

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015107.D
 Acq On : 15 Aug 2023 16:42
 Operator : SY/MD
 Sample : 04003-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 02:06:38 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)

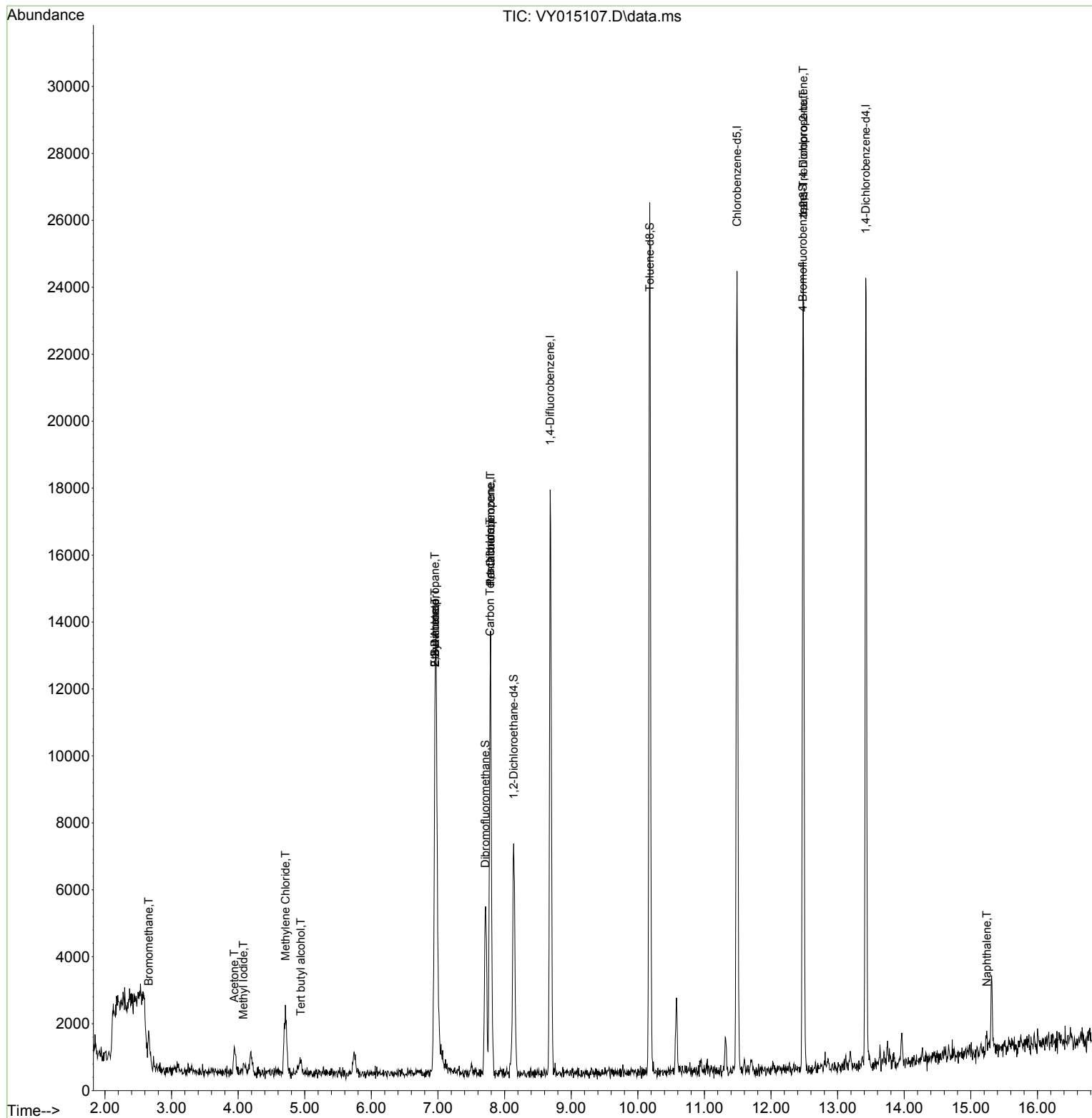
Internal Standards						
1) Pentafluorobenzene	7.789	168	9936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	15407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	14088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	6578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5283	44.294	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.580%
35) Dibromofluoromethane	7.710	113	3871	39.054	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.100%
50) Toluene-d8	10.179	98	17562	47.597	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.200%
62) 4-Bromofluorobenzene	12.477	95	6234	46.257	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.520%
Target Compounds						Qvalue
5) Bromomethane	2.656	94	320	4.254	ug/l #	77
10) Methyl Iodide	4.076	142	562	6.912	ug/l #	60
11) Tert butyl alcohol	4.942	59	628	16.873	ug/l #	89
16) Acetone	3.942	43	1384	35.520	ug/l	100
20) Methylene Chloride	4.710	84	1416	11.861	ug/l #	71
25) 2-Butanone	6.954	43	787	14.265	ug/l #	49
26) 2,2-Dichloropropane	6.954	77	964	6.039	ug/l #	54
31) Cyclohexane	7.783	56	181	Below Cal	#	45
36) 1,1-Dichloropropene	7.789	75	979	8.928	ug/l #	43
37) Ethyl Acetate	6.954	43	787	7.700	ug/l #	13
38) Carbon Tetrachloride	7.783	117	1062	8.183	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	3358	42.018	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3358	92.292	ug/l #	10
95) Naphthalene	15.239	128	823	2.694	ug/l #	69

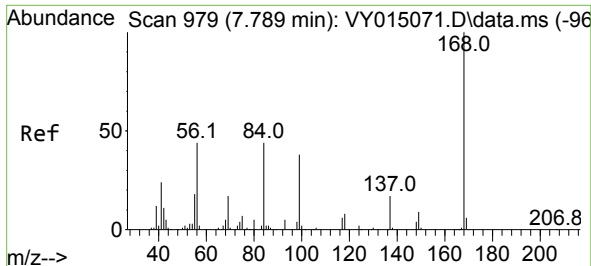
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
Data File : VY015107.D
Acq On : 15 Aug 2023 16:42
Operator : SY/MD
Sample : 04003-01
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Aug 16 02:06:38 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

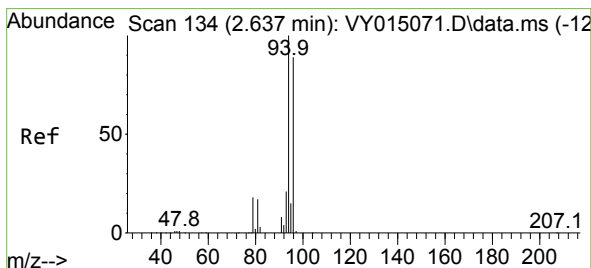
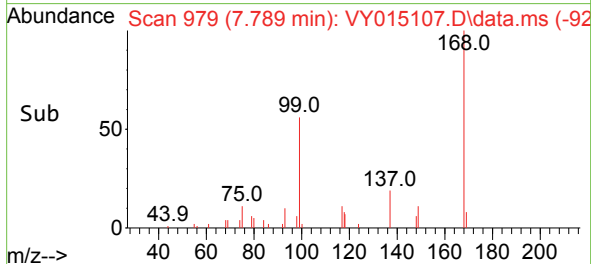
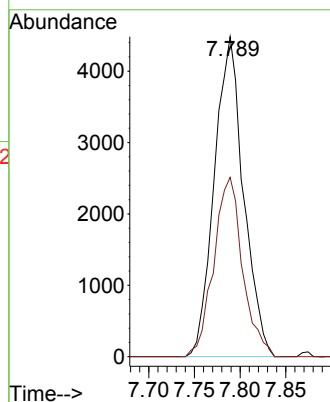
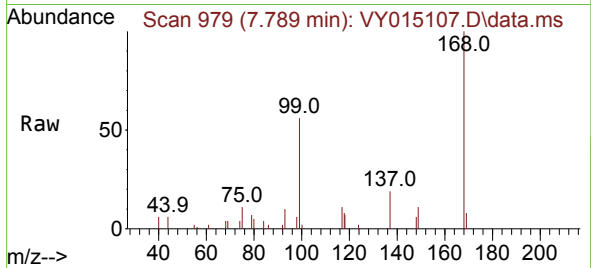




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015107.D
Acq: 15 Aug 2023 16:42

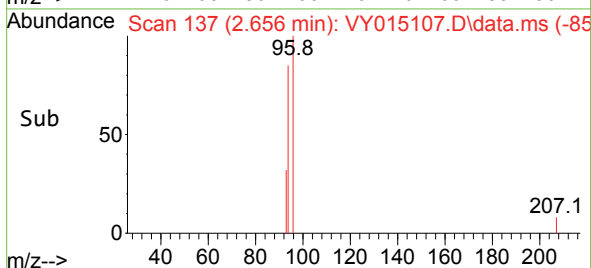
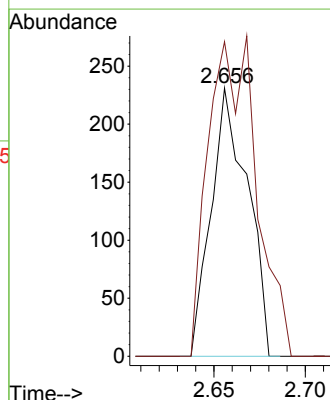
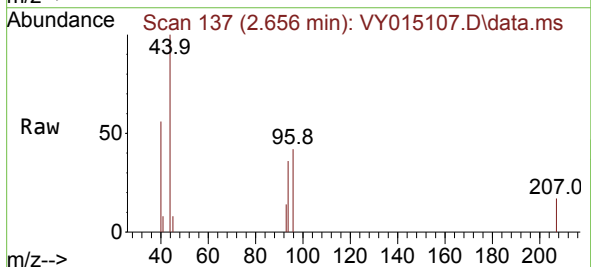
Instrument :
MSVOA_Y
ClientSampleId :

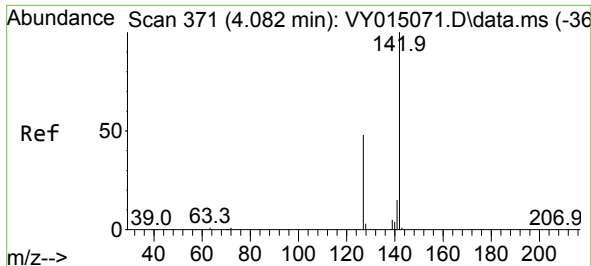
Tgt Ion:168 Resp: 9936
Ion Ratio Lower Upper
168 100
99 56.1 43.4 65.0



#5
Bromomethane
Concen: 4.254 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015107.D
Acq: 15 Aug 2023 16:42

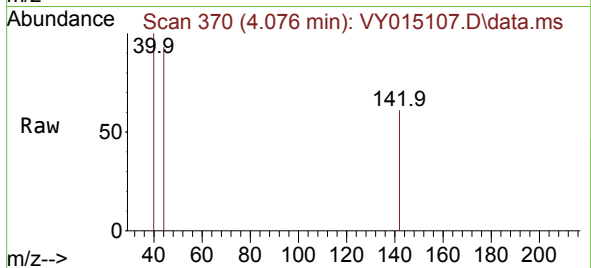
Tgt Ion: 94 Resp: 320
Ion Ratio Lower Upper
94 100
96 117.3 75.8 113.6#



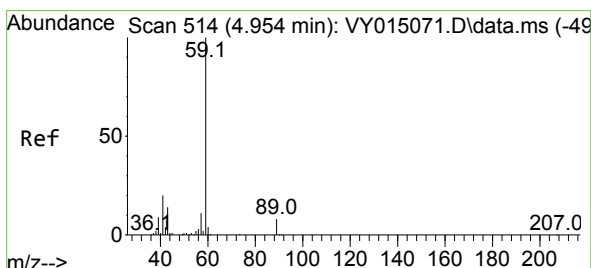
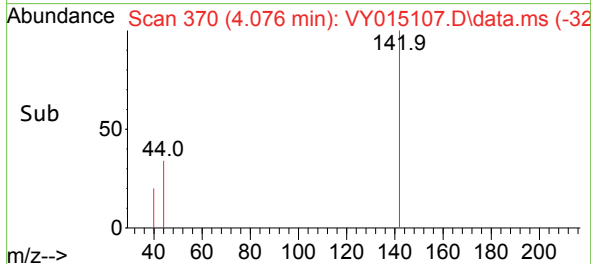
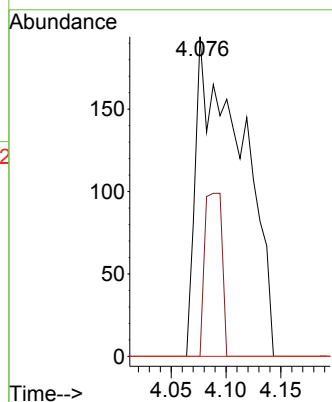


#10
Methyl Iodide
Concen: 6.912 ug/l
RT: 4.076 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY015107.D
Acq: 15 Aug 2023 16:42

Instrument :
MSVOA_Y
ClientSampleId :

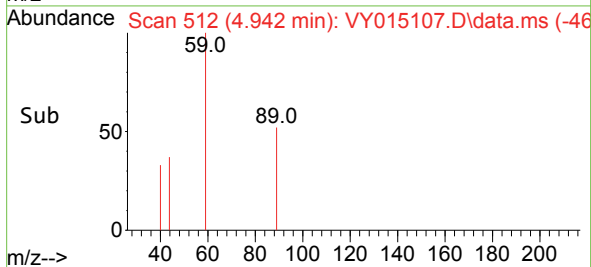
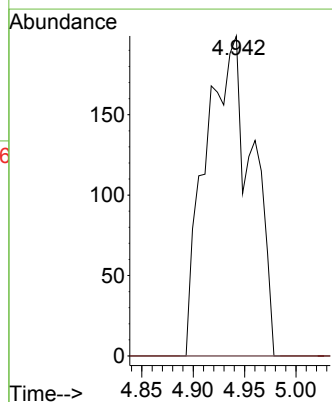
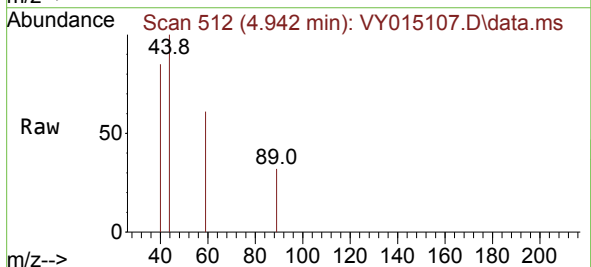


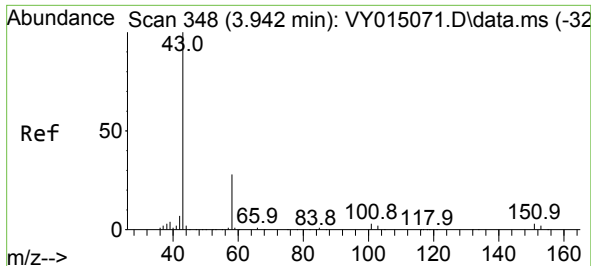
Tgt Ion:142 Resp: 562
Ion Ratio Lower Upper
142 100
127 19.2 37.6 56.4#
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: 16.873 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY015107.D
Acq: 15 Aug 2023 16:42

Tgt Ion: 59 Resp: 628
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

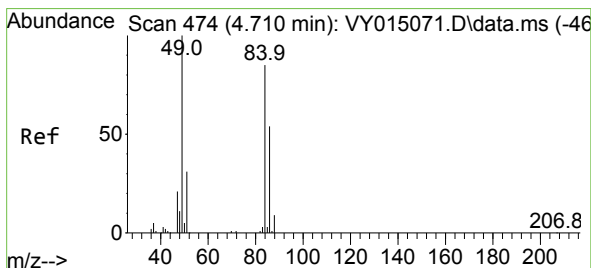
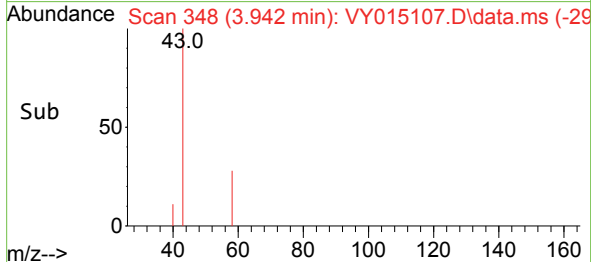
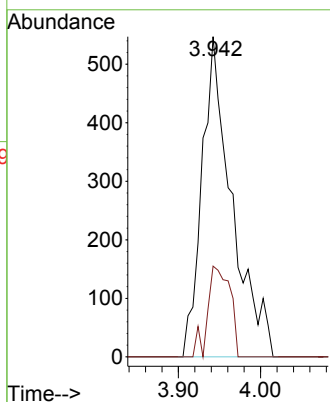
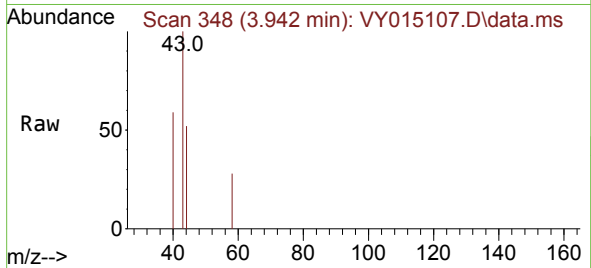




#16
Acetone
Concen: 35.520 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015107.D
Acq: 15 Aug 2023 16:42

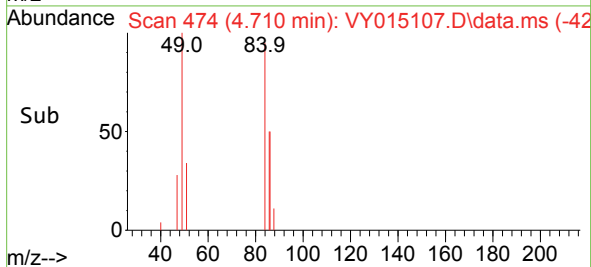
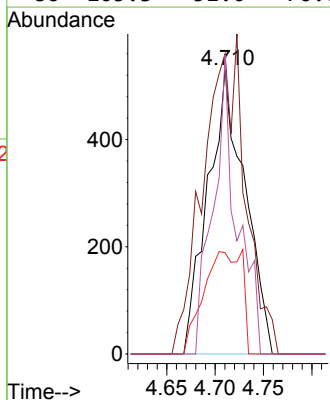
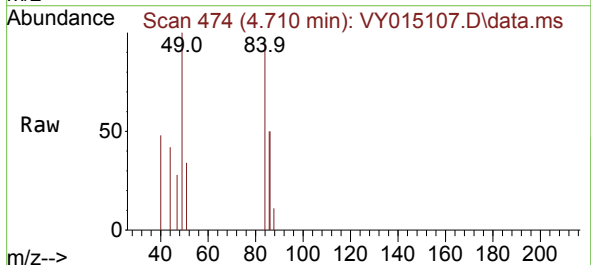
Instrument :
MSVOA_Y
ClientSampleId :

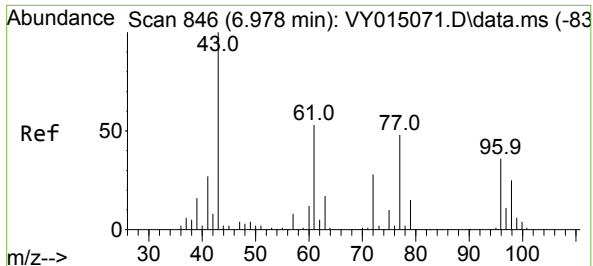
Tgt Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
58 28.3 22.7 34.1



#20
Methylene Chloride
Concen: 11.861 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015107.D
Acq: 15 Aug 2023 16:42

Tgt Ion: 84 Resp: 1416
Ion Ratio Lower Upper
84 100
49 105.7 106.9 160.3#
51 35.7 33.2 49.8
86 105.3 51.0 76.6#





#25

2-Butanone

Concen: 14.265 ug/l

RT: 6.954 min Scan# 842

Delta R.T. -0.024 min

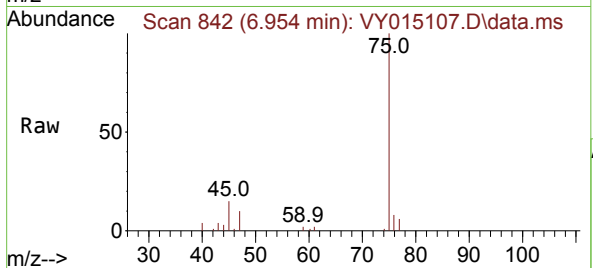
Lab File: VY015107.D

Acq: 15 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

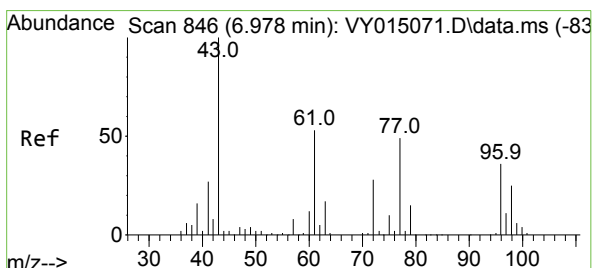
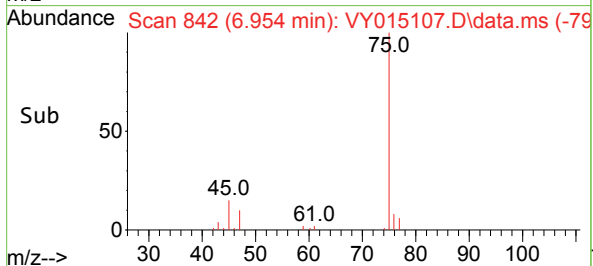
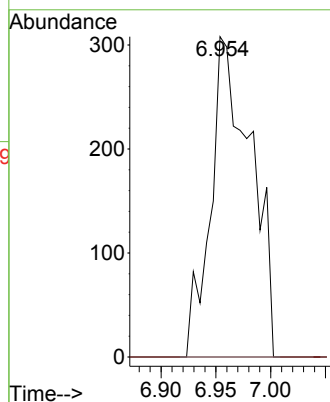


Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 6.039 ug/l

RT: 6.954 min Scan# 842

Delta R.T. -0.018 min

Lab File: VY015107.D

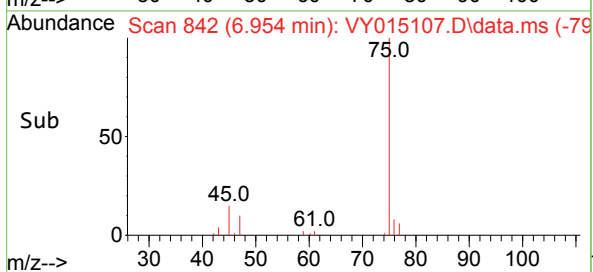
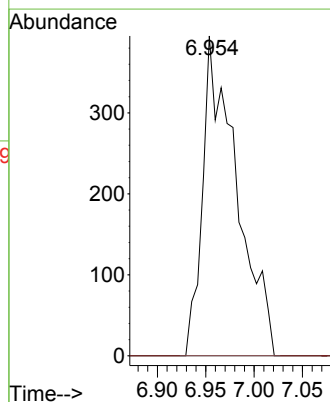
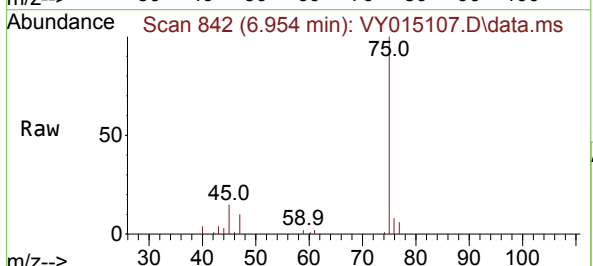
Acq: 15 Aug 2023 16:42

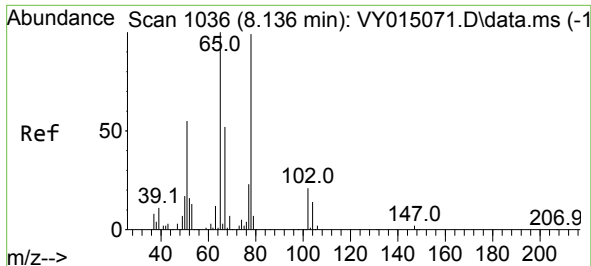
Tgt Ion: 77 Resp: 964

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 44.294 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015107.D

Acq: 15 Aug 2023 16:42

Instrument :

MSVOA_Y

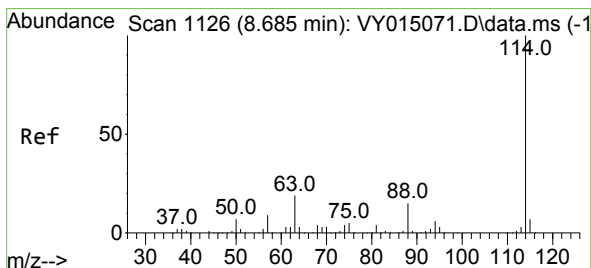
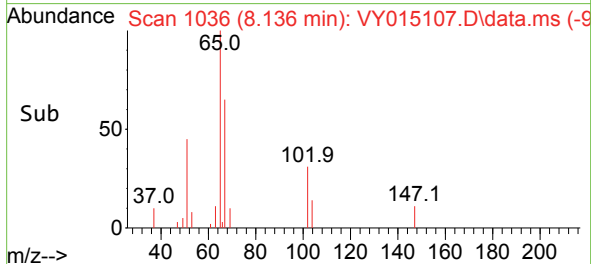
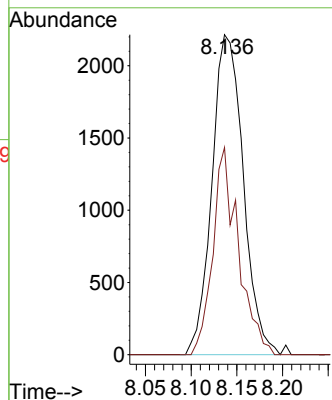
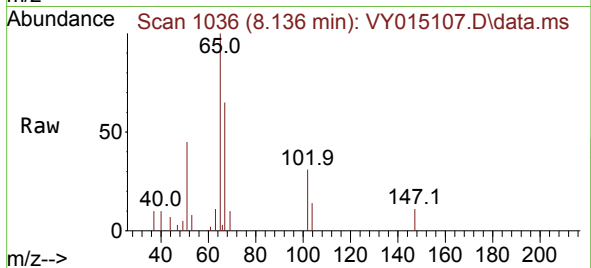
ClientSampleId :

Tgt Ion: 65 Resp: 5283

Ion Ratio Lower Upper

65 100

67 52.8 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: VY015107.D

Acq: 15 Aug 2023 16:42

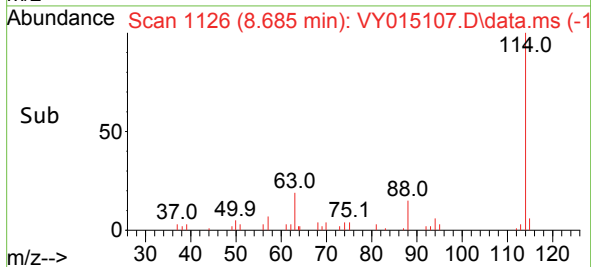
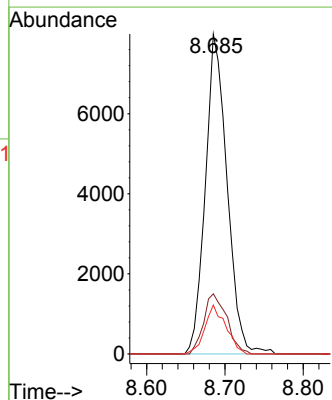
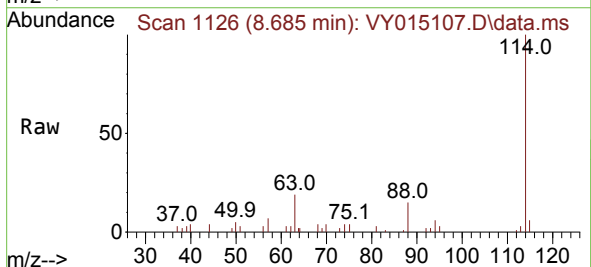
Tgt Ion: 114 Resp: 15407

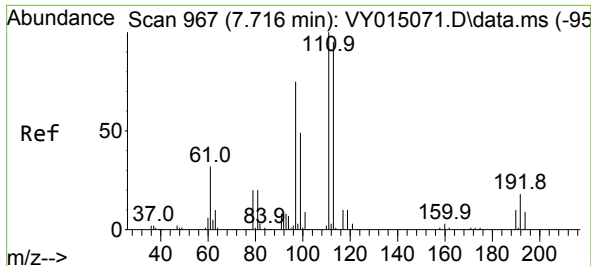
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

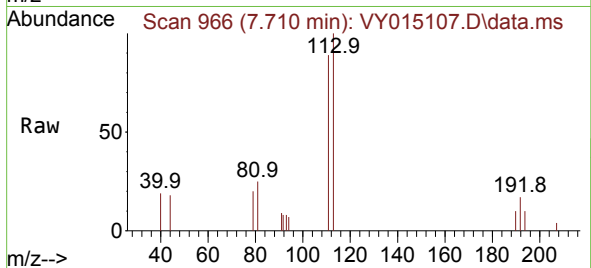
88 15.3 0.0 30.6



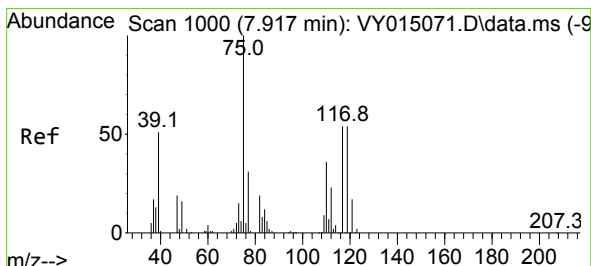
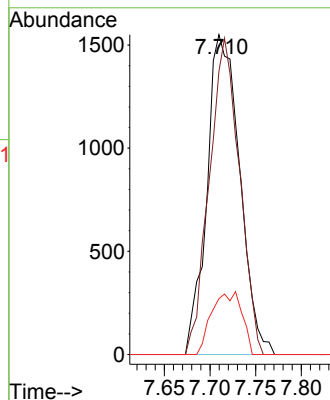
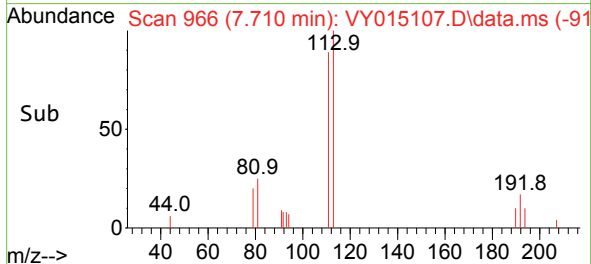


#35
Dibromofluoromethane
Concen: 39.054 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015107.D
Acq: 15 Aug 2023 16:42

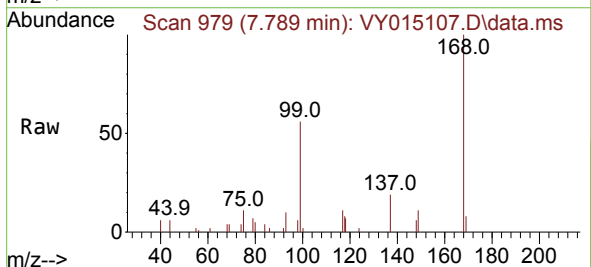
Instrument :
MSVOA_Y
ClientSampleId :



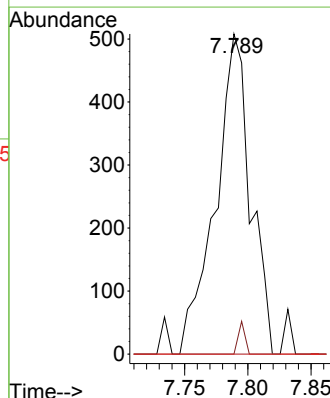
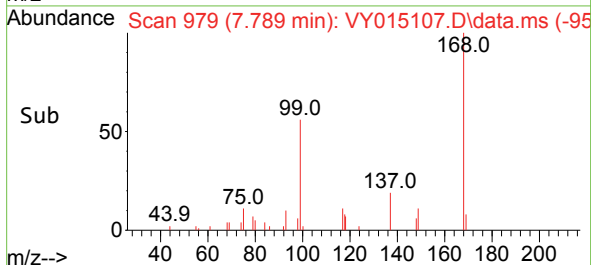
Tgt Ion:113 Resp: 3871
Ion Ratio Lower Upper
113 100
111 91.2 81.3 121.9
192 18.0 16.9 25.3

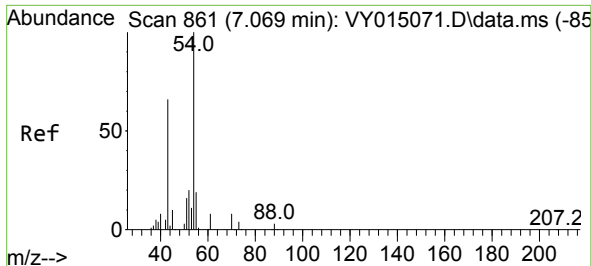


#36
1,1-Dichloropropene
Concen: 8.928 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015107.D
Acq: 15 Aug 2023 16:42



Tgt Ion: 75 Resp: 979
Ion Ratio Lower Upper
75 100
110 1.9 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 7.700 ug/l

RT: 6.954 min Scan# 84

Delta R.T. -0.116 min

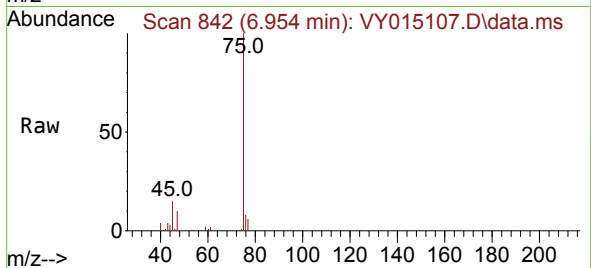
Lab File: VY015107.D

Acq: 15 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :



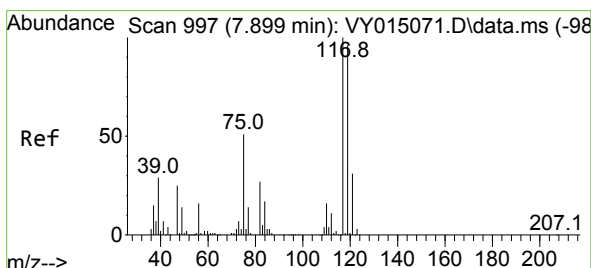
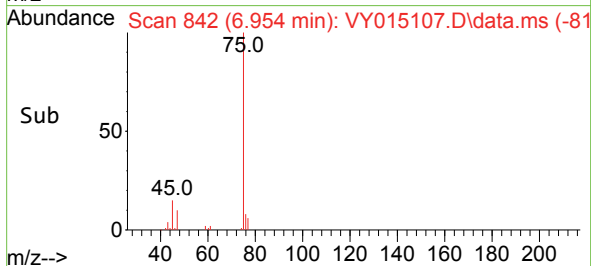
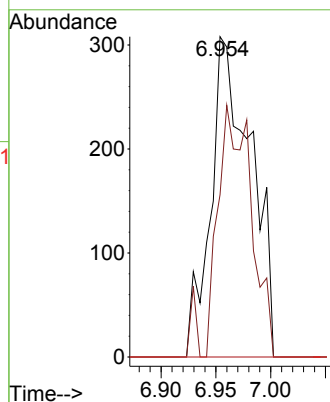
Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

43 100

61 64.4 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 8.183 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015107.D

Acq: 15 Aug 2023 16:42

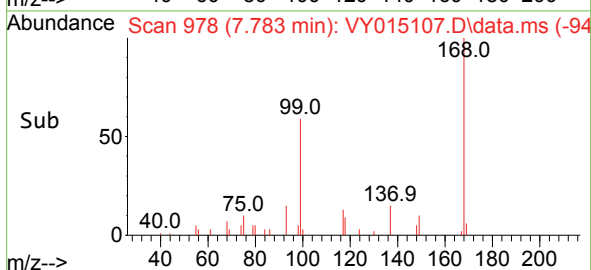
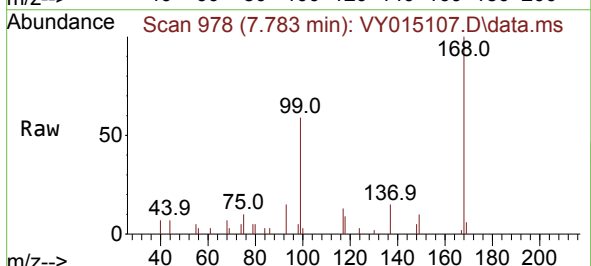
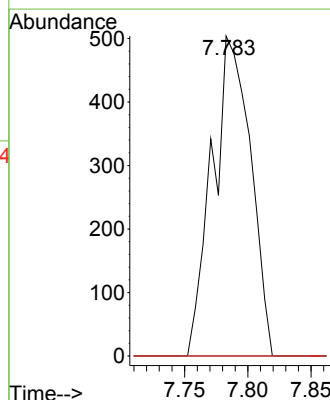
Tgt Ion: 117 Resp: 1062

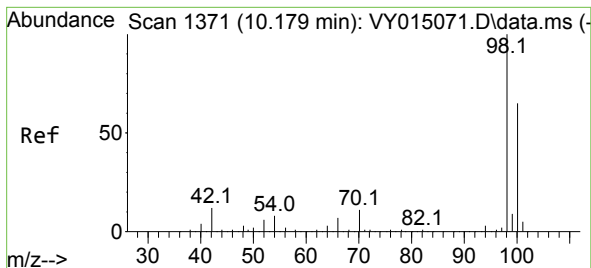
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 47.597 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015107.D

Acq: 15 Aug 2023 16:42

Instrument :

MSVOA_Y

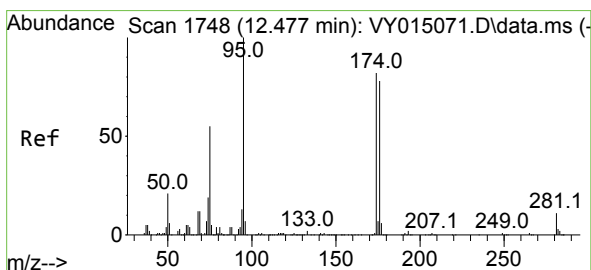
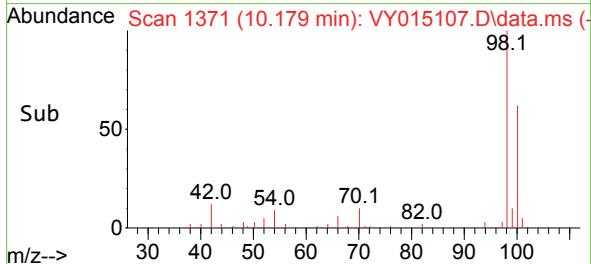
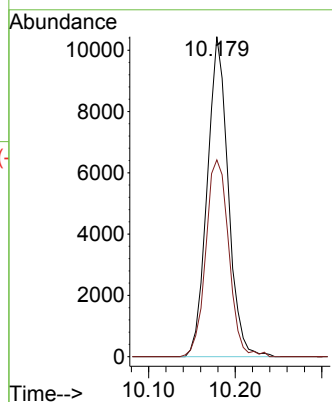
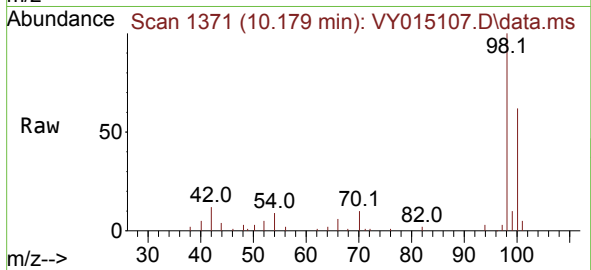
ClientSampleId :

Tgt Ion: 98 Resp: 17562

Ion Ratio Lower Upper

98 100

100 67.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 46.257 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015107.D

Acq: 15 Aug 2023 16:42

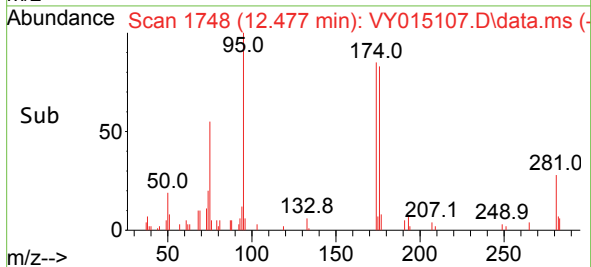
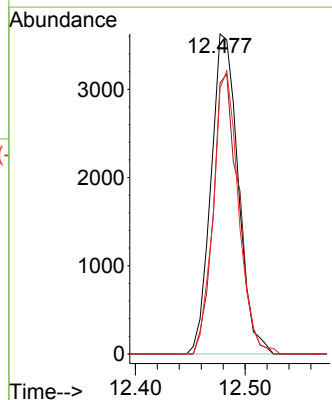
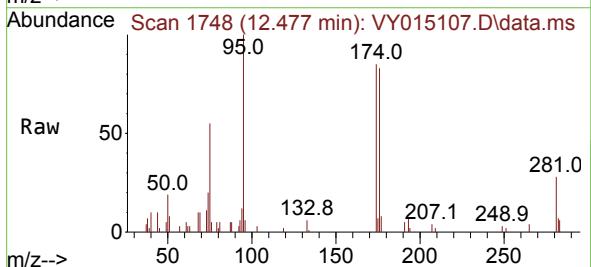
Tgt Ion: 95 Resp: 6234

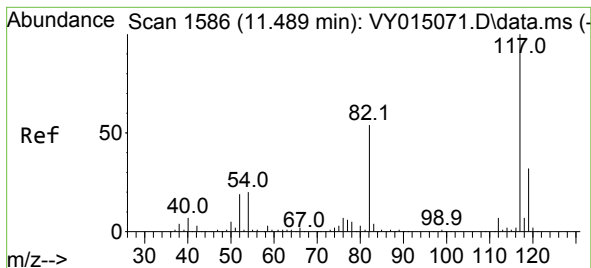
Ion Ratio Lower Upper

95 100

174 82.3 0.0 178.2

176 82.2 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: VY015107.D

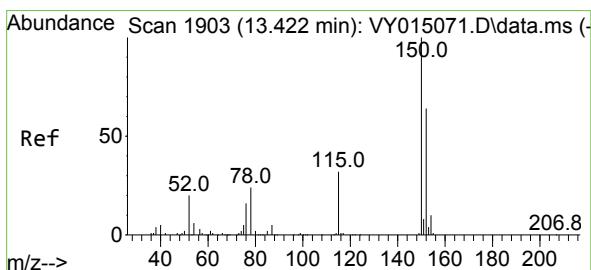
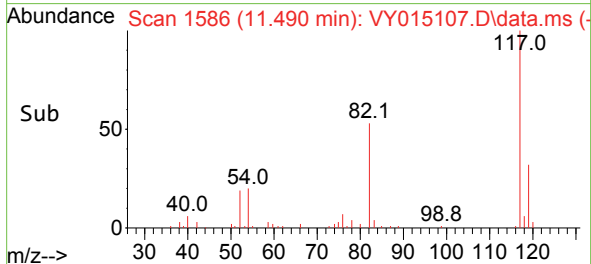
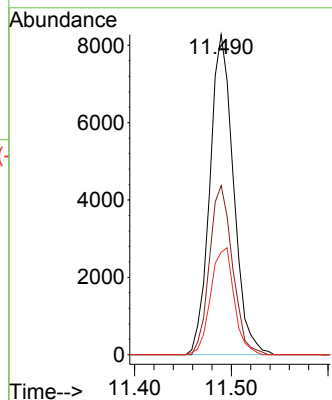
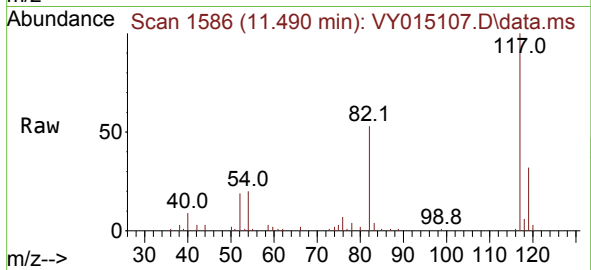
Acq: 15 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	14088
Ion Ratio	Lower	Upper
117	100	
82	52.9	43.4 65.0
119	32.0	26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

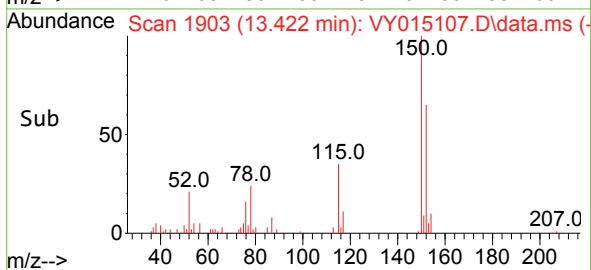
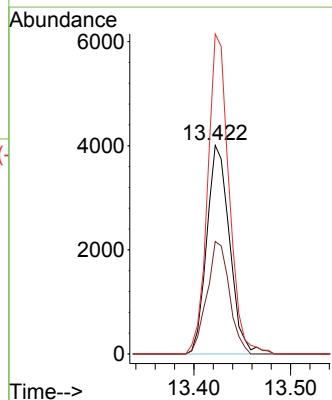
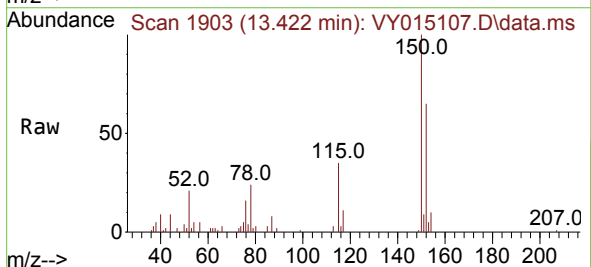
RT: 13.422 min Scan# 1903

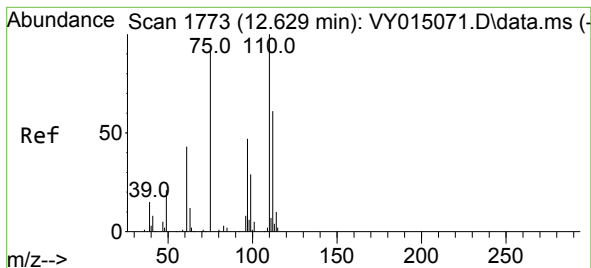
Delta R.T. 0.000 min

Lab File: VY015107.D

Acq: 15 Aug 2023 16:42

Tgt Ion:152	Resp:	6578
Ion Ratio	Lower	Upper
152	100	
115	53.0	28.8 86.5
150	143.4	0.0 348.8

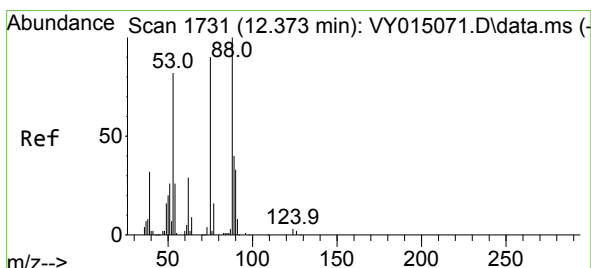
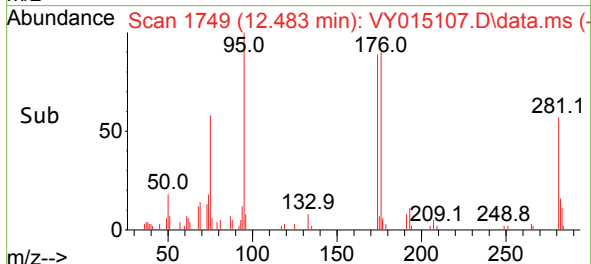
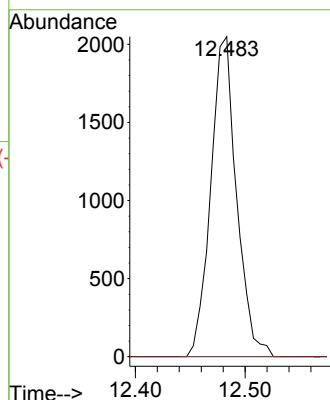
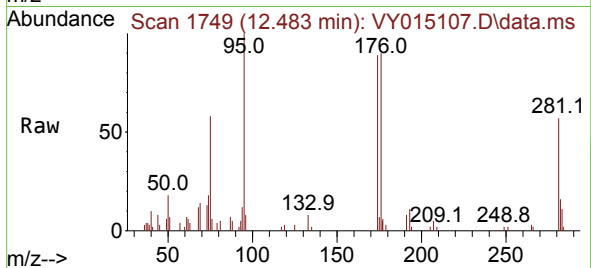




#76
1,2,3-Trichloropropane
Concen: 42.018 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015107.D
Acq: 15 Aug 2023 16:42

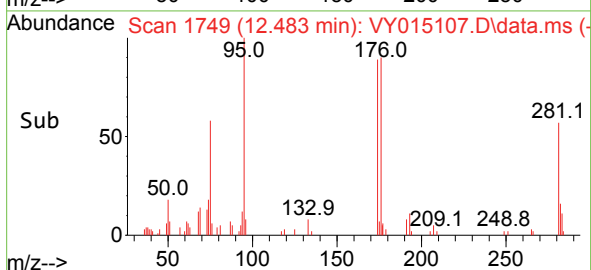
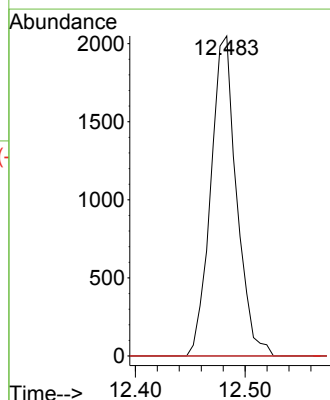
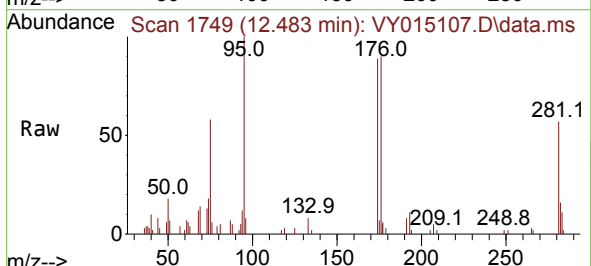
Instrument :
MSVOA_Y
ClientSampleId :

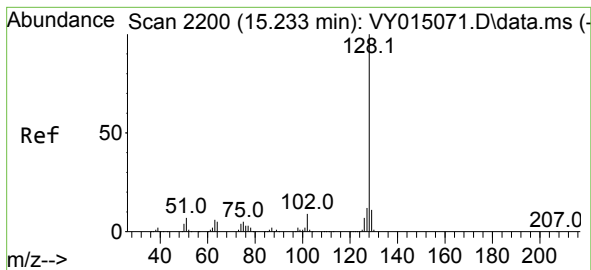
Tgt Ion: 75 Resp: 3358
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 92.292 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015107.D
Acq: 15 Aug 2023 16:42

Tgt Ion: 75 Resp: 3358
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 2.694 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

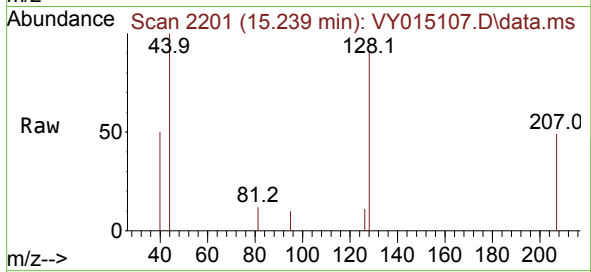
Lab File: VY015107.D

Acq: 15 Aug 2023 16:42

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 823

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.6 13.0#

