

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082222\
 Data File : VY010156.D
 Acq On : 22 Aug 2022 20:06
 Operator : KP/MD
 Sample : N4277-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-2

Quant Time: Aug 23 00:17:57 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)

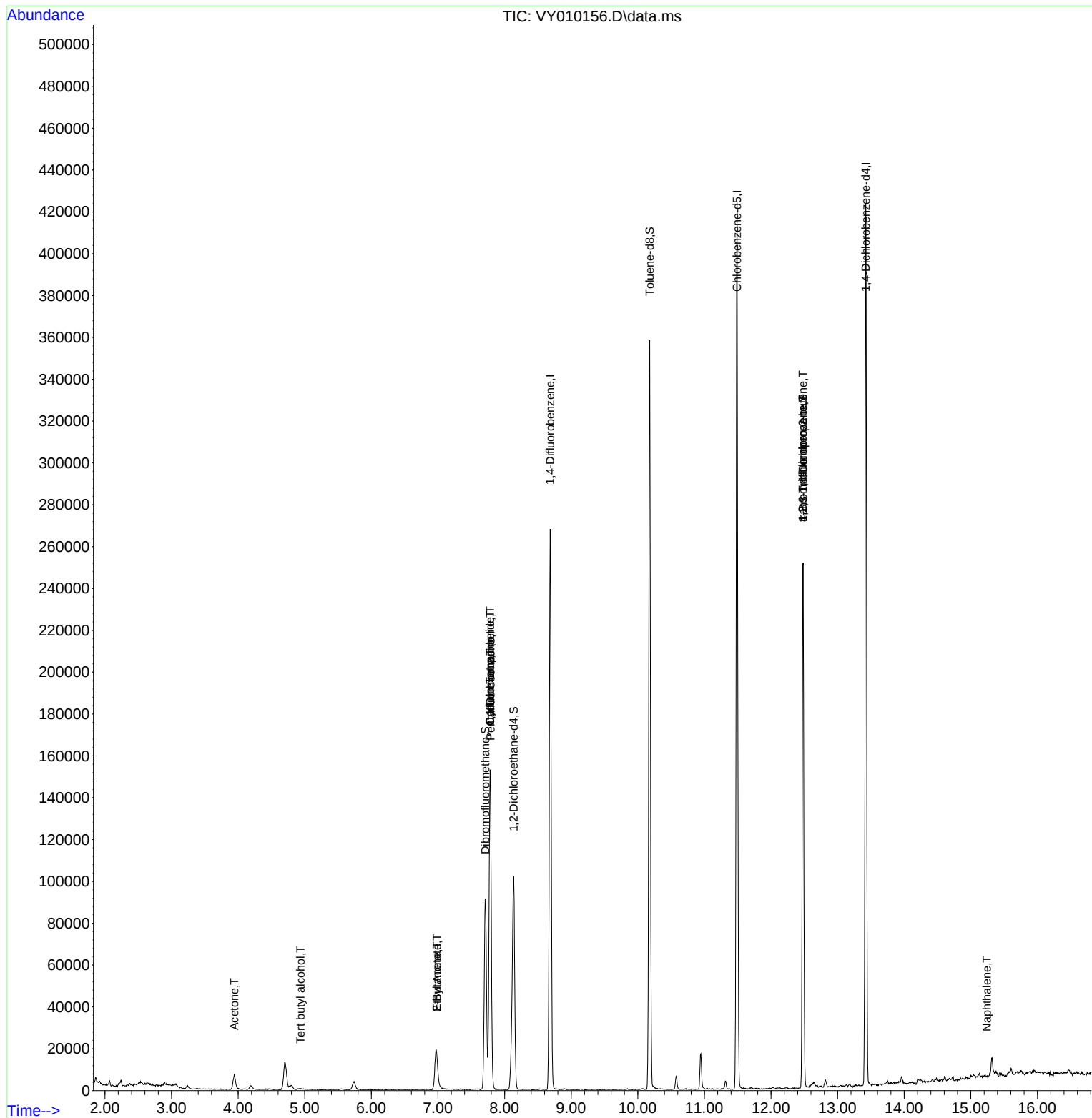
Internal Standards						
1) Pentafluorobenzene	7.789	168	125865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	236423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	236448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	70266	68.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.320%	
35) Dibromofluoromethane	7.710	113	66824	50.161	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.320%	
50) Toluene-d8	10.179	98	240989	48.276	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.560%	
62) 4-Bromofluorobenzene	12.477	95	81129	45.487	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1056	19.922	ug/l #	73
16) Acetone	3.942	43	12059	46.735	ug/l #	81
20) Methylene Chloride	4.704	84	10226	Below Cal		98
25) 2-Butanone	6.984	43	3010	7.252	ug/l #	80
31) Cyclohexane	7.783	56	2275	1.077	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	9018	4.241	ug/l #	48
37) Ethyl Acetate	6.984	43	3010	2.788	ug/l #	53
38) Carbon Tetrachloride	7.783	117	11573	5.189	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	38594	36.470	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	38594	73.250	ug/l #	18
95) Naphthalene	15.239	128	935	4.089	ug/l #	94

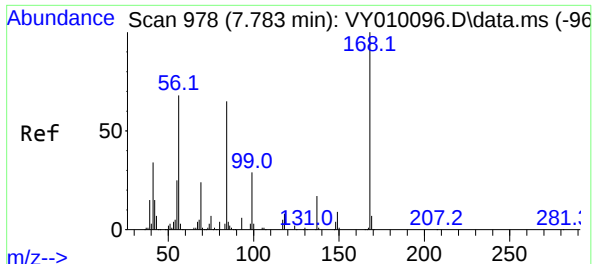
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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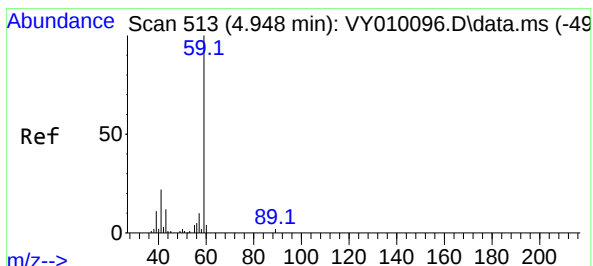
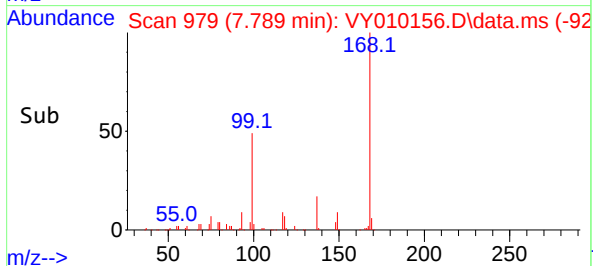
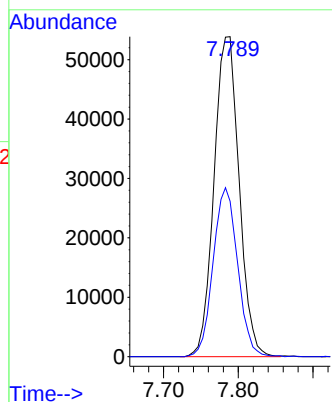
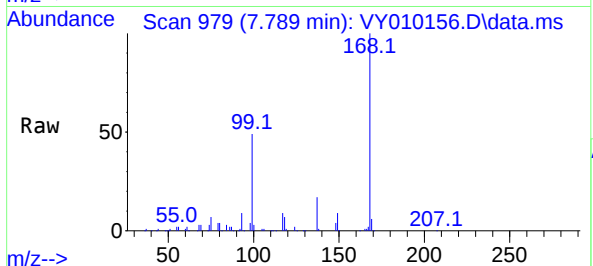




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

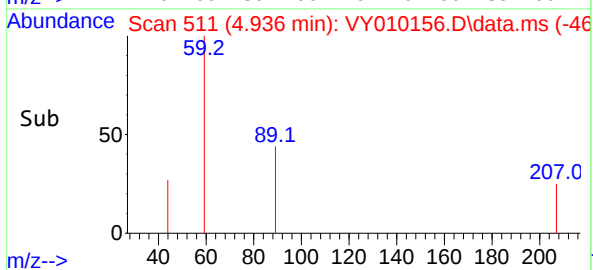
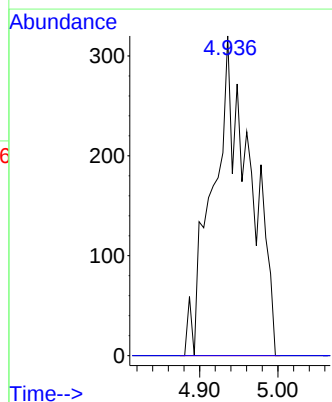
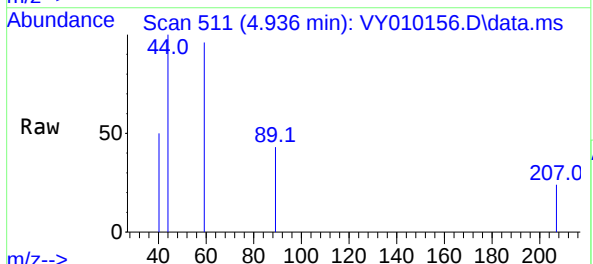
Instrument :
MSVOA_Y
ClientSampleId :
B-2

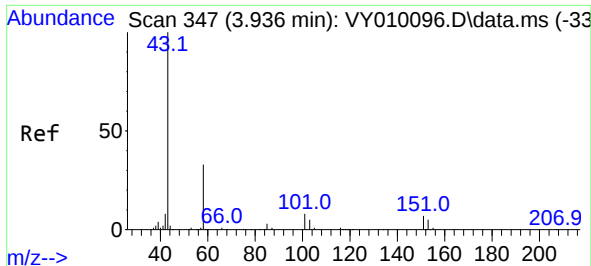
Tgt Ion:168 Resp: 125865
Ion Ratio Lower Upper
168 100
99 48.6 40.7 61.1



#11
Tert butyl alcohol
Concen: 19.922 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

Tgt Ion: 59 Resp: 1056
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

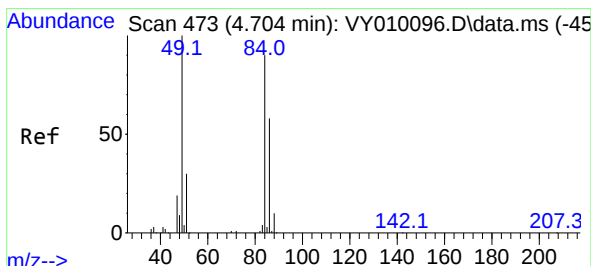
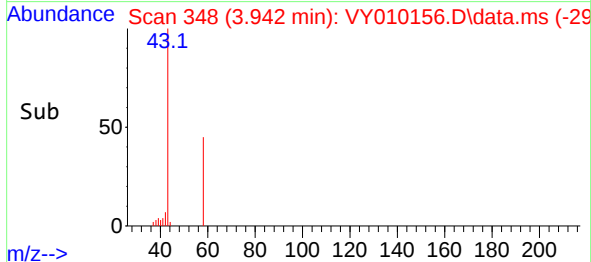
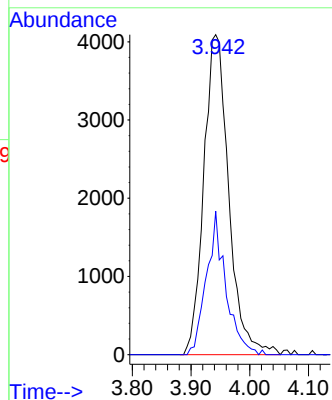
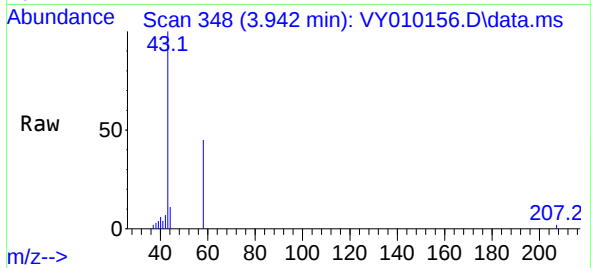




#16
Acetone
Concen: 46.735 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

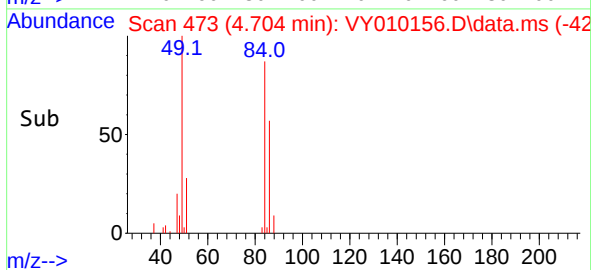
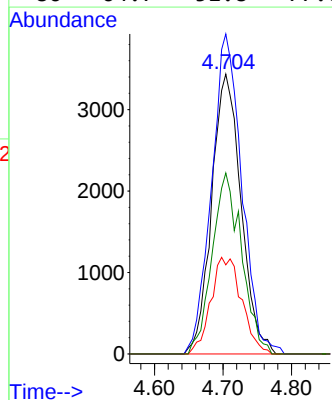
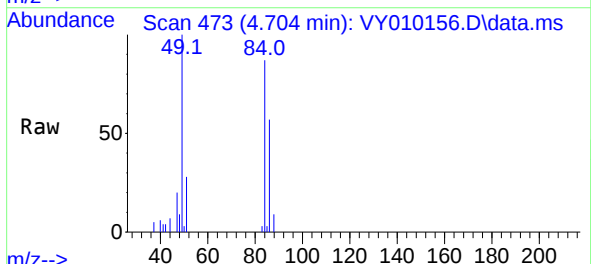
Instrument :
MSVOA_Y
ClientSampleId :
B-2

Tgt Ion: 43 Resp: 12059
Ion Ratio Lower Upper
43 100
58 44.9 27.4 41.0#

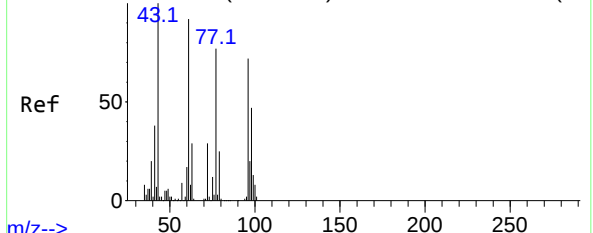


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

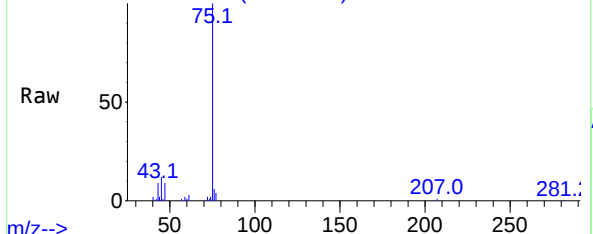
Tgt Ion: 84 Resp: 10226
Ion Ratio Lower Upper
84 100
49 114.4 89.0 133.4
51 31.8 27.0 40.6
86 64.7 51.8 77.6



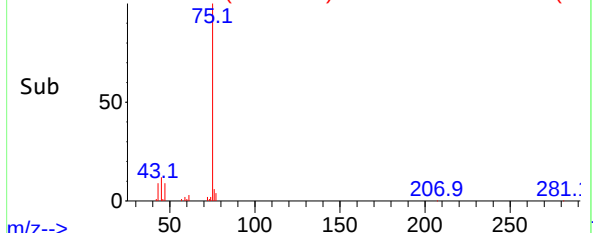
Abundance Scan 846 (6.978 min): VY010096.D\data.ms (-83



m/z--> Scan 847 (6.984 min): VY010156.D\data.ms

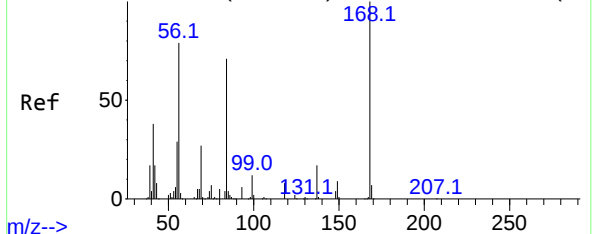


Abundance Scan 847 (6.984 min): VY010156.D\data.ms (-79

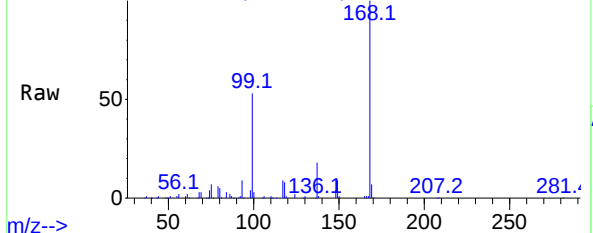


m/z-->

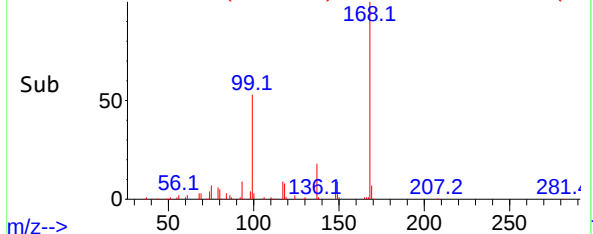
Abundance Scan 977 (7.777 min): VY010096.D\data.ms (-96



m/z--> Scan 978 (7.783 min): VY010156.D\data.ms



Abundance Scan 978 (7.783 min): VY010156.D\data.ms (-92



m/z-->

#25

2-Butanone

Concen: 7.252 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY010156.D

Acq: 22 Aug 2022 20:06

Instrument :

MSVOA_Y

ClientSampleId :

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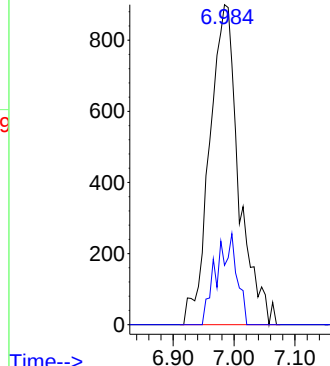
Tgt Ion: 43 Resp: 3010

Ion Ratio Lower Upper

43 100

72 18.6 23.2 34.8#

Abundance



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010156.D

Acq: 22 Aug 2022 20:06

Tgt Ion: 56 Resp: 2275

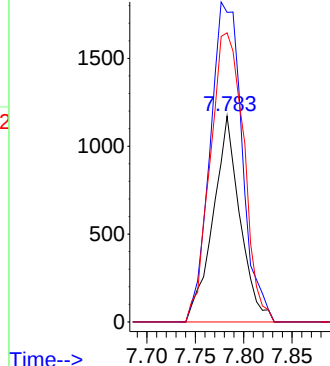
Ion Ratio Lower Upper

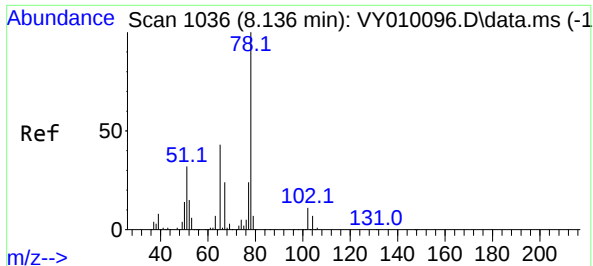
56 100

69 150.3 27.3 40.9#

84 140.4 72.6 109.0#

Abundance





#33

1,2-Dichloroethane-d4

Concen: 68.156 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010156.D

Acq: 22 Aug 2022 20:06

Instrument :

MSVOA_Y

ClientSampleId :

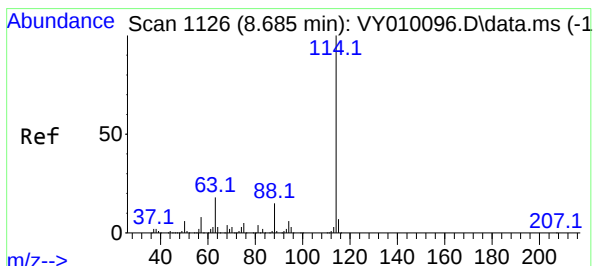
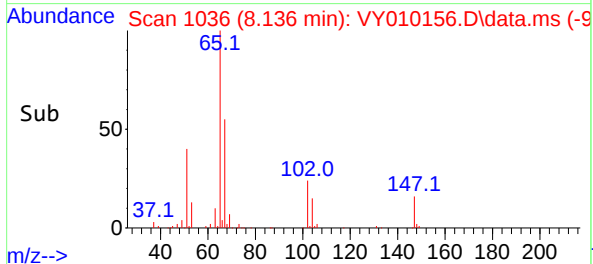
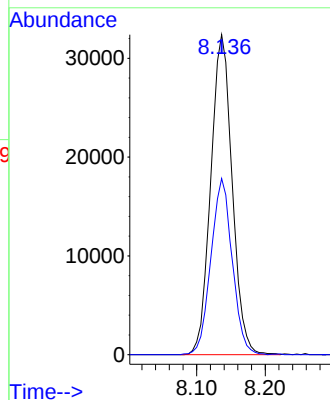
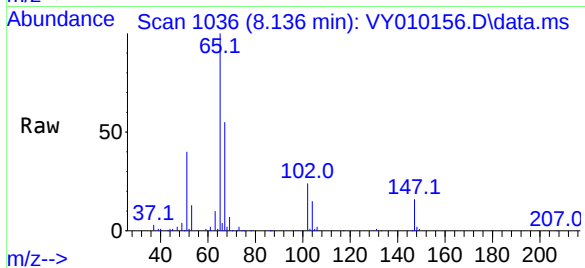
B-2

Tgt Ion: 65 Resp: 70266

Ion Ratio Lower Upper

65 100

67 54.8 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: VY010156.D

Acq: 22 Aug 2022 20:06

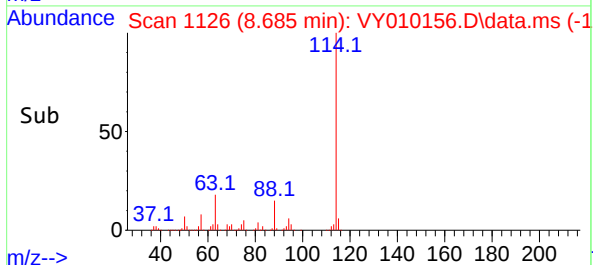
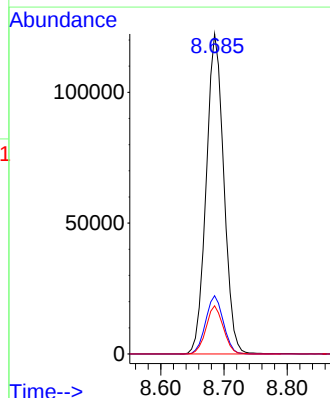
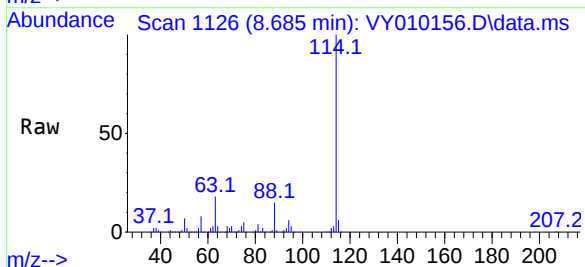
Tgt Ion: 114 Resp: 236423

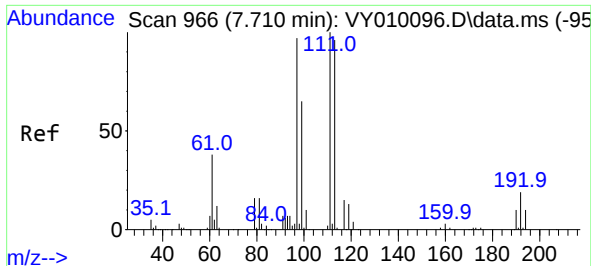
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 15.1 0.0 29.6

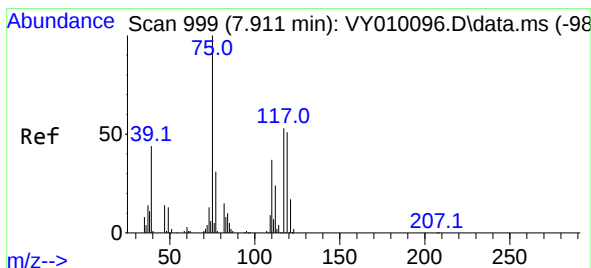
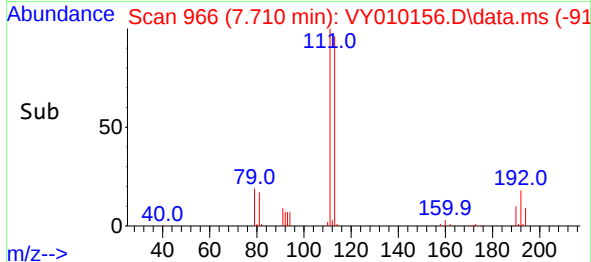
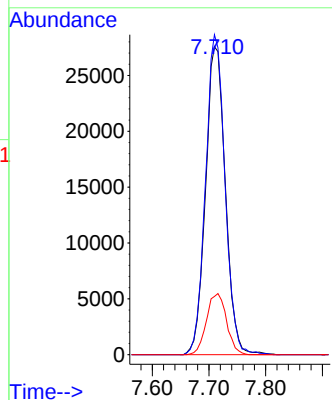
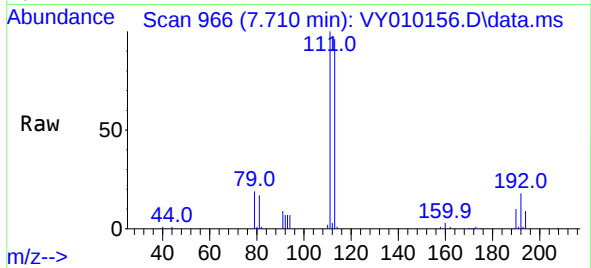




#35
Dibromofluoromethane
Concen: 50.161 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

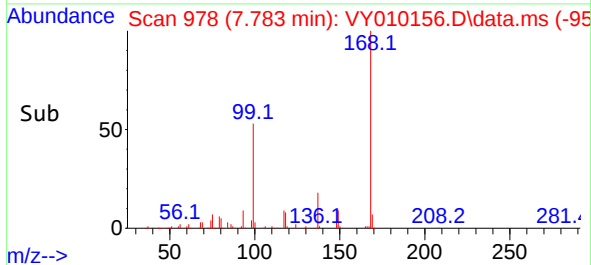
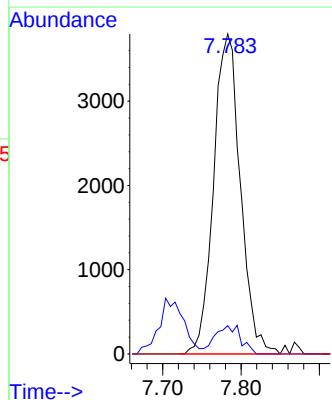
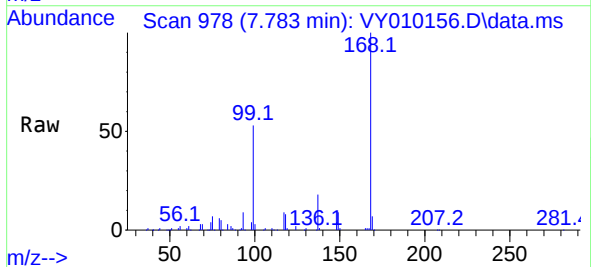
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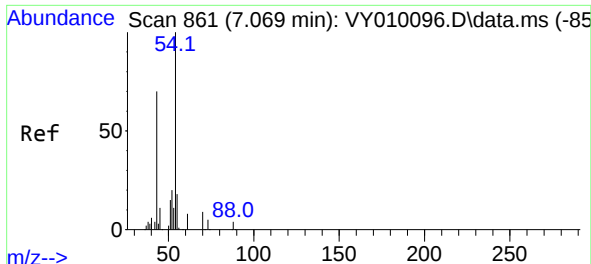
Tgt Ion:113 Resp: 66824
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 20.1 16.3 24.5



#36
1,1-Dichloropropene
Concen: 4.241 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

Tgt Ion: 75 Resp: 9018
Ion Ratio Lower Upper
75 100
110 8.7 18.6 56.0#
77 0.0 24.9 37.3#

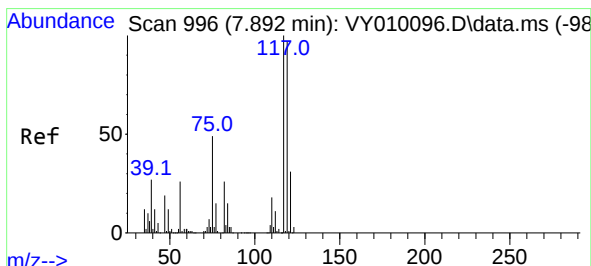
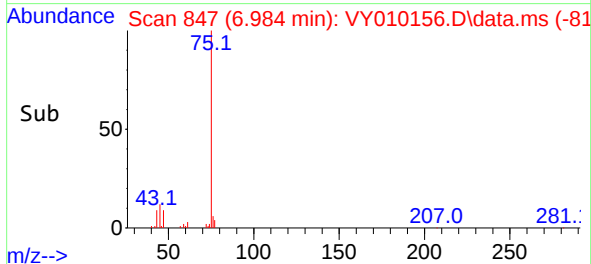
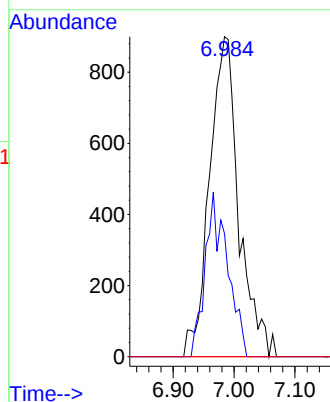
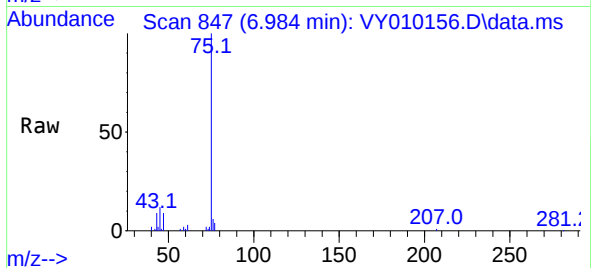




#37
Ethyl Acetate
Concen: 2.788 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

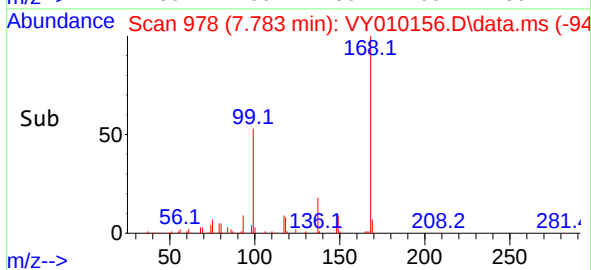
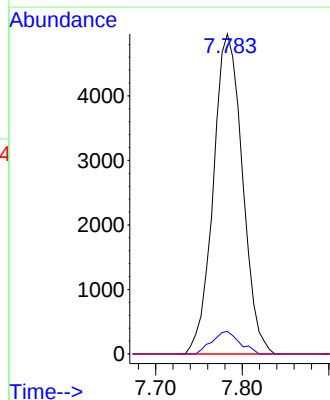
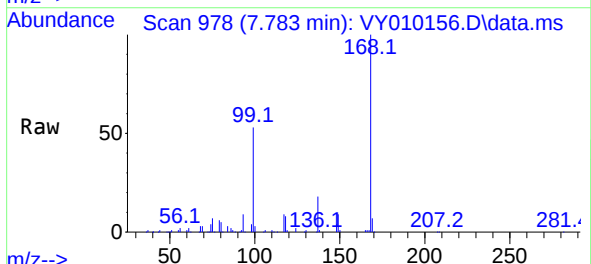
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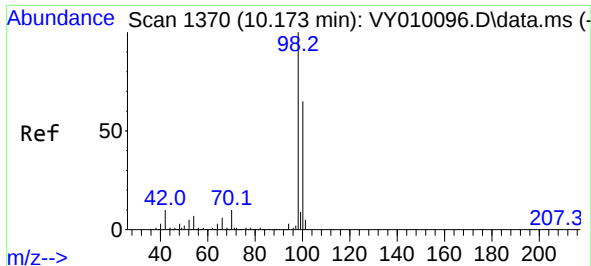
Tgt Ion: 43 Resp: 3010
Ion Ratio Lower Upper
43 100
61 39.2 11.7 17.5#
70 0.0 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 5.189 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

Tgt Ion: 117 Resp: 11573
Ion Ratio Lower Upper
117 100
119 7.0 77.1 115.7#
121 0.0 24.7 37.1#

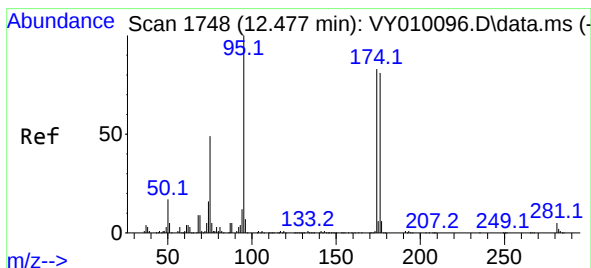
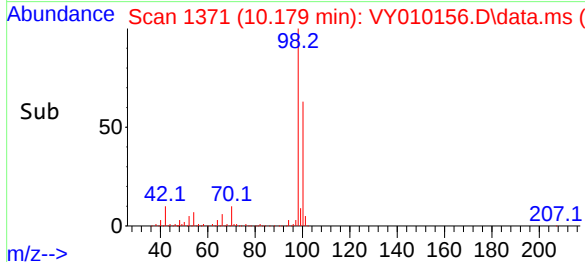
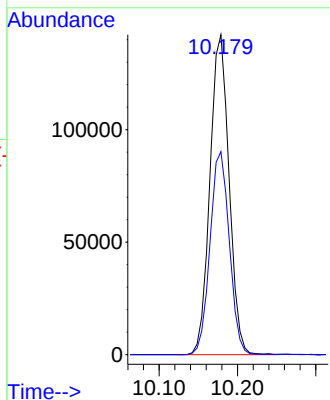
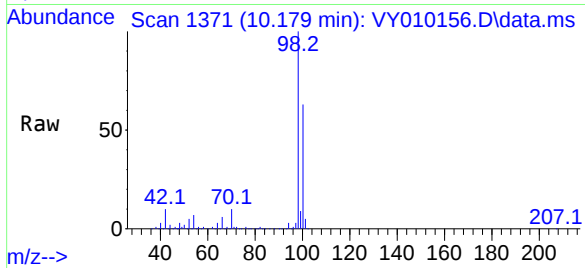




#50
Toluene-d8
Concen: 48.276 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

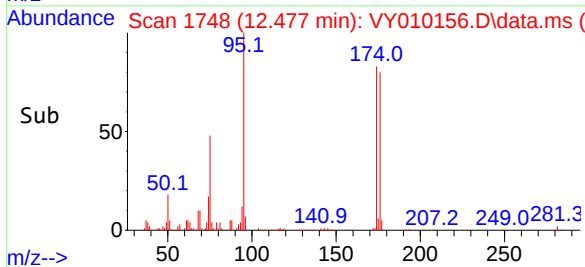
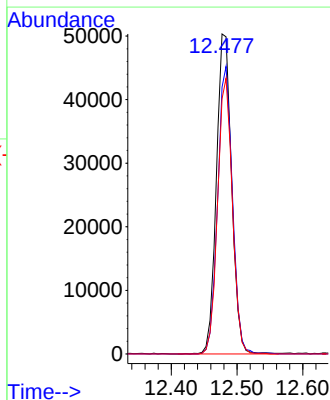
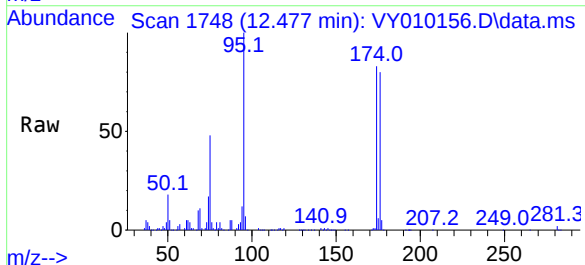
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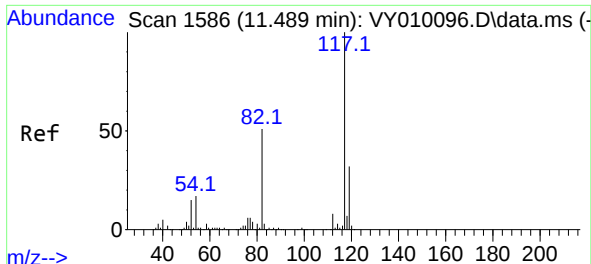
Tgt Ion: 98 Resp: 240989
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.487 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

Tgt Ion: 95 Resp: 81129
Ion Ratio Lower Upper
95 100
174 87.2 0.0 173.8
176 83.4 0.0 167.2

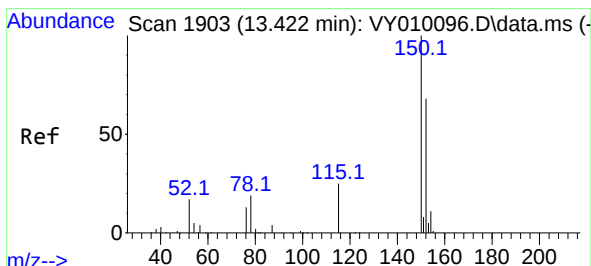
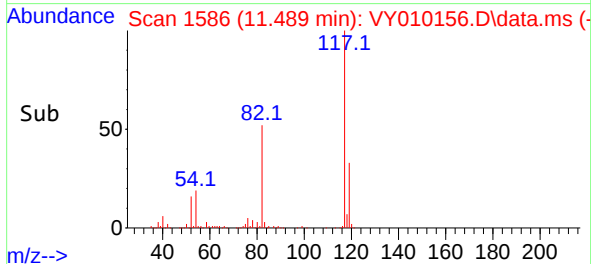
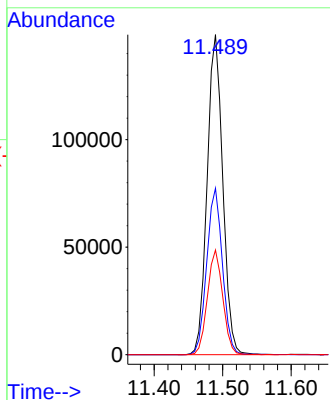
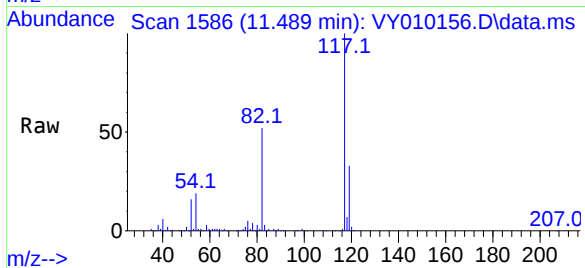




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

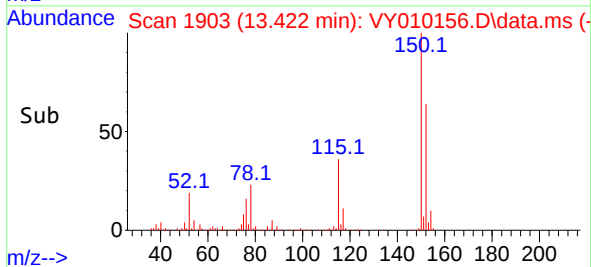
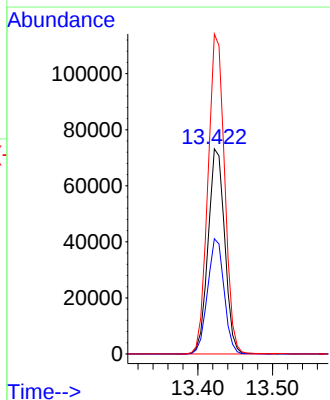
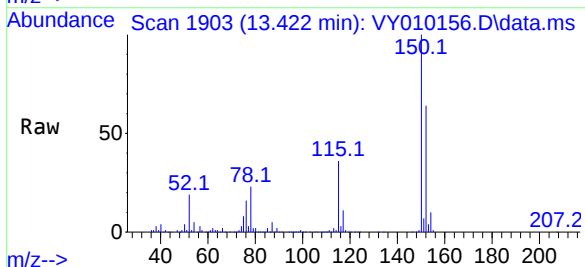
Instrument :
MSVOA_Y
ClientSampleId :
B-2

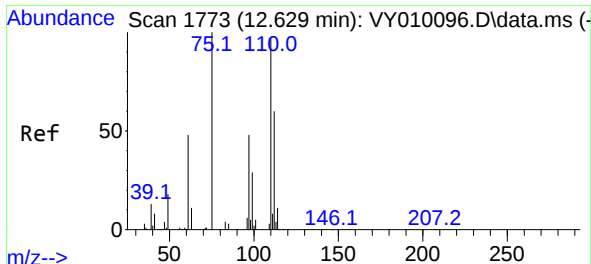
Tgt Ion:117 Resp: 236448
Ion Ratio Lower Upper
117 100
82 52.0 40.6 61.0
119 32.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

Tgt Ion:152 Resp: 112997
Ion Ratio Lower Upper
152 100
115 55.9 28.1 84.2
150 156.3 0.0 346.2

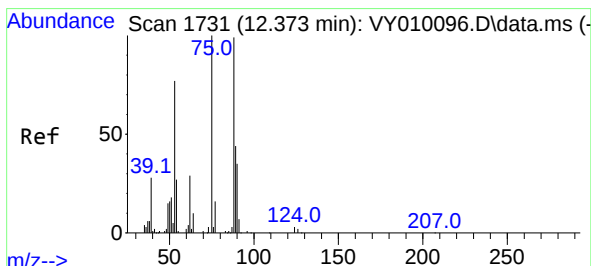
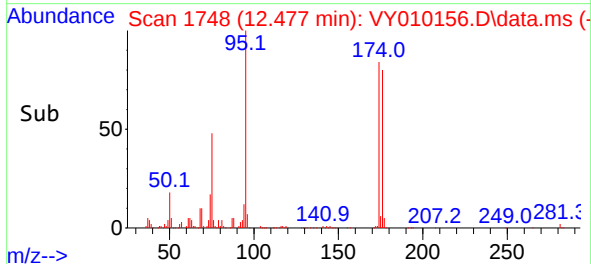
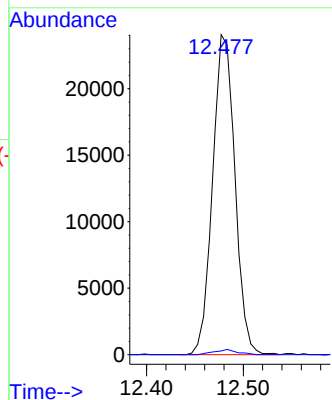
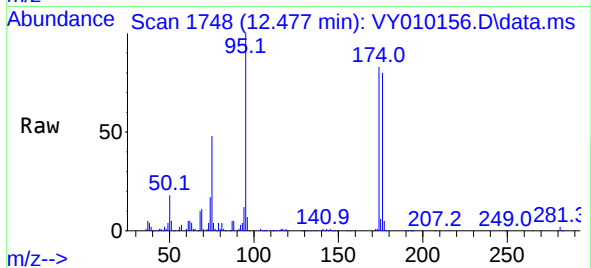




#76
1,2,3-Trichloropropane
Concen: 36.470 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

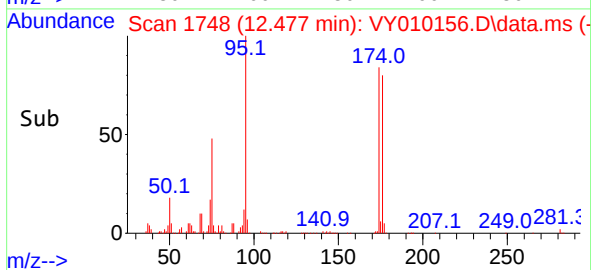
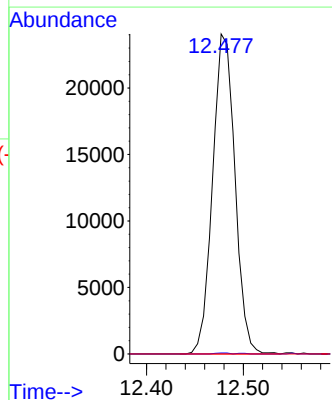
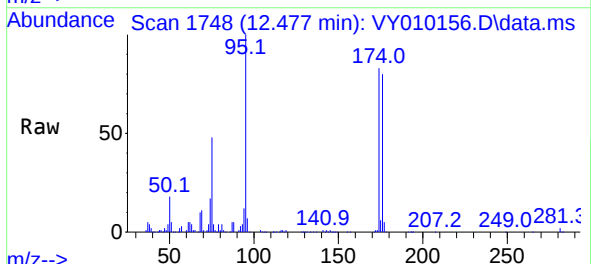
Instrument :
MSVOA_Y
ClientSampleId :
B-2

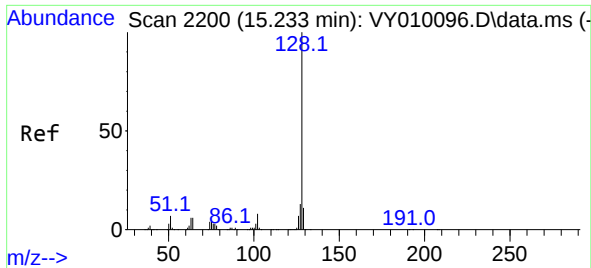
Tgt Ion: 75 Resp: 38594
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.250 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

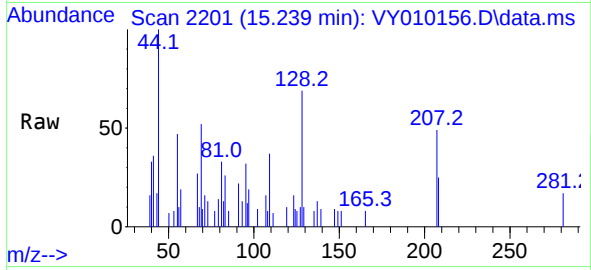
Tgt Ion: 75 Resp: 38594
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 36.8 55.2#





#95
Naphthalene
Concen: 4.089 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY010156.D
Acq: 22 Aug 2022 20:06

Instrument :
MSVOA_Y
ClientSampleId :
B-2



Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.0	10.2	15.2#
129	10.7	8.9	13.3

