

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
 Data File : VY014036.D
 Acq On : 06 Jun 2023 17:22
 Operator : KP/MD
 Sample : 03029-01
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6

Quant Time: Jun 07 01:40:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

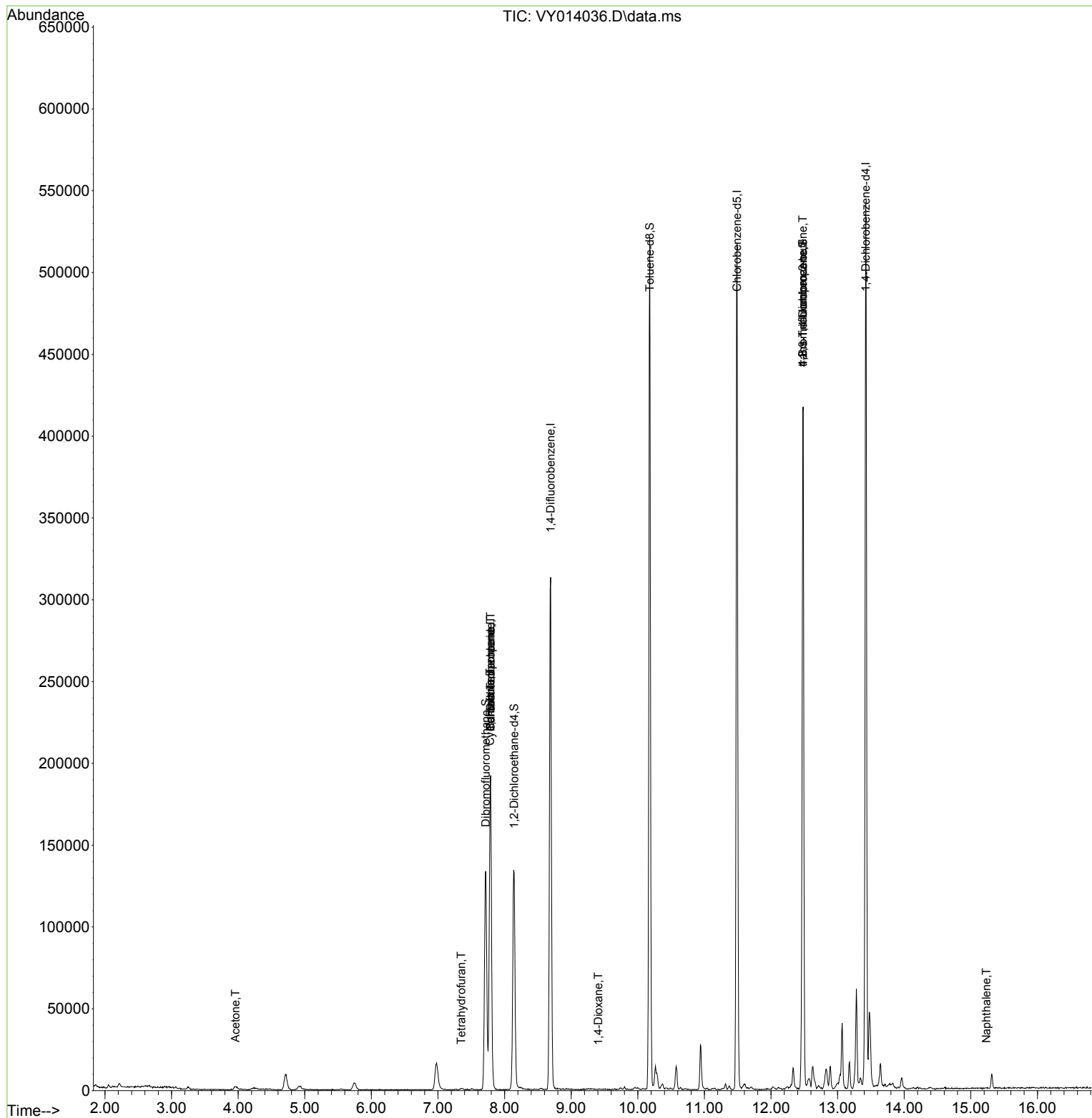
Internal Standards						
1) Pentafluorobenzene	7.789	168	146995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	260104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	276506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	112115	57.617	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 115.240%		
35) Dibromofluoromethane	7.716	113	89207	53.967	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 107.940%		
50) Toluene-d8	10.179	98	325555	51.633	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 103.260%		
62) 4-Bromofluorobenzene	12.477	95	116492	54.193	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 108.380%		
Target Compounds						
16) Acetone	3.960	43	4742	7.123	ug/l	Qvalue 91
20) Methylene Chloride	4.722	84	6445	Below Cal		96
29) Tetrahydrofuran	7.350	42	636	1.233	ug/l #	67
31) Cyclohexane	7.783	56	3630	1.549	ug/l #	43
36) 1,1-Dichloropropene	7.789	75	11662	4.952	ug/l #	51
38) Carbon Tetrachloride	7.789	117	15072	5.711	ug/l #	16
49) 1,4-Dioxane	9.405	88	19	1.089	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	64979	35.080	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64979	74.422	ug/l #	11
95) Naphthalene	15.233	128	312	3.925	ug/l #	69

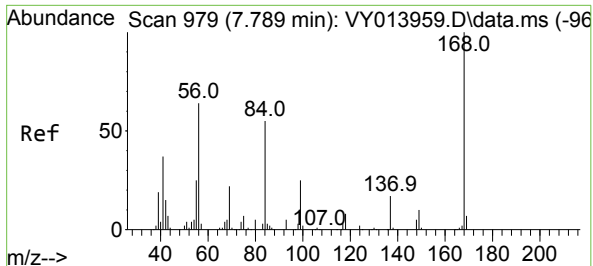
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 02 07:00:14 2023
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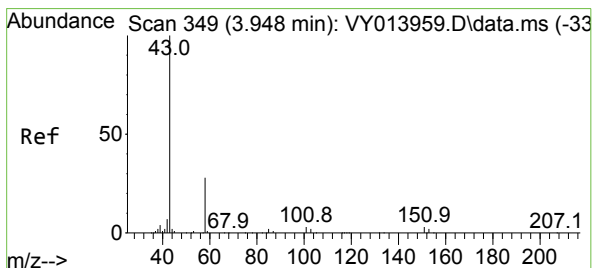
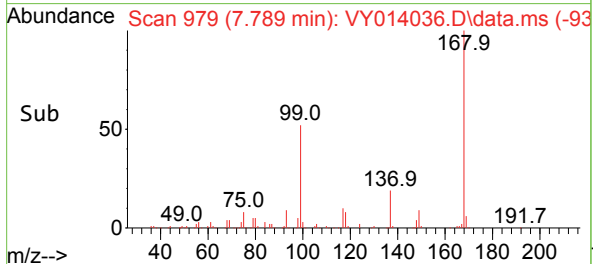
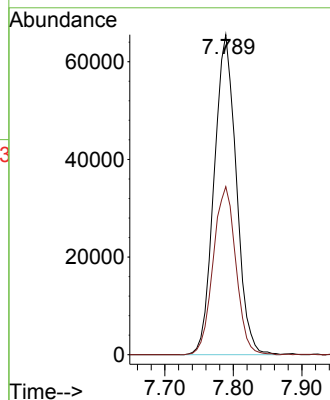
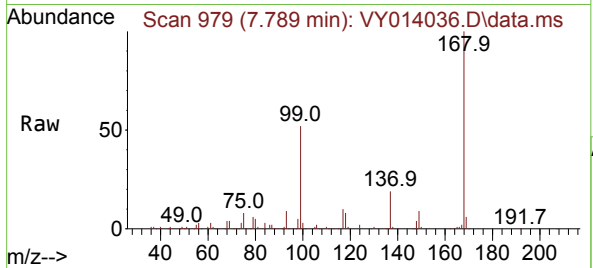




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014036.D
Acq: 06 Jun 2023 17:22

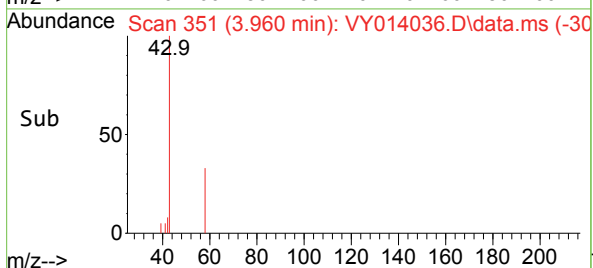
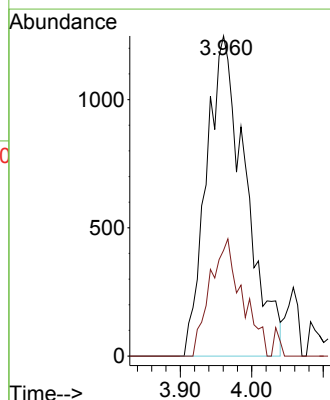
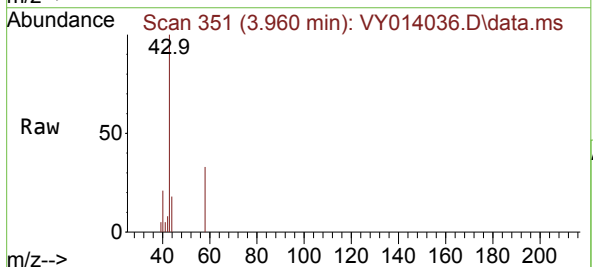
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

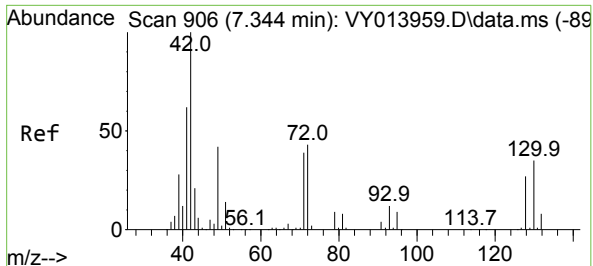
Tgt Ion:168 Resp: 146995
Ion Ratio Lower Upper
168 100
99 52.5 43.4 65.0



#16
Acetone
Concen: 7.123 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY014036.D
Acq: 06 Jun 2023 17:22

Tgt Ion: 43 Resp: 4742
Ion Ratio Lower Upper
43 100
58 33.0 22.7 34.1





#29

Tetrahydrofuran

Concen: 1.233 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014036.D

Acq: 06 Jun 2023 17:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-6

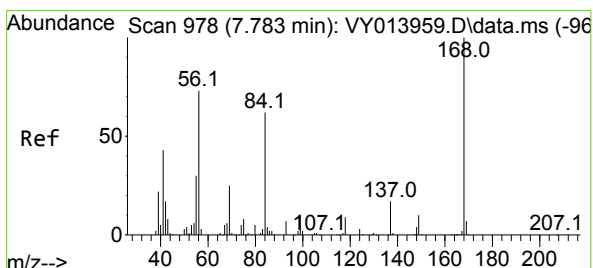
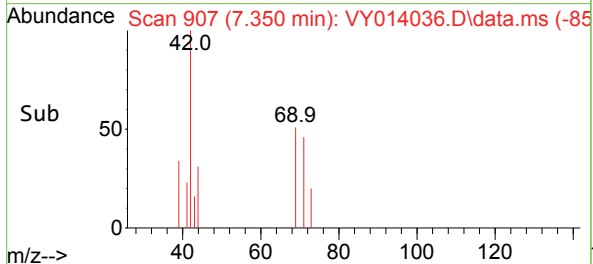
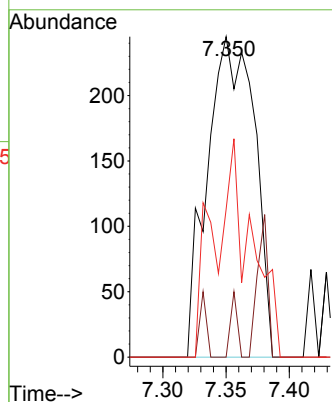
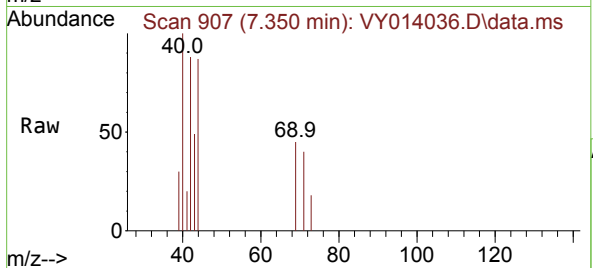
Tgt Ion: 42 Resp: 636

Ion Ratio Lower Upper

42 100

72 2.8 32.8 49.2#

71 37.3 31.0 46.4



#31

Cyclohexane

Concen: 1.549 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY014036.D

Acq: 06 Jun 2023 17:22

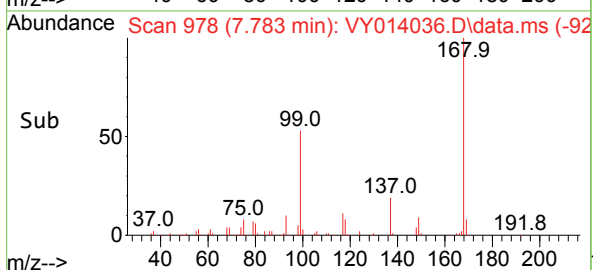
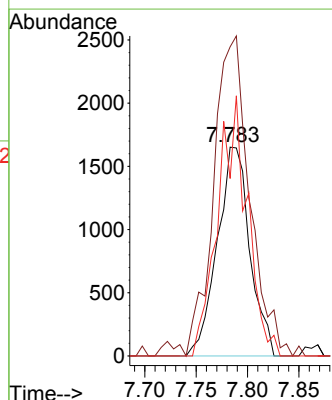
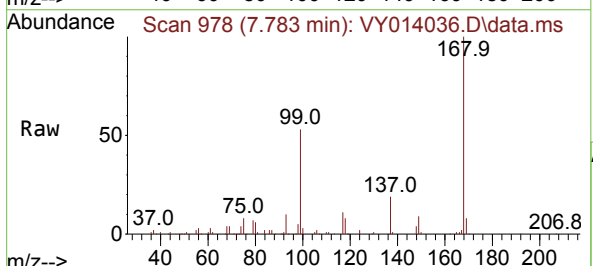
Tgt Ion: 56 Resp: 3630

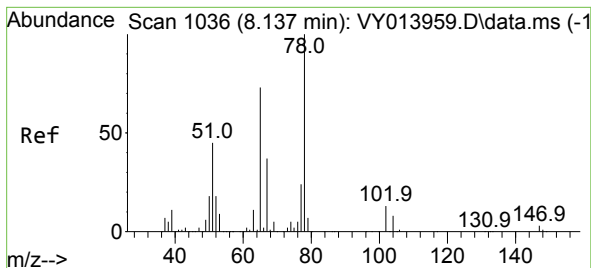
Ion Ratio Lower Upper

56 100

69 144.2 27.8 41.6#

84 85.0 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 57.617 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014036.D

Acq: 06 Jun 2023 17:22

Instrument :

MSVOA_Y

ClientSampleId :

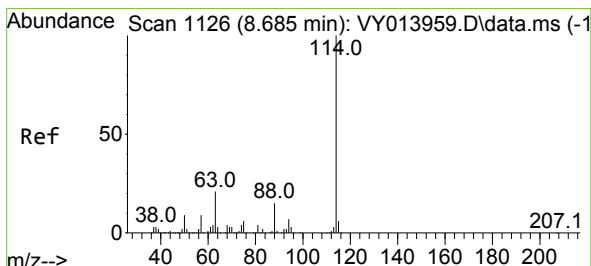
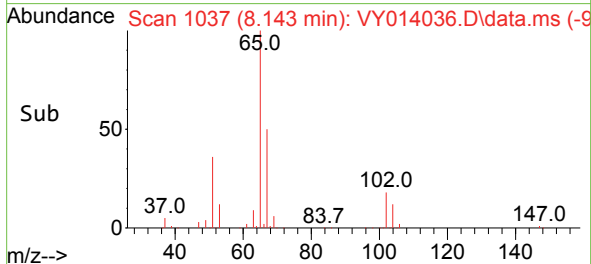
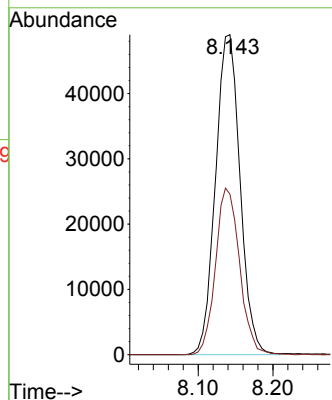
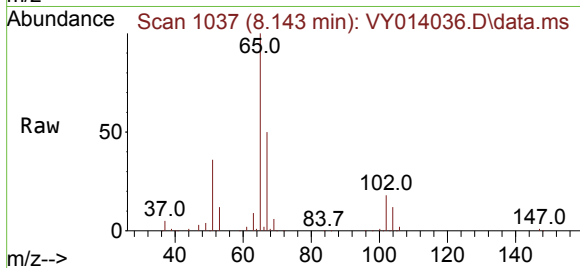
TP-6

Tgt Ion: 65 Resp: 112115

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014036.D

Acq: 06 Jun 2023 17:22

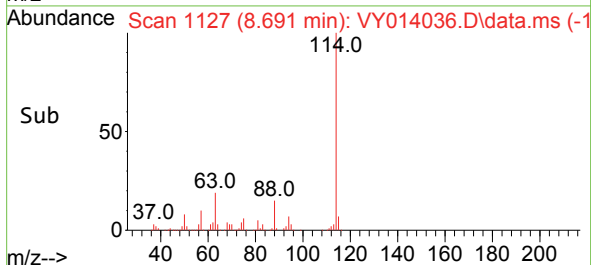
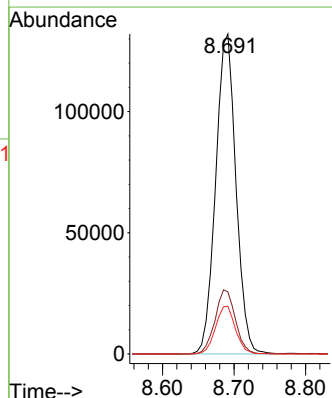
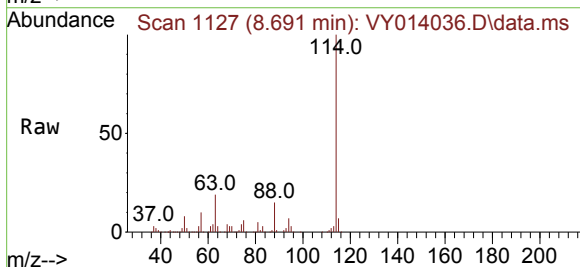
Tgt Ion: 114 Resp: 260104

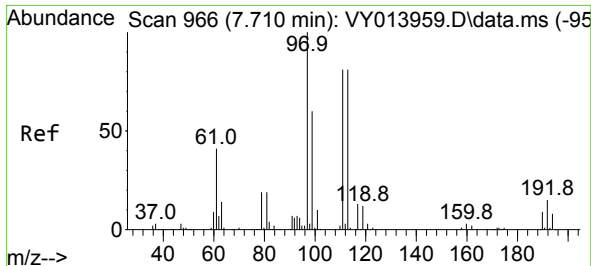
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 14.9 0.0 30.6

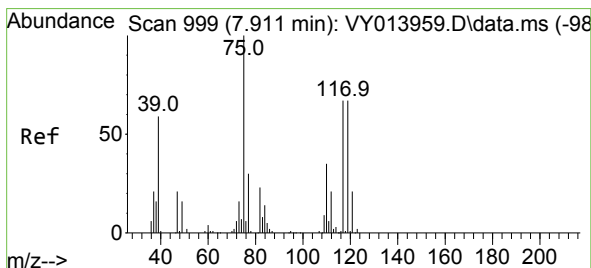
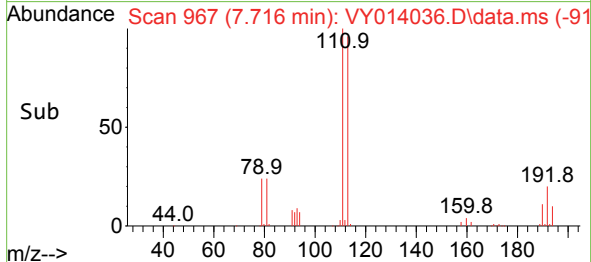
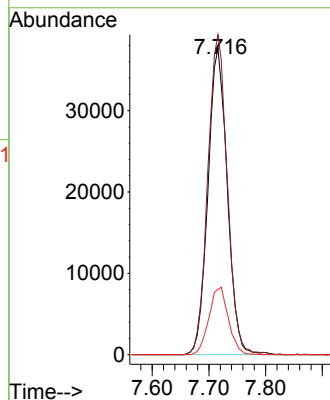
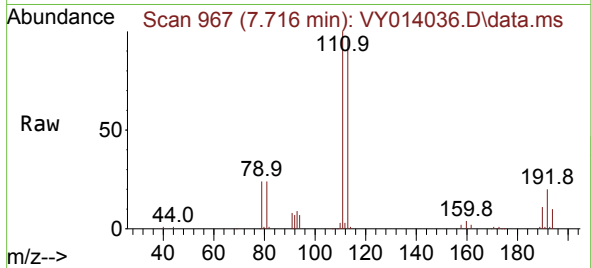




#35
Dibromofluoromethane
Concen: 53.967 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY014036.D
Acq: 06 Jun 2023 17:22

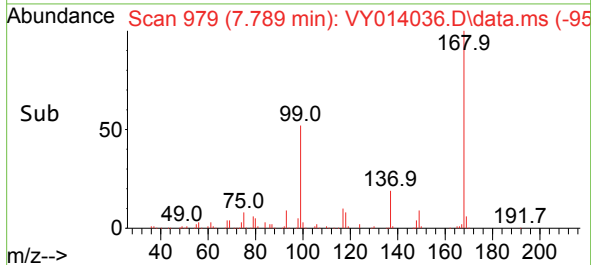
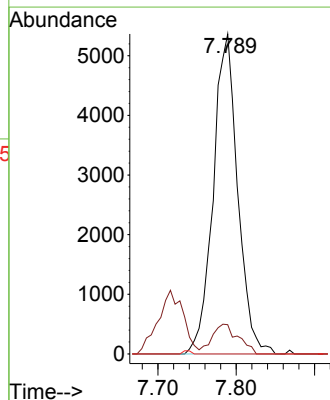
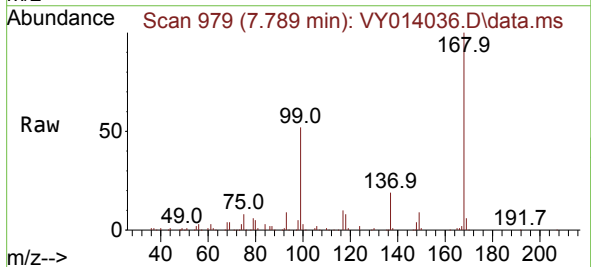
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

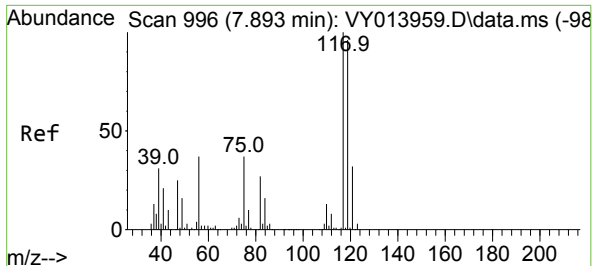
Tgt Ion:113 Resp: 89207
Ion Ratio Lower Upper
113 100
111 105.3 81.3 121.9
192 22.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.952 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014036.D
Acq: 06 Jun 2023 17:22

Tgt Ion: 75 Resp: 11662
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#

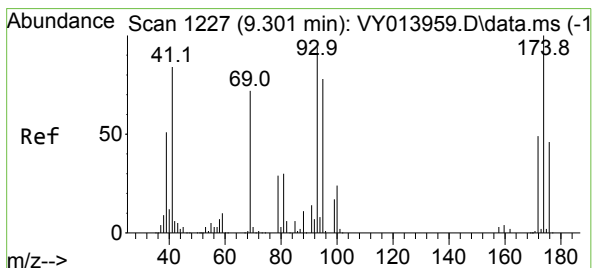
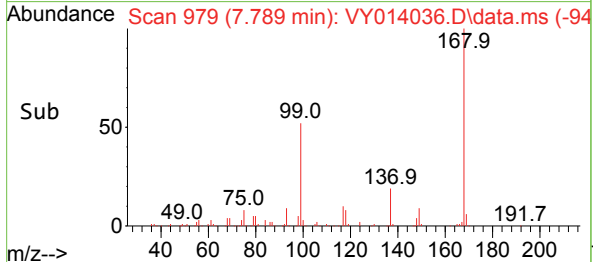
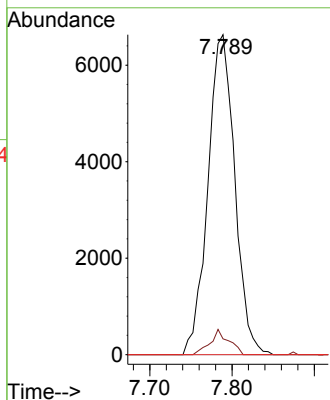
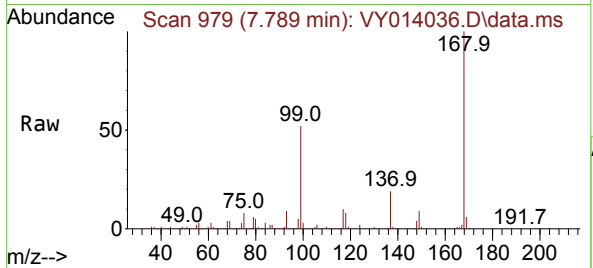




#38
Carbon Tetrachloride
Concen: 5.711 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY014036.D
Acq: 06 Jun 2023 17:22

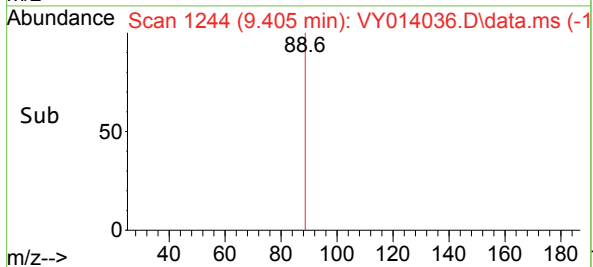
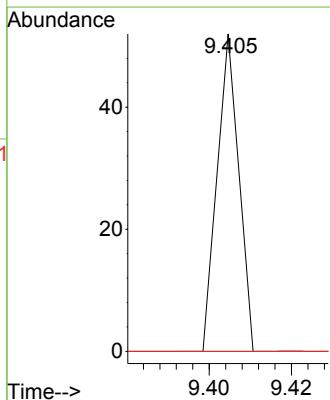
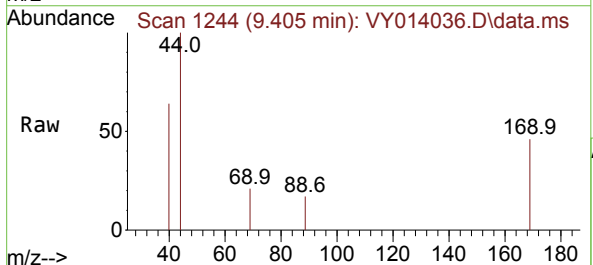
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

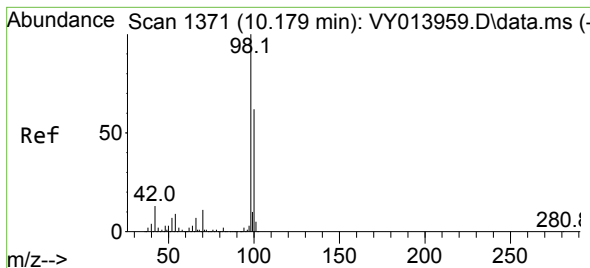
Tgt Ion:117 Resp: 15072
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#49
1,4-Dioxane
Concen: 1.089 ug/l
RT: 9.405 min Scan# 1244
Delta R.T. 0.104 min
Lab File: VY014036.D
Acq: 06 Jun 2023 17:22

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 30.9 46.3#





#50

Toluene-d8

Concen: 51.633 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014036.D

Acq: 06 Jun 2023 17:22

Instrument :

MSVOA_Y

ClientSampleId :

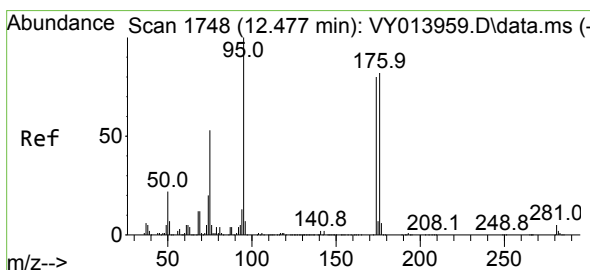
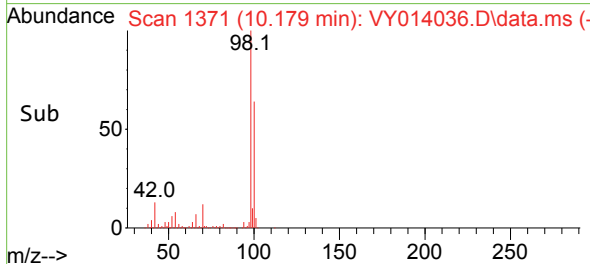
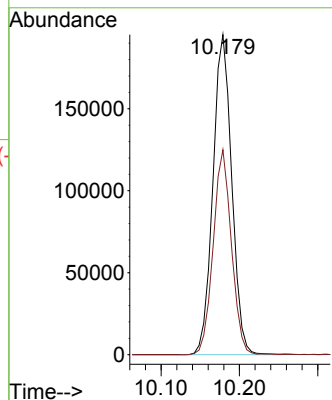
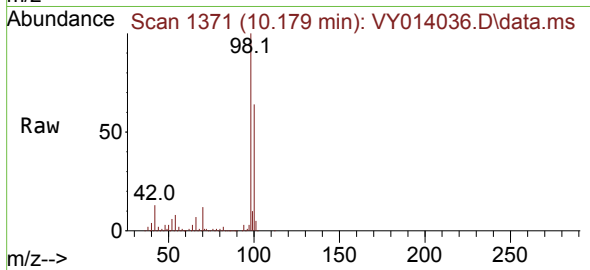
TP-6

Tgt Ion: 98 Resp: 325555

Ion Ratio Lower Upper

98 100

100 62.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 54.193 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY014036.D

Acq: 06 Jun 2023 17:22

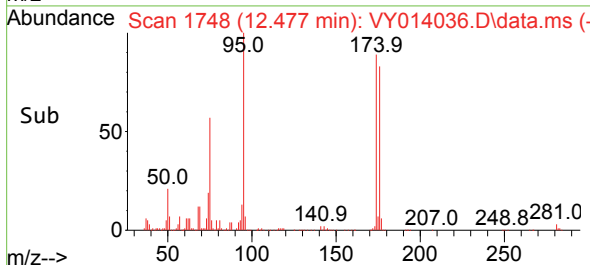
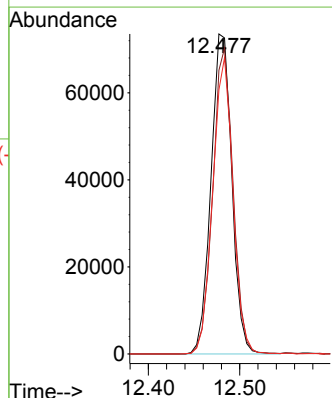
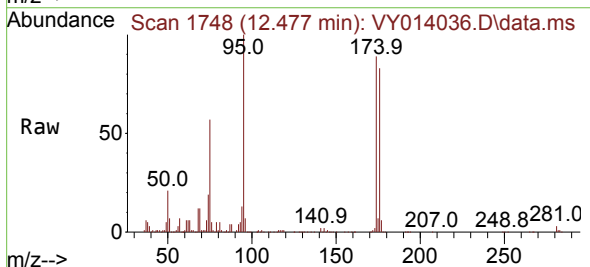
Tgt Ion: 95 Resp: 116492

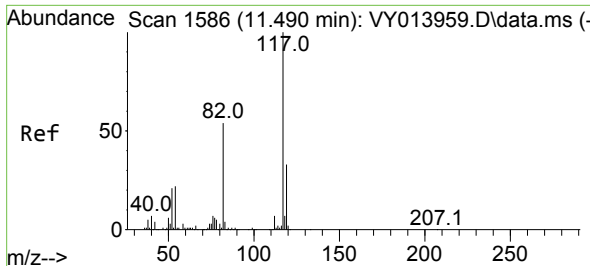
Ion Ratio Lower Upper

95 100

174 93.1 0.0 178.2

176 90.1 0.0 173.8

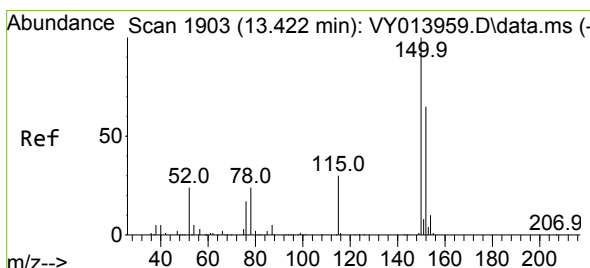
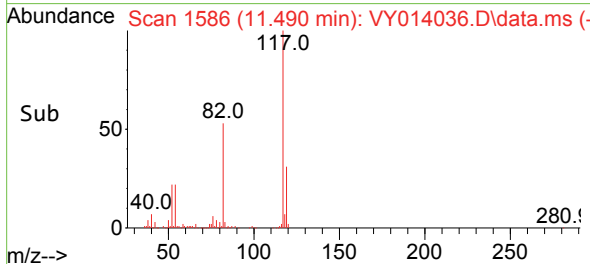
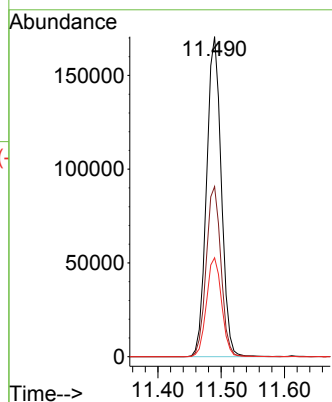
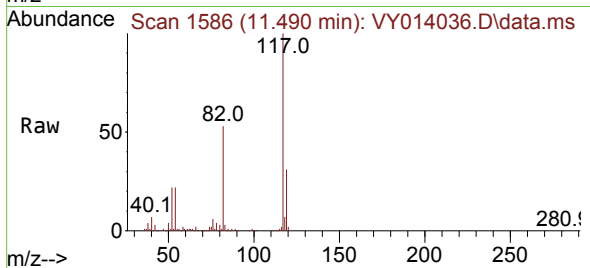




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014036.D
Acq: 06 Jun 2023 17:22

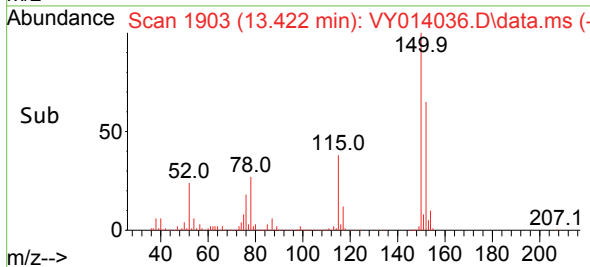
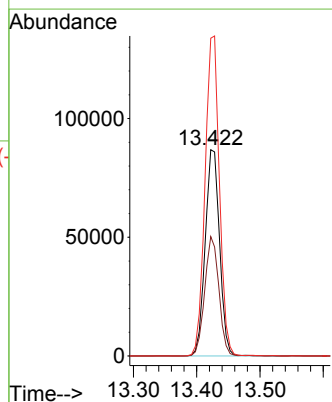
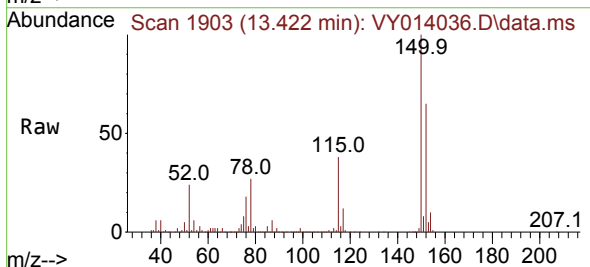
Instrument :
MSVOA_Y
ClientSampleId :
TP-6

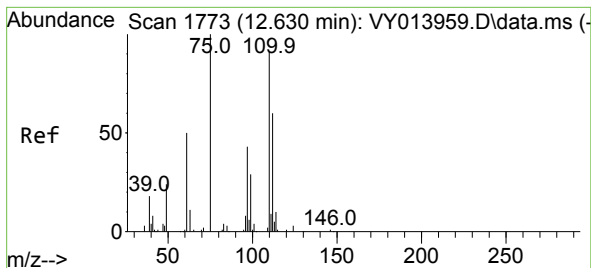
Tgt Ion:117 Resp: 276506
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 30.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014036.D
Acq: 06 Jun 2023 17:22

Tgt Ion:152 Resp: 137648
Ion Ratio Lower Upper
152 100
115 57.1 28.8 86.5
150 154.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 35.080 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY014036.D

Acq: 06 Jun 2023 17:22

Instrument :

MSVOA_Y

ClientSampleId :

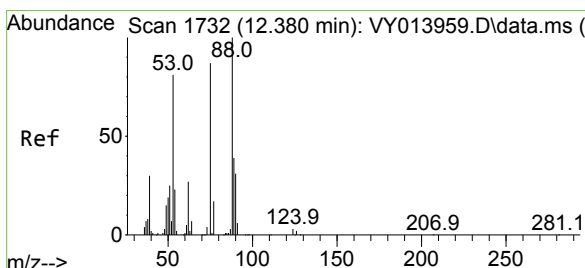
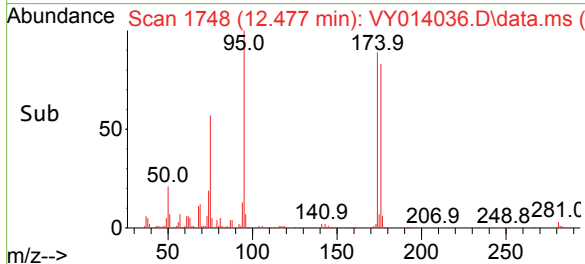
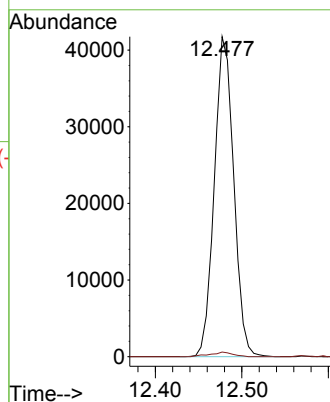
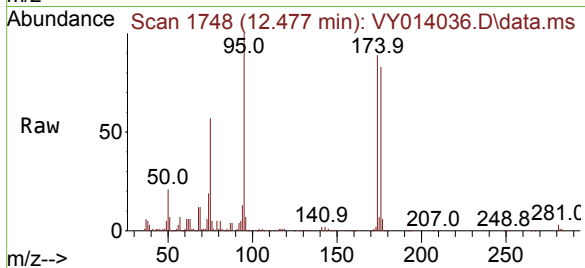
TP-6

Tgt Ion: 75 Resp: 64979

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.422 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY014036.D

Acq: 06 Jun 2023 17:22

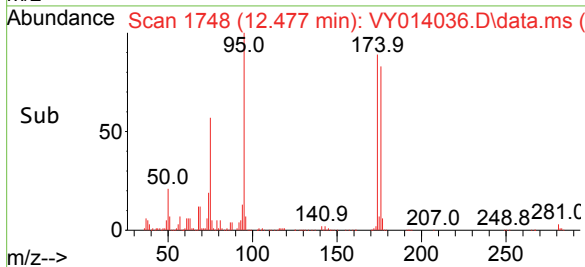
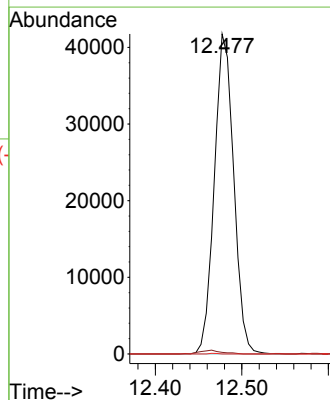
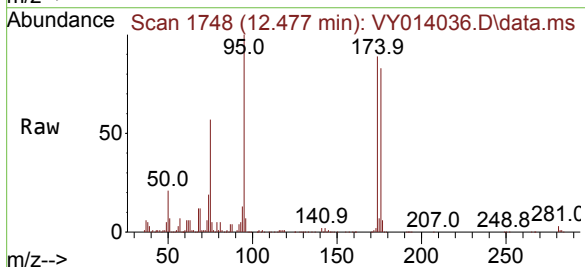
Tgt Ion: 75 Resp: 64979

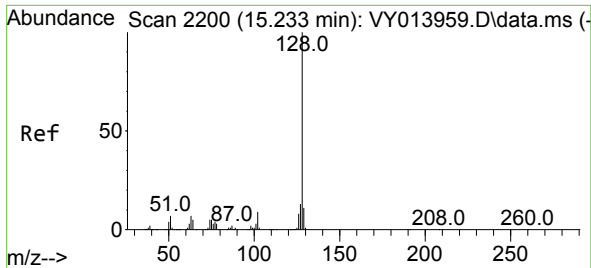
Ion Ratio Lower Upper

75 100

53 1.3 77.8 116.8#

89 0.1 37.4 56.0#





#95

Naphthalene

Concen: 3.925 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014036.D

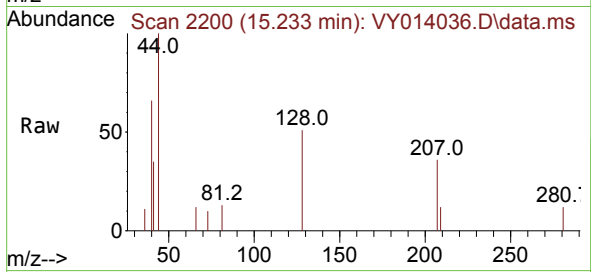
Acq: 06 Jun 2023 17:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-6



Tgt Ion:	128	Resp:	312
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.6	13.0#

