

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082322\
 Data File : VY010183.D
 Acq On : 23 Aug 2022 22:16
 Operator : KP/MD
 Sample : N4188-25RE
 Misc : 10.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S6

Quant Time: Aug 24 04:36:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	170610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	319304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	324197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	150796	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	99915	71.498	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	143.000%
35) Dibromofluoromethane	7.710	113	91504	50.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.720%
50) Toluene-d8	10.179	98	332607	49.335	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.477	95	106997	44.419	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.840%

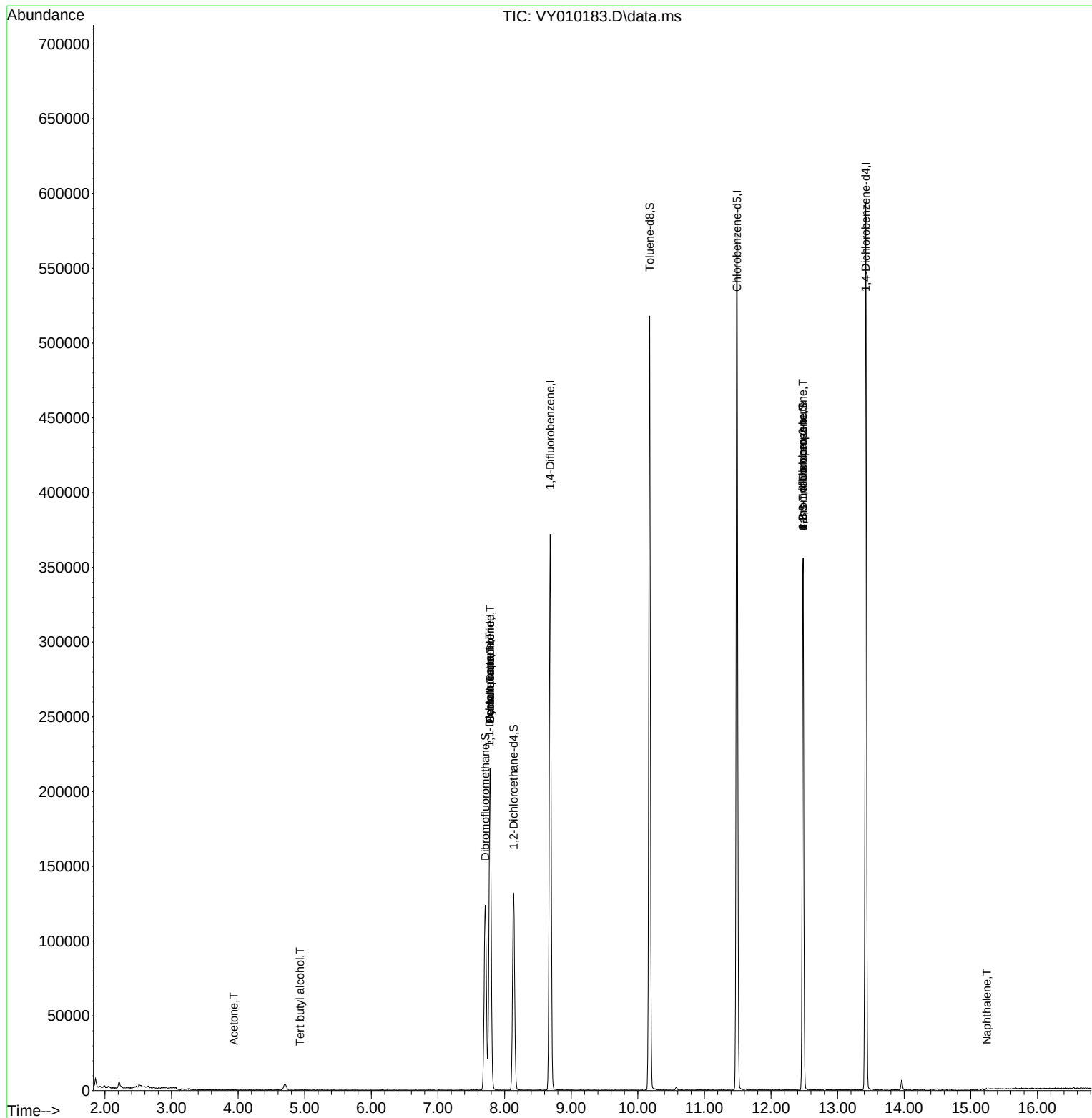
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.930	59	228	11.962	ug/l #	73
16) Acetone	3.936	43	497	1.421	ug/l #	40
20) Methylene Chloride	4.698	84	3032	Below Cal	#	84
31) Cyclohexane	7.783	56	3286	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	12945	4.507	ug/l #	48
38) Carbon Tetrachloride	7.783	117	16151	5.362	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	53511	37.891	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53511	76.104	ug/l #	18
95) Naphthalene	15.239	128	94	3.901	ug/l #	69

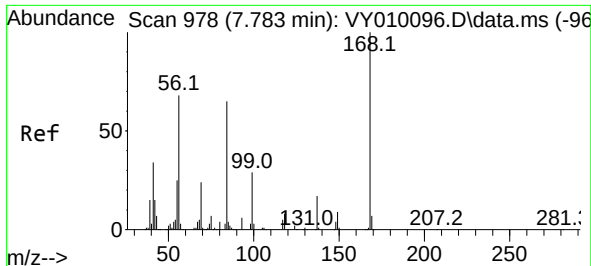
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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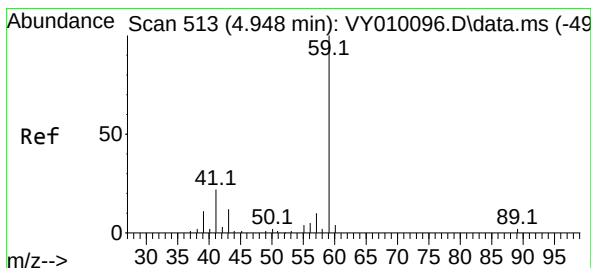
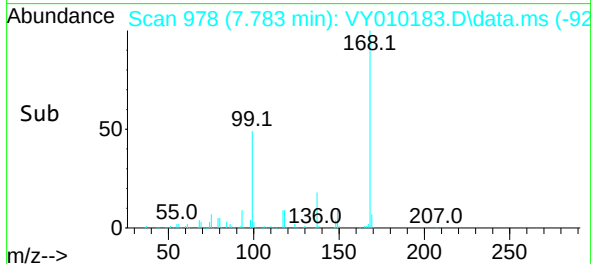
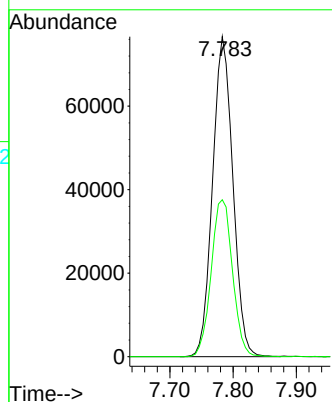
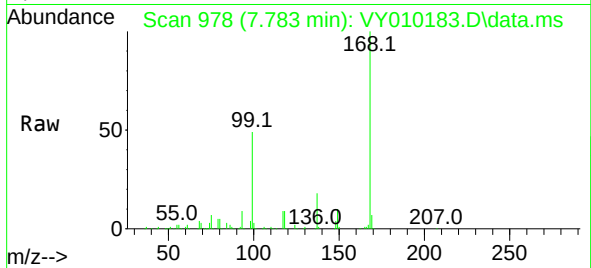




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010183.D
Acq: 23 Aug 2022 22:16

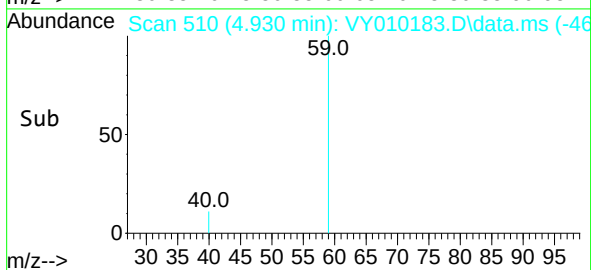
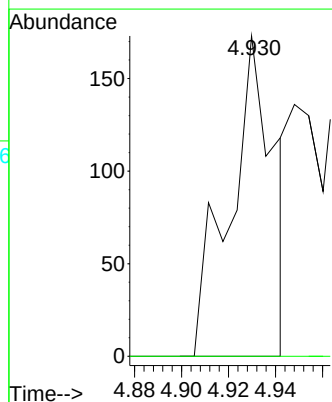
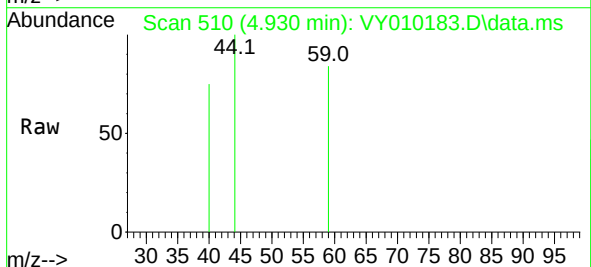
Instrument :
MSVOA_Y
ClientSampleId :
S6

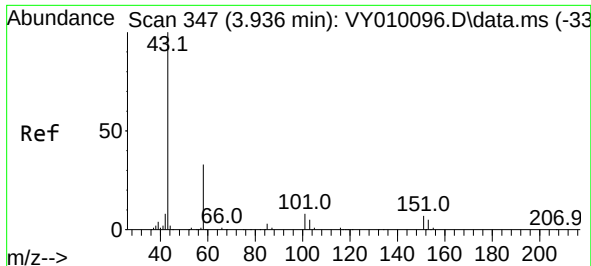
Tgt Ion:168 Resp: 170610
Ion Ratio Lower Upper
168 100
99 49.1 40.7 61.1



#11
Tert butyl alcohol
Concen: 11.962 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY010183.D
Acq: 23 Aug 2022 22:16

Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 1.421 ug/l

RT: 3.936 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY010183.D

Acq: 23 Aug 2022 22:16

Instrument :

MSVOA_Y

ClientSampleId :

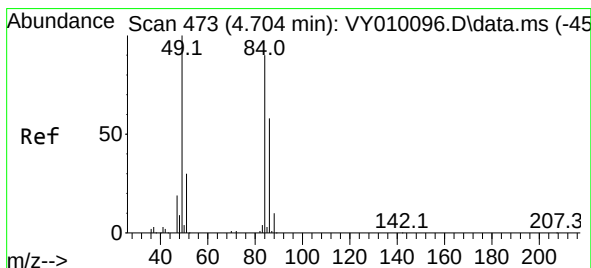
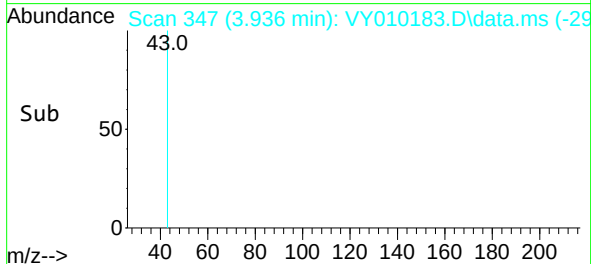
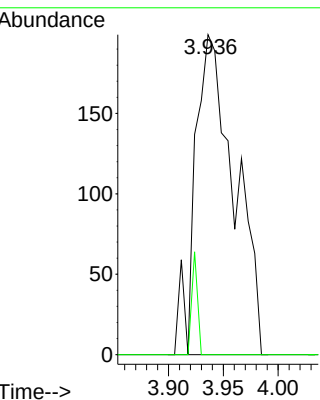
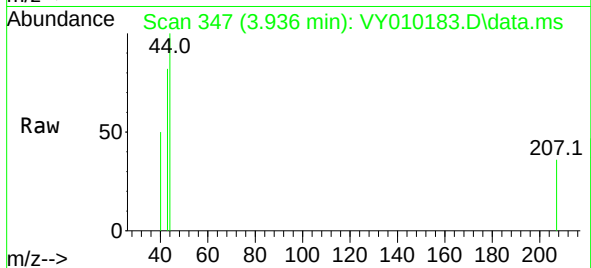
S6

Tgt Ion: 43 Resp: 497

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY010183.D

Acq: 23 Aug 2022 22:16

Tgt Ion: 84 Resp: 3032

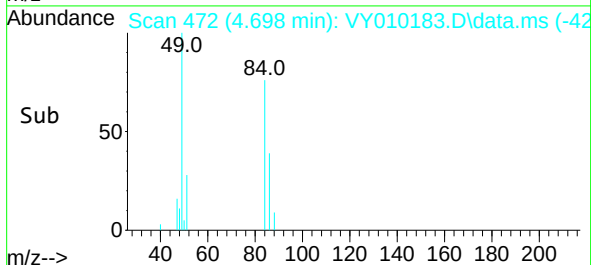
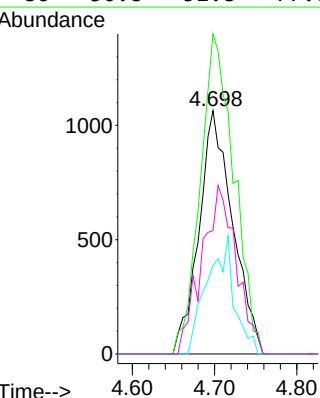
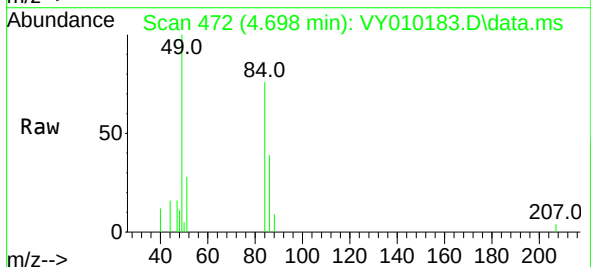
Ion Ratio Lower Upper

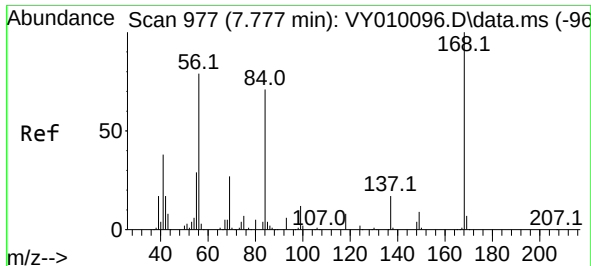
84 100

49 131.6 89.0 133.4

51 36.5 27.0 40.6

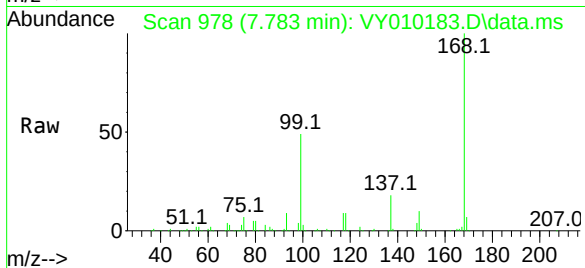
86 50.8 51.8 77.6#



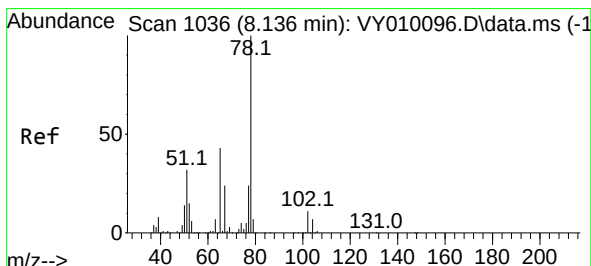
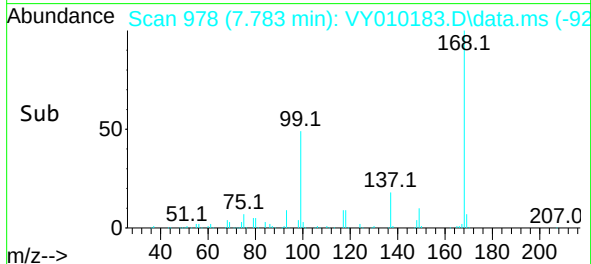
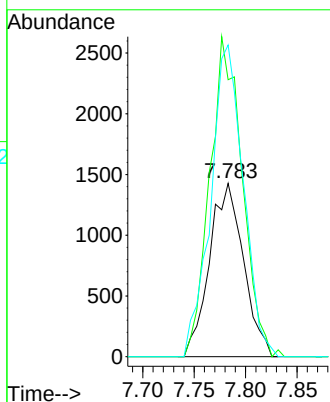


#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010183.D
Acq: 23 Aug 2022 22:16

Instrument :
MSVOA_Y
ClientSampleId :
S6

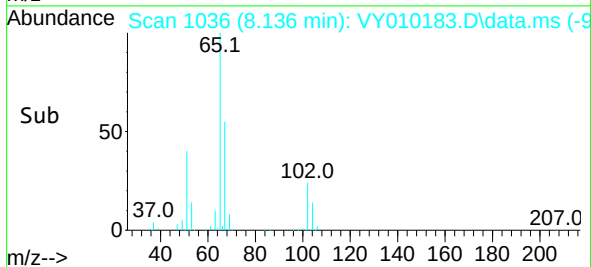
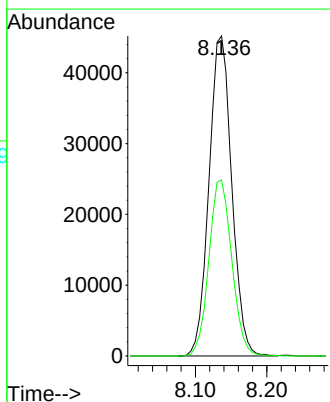
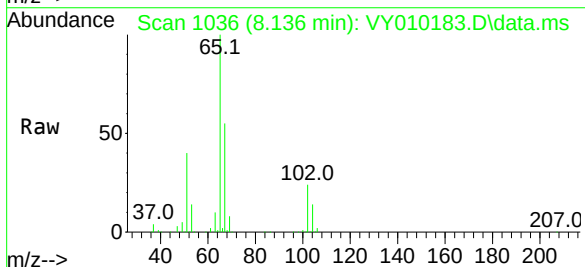


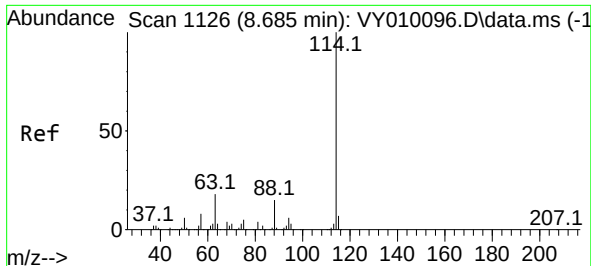
Tgt Ion: 56 Resp: 3286
Ion Ratio Lower Upper
56 100
69 159.8 27.3 40.9#
84 179.8 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 71.498 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010183.D
Acq: 23 Aug 2022 22:16

Tgt Ion: 65 Resp: 99915
Ion Ratio Lower Upper
65 100
67 55.4 0.0 110.6

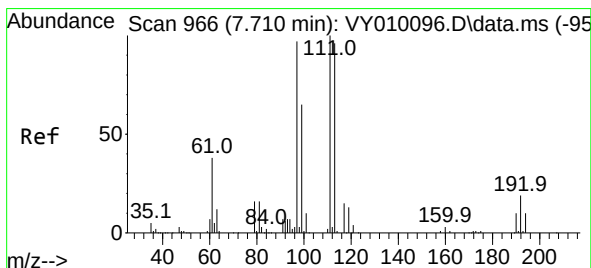
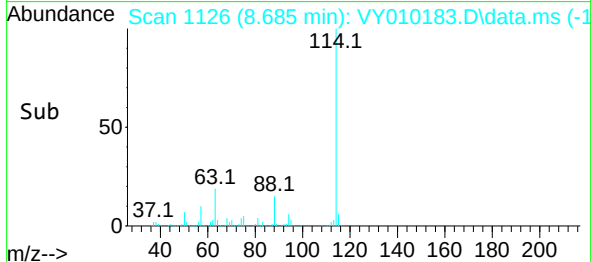
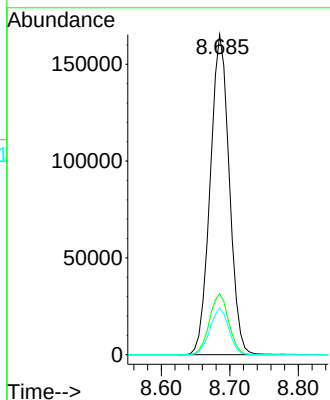
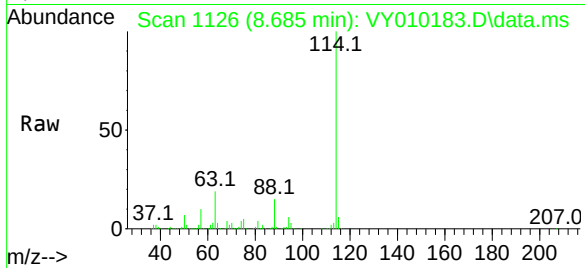




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010183.D
Acq: 23 Aug 2022 22:16

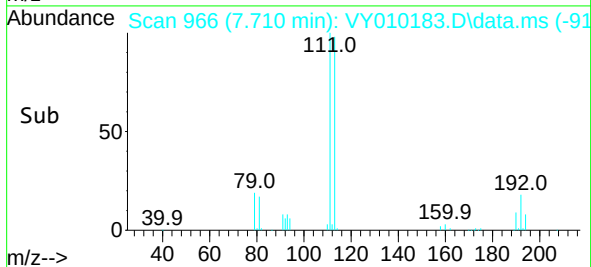
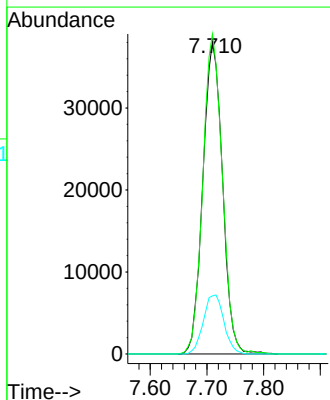
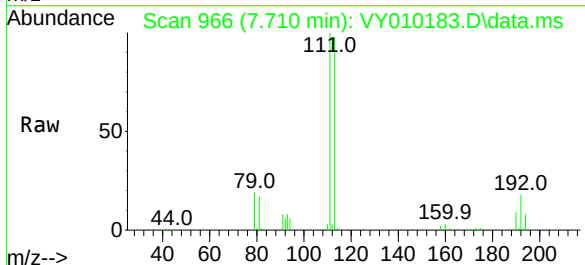
Instrument :
MSVOA_Y
ClientSampleId :
S6

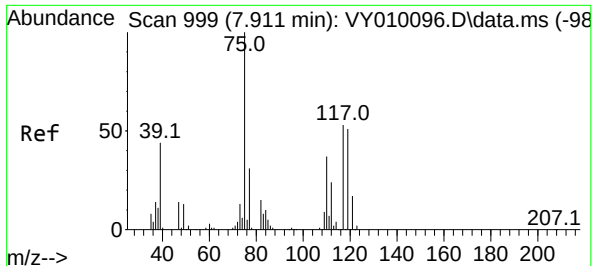
Tgt Ion:114 Resp: 319304
Ion Ratio Lower Upper
114 100
63 19.1 0.0 35.6
88 14.6 0.0 29.6



#35
Dibromofluoromethane
Concen: 50.858 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010183.D
Acq: 23 Aug 2022 22:16

Tgt Ion:113 Resp: 91504
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 19.8 16.3 24.5





#36

1,1-Dichloropropene

Concen: 4.507 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY010183.D

Acq: 23 Aug 2022 22:16

Instrument :

MSVOA_Y

ClientSampleId :

S6

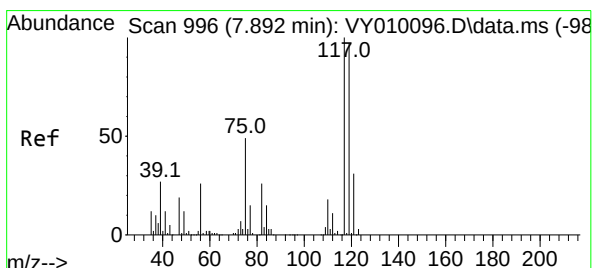
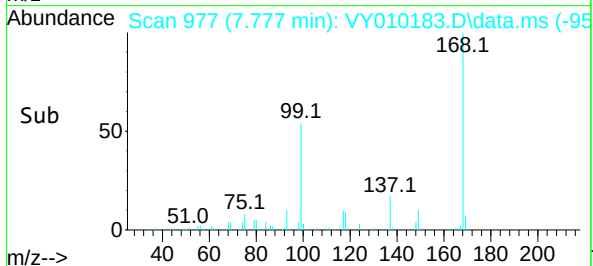
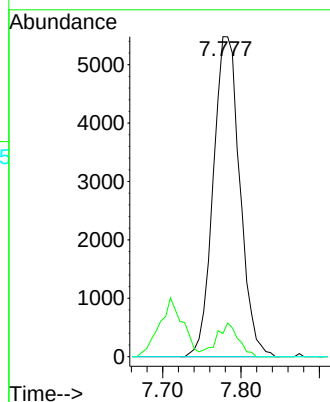
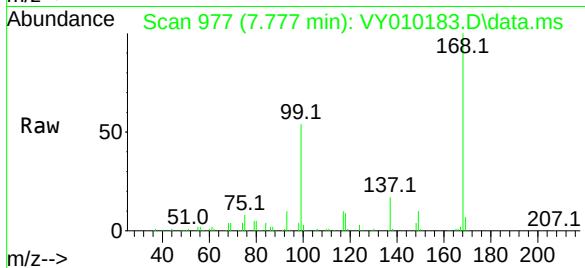
Tgt Ion: 75 Resp: 12945

Ion Ratio Lower Upper

75 100

110 8.6 18.6 56.0#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.362 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY010183.D

Acq: 23 Aug 2022 22:16

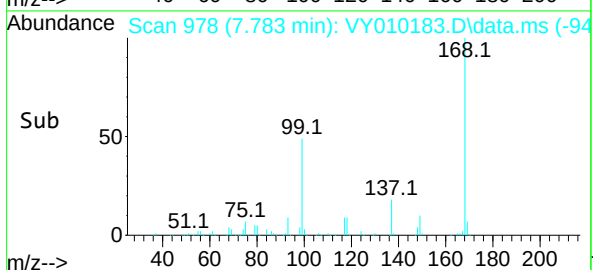
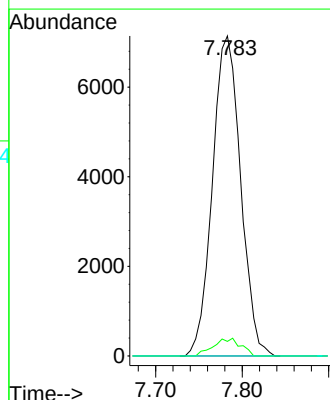
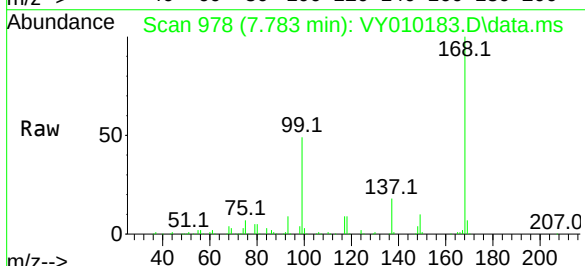
Tgt Ion: 117 Resp: 16151

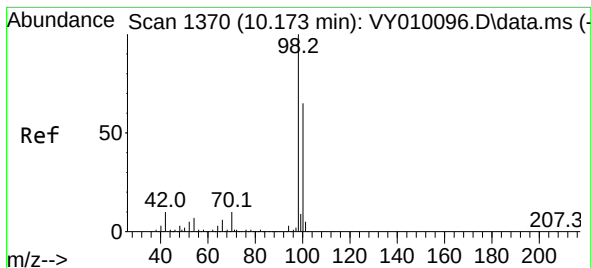
Ion Ratio Lower Upper

117 100

119 4.6 77.1 115.7#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 49.335 ug/l

RT: 10.179 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VY010183.D

Acq: 23 Aug 2022 22:16

Instrument :

MSVOA_Y

ClientSampleId :

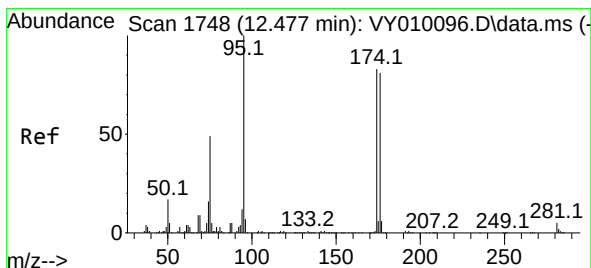
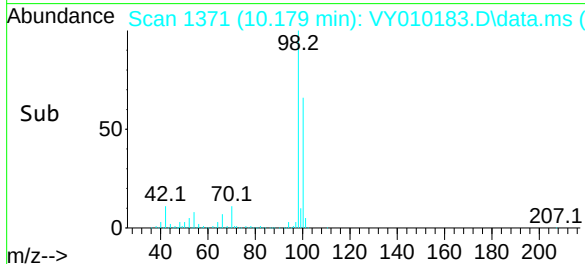
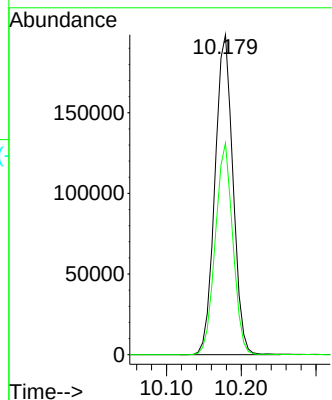
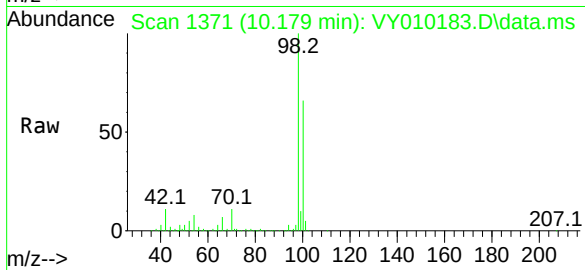
S6

Tgt Ion: 98 Resp: 332607

Ion Ratio Lower Upper

98 100

100 64.4 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 44.419 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY010183.D

Acq: 23 Aug 2022 22:16

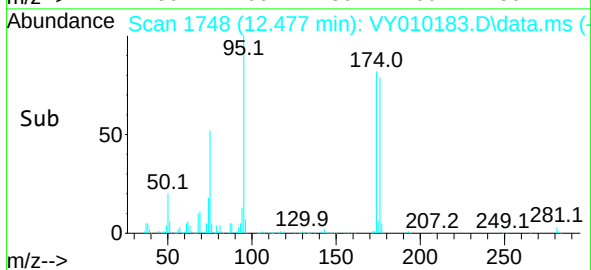
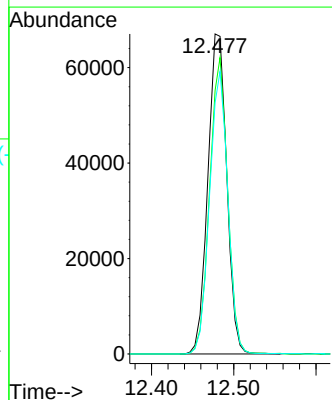
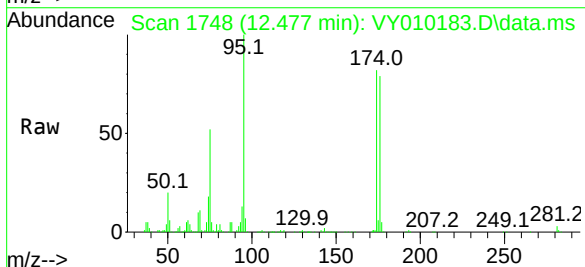
Tgt Ion: 95 Resp: 106997

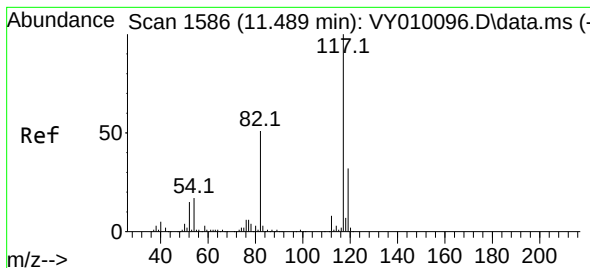
Ion Ratio Lower Upper

95 100

174 88.6 0.0 173.8

176 85.6 0.0 167.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010183.D

Acq: 23 Aug 2022 22:16

Instrument :

MSVOA_Y

ClientSampleId :

S6

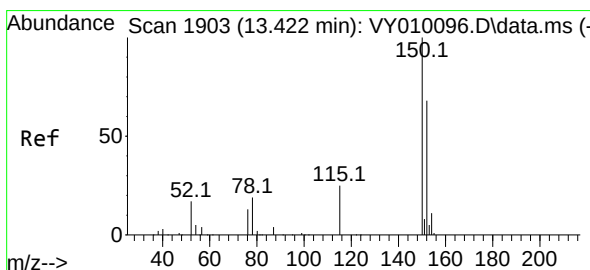
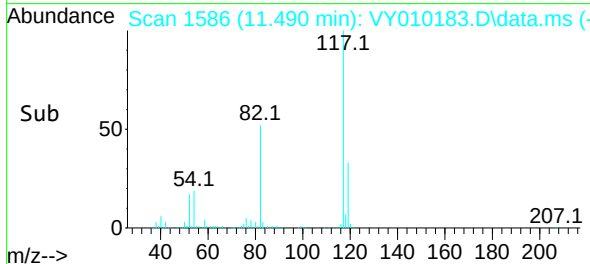
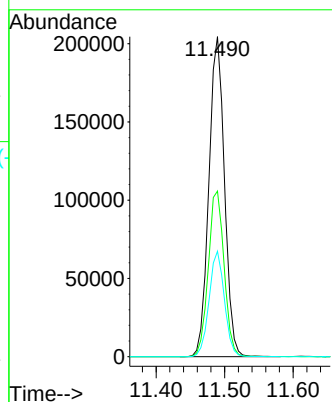
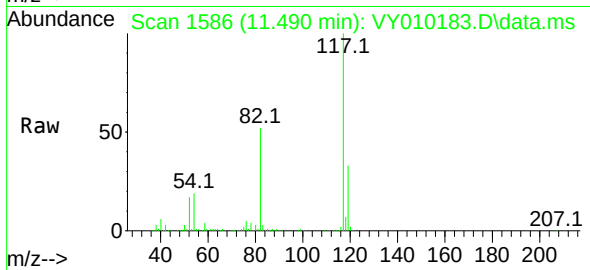
Tgt Ion:117 Resp: 324197

Ion Ratio Lower Upper

117 100

82 51.7 40.6 61.0

119 32.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010183.D

Acq: 23 Aug 2022 22:16

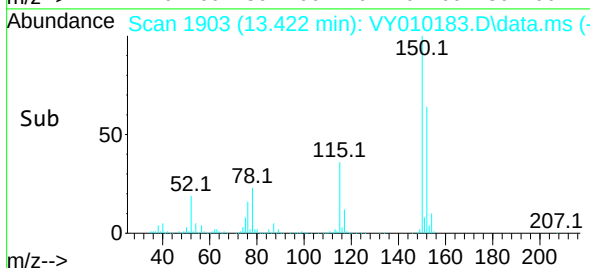
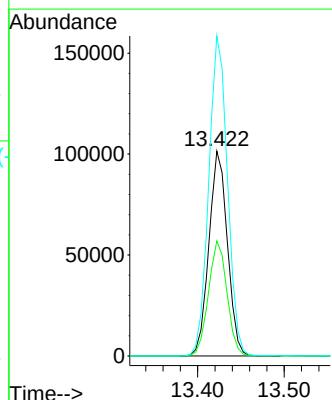
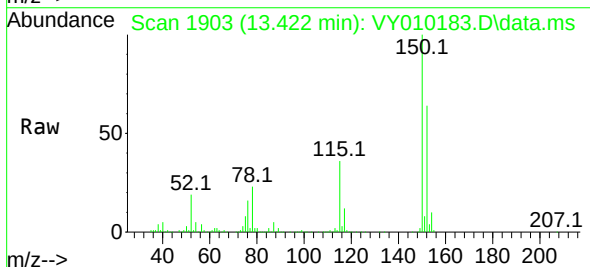
Tgt Ion:152 Resp: 150796

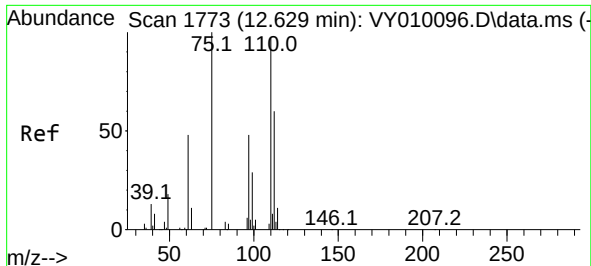
Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

150 157.9 0.0 346.2

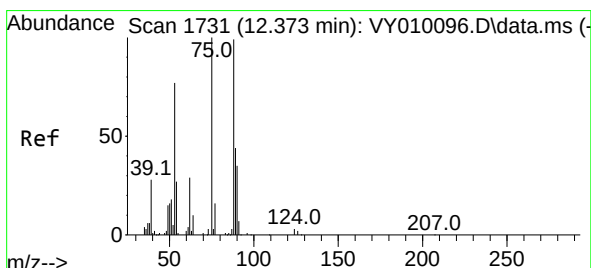
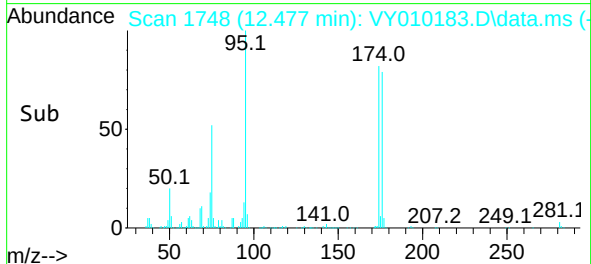
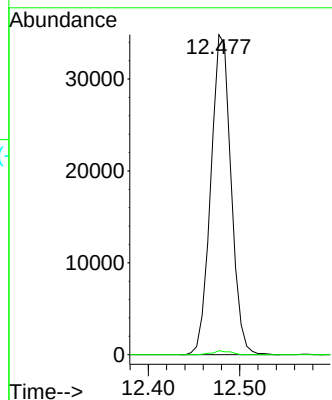
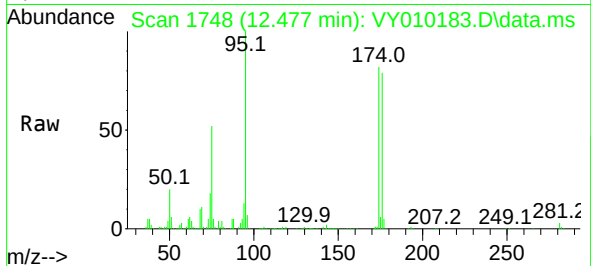




#76
1,2,3-Trichloropropane
Concen: 37.891 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010183.D
Acq: 23 Aug 2022 22:16

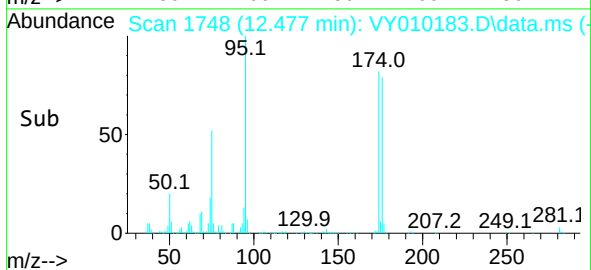
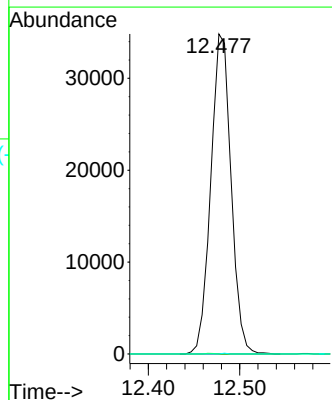
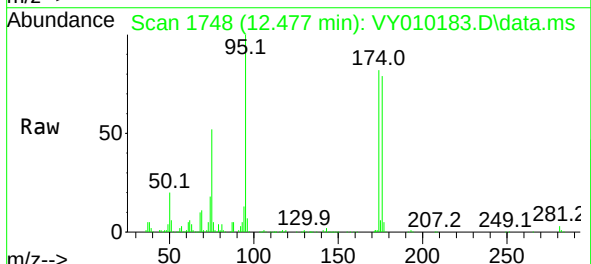
Instrument :
MSVOA_Y
ClientSampleId :
S6

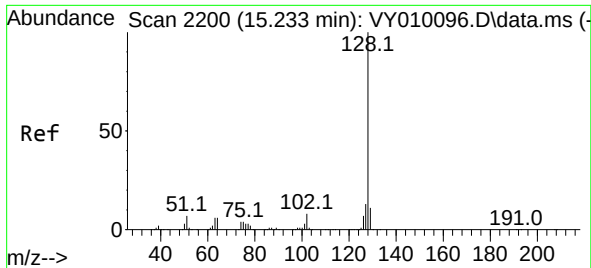
Tgt Ion: 75 Resp: 53511
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.104 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010183.D
Acq: 23 Aug 2022 22:16

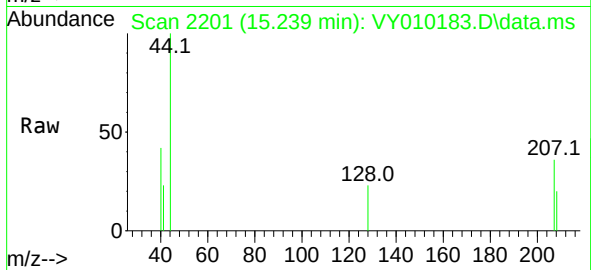
Tgt Ion: 75 Resp: 53511
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 36.8 55.2#





#95
Naphthalene
Concen: 3.901 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY010183.D
Acq: 23 Aug 2022 22:16

Instrument :
MSVOA_Y
ClientSampleId :
S6



Tgt Ion:	128	Resp:	94
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.9	13.3#

