

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082322\
 Data File : VY010167.D
 Acq On : 23 Aug 2022 15:59
 Operator : KP/MD
 Sample : N4200-07RE
 Misc : 8.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S12

Quant Time: Aug 24 04:33:24 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)

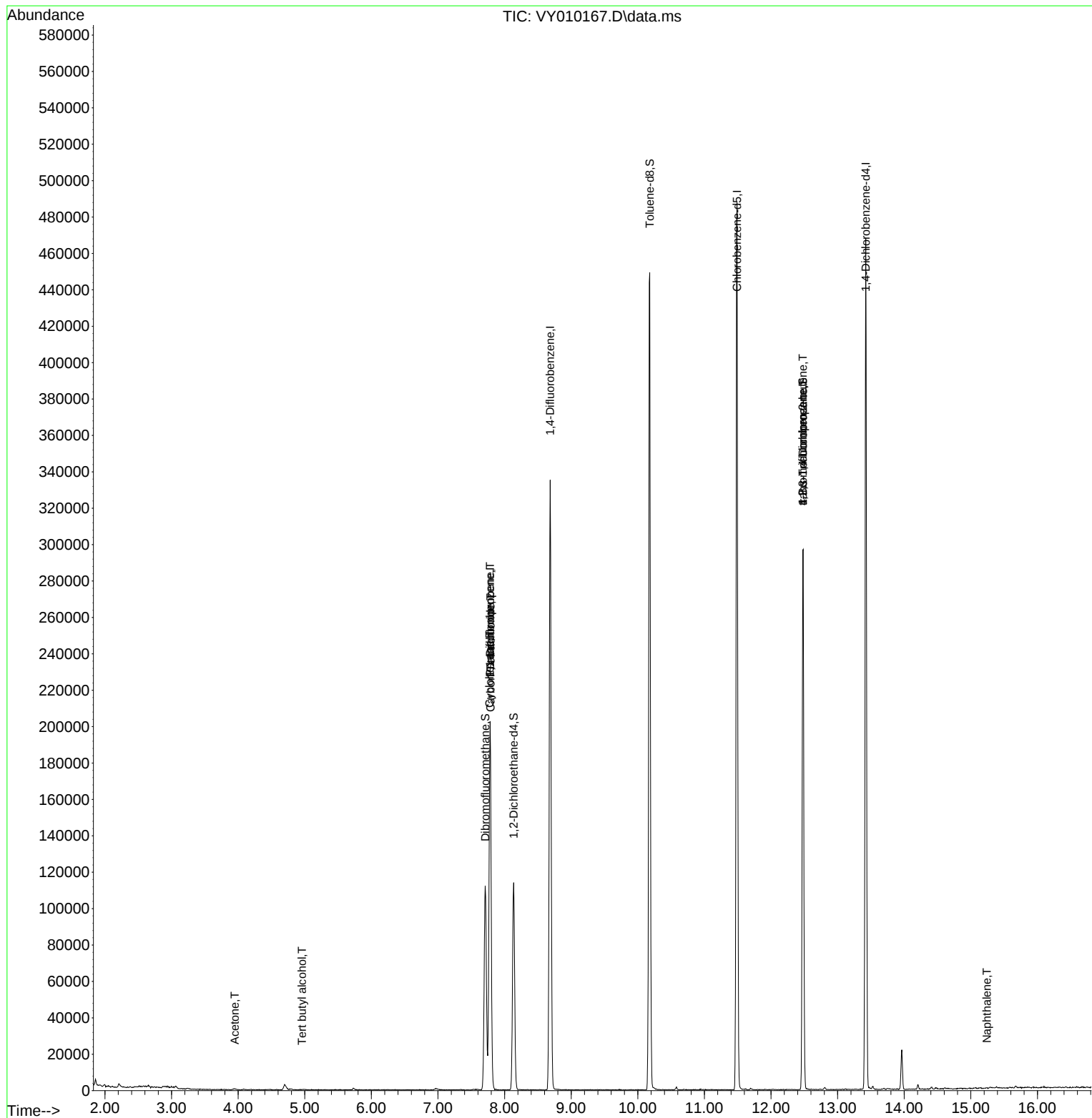
Internal Standards						
1) Pentafluorobenzene	7.783	168	161556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	291200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	278402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123012	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86691	65.511	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.020%
35) Dibromofluoromethane	7.710	113	80332	48.957	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.179	98	301354	49.013	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.477	95	92428	42.074	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	213	11.942	ug/l #	73
16) Acetone	3.948	43	1052	3.176	ug/l #	69
20) Methylene Chloride	4.698	84	1945	Below Cal	#	78
31) Cyclohexane	7.777	56	2964	1.093	ug/l #	21
36) 1,1-Dichloropropene	7.783	75	11555	4.412	ug/l #	48
38) Carbon Tetrachloride	7.789	117	15357	5.591	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	44288	38.443	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44288	77.213	ug/l #	18
95) Naphthalene	15.239	128	489	3.983	ug/l #	76

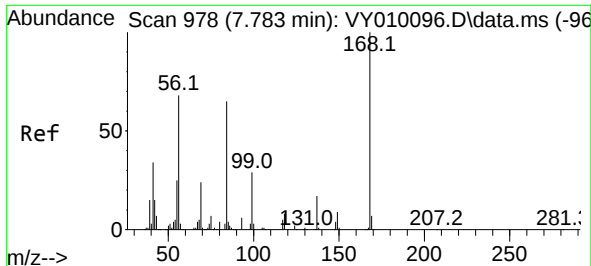
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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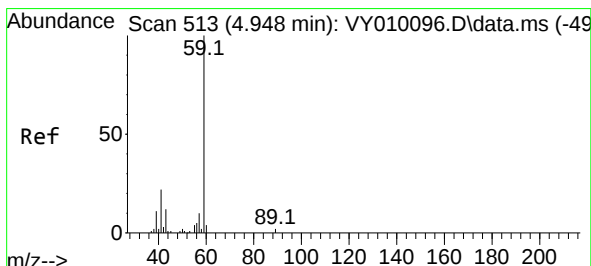
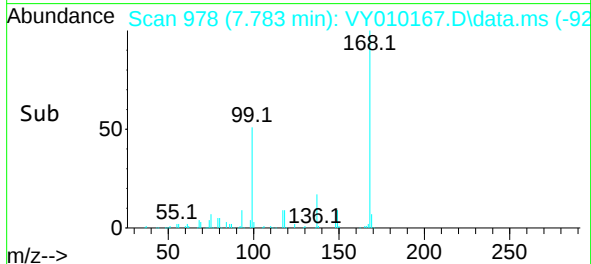
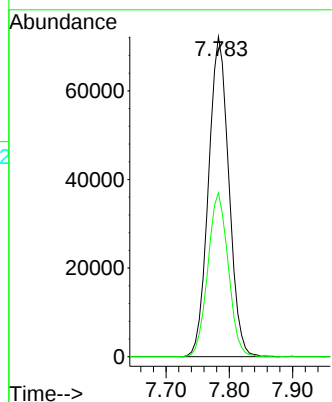
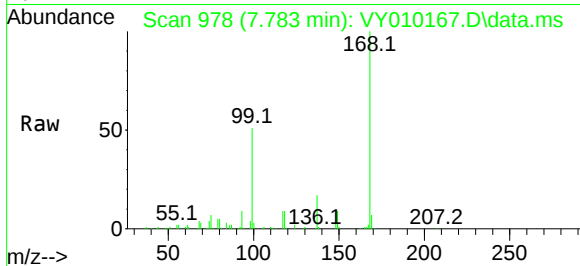




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010167.D
Acq: 23 Aug 2022 15:59

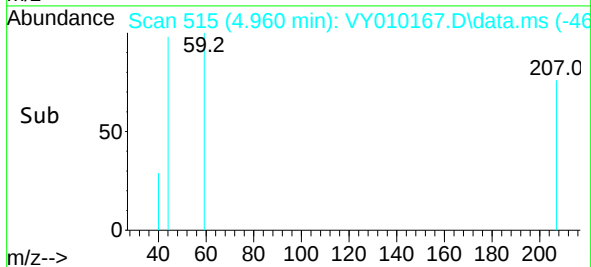
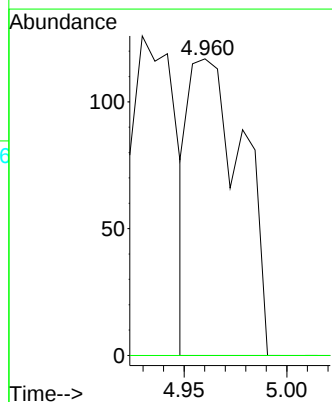
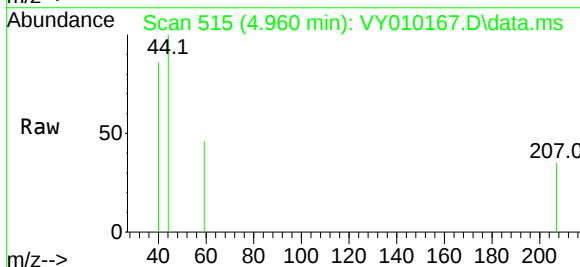
Instrument :
MSVOA_Y
ClientSampleId :
S12

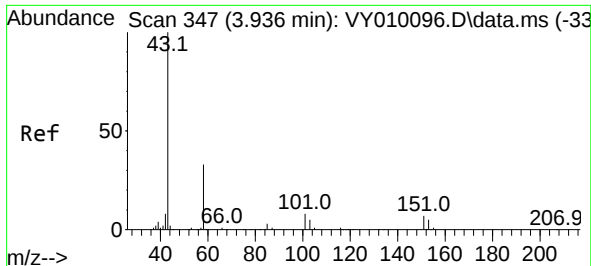
Tgt Ion:168 Resp: 161556
Ion Ratio Lower Upper
168 100
99 51.2 40.7 61.1



#11
Tert butyl alcohol
Concen: 11.942 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY010167.D
Acq: 23 Aug 2022 15:59

Tgt Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 3.176 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.012 min

Lab File: VY010167.D

Acq: 23 Aug 2022 15:59

Instrument :

MSVOA_Y

ClientSampleId :

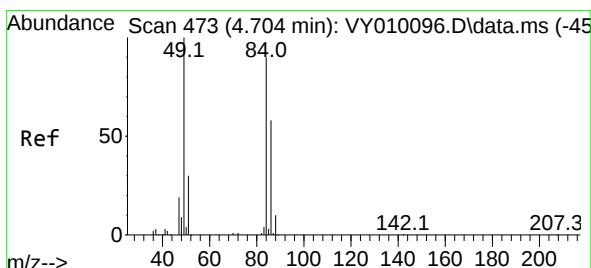
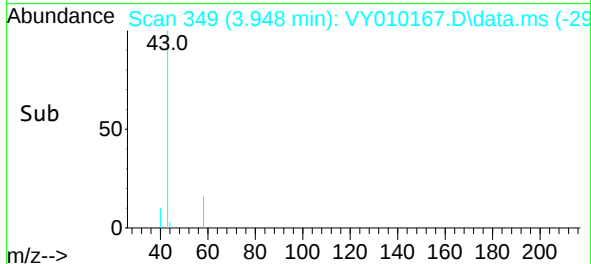
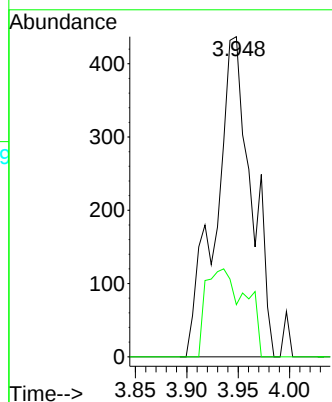
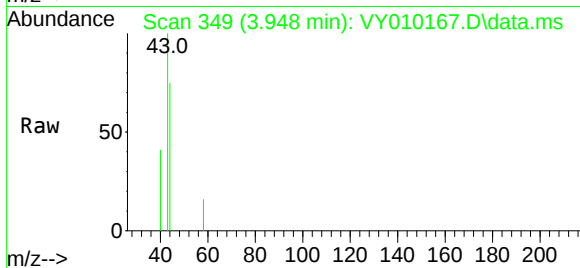
S12

Tgt Ion: 43 Resp: 1052

Ion Ratio Lower Upper

43 100

58 16.2 27.4 41.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY010167.D

Acq: 23 Aug 2022 15:59

Tgt Ion: 84 Resp: 1945

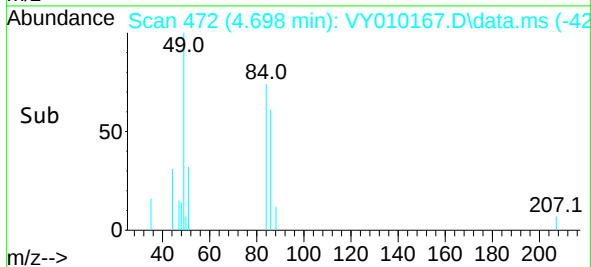
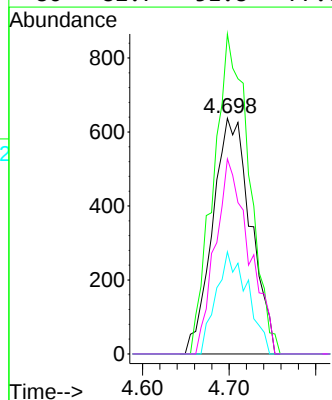
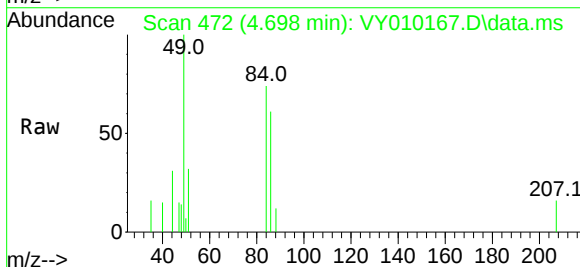
Ion Ratio Lower Upper

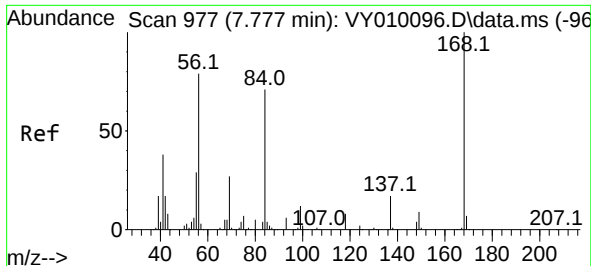
84 100

49 135.8 89.0 133.4#

51 43.3 27.0 40.6#

86 82.7 51.8 77.6#

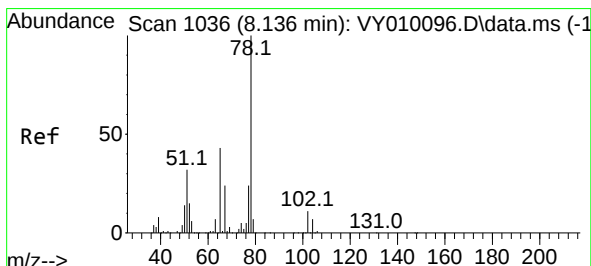
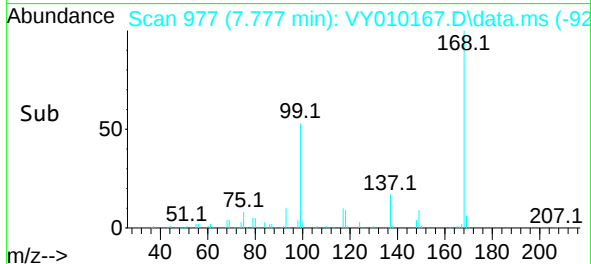
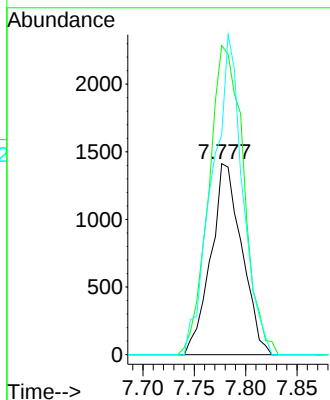
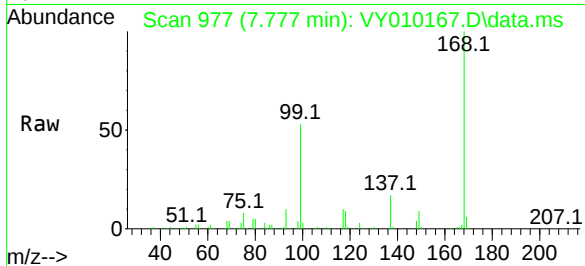




#31
Cyclohexane
Concen: 1.093 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010167.D
Acq: 23 Aug 2022 15:59

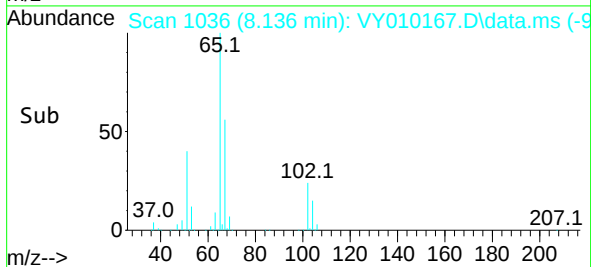
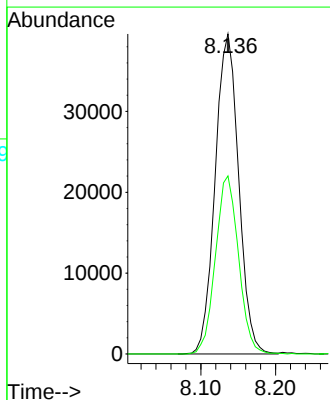
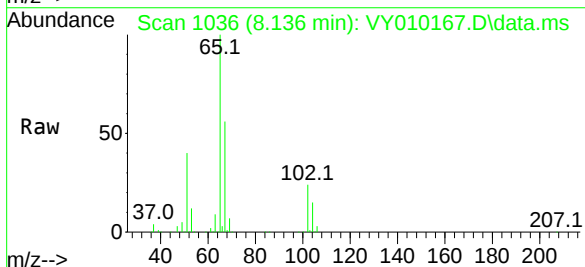
Instrument :
MSVOA_Y
ClientSampleId :
S12

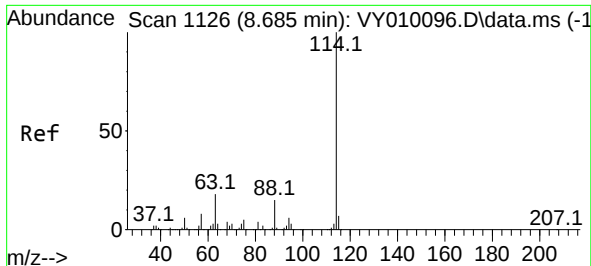
Tgt Ion: 56 Resp: 2964
Ion Ratio Lower Upper
56 100
69 161.8 27.3 40.9#
84 114.9 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 65.511 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010167.D
Acq: 23 Aug 2022 15:59

Tgt Ion: 65 Resp: 86691
Ion Ratio Lower Upper
65 100
67 54.6 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: VY010167.D

Acq: 23 Aug 2022 15:59

Instrument :

MSVOA_Y

ClientSampleId :

S12

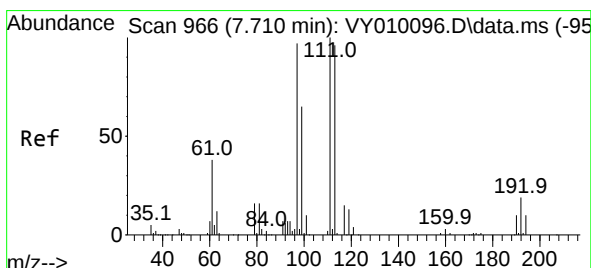
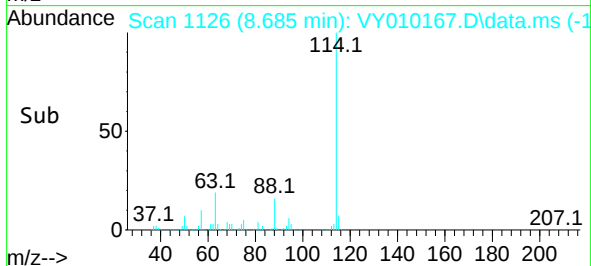
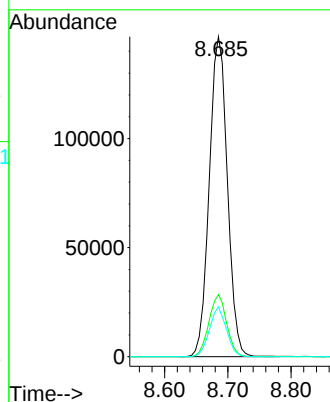
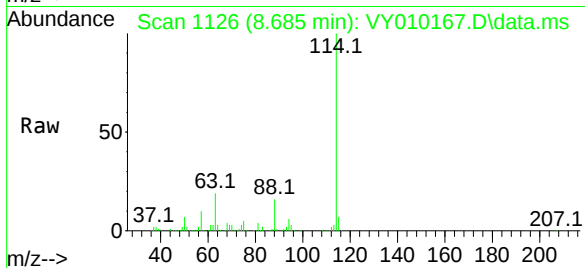
Tgt Ion:114 Resp: 291200

Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.6

88 15.6 0.0 29.6



#35

Dibromofluoromethane

Concen: 48.957 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010167.D

Acq: 23 Aug 2022 15:59

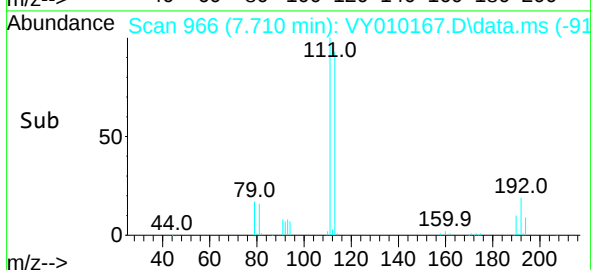
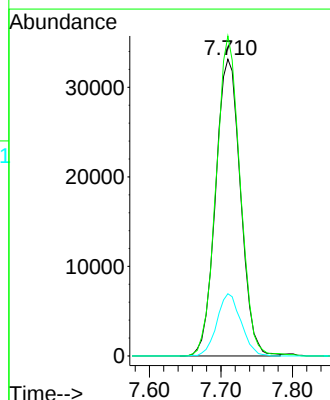
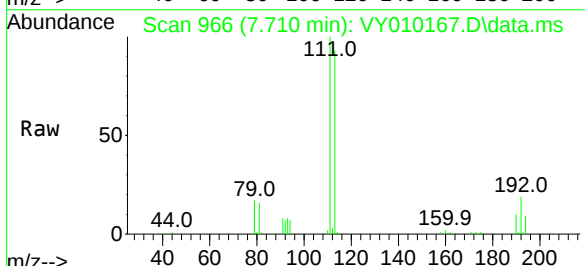
Tgt Ion:113 Resp: 80332

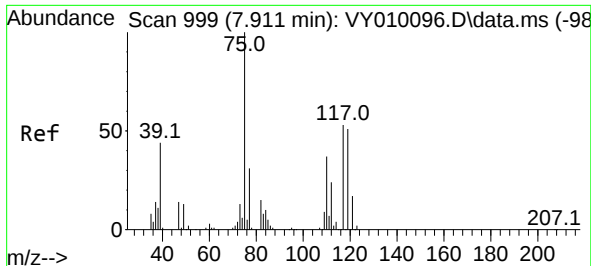
Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

192 20.2 16.3 24.5





#36

1,1-Dichloropropene

Concen: 4.412 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010167.D

Acq: 23 Aug 2022 15:59

Instrument :

MSVOA_Y

ClientSampleId :

S12

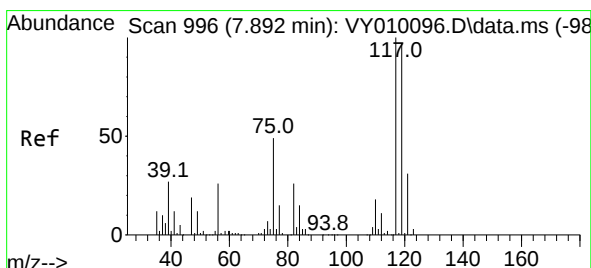
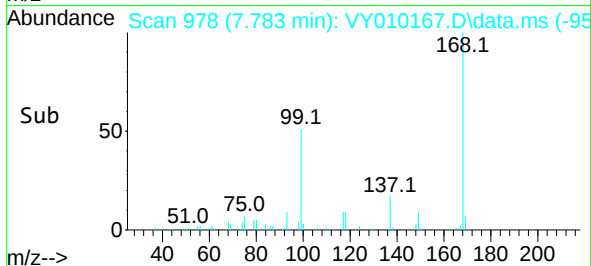
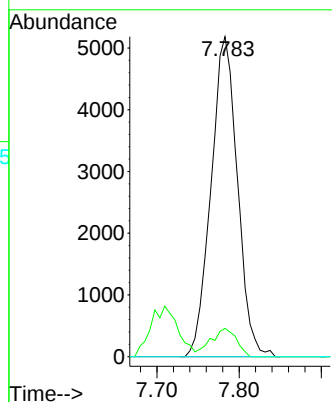
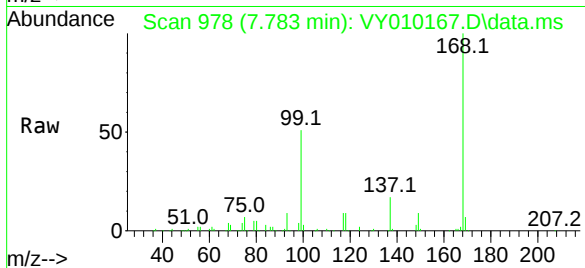
Tgt Ion: 75 Resp: 11555

Ion Ratio Lower Upper

75 100

110 8.6 18.6 56.0#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.591 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.103 min

Lab File: VY010167.D

Acq: 23 Aug 2022 15:59

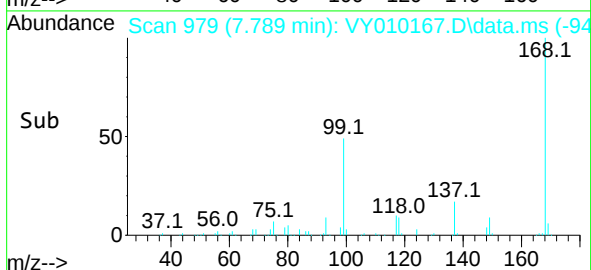
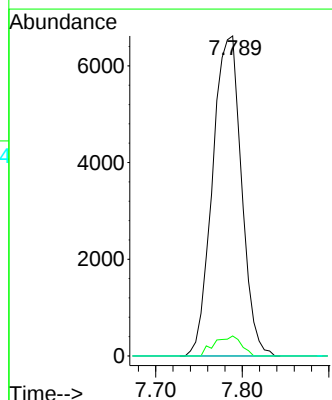
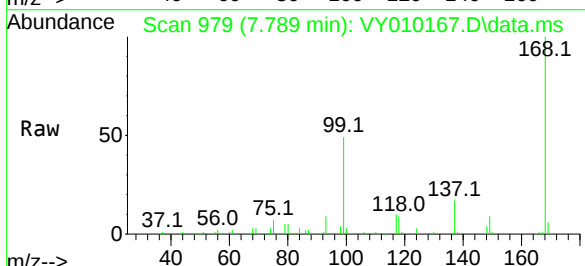
Tgt Ion: 117 Resp: 15357

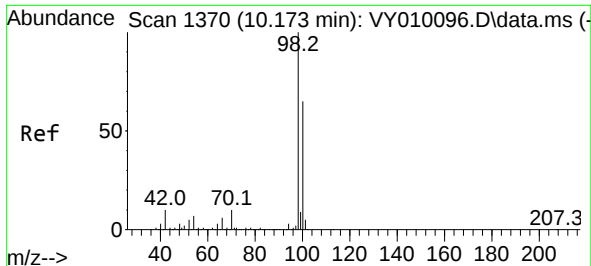
Ion Ratio Lower Upper

117 100

119 6.2 77.1 115.7#

121 0.0 24.7 37.1#

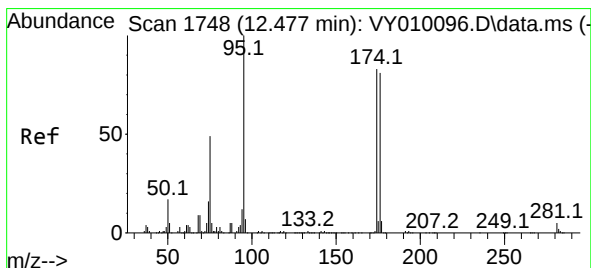
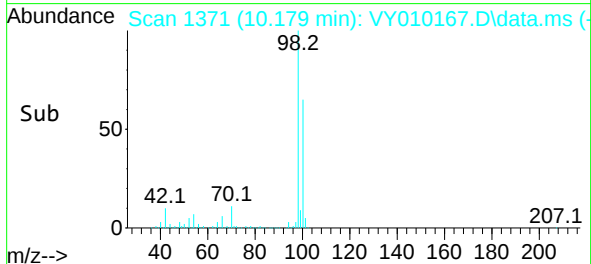
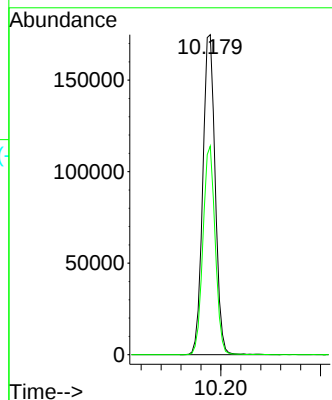
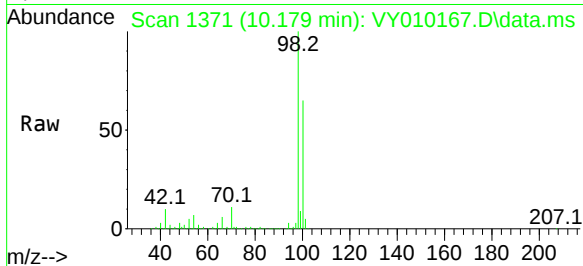




#50
Toluene-d8
Concen: 49.013 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010167.D
Acq: 23 Aug 2022 15:59

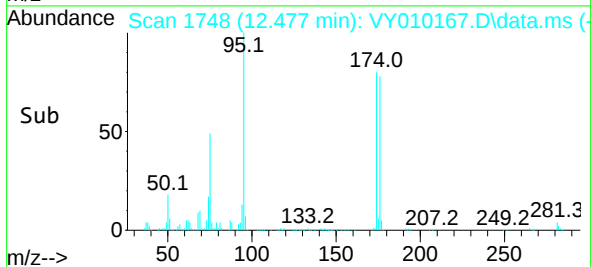
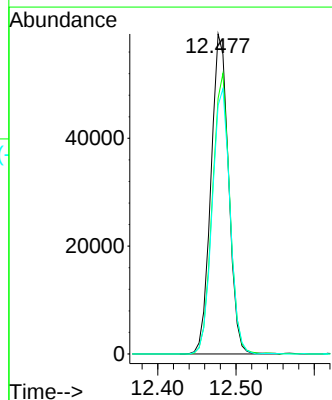
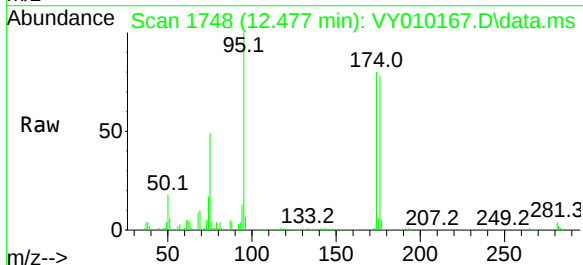
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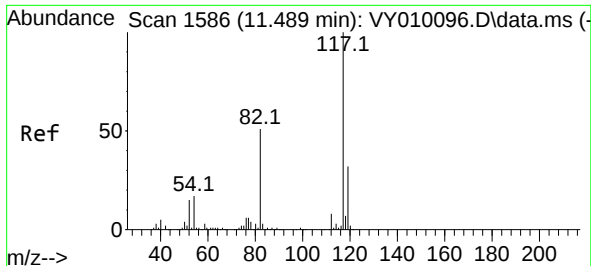
Tgt Ion: 98 Resp: 301354
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.074 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010167.D
Acq: 23 Aug 2022 15:59

Tgt Ion: 95 Resp: 92428
Ion Ratio Lower Upper
95 100
174 86.7 0.0 173.8
176 83.9 0.0 167.2

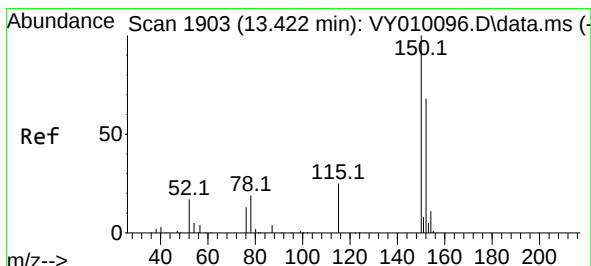
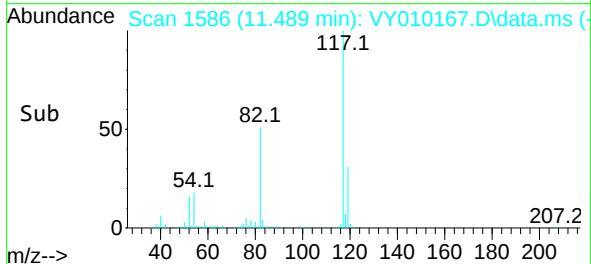
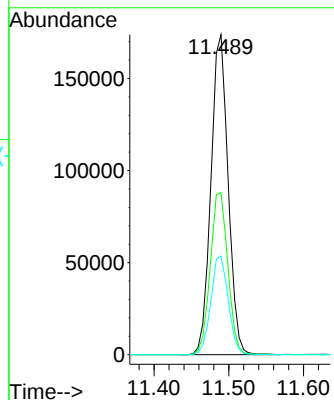
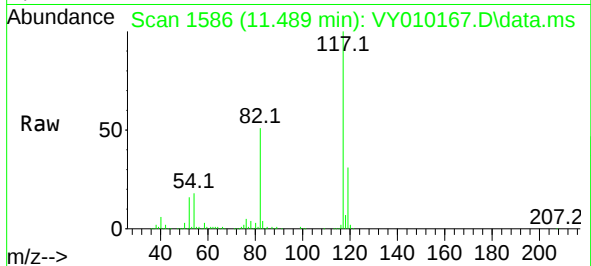




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010167.D
Acq: 23 Aug 2022 15:59

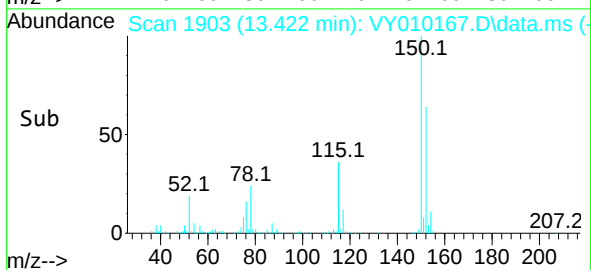
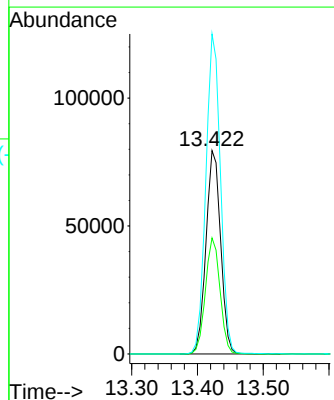
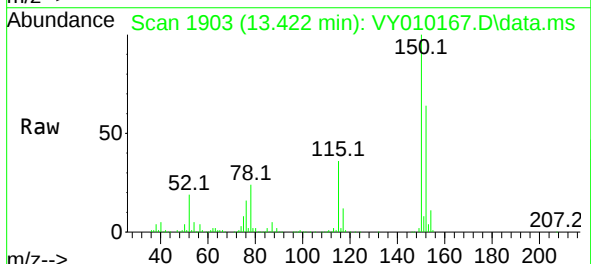
Instrument :
MSVOA_Y
ClientSampleId :
S12

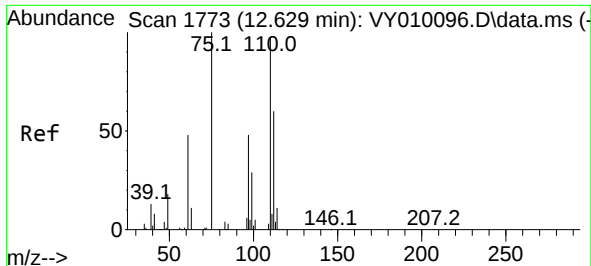
Tgt Ion:117 Resp: 278402
Ion Ratio Lower Upper
117 100
82 50.7 40.6 61.0
119 30.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010167.D
Acq: 23 Aug 2022 15:59

Tgt Ion:152 Resp: 123012
Ion Ratio Lower Upper
152 100
115 56.8 28.1 84.2
150 157.0 0.0 346.2

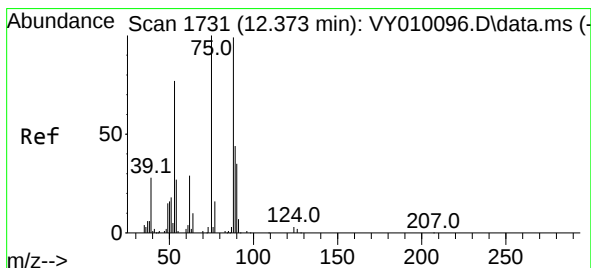
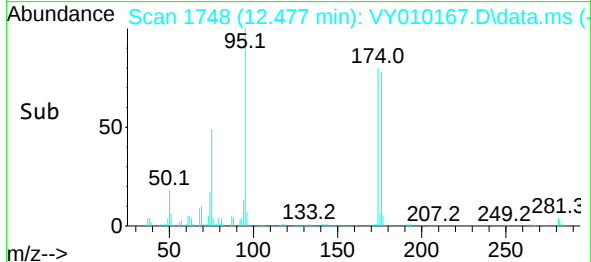
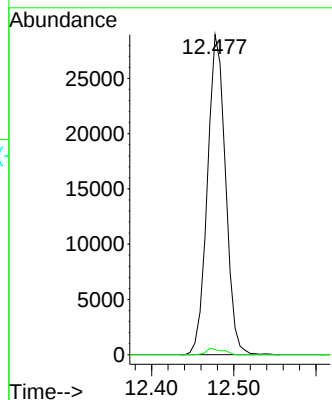
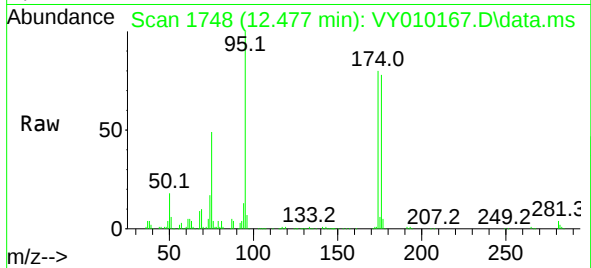




#76
1,2,3-Trichloropropane
Concen: 38.443 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010167.D
Acq: 23 Aug 2022 15:59

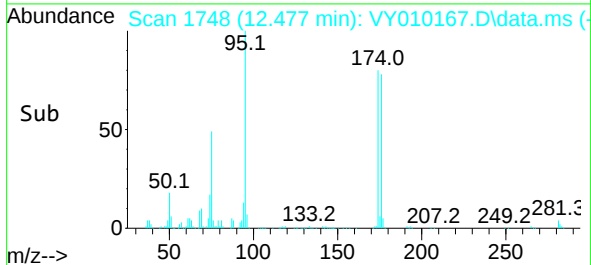
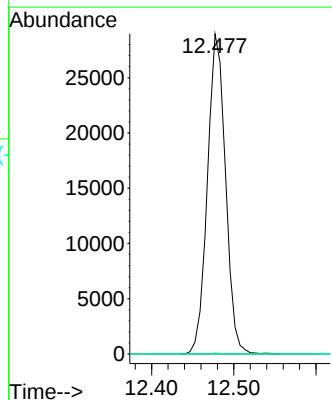
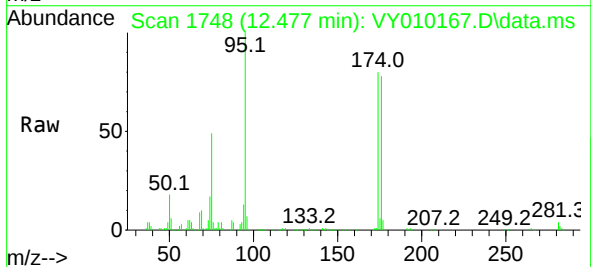
Instrument :
MSVOA_Y
ClientSampleId :
S12

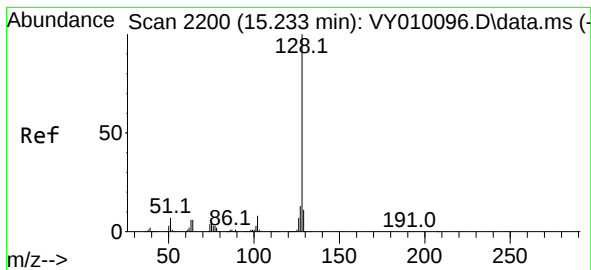
Tgt Ion: 75 Resp: 44288
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.213 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010167.D
Acq: 23 Aug 2022 15:59

Tgt Ion: 75 Resp: 44288
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 36.8 55.2#





#95

Naphthalene

Concen: 3.983 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY010167.D

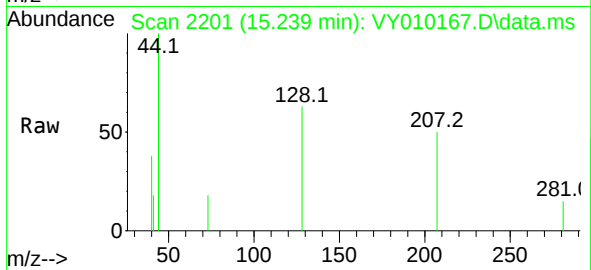
Acq: 23 Aug 2022 15:59

Instrument :

MSVOA_Y

ClientSampleId :

S12



Tgt Ion:	128	Resp:	489
Ion	Ratio	Lower	Upper
128	100		
127	4.7	10.2	15.2#
129	0.0	8.9	13.3#

