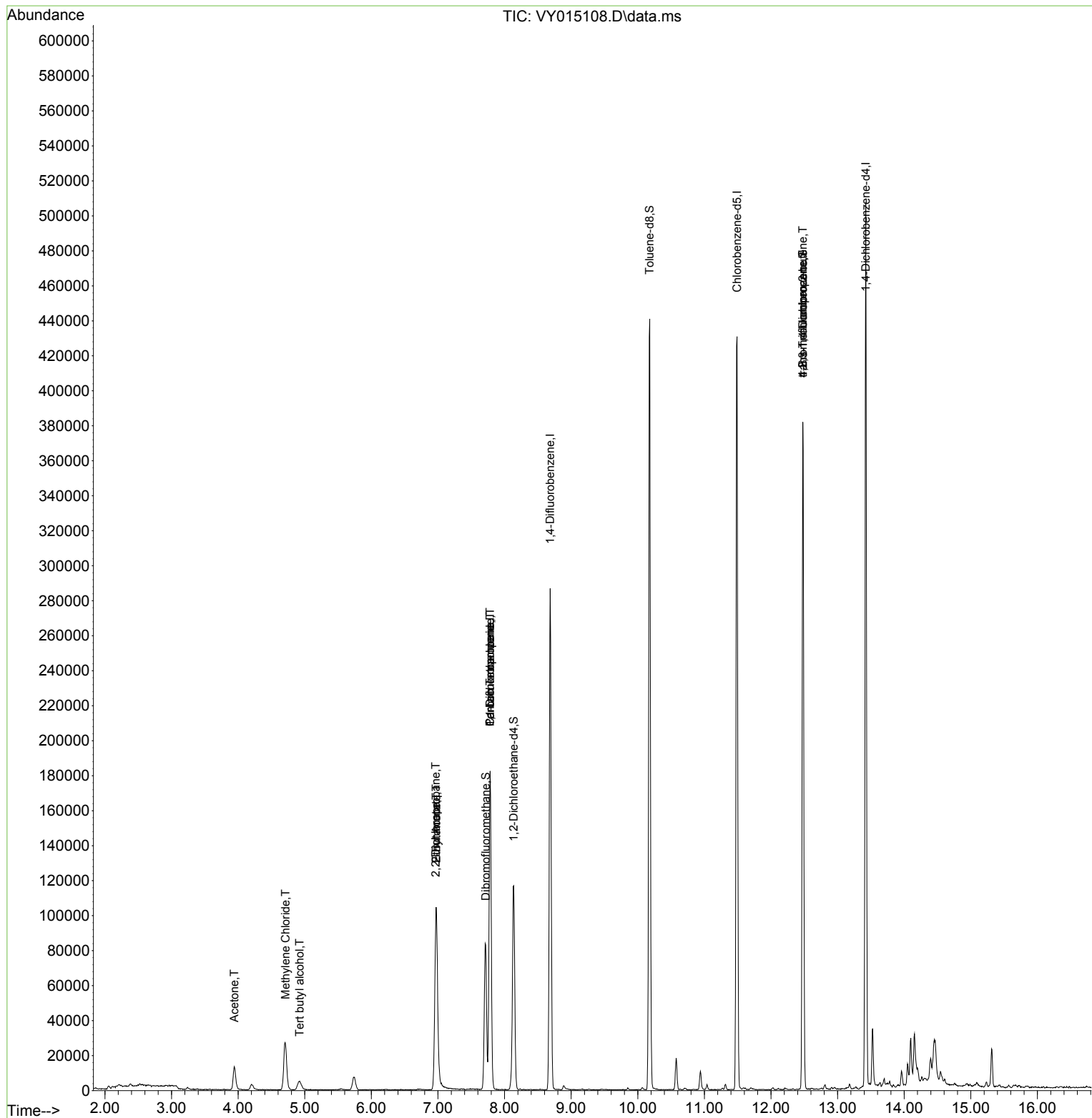
Internal Standards						
1) Pentafluorobenzene	7.783	168	141204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	247069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	241521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	92195	54.392	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.780%	
35) Dibromofluoromethane	7.716	113	59585	37.487	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 74.980%	
50) Toluene-d8	10.179	98	293182	49.549	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	12.477	95	112510	52.060	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	400	Below Cal	#	83
5) Bromomethane	2.656	94	333	Below Cal		93
11) Tert butyl alcohol	4.924	59	6305	6.835	ug/l #	89
16) Acetone	3.942	43	22644	40.893	ug/l #	89
20) Methylene Chloride	4.710	84	21166	12.721	ug/l	86
25) 2-Butanone	6.972	43	6060	7.729	ug/l #	76
26) 2,2-Dichloropropane	6.966	77	7551	3.328	ug/l #	54
31) Cyclohexane	7.783	56	3141	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	10967	6.237	ug/l #	51
37) Ethyl Acetate	6.972	43	6060	3.697	ug/l #	1
38) Carbon Tetrachloride	7.783	117	14193	6.820	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	59401	39.709	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59401	87.219	ug/l #	10

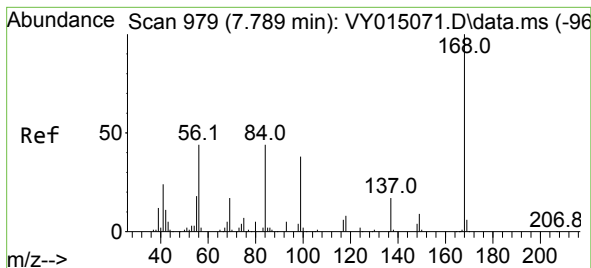
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY015108.D

Acq: 15 Aug 2023 17:05

Instrument :

MSVOA_Y

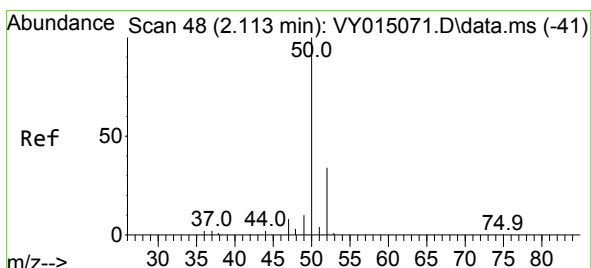
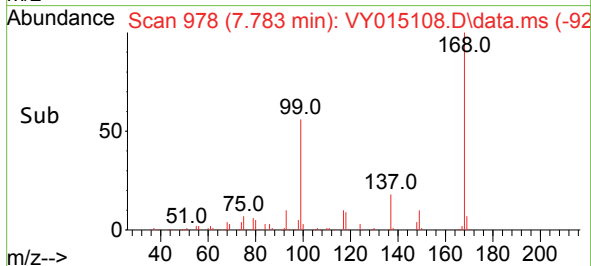
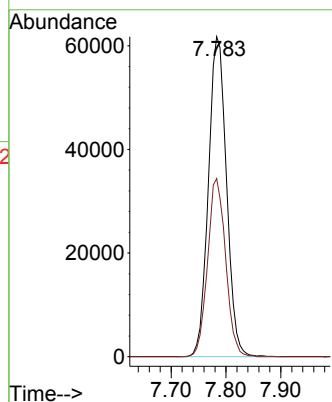
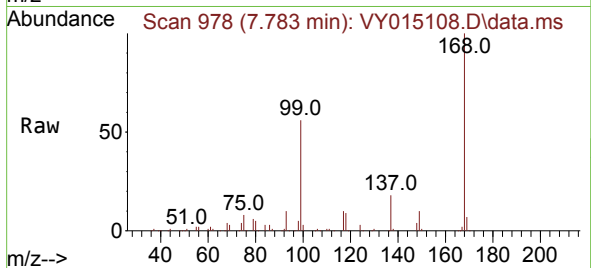
ClientSampleId :

Tgt Ion:168 Resp: 141204

Ion Ratio Lower Upper

168 100

99 55.6 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 47

Delta R.T. 0.000 min

Lab File: VY015108.D

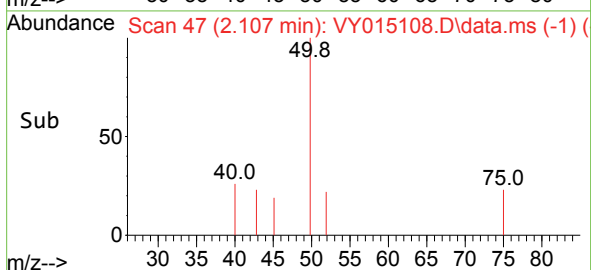
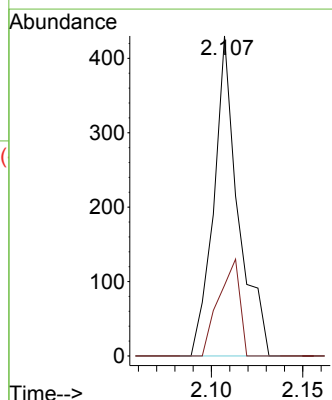
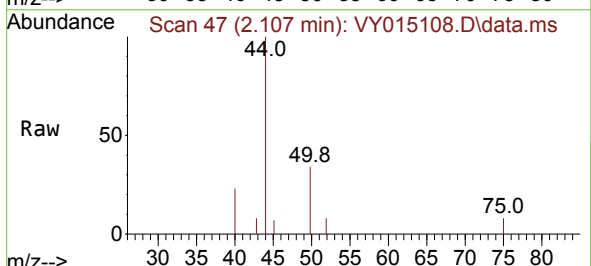
Acq: 15 Aug 2023 17:05

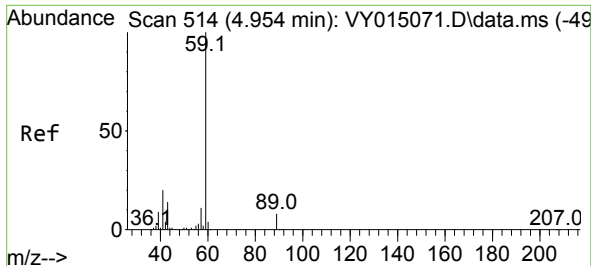
Tgt Ion: 50 Resp: 400

Ion Ratio Lower Upper

50 100

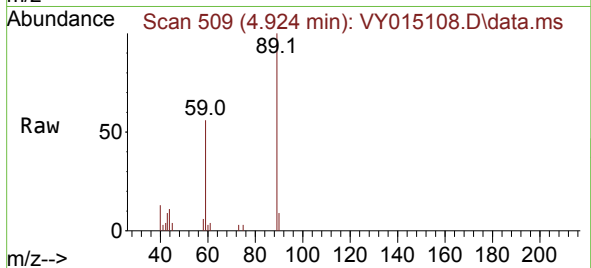
52 22.1 25.4 38.2#



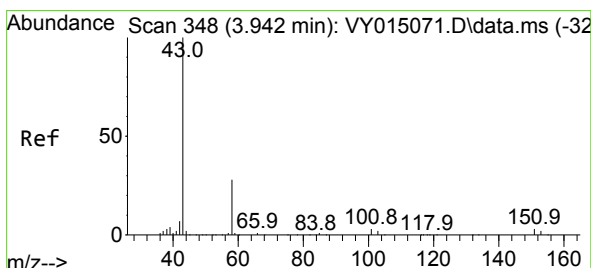
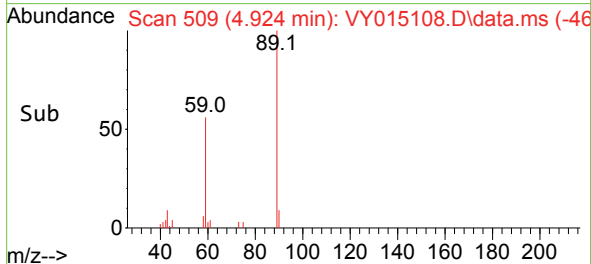
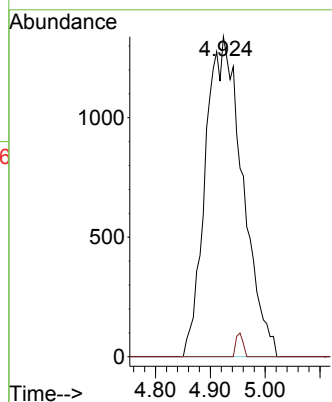


#11
Tert butyl alcohol
Concen: 6.835 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY015108.D
Acq: 15 Aug 2023 17:05

Instrument :
MSVOA_Y
ClientSampleId :

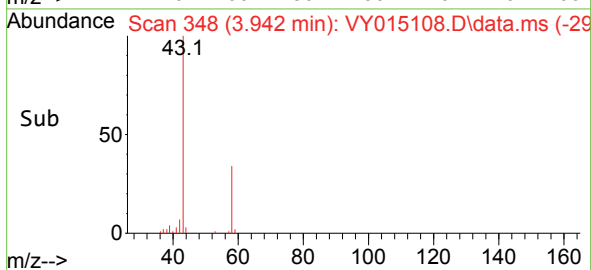
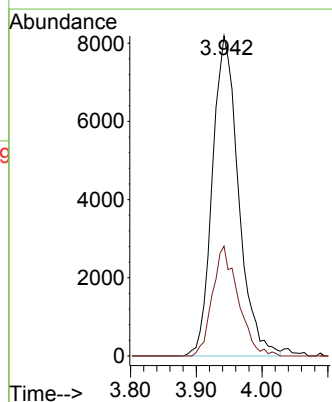
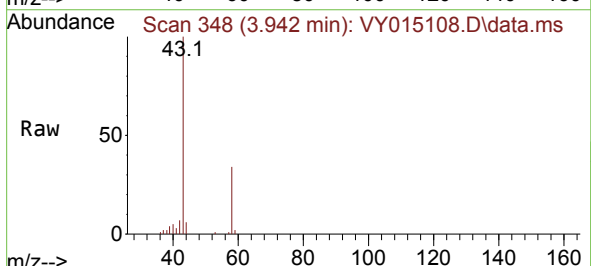


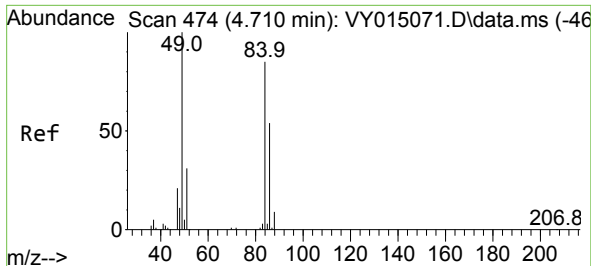
Tgt Ion: 59 Resp: 6305
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 40.893 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015108.D
Acq: 15 Aug 2023 17:05

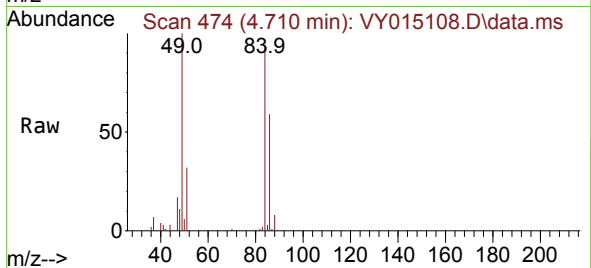
Tgt Ion: 43 Resp: 22644
Ion Ratio Lower Upper
43 100
58 34.3 22.7 34.1#



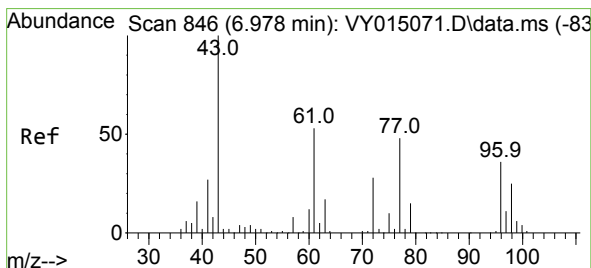
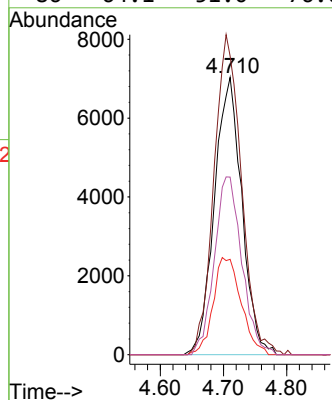
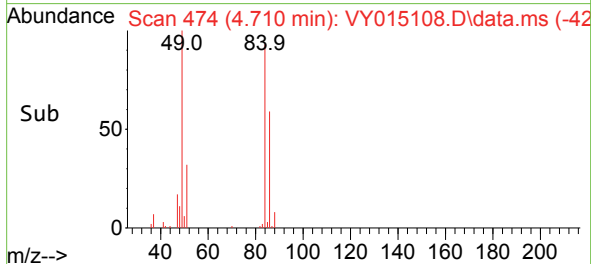


#20
Methylene Chloride
Concen: 12.721 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015108.D
Acq: 15 Aug 2023 17:05

Instrument :
MSVOA_Y
ClientSampleId :

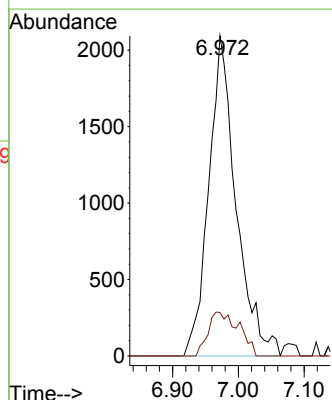
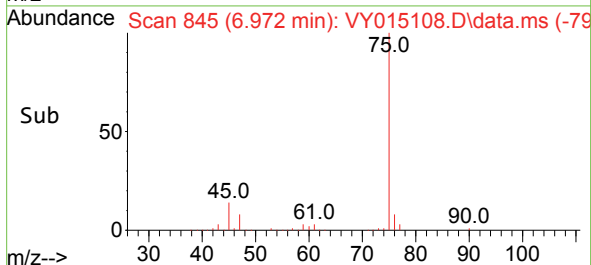
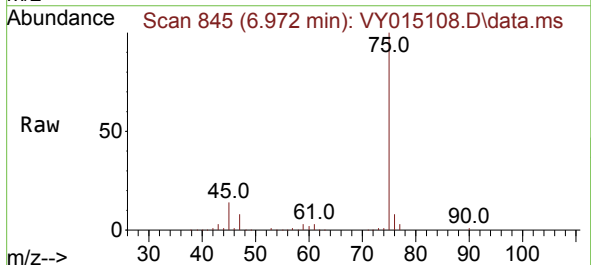


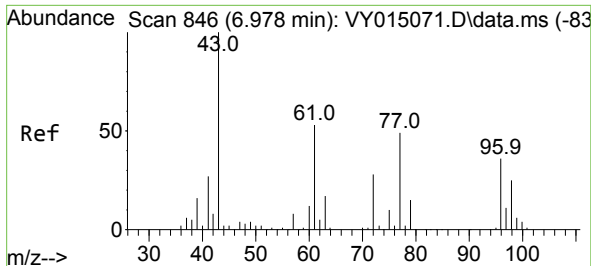
Tgt Ion: 84 Resp: 21166
Ion Ratio Lower Upper
84 100
49 107.7 106.9 160.3
51 34.4 33.2 49.8
86 64.1 51.0 76.6



#25
2-Butanone
Concen: 7.729 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY015108.D
Acq: 15 Aug 2023 17:05

Tgt Ion: 43 Resp: 6060
Ion Ratio Lower Upper
43 100
72 13.6 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 3.328 ug/l

RT: 6.966 min Scan# 846

Delta R.T. -0.006 min

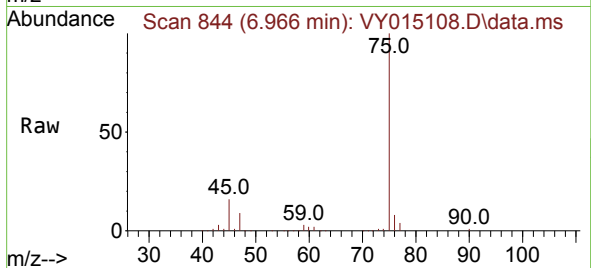
Lab File: VY015108.D

Acq: 15 Aug 2023 17:05

Instrument :

MSVOA_Y

ClientSampleId :

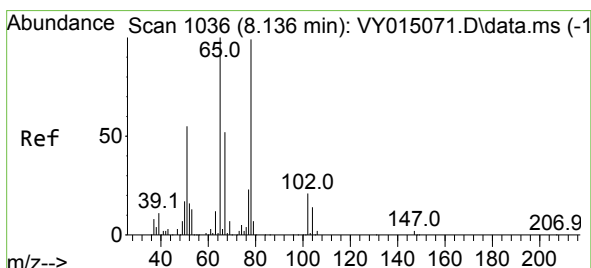
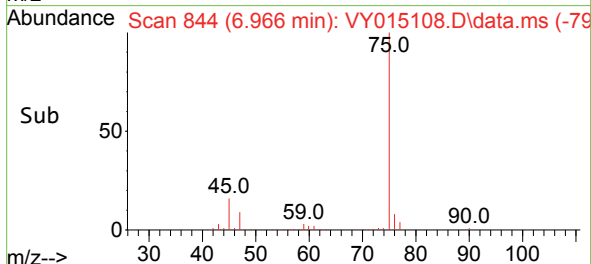
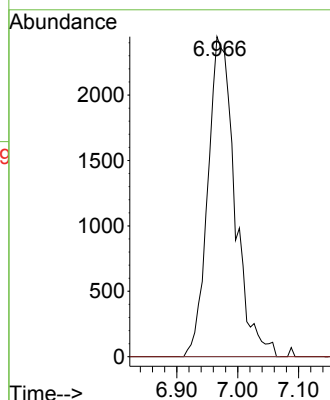


Tgt Ion: 77 Resp: 7551

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 54.392 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015108.D

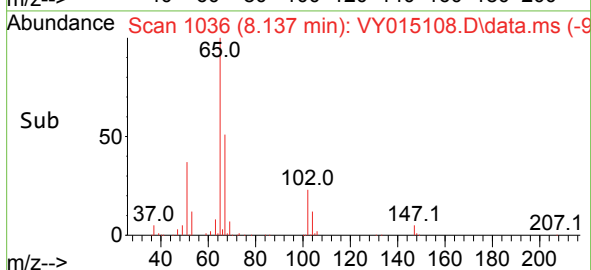
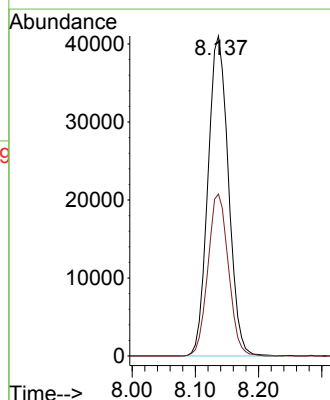
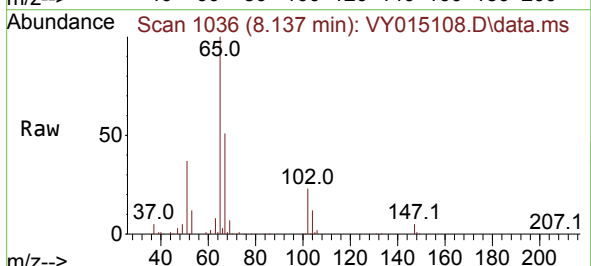
Acq: 15 Aug 2023 17:05

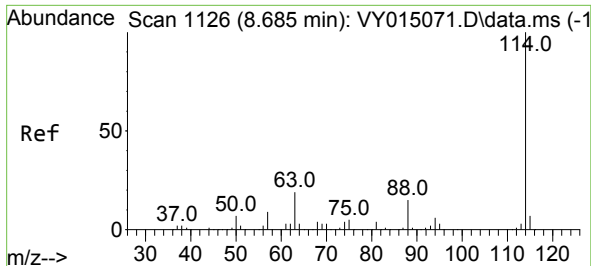
Tgt Ion: 65 Resp: 92195

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8

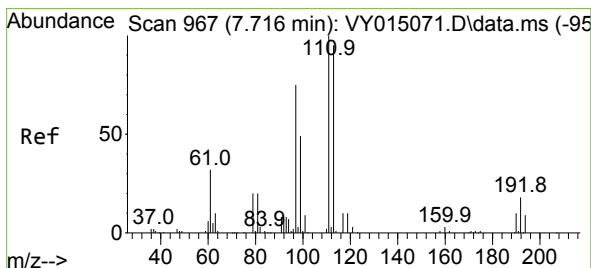
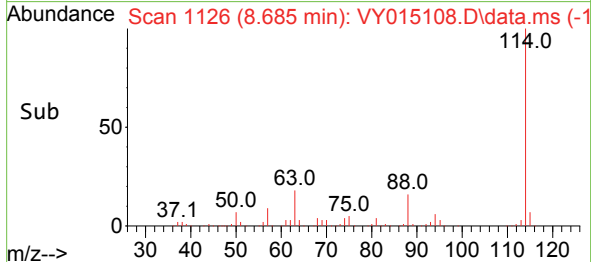
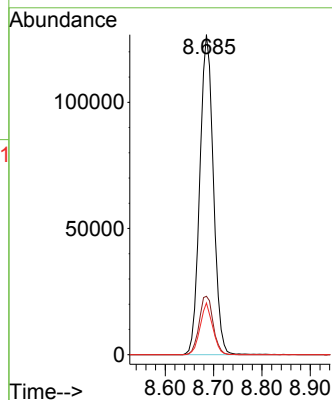
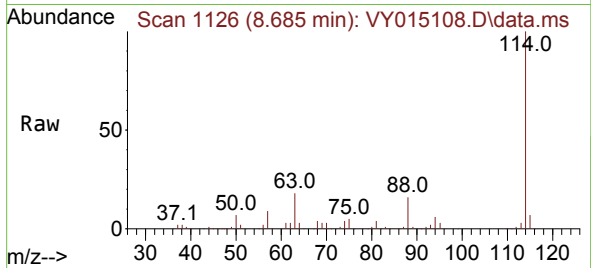




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015108.D
Acq: 15 Aug 2023 17:05

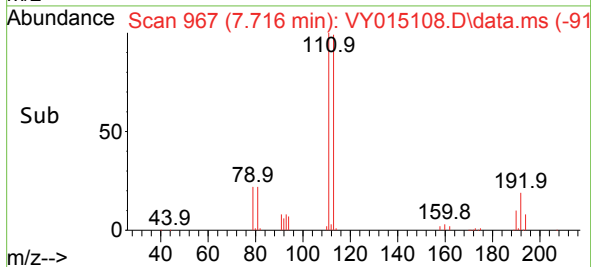
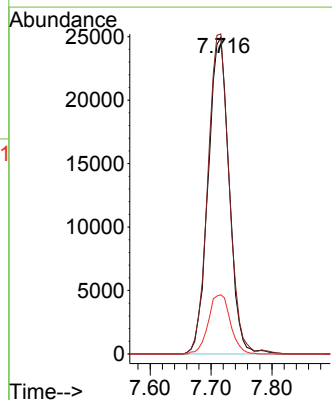
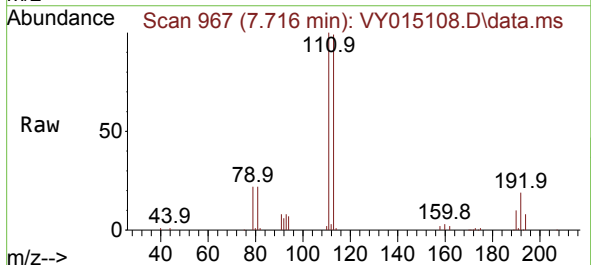
Instrument :
MSVOA_Y
ClientSampleId :

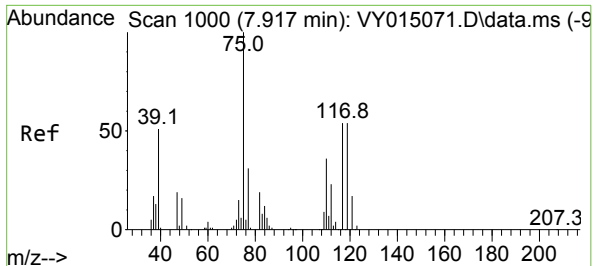
Tgt Ion:114 Resp: 247069
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.4
88 16.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 37.487 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015108.D
Acq: 15 Aug 2023 17:05

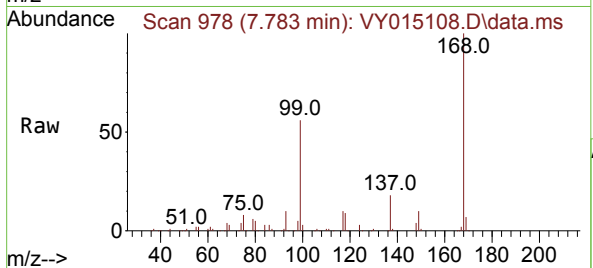
Tgt Ion:113 Resp: 59585
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 19.7 16.9 25.3



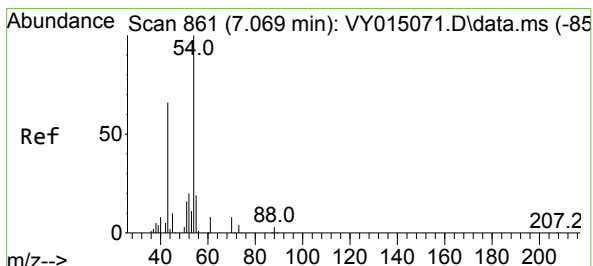
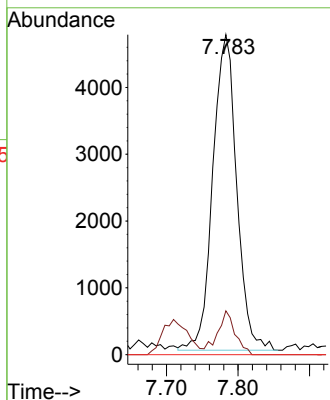
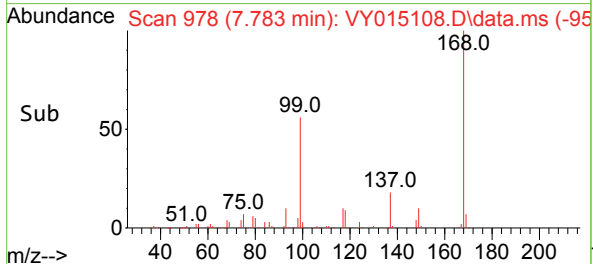


#36
 1,1-Dichloropropene
 Concen: 6.237 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY015108.D
 Acq: 15 Aug 2023 17:05

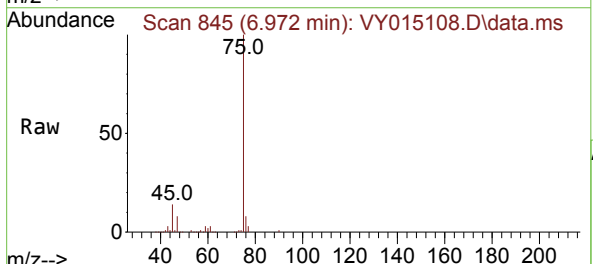
Instrument :
 MSVOA_Y
 ClientSampleId :



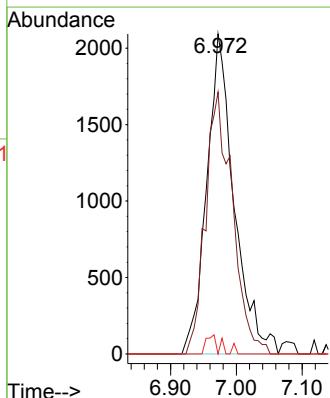
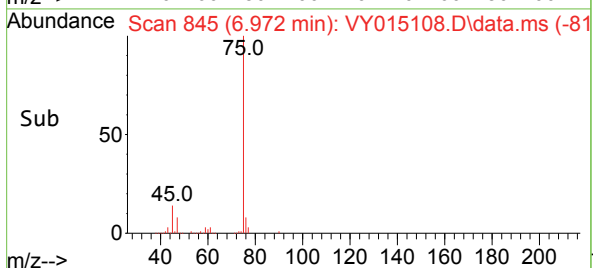
Tgt Ion: 75 Resp: 10967
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.8 53.5#
 77 0.0 24.4 36.6#

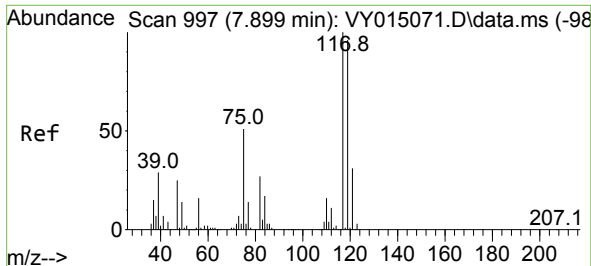


#37
 Ethyl Acetate
 Concen: 3.697 ug/l
 RT: 6.972 min Scan# 845
 Delta R.T. -0.097 min
 Lab File: VY015108.D
 Acq: 15 Aug 2023 17:05



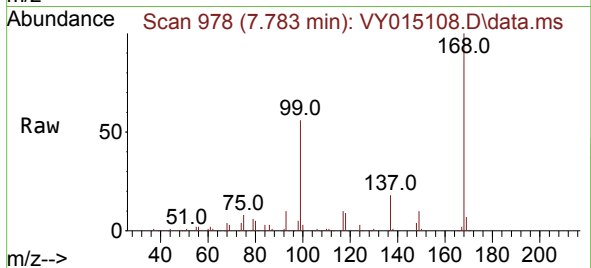
Tgt Ion: 43 Resp: 6060
 Ion Ratio Lower Upper
 43 100
 61 80.6 10.1 15.1#
 70 2.6 7.1 10.7#



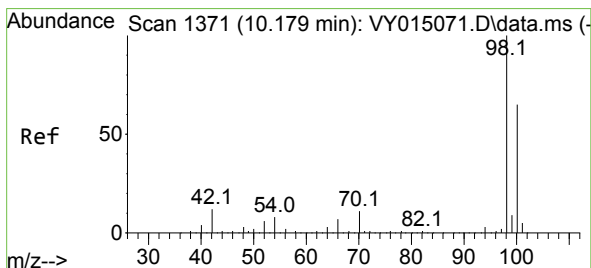
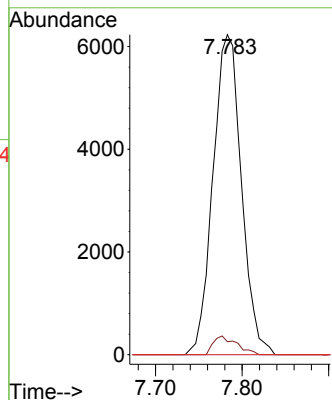
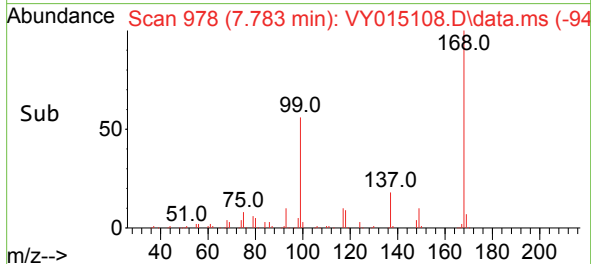


#38
Carbon Tetrachloride
Concen: 6.820 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015108.D
Acq: 15 Aug 2023 17:05

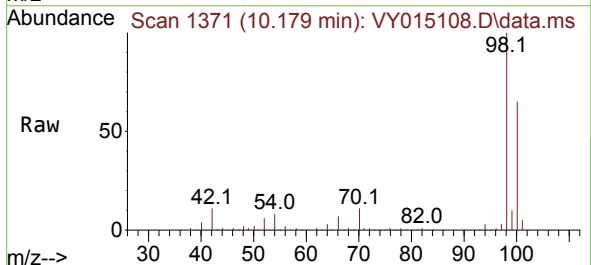
Instrument :
MSVOA_Y
ClientSampleId :



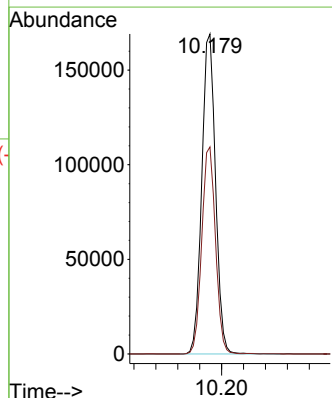
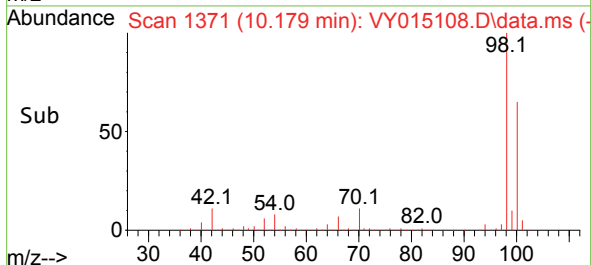
Tgt Ion:117 Resp: 14193
Ion Ratio Lower Upper
117 100
119 4.0 76.4 114.6#
121 0.0 25.8 38.6#

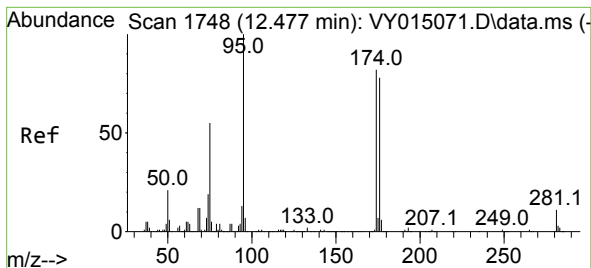


#50
Toluene-d8
Concen: 49.549 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015108.D
Acq: 15 Aug 2023 17:05



Tgt Ion: 98 Resp: 293182
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1

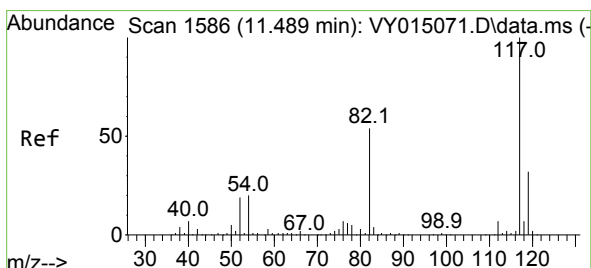
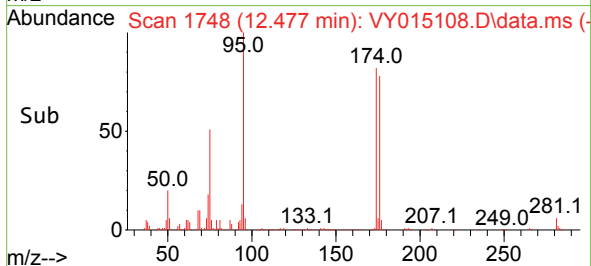
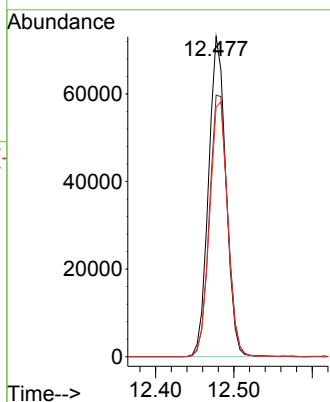
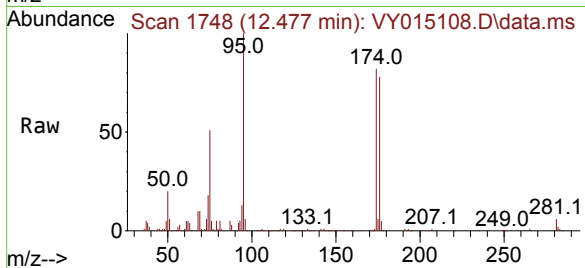




#62
4-Bromofluorobenzene
Concen: 52.060 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015108.D
Acq: 15 Aug 2023 17:05

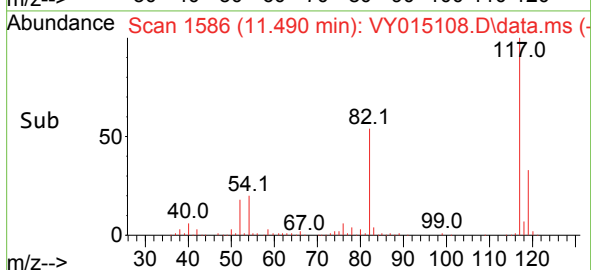
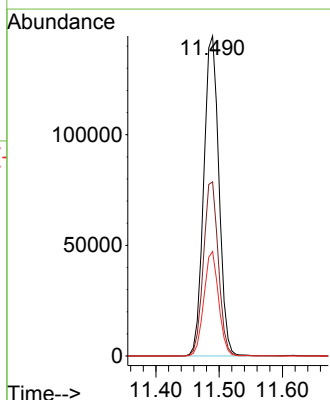
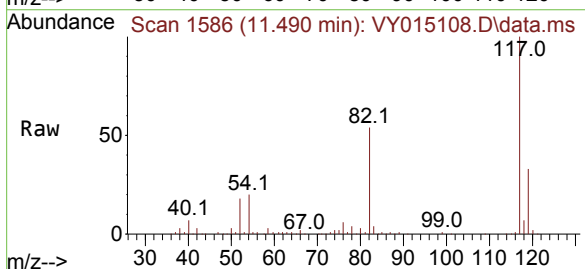
Instrument :
MSVOA_Y
ClientSampleId :

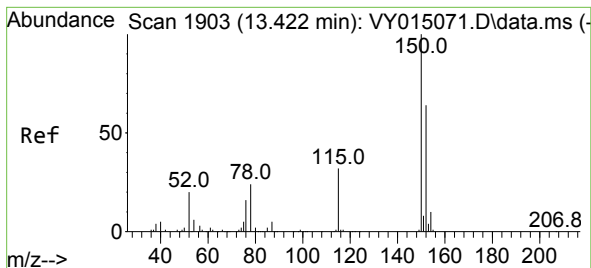
Tgt Ion: 95 Resp: 112510
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 82.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015108.D
Acq: 15 Aug 2023 17:05

Tgt Ion: 117 Resp: 241521
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 32.7 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

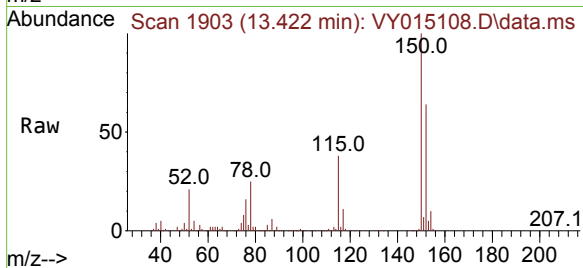
Lab File: VY015108.D

Acq: 15 Aug 2023 17:05

Instrument :

MSVOA_Y

ClientSampleId :



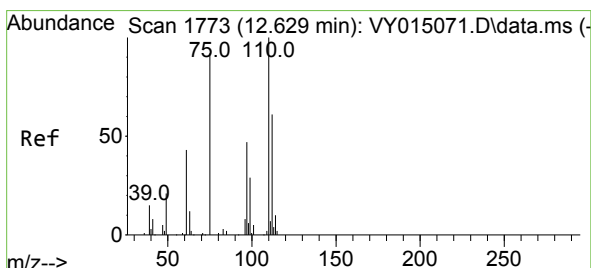
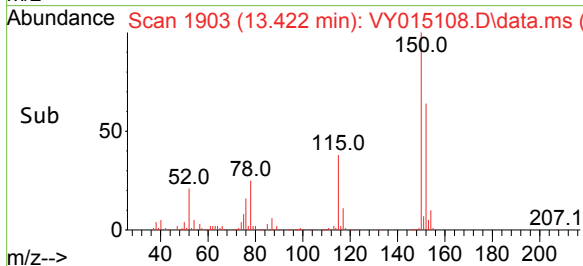
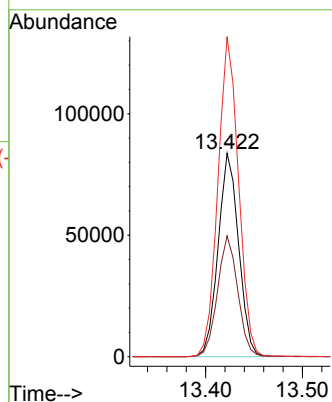
Tgt Ion:152 Resp: 123129

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 158.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.709 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015108.D

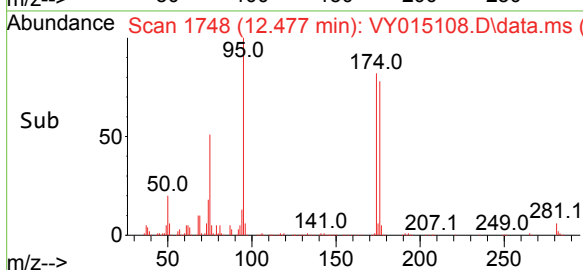
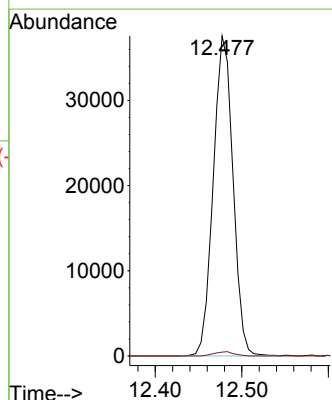
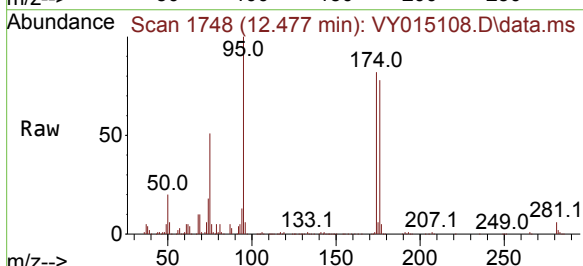
Acq: 15 Aug 2023 17:05

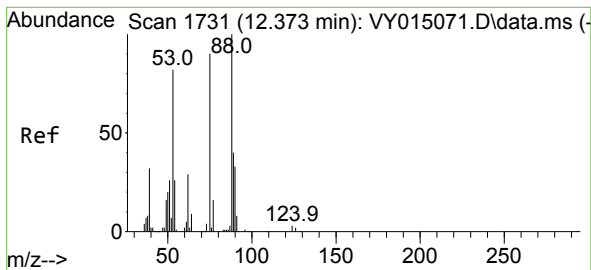
Tgt Ion: 75 Resp: 59401

Ion Ratio Lower Upper

75 100

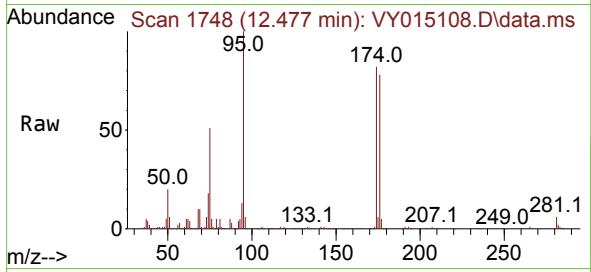
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.219 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015108.D
 Acq: 15 Aug 2023 17:05

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.0	37.4	56.0#

