

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013968.D
 Acq On : 01 Jun 2023 16:52
 Operator : KP/MD
 Sample : 02983-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB18

Quant Time: Jun 02 07:27:54 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)

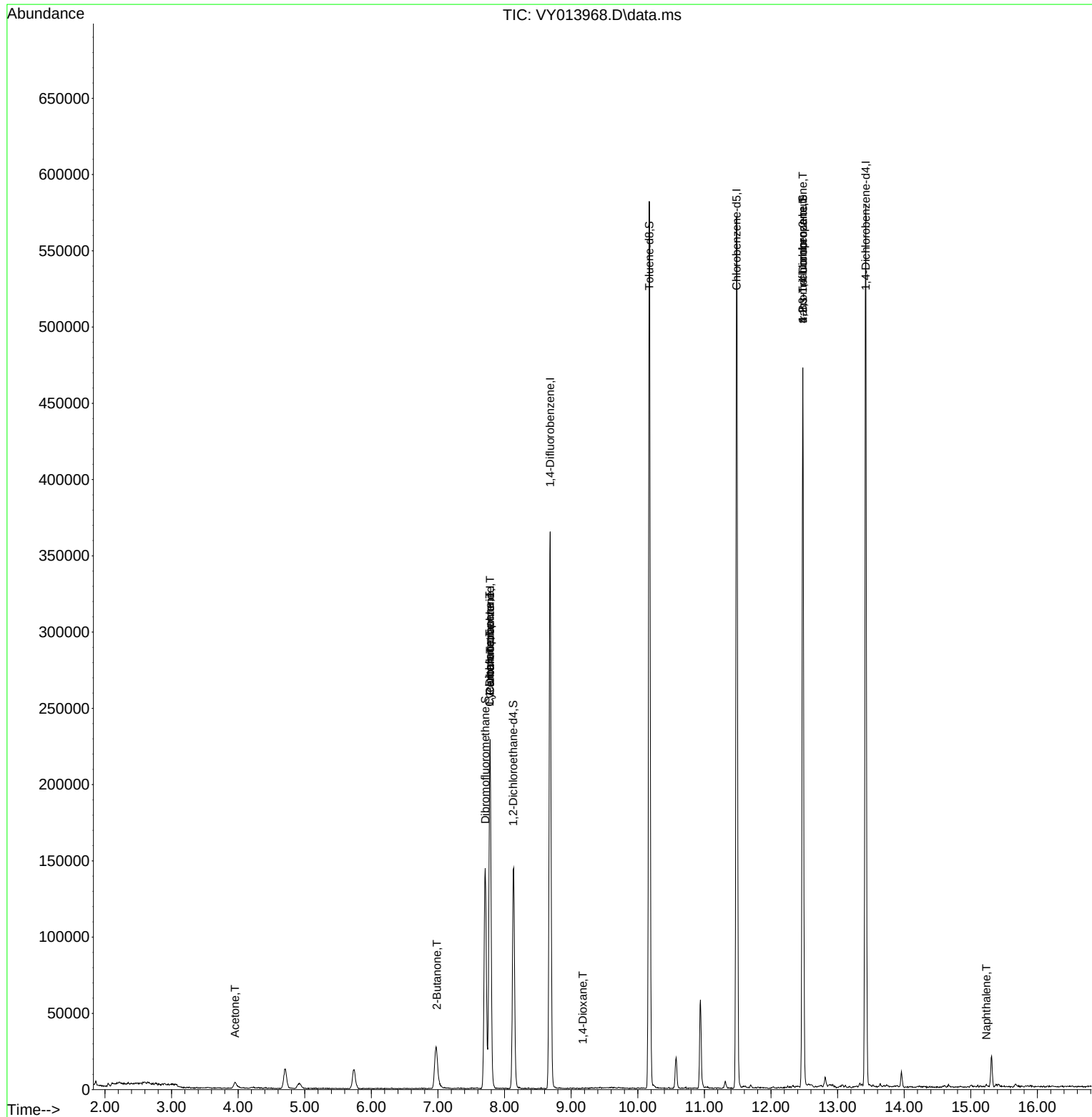
Internal Standards						
1) Pentafluorobenzene	7.783	168	173502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	301047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	297566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	119960	52.230	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.460%	
35) Dibromofluoromethane	7.710	113	100364	52.459	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.920%	
50) Toluene-d8	10.173	98	368786	50.535	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.060%	
62) 4-Bromofluorobenzene	12.477	95	129322	51.980	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.960%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	8774	11.166	ug/l	97
25) 2-Butanone	6.984	43	2024	2.068	ug/l	91
31) Cyclohexane	7.777	56	3969	1.435	ug/l #	30
36) 1,1-Dichloropropene	7.777	75	13584	4.984	ug/l #	50
38) Carbon Tetrachloride	7.783	117	16873	5.524	ug/l #	15
49) 1,4-Dioxane	9.173	88	31	1.535	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	69366	36.056	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69366	76.492	ug/l #	11
95) Naphthalene	15.233	128	1552	4.095	ug/l #	79

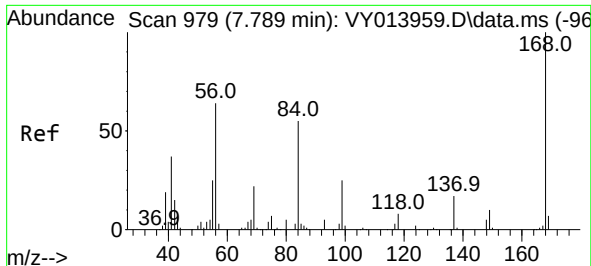
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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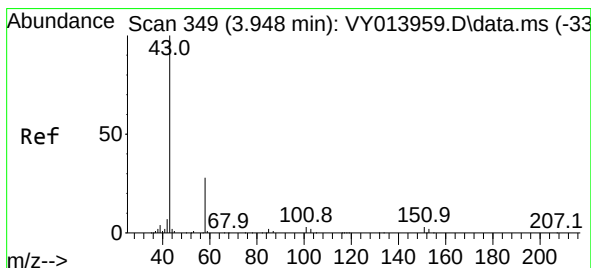
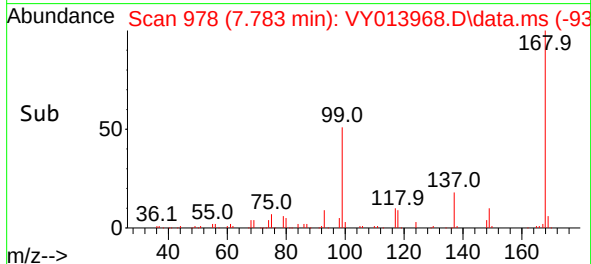
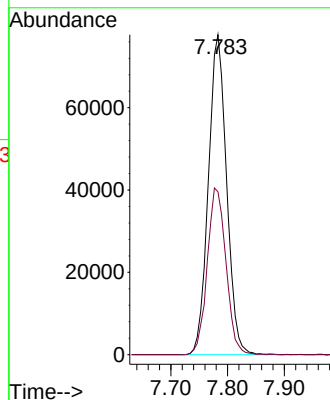
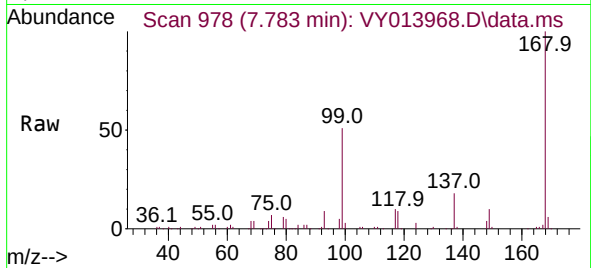




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013968.D
Acq: 01 Jun 2023 16:52

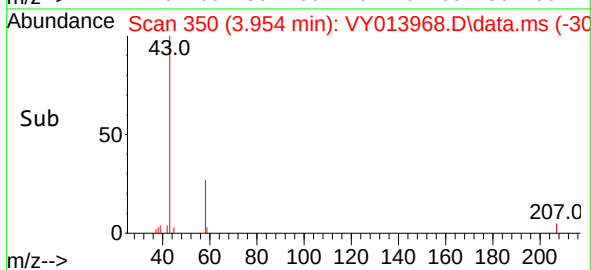
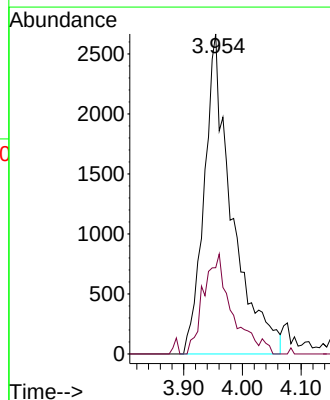
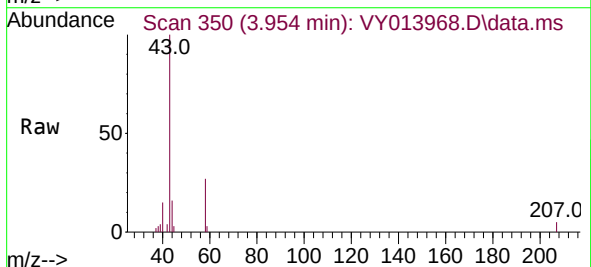
Instrument :
MSVOA_Y
ClientSampleId :
SB18

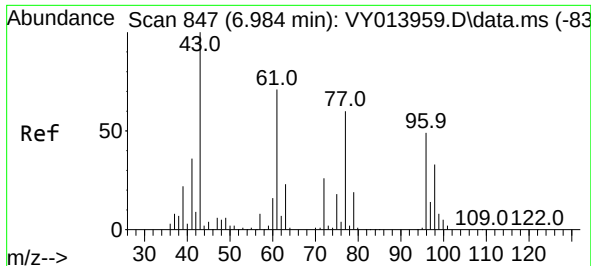
Tgt Ion:168 Resp: 173502
Ion Ratio Lower Upper
168 100
99 50.9 43.4 65.0



#16
Acetone
Concen: 11.166 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013968.D
Acq: 01 Jun 2023 16:52

Tgt Ion: 43 Resp: 8774
Ion Ratio Lower Upper
43 100
58 27.0 22.7 34.1





#25

2-Butanone

Concen: 2.068 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013968.D

Acq: 01 Jun 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

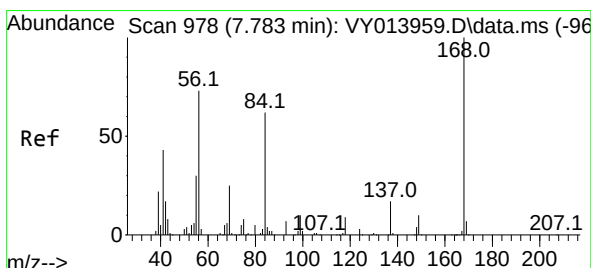
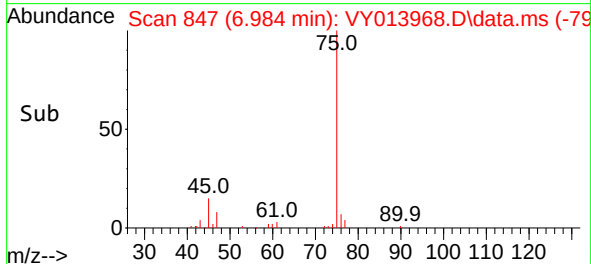
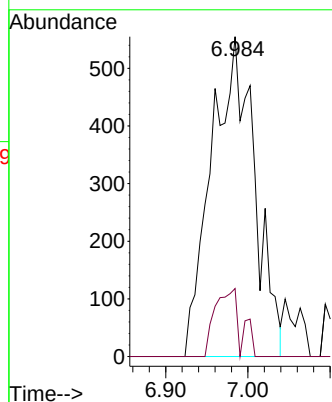
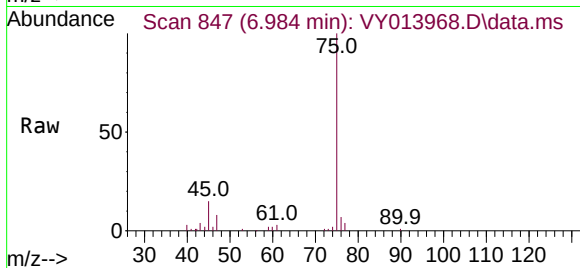
SB18

Tgt Ion: 43 Resp: 2024

Ion Ratio Lower Upper

43 100

72 21.3 20.5 30.7



#31

Cyclohexane

Concen: 1.435 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY013968.D

Acq: 01 Jun 2023 16:52

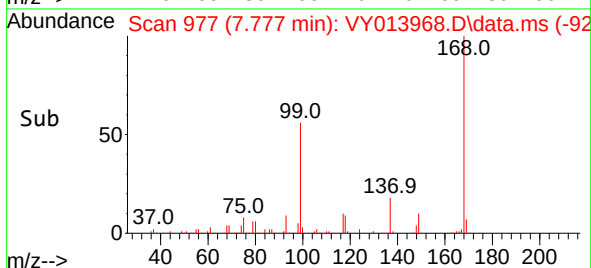
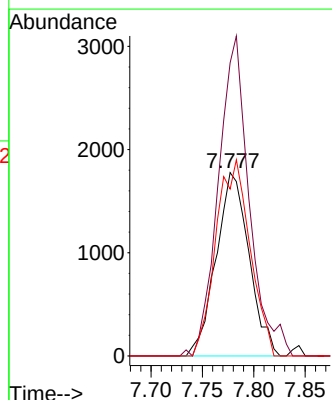
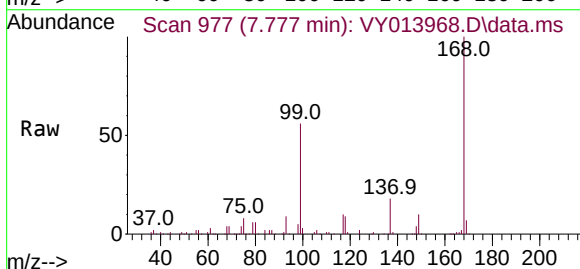
Tgt Ion: 56 Resp: 3969

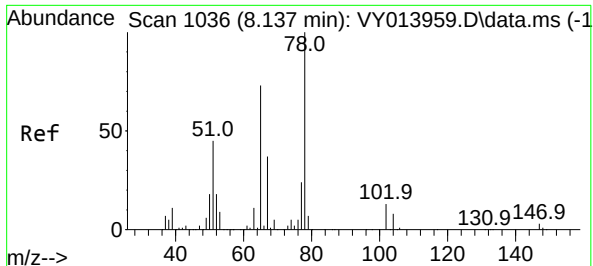
Ion Ratio Lower Upper

56 100

69 159.9 27.8 41.6#

84 91.0 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 52.230 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY013968.D

Acq: 01 Jun 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

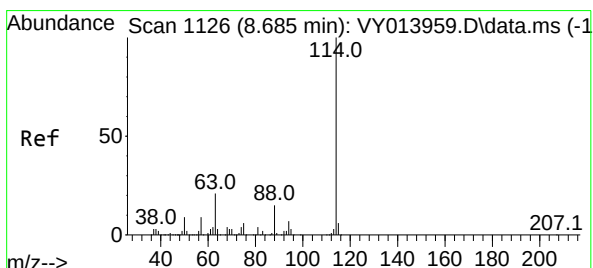
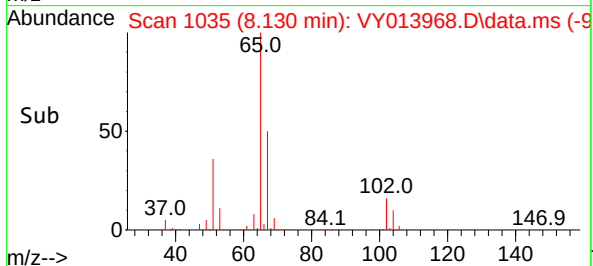
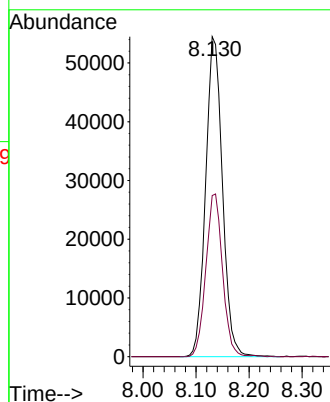
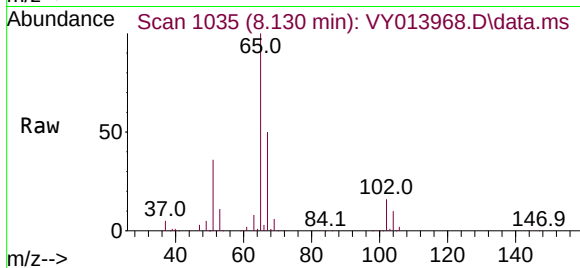
SB18

Tgt Ion: 65 Resp: 119960

Ion Ratio Lower Upper

65 100

67 50.5 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: VY013968.D

Acq: 01 Jun 2023 16:52

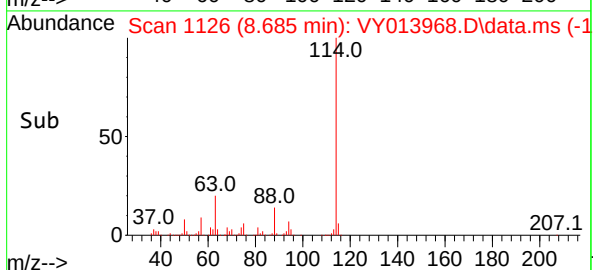
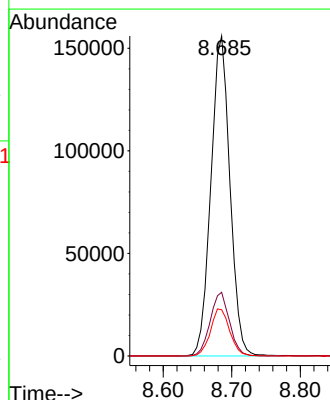
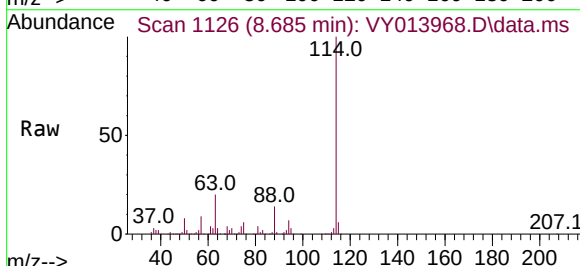
Tgt Ion: 114 Resp: 301047

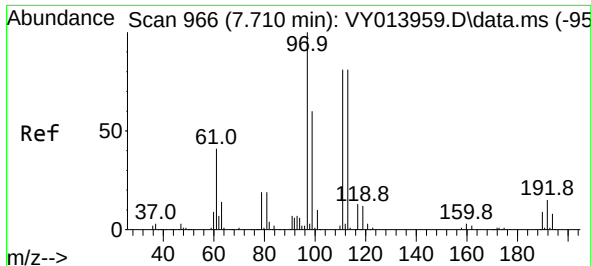
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 14.5 0.0 30.6

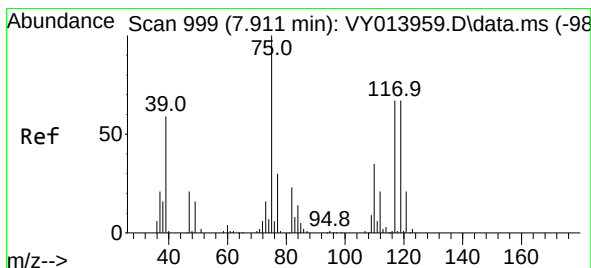
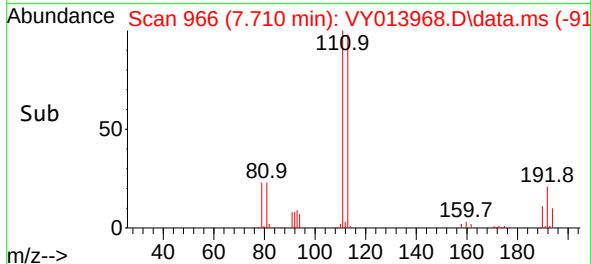
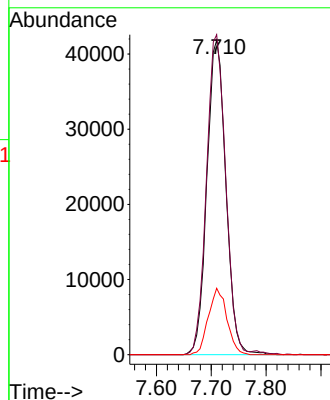
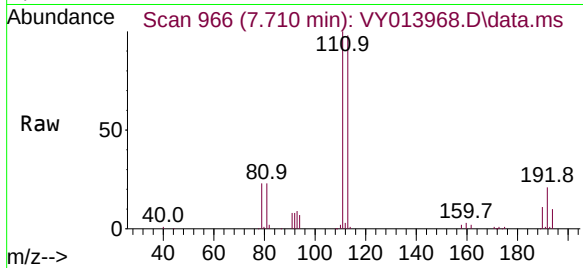




#35
Dibromofluoromethane
Concen: 52.459 ug/l
RT: 7.710 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY013968.D
Acq: 01 Jun 2023 16:52

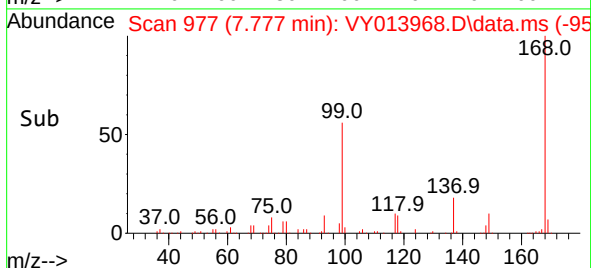
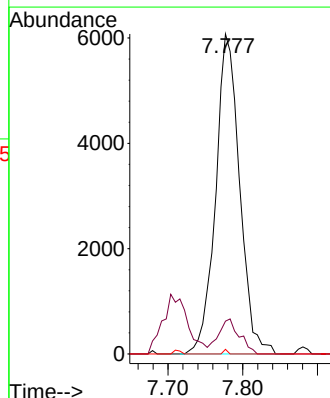
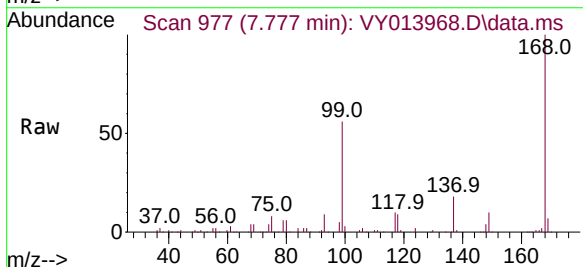
Instrument :
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ClientSampleId :
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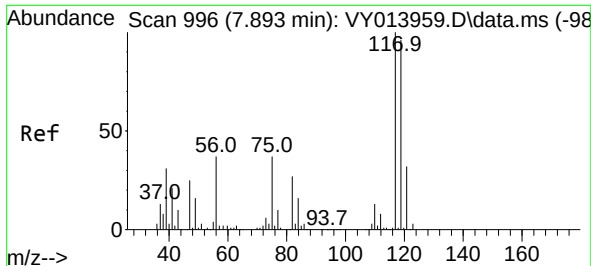
Tgt Ion:113 Resp: 100364
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 20.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.984 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY013968.D
Acq: 01 Jun 2023 16:52

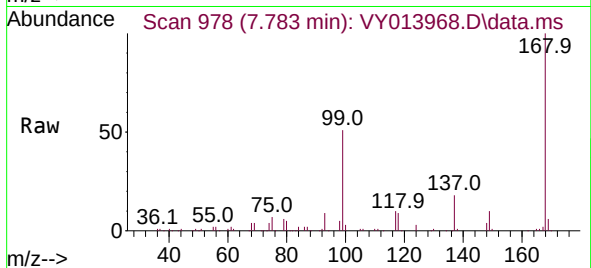
Tgt Ion: 75 Resp: 13584
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.2 24.4 36.6#



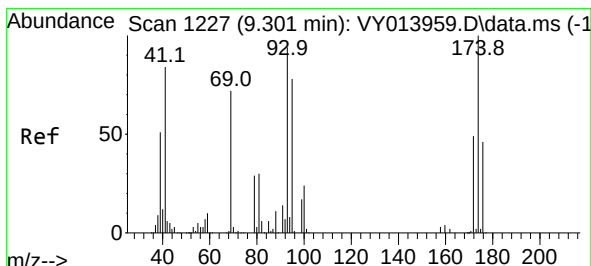
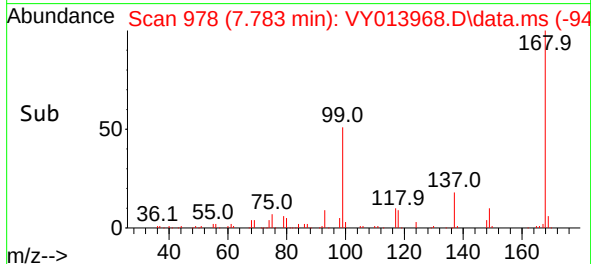
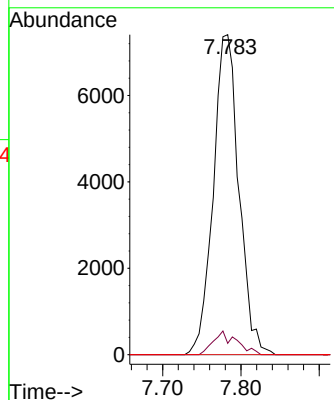


#38
Carbon Tetrachloride
Concen: 5.524 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013968.D
Acq: 01 Jun 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :
SB18

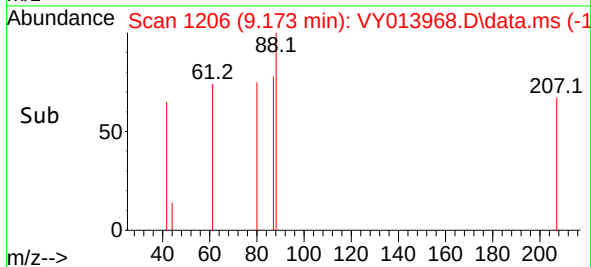
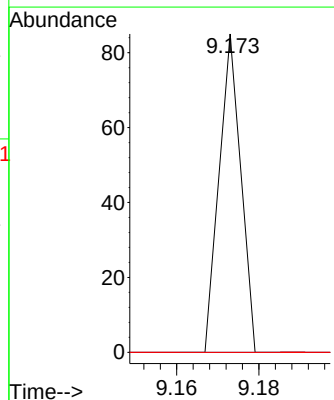
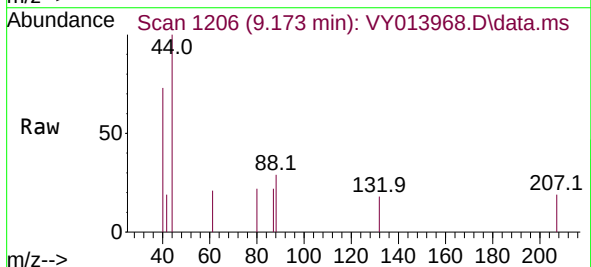


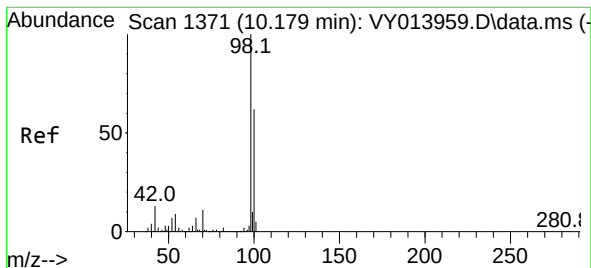
Tgt Ion:117 Resp: 16873
Ion Ratio Lower Upper
117 100
119 3.6 76.4 114.6#
121 0.0 25.8 38.6#



#49
1,4-Dioxane
Concen: 1.535 ug/l
RT: 9.173 min Scan# 1206
Delta R.T. -0.128 min
Lab File: VY013968.D
Acq: 01 Jun 2023 16:52

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 30.9 46.3#





#50

Toluene-d8

Concen: 50.535 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013968.D

Acq: 01 Jun 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

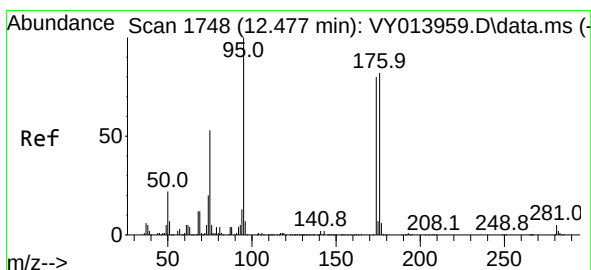
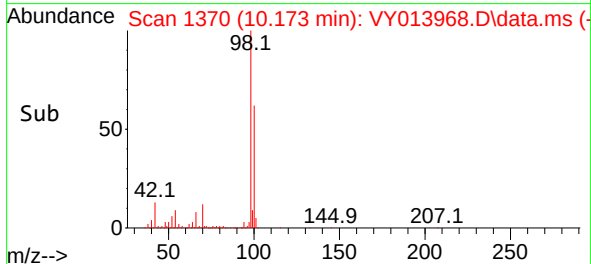
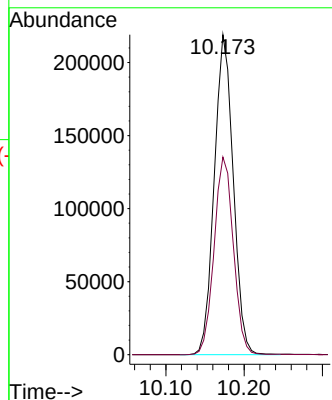
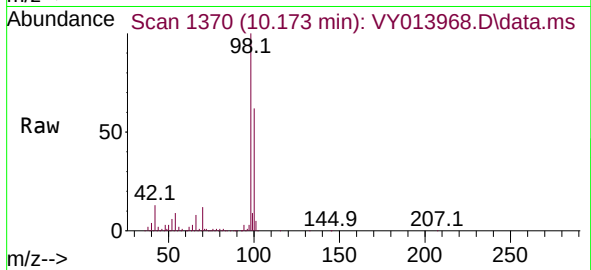
SB18

Tgt Ion: 98 Resp: 368786

Ion Ratio Lower Upper

98 100

100 62.7 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 51.980 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013968.D

Acq: 01 Jun 2023 16:52

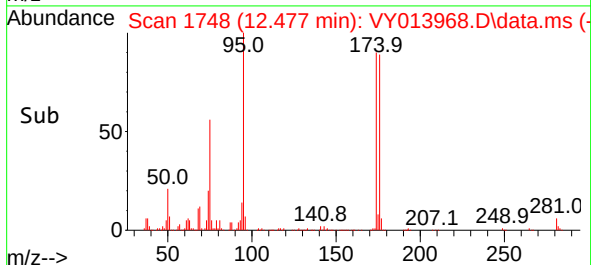
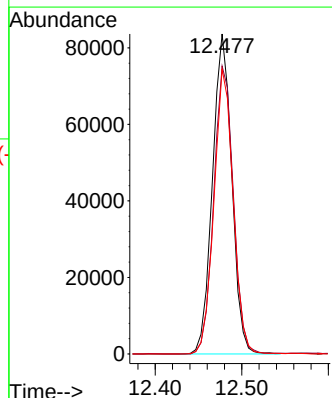
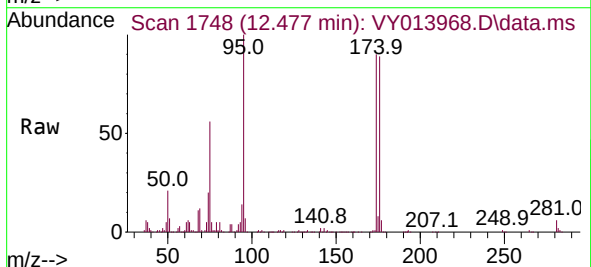
Tgt Ion: 95 Resp: 129322

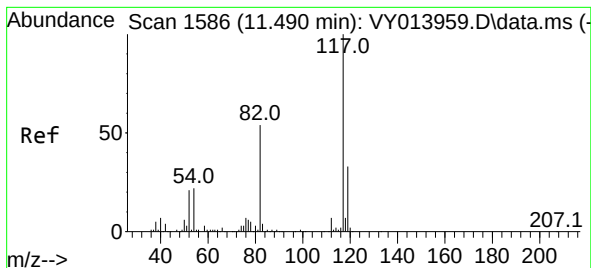
Ion Ratio Lower Upper

95 100

174 91.4 0.0 178.2

176 88.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.484 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013968.D

Acq: 01 Jun 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

SB18

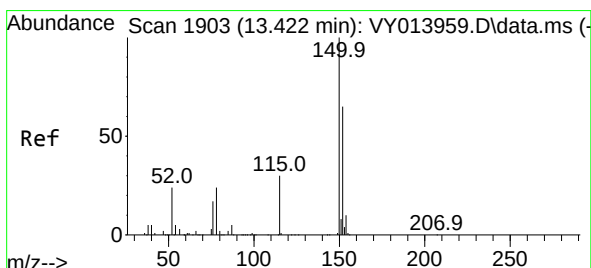
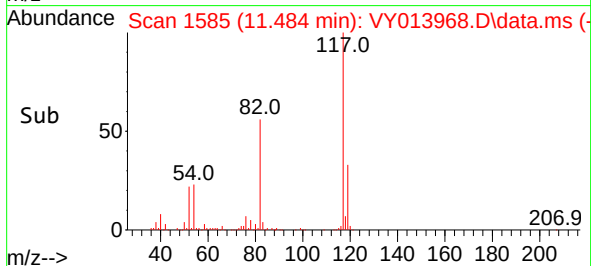
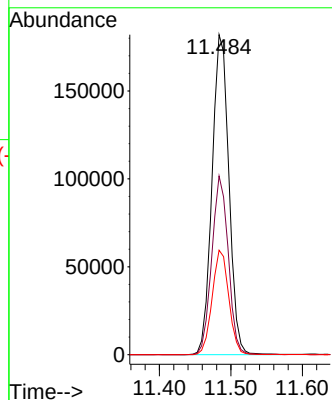
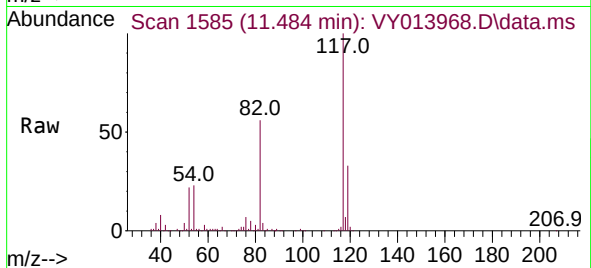
Tgt Ion:117 Resp: 297566

Ion Ratio Lower Upper

117 100

82 55.8 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: VY013968.D

Acq: 01 Jun 2023 16:52

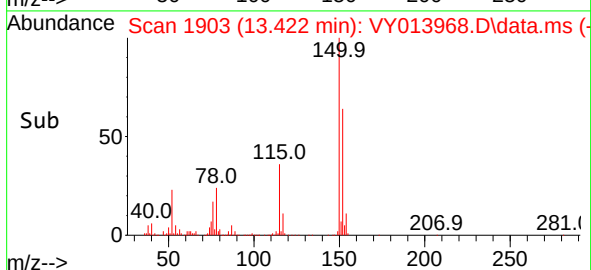
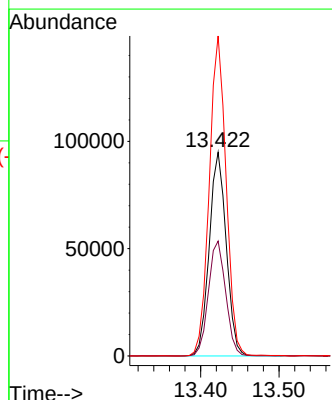
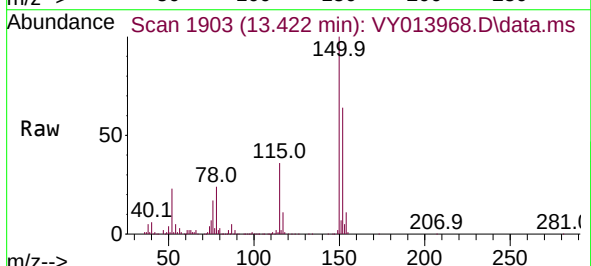
Tgt Ion:152 Resp: 142964

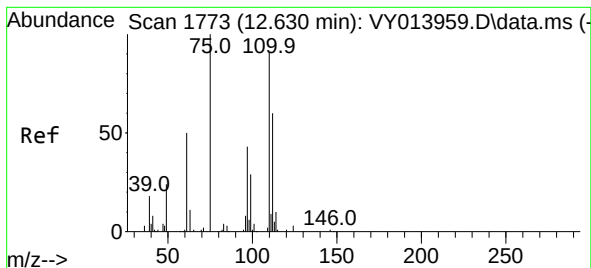
Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 155.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 36.056 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013968.D

Acq: 01 Jun 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

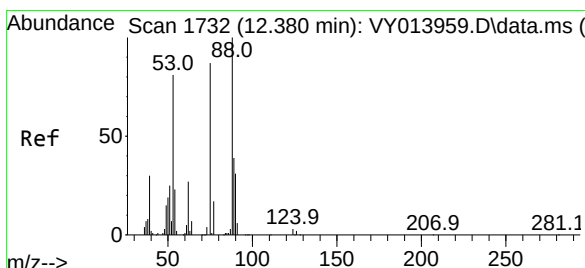
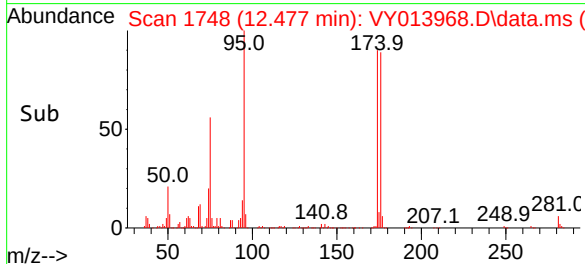
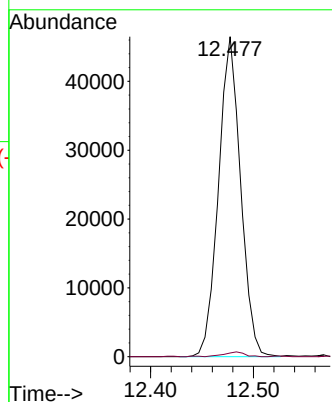
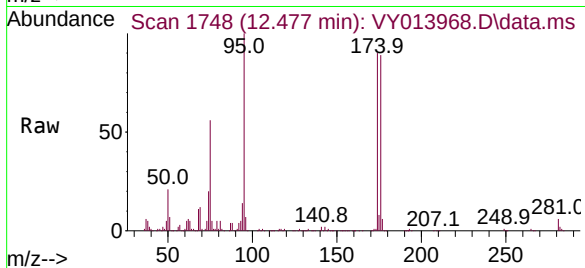
SB18

Tgt Ion: 75 Resp: 69366

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.492 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY013968.D

Acq: 01 Jun 2023 16:52

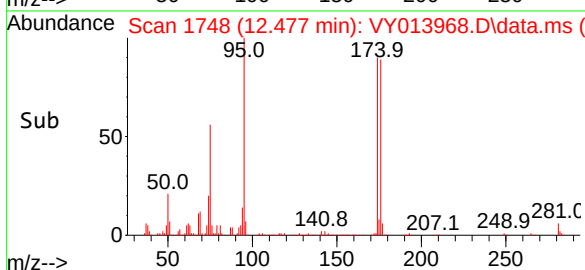
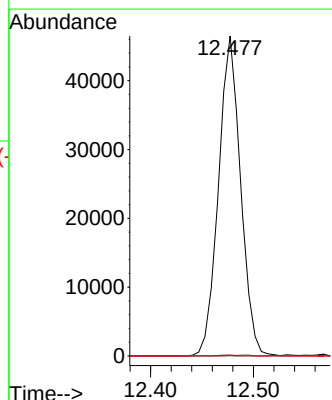
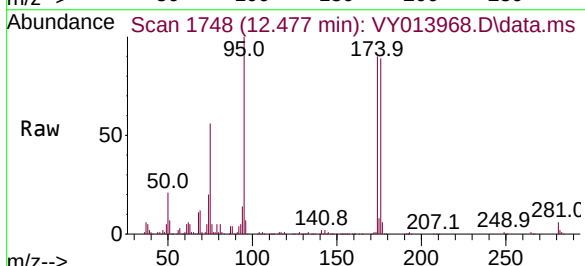
Tgt Ion: 75 Resp: 69366

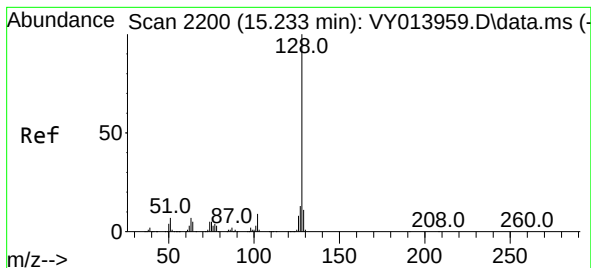
Ion Ratio Lower Upper

75 100

53 0.3 77.8 116.8#

89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 4.095 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY013968.D

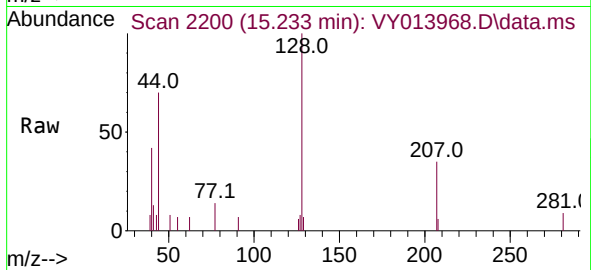
Acq: 01 Jun 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

SB18



Tgt Ion:128 Resp: 1552

Ion Ratio Lower Upper

128 100

127 4.1 10.8 16.2#

129 3.9 8.6 13.0#

