

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010109.D
 Acq On : 19 Aug 2022 17:28
 Operator : KP/MD
 Sample : N4200-04
 Misc : 8.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S9

Quant Time: Aug 22 02:43:18 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	135791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	258619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	259554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125626	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	96751	86.986	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	173.980%#
35) Dibromofluoromethane	7.710	113	91219	62.596	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	125.200%
50) Toluene-d8	10.179	98	313648	57.439	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	114.880%
62) 4-Bromofluorobenzene	12.477	95	100997	51.767	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.540%

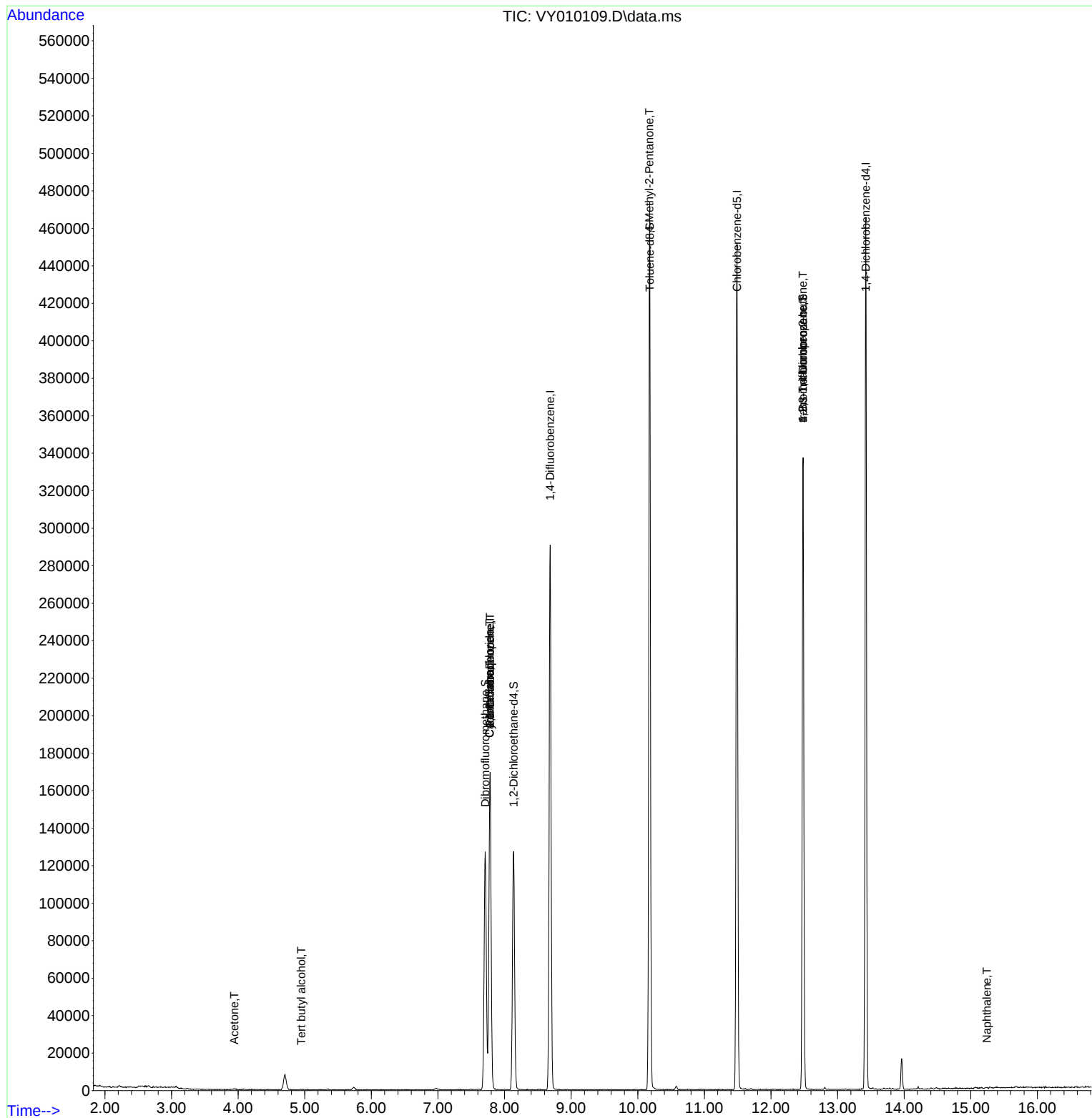
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	212	12.216	ug/l #	73
16) Acetone	3.942	43	737	2.647	ug/l	90
20) Methylene Chloride	4.692	84	6262	Below Cal	#	86
31) Cyclohexane	7.777	56	2523	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9826	4.224	ug/l #	47
38) Carbon Tetrachloride	7.777	117	12756	5.229	ug/l #	17
51) 4-Methyl-2-Pentanone	10.173	43	1173	1.017	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	49839	42.361	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	49839	85.083	ug/l #	18
95) Naphthalene	15.239	128	469	3.978	ug/l #	69

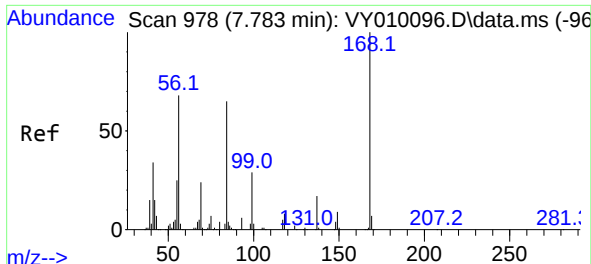
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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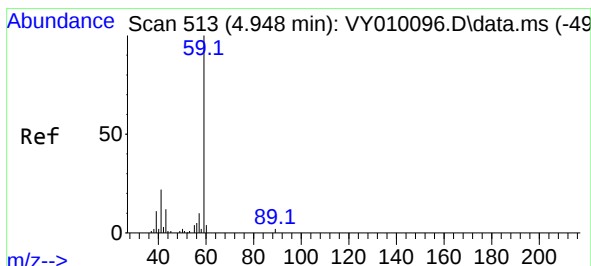
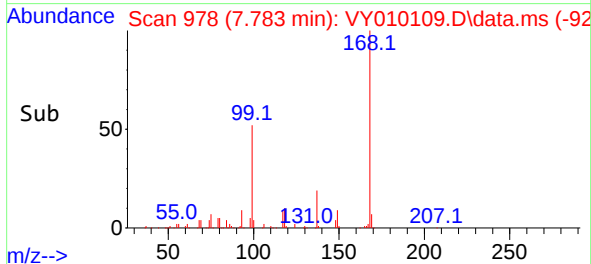
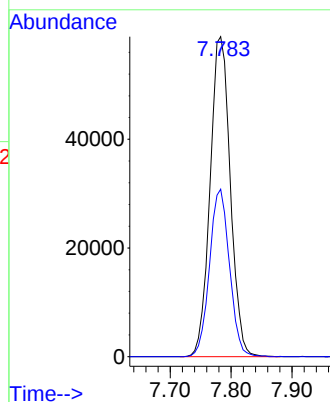
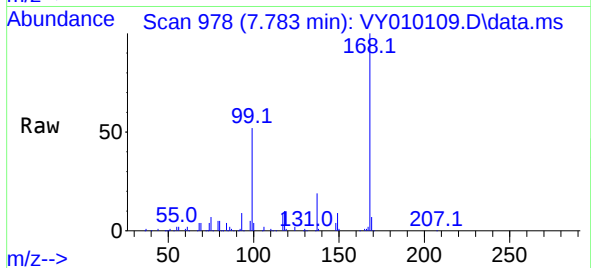




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

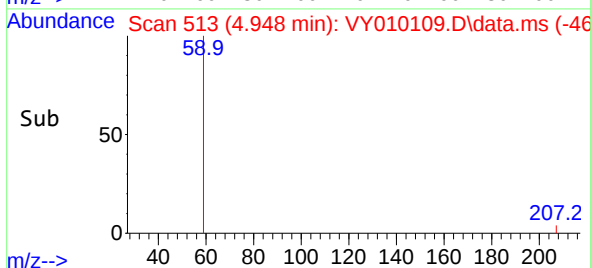
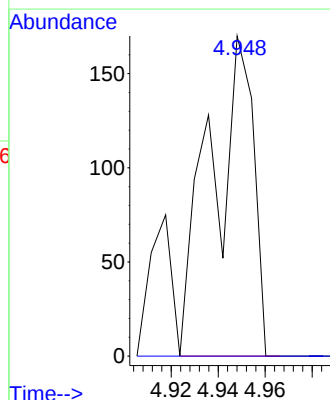
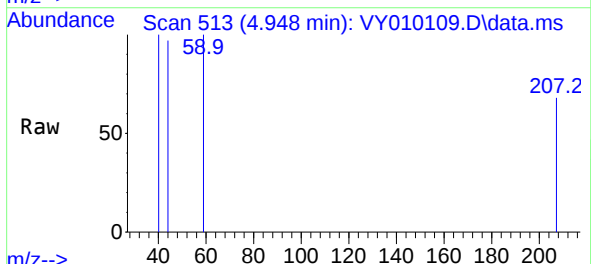
Instrument :
MSVOA_Y
ClientSampleId :
S9

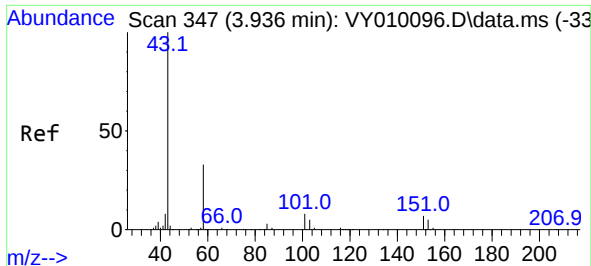
Tgt Ion:168 Resp: 135791
Ion Ratio Lower Upper
168 100
99 52.4 40.7 61.1



#11
Tert butyl alcohol
Concen: 12.216 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

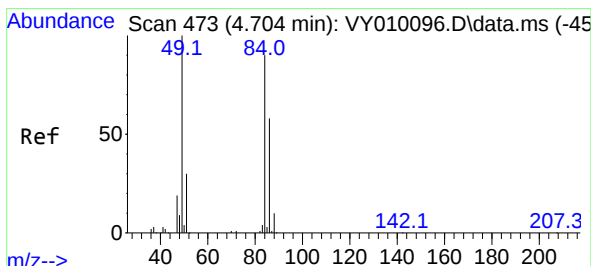
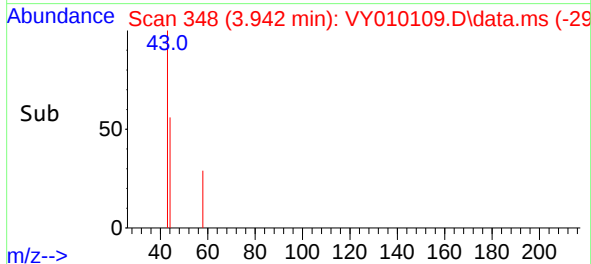
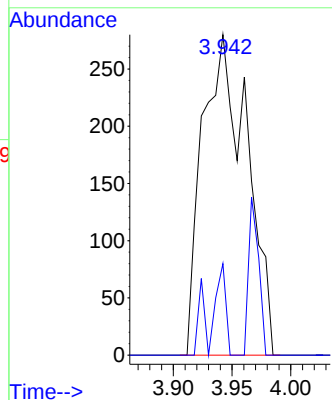
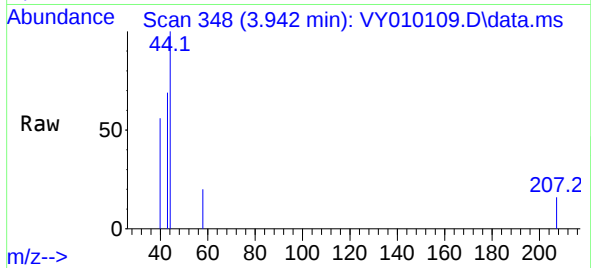




#16
Acetone
Concen: 2.647 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

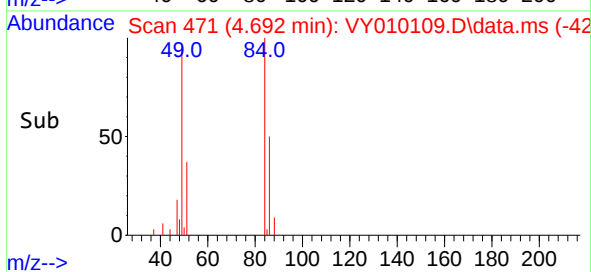
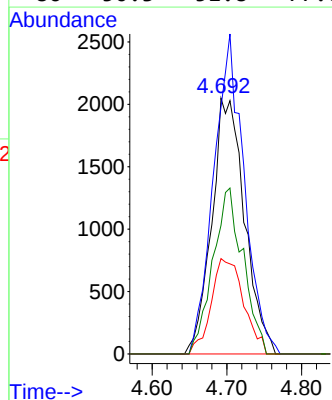
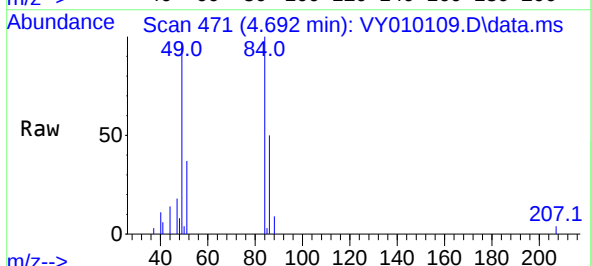
Instrument :
MSVOA_Y
ClientSampleId :
S9

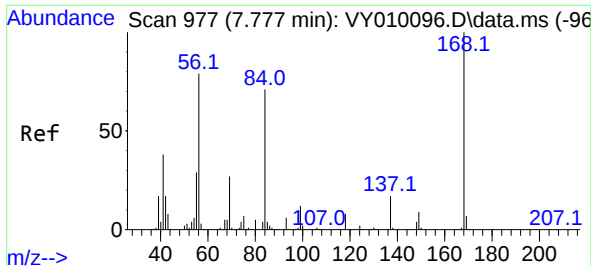
Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
58 28.6 27.4 41.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.692 min Scan# 471
Delta R.T. -0.012 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

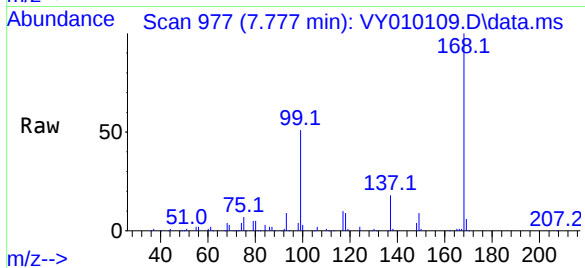
Tgt Ion: 84 Resp: 6262
Ion Ratio Lower Upper
84 100
49 96.5 89.0 133.4
51 37.3 27.0 40.6
86 50.3 51.8 77.6#



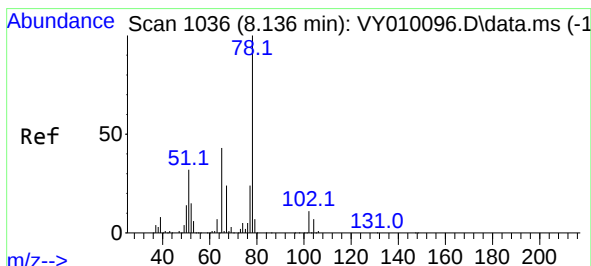
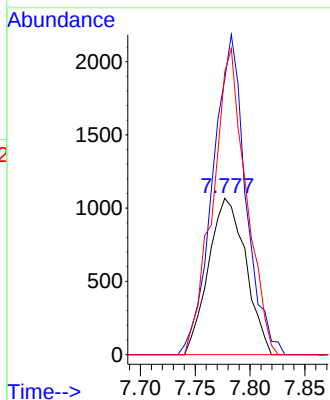
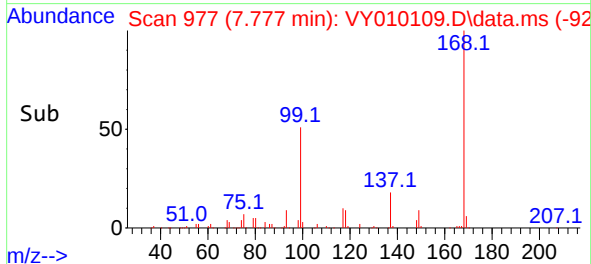


#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

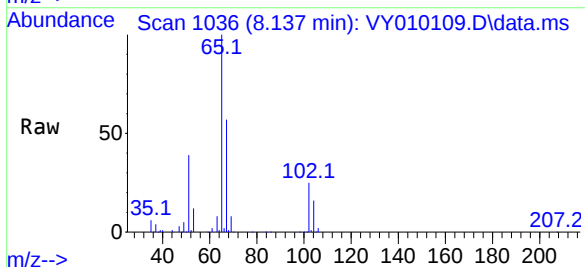
Instrument :
MSVOA_Y
ClientSampleId :
S9



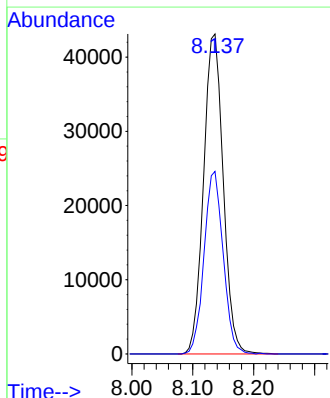
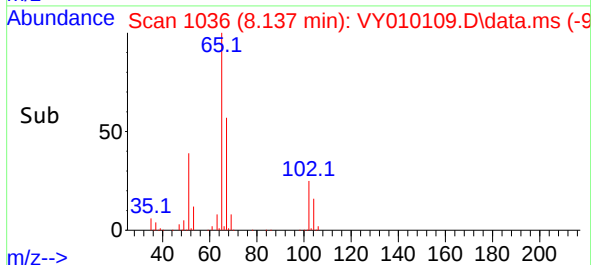
Tgt Ion: 56 Resp: 2523
Ion Ratio Lower Upper
56 100
69 176.3 27.3 40.9#
84 180.8 72.6 109.0#

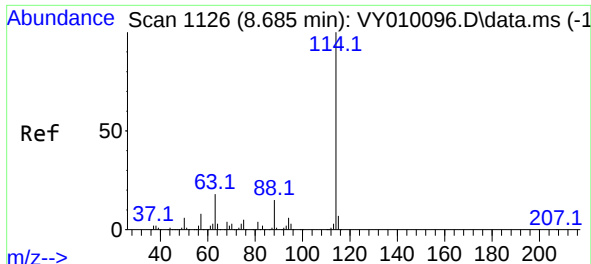


#33
1,2-Dichloroethane-d4
Concen: 86.986 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28



Tgt Ion: 65 Resp: 96751
Ion Ratio Lower Upper
65 100
67 55.3 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: VY010109.D

Acq: 19 Aug 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

S9

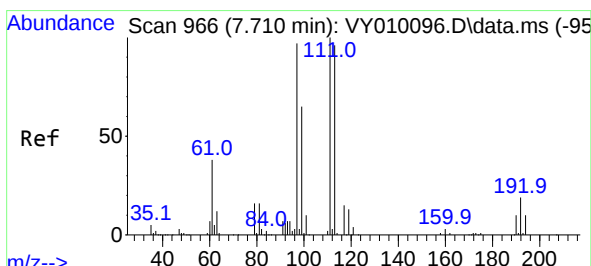
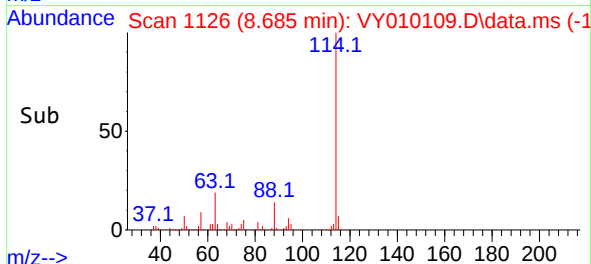
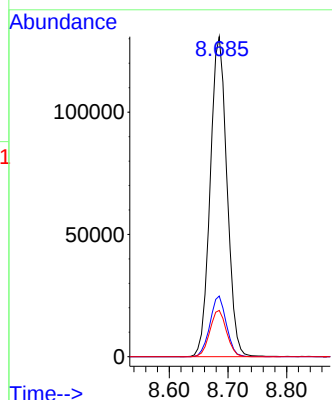
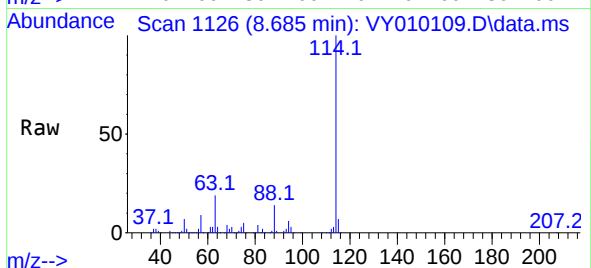
Tgt Ion:114 Resp: 258619

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.6

88 14.5 0.0 29.6



#35

Dibromofluoromethane

Concen: 62.596 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010109.D

Acq: 19 Aug 2022 17:28

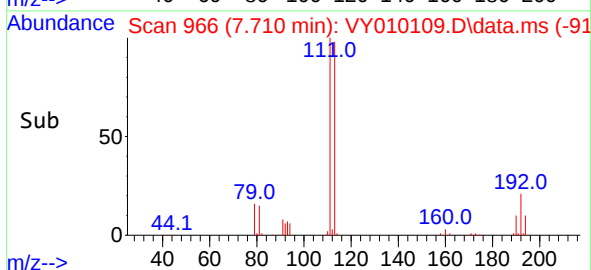
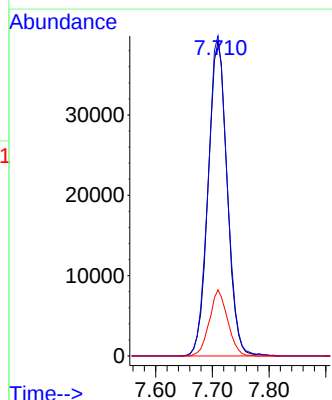
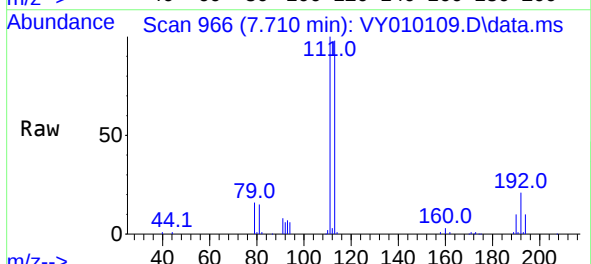
Tgt Ion:113 Resp: 91219

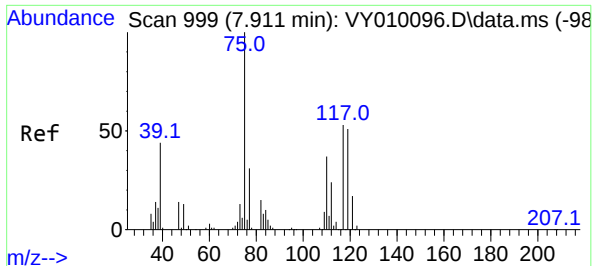
Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

192 20.2 16.3 24.5





#36

1,1-Dichloropropene

Concen: 4.224 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010109.D

Acq: 19 Aug 2022 17:28

Instrument :

MSVOA_Y

ClientSampleId :

S9

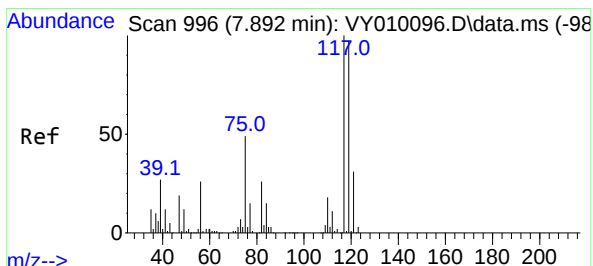
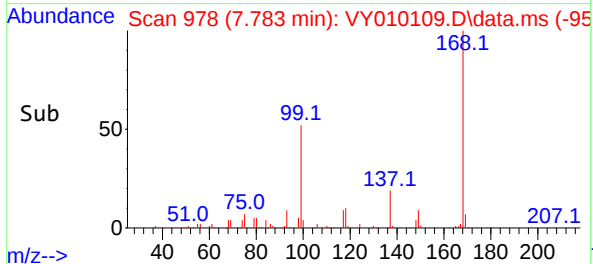
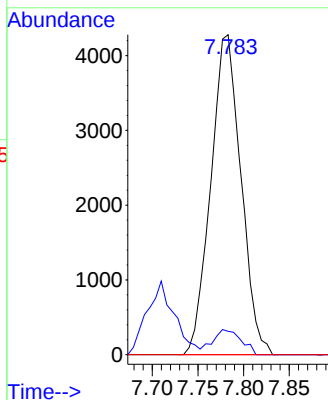
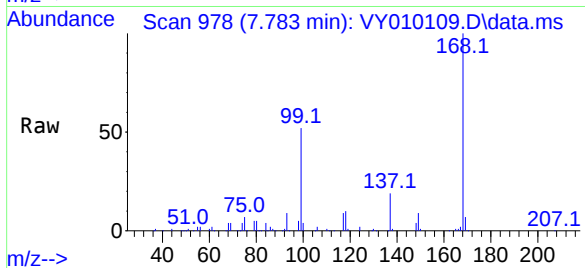
Tgt Ion: 75 Resp: 9826

Ion Ratio Lower Upper

75 100

110 7.3 18.6 56.0#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.229 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.115 min

Lab File: VY010109.D

Acq: 19 Aug 2022 17:28

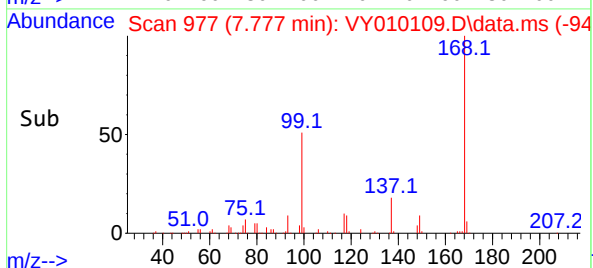
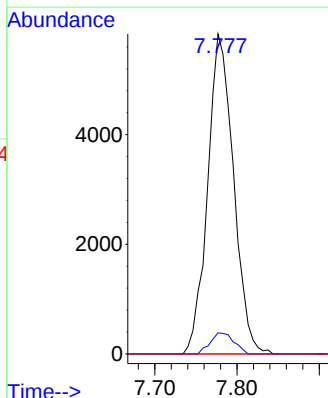
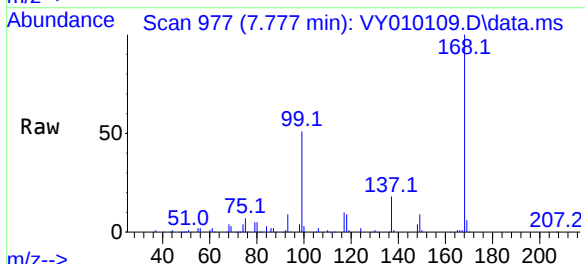
Tgt Ion: 117 Resp: 12756

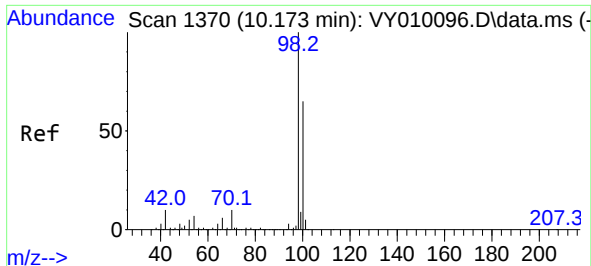
Ion Ratio Lower Upper

117 100

119 6.6 77.1 115.7#

121 0.0 24.7 37.1#

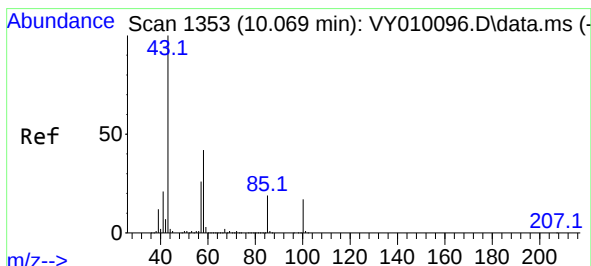
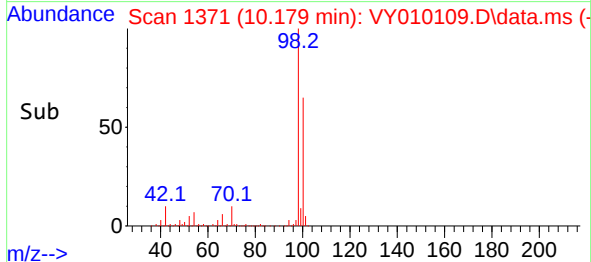
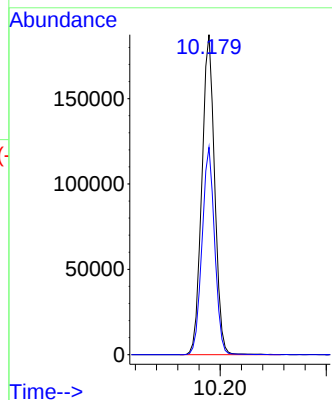
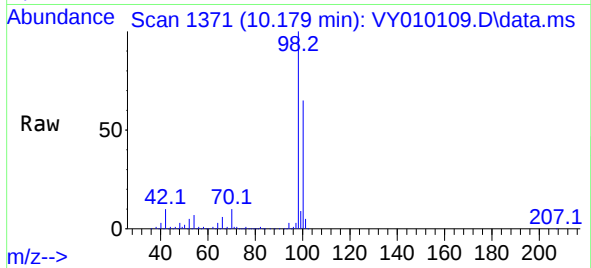




#50
Toluene-d8
Concen: 57.439 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

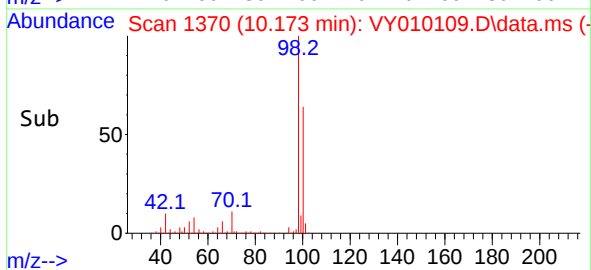
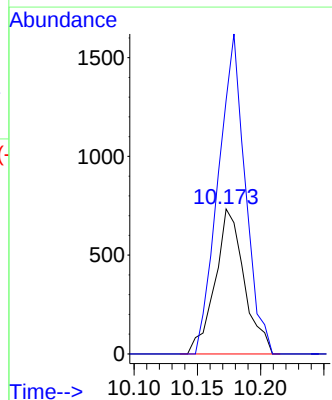
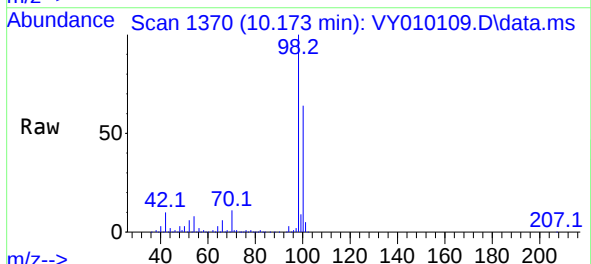
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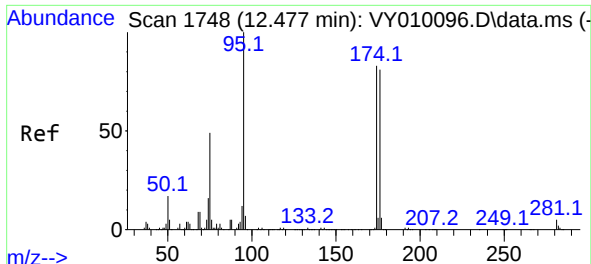
Tgt Ion: 98 Resp: 313648
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.017 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

Tgt Ion: 43 Resp: 1173
Ion Ratio Lower Upper
43 100
58 205.2 33.3 49.9#

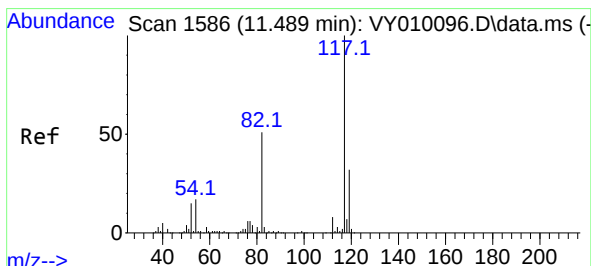
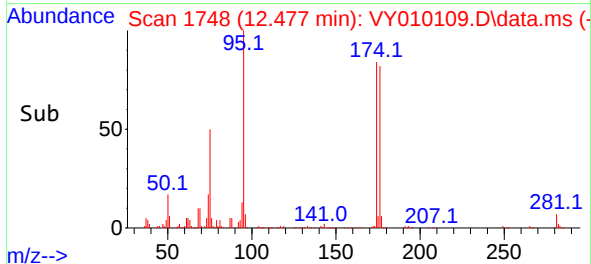
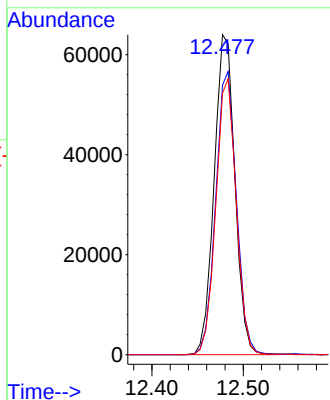
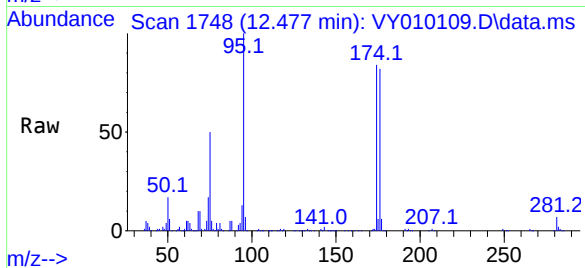




#62
4-Bromofluorobenzene
Concen: 51.767 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

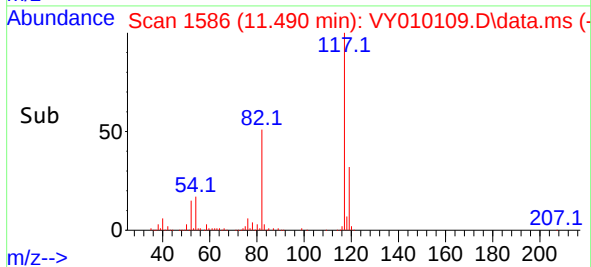
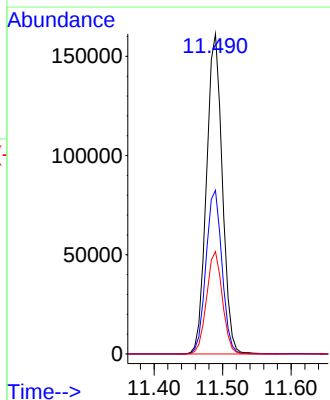
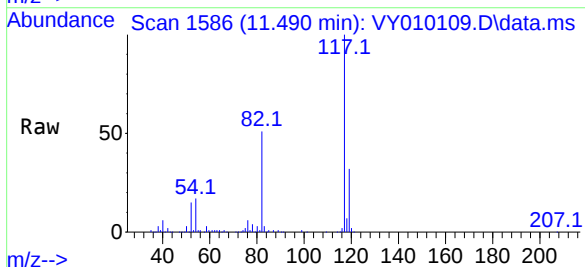
Instrument :
MSVOA_Y
ClientSampleId :
S9

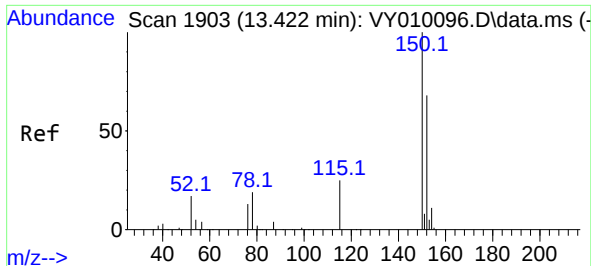
Tgt Ion: 95 Resp: 100997
Ion Ratio Lower Upper
95 100
174 88.3 0.0 173.8
176 84.8 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

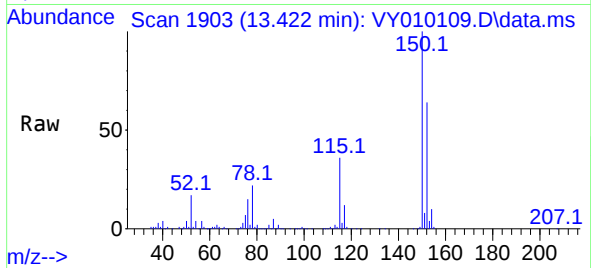
Tgt Ion: 117 Resp: 259554
Ion Ratio Lower Upper
117 100
82 51.2 40.6 61.0
119 32.0 25.8 38.8



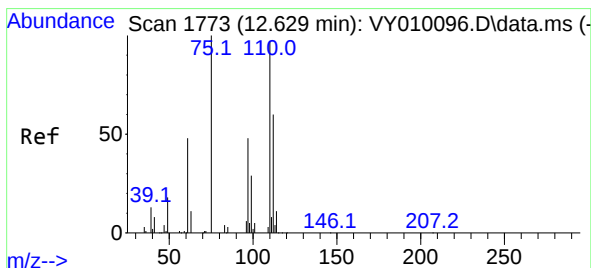
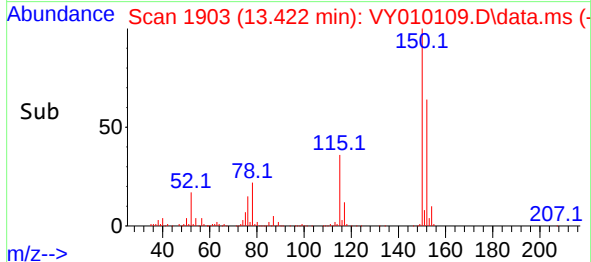
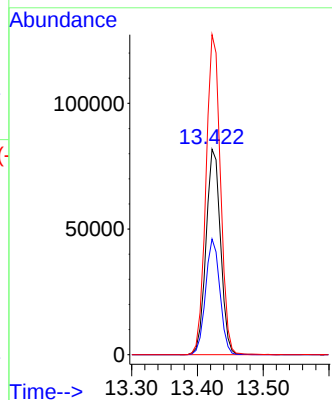


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

Instrument :
MSVOA_Y
ClientSampleId :
S9

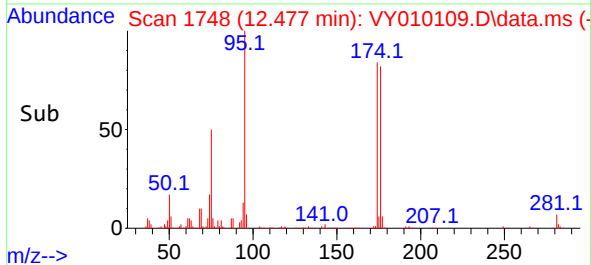
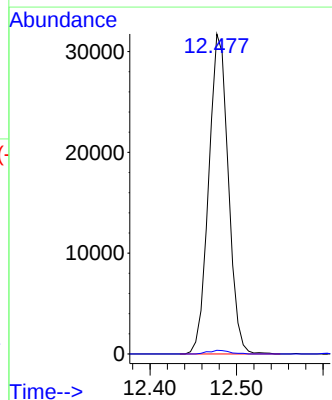
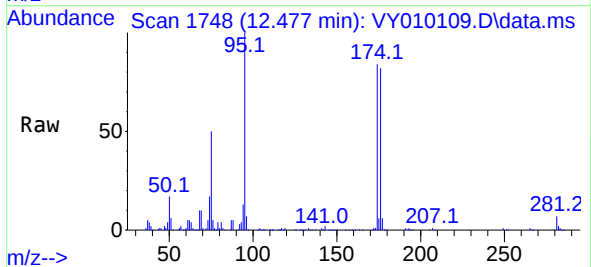


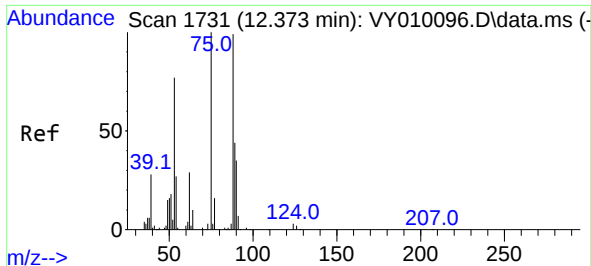
Tgt Ion:152 Resp: 125626
Ion Ratio Lower Upper
152 100
115 55.5 28.1 84.2
150 155.1 0.0 346.2



#76
1,2,3-Trichloropropane
Concen: 42.361 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

Tgt Ion: 75 Resp: 49839
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

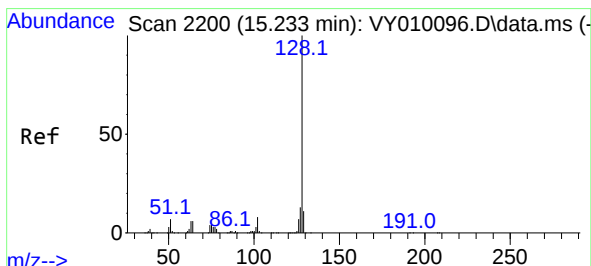
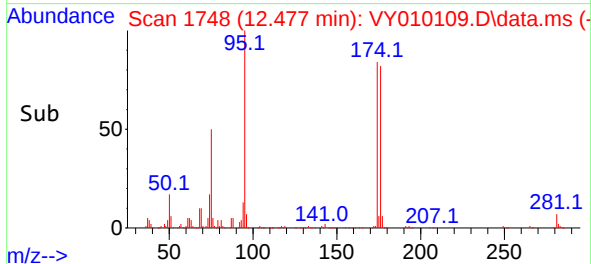
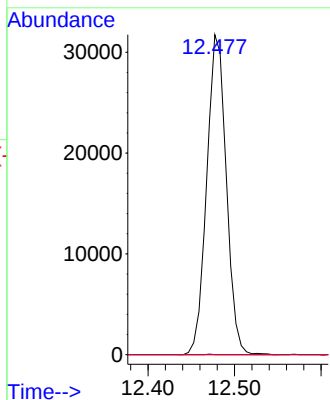
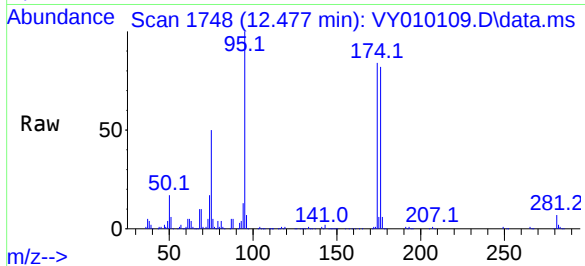




#81
trans-1,4-Dichloro-2-butene
Concen: 85.083 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

Instrument :
MSVOA_Y
ClientSampleId :
S9

Tgt Ion: 75 Resp: 49839
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 3.978 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010109.D
Acq: 19 Aug 2022 17:28

Tgt Ion: 128 Resp: 469
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.9 13.3#

