

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072222\
 Data File : VY009664.D
 Acq On : 22 Jul 2022 16:59
 Operator : KP/MD
 Sample : N3837-01
 Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PX-1

Quant Time: Jul 23 00:55:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

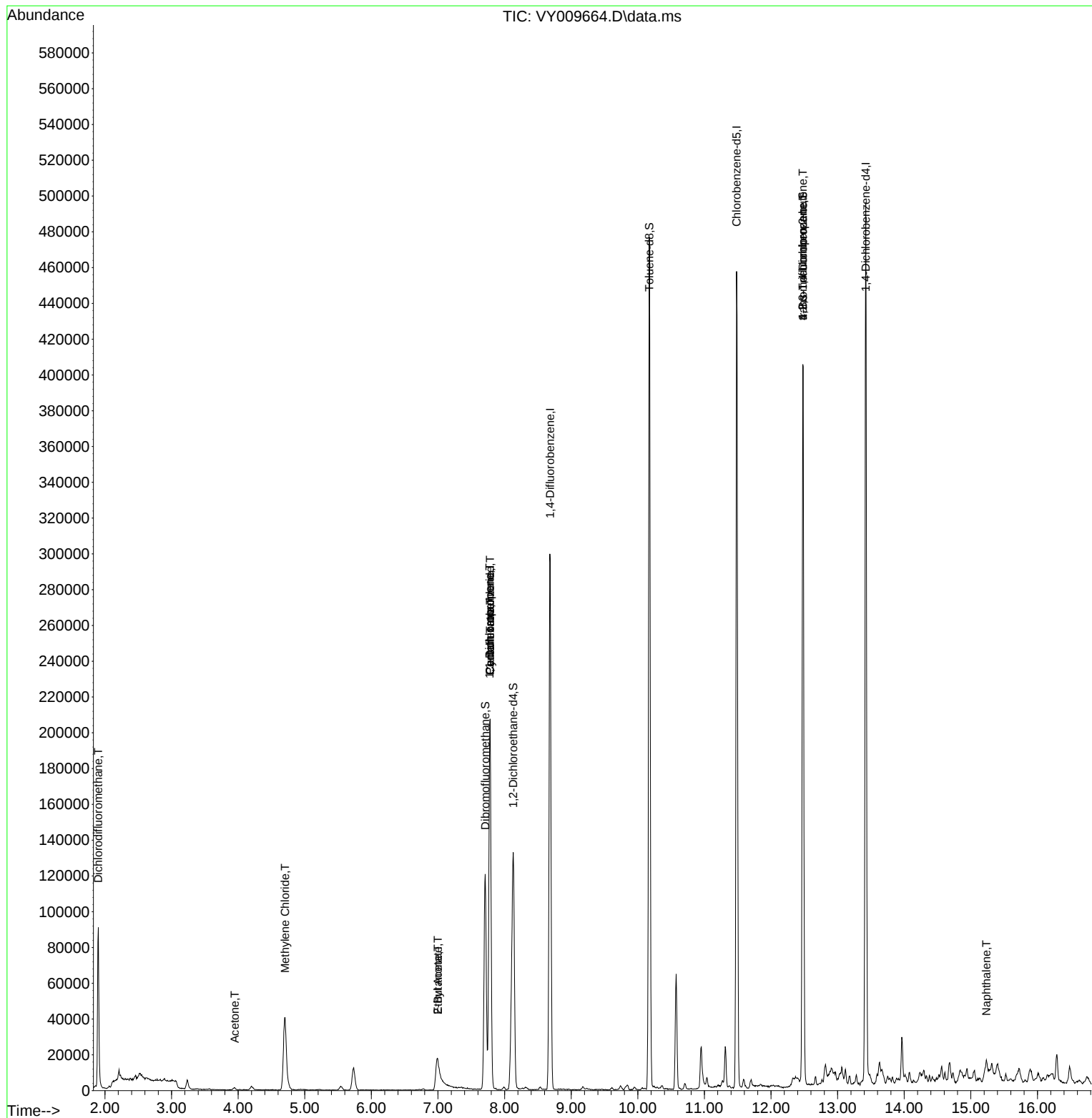
Internal Standards						
1) Pentafluorobenzene	7.783	168	176275	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	272109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	260186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	87239	52.329	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.660%	
35) Dibromofluoromethane	7.710	113	85335	49.779	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.560%	
50) Toluene-d8	10.173	98	312105	47.359	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 94.720%	
62) 4-Bromofluorobenzene	12.477	95	109588	51.319	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 102.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	71948	46.516	ug/l	99
11) Tert butyl alcohol	4.936	59	582	Below Cal	#	77
16) Acetone	3.948	43	2122	5.032	ug/l	92
20) Methylene Chloride	4.704	84	31675	6.326	ug/l	# 81
25) 2-Butanone	6.996	43	1626	2.643	ug/l	# 54
31) Cyclohexane	7.783	56	3282	1.116	ug/l	# 1
36) 1,1-Dichloropropene	7.777	75	11729	4.630	ug/l	# 51
37) Ethyl Acetate	6.996	43	1626	1.153	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	15528	5.856	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	55640	43.953	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	55640	86.666	ug/l	# 7
95) Naphthalene	15.233	128	7903	1.649	ug/l	# 85

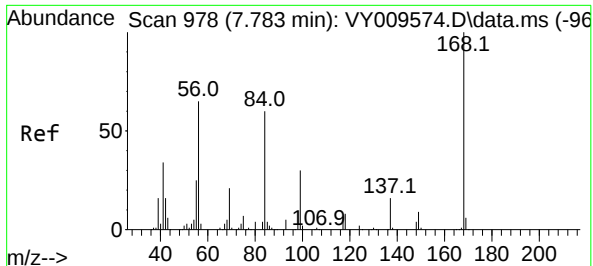
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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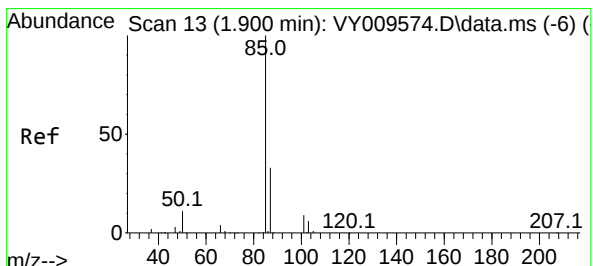
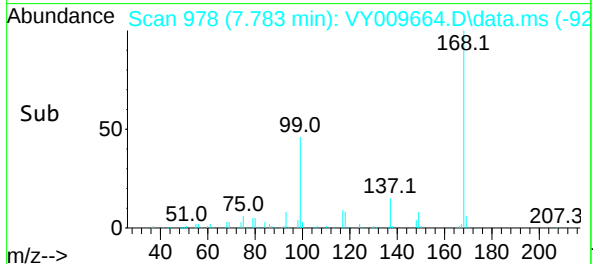
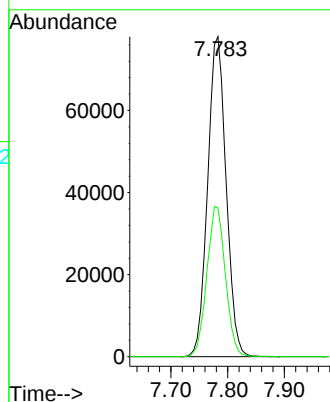
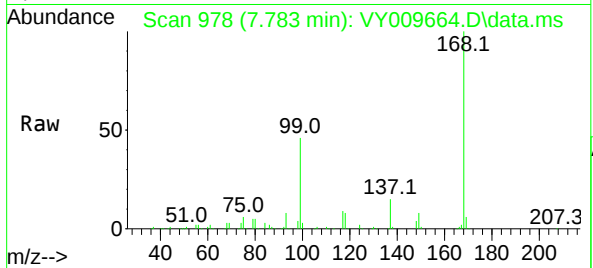




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

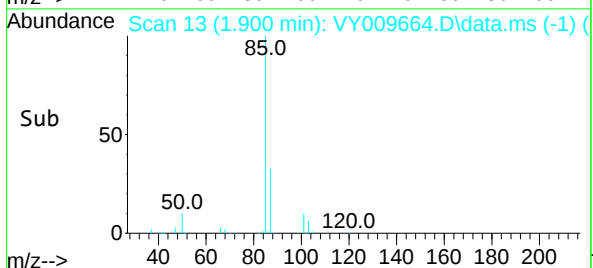
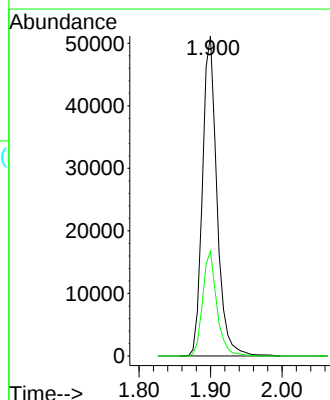
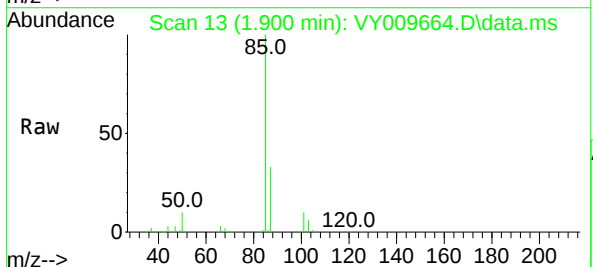
Instrument :
MSVOA_Y
ClientSampleId :
PX-1

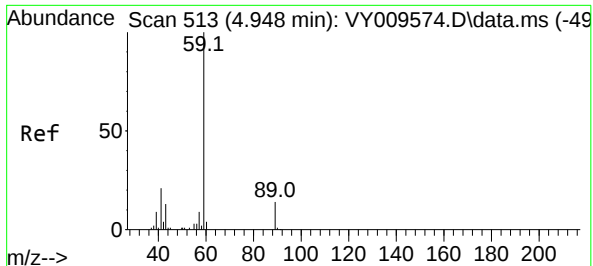
Tgt Ion:168 Resp: 176275
Ion Ratio Lower Upper
168 100
99 46.5 46.9 70.3#



#2
Dichlorodifluoromethane
Concen: 46.516 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

Tgt Ion: 85 Resp: 71948
Ion Ratio Lower Upper
85 100
87 32.8 16.1 48.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY009664.D

Acq: 22 Jul 2022 16:59

Instrument :

MSVOA_Y

ClientSampleId :

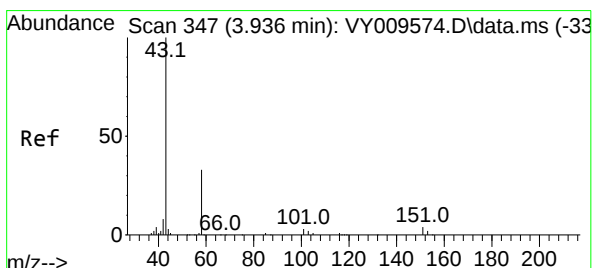
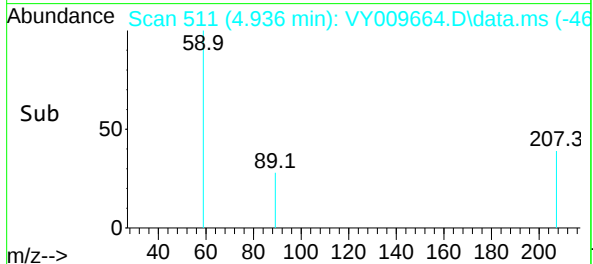
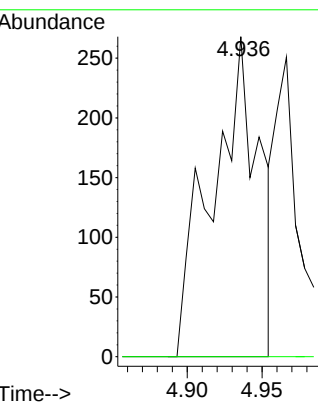
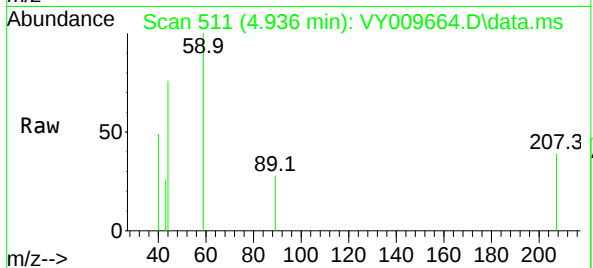
PX-1

Tgt Ion: 59 Resp: 582

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 5.032 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.012 min

Lab File: VY009664.D

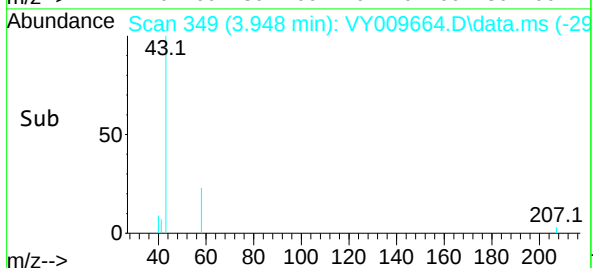
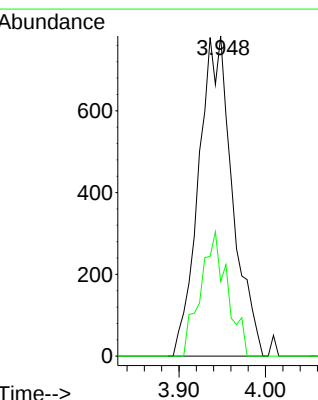
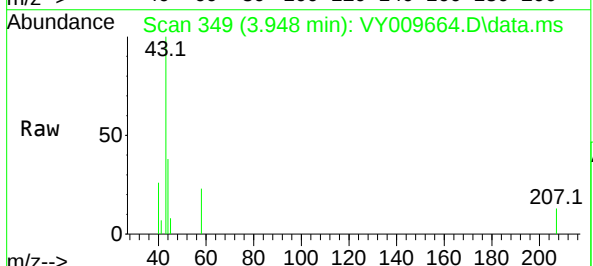
Acq: 22 Jul 2022 16:59

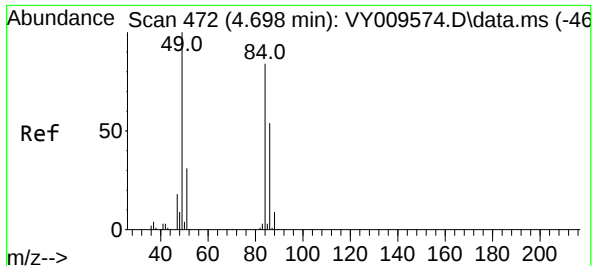
Tgt Ion: 43 Resp: 2122

Ion Ratio Lower Upper

43 100

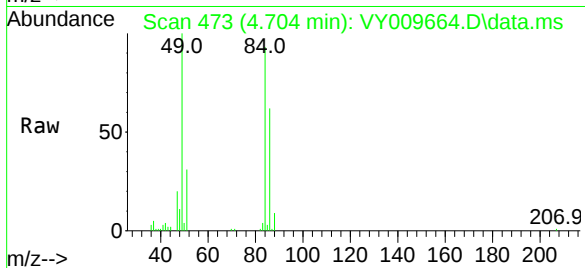
58 23.4 22.0 33.0



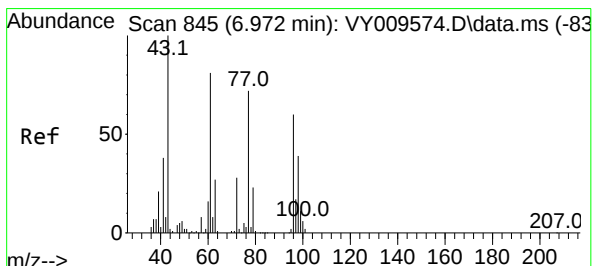
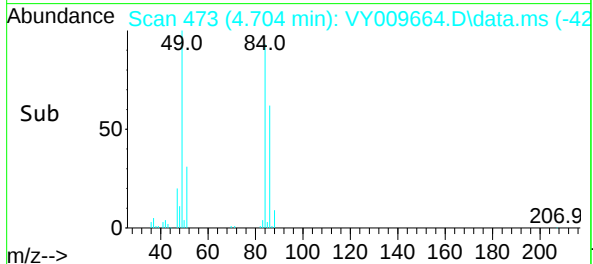
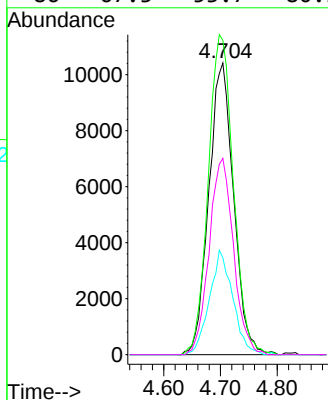


#20
Methylene Chloride
Concen: 6.326 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

Instrument :
MSVOA_Y
ClientSampleId :
PX-1

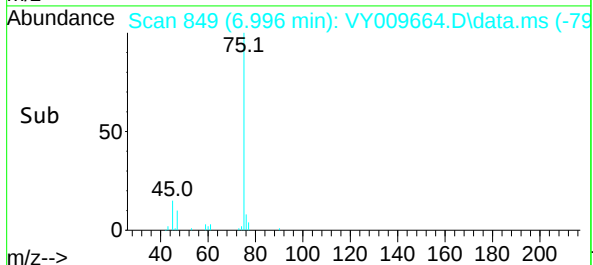
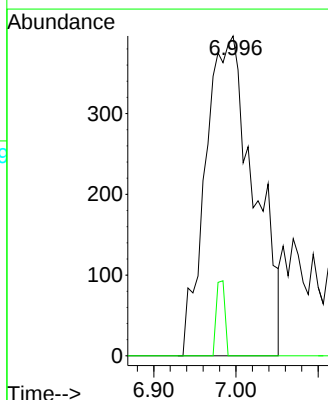
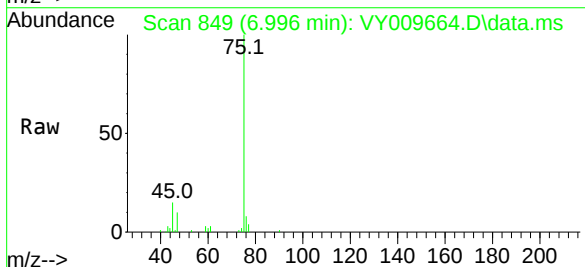


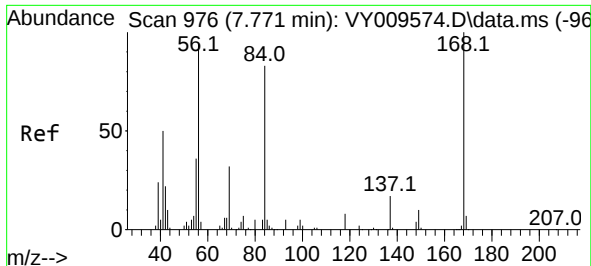
Tgt Ion: 84 Resp: 31675
Ion Ratio Lower Upper
84 100
49 107.8 114.4 171.6#
51 33.3 35.3 52.9#
86 67.3 53.7 80.5



#25
2-Butanone
Concen: 2.643 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.024 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

Tgt Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

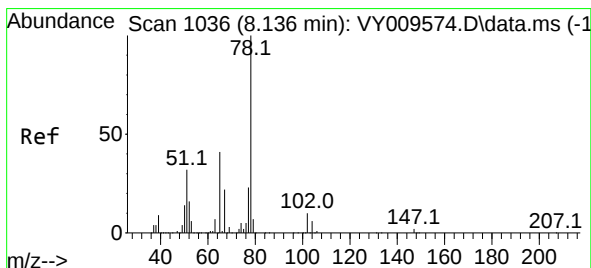
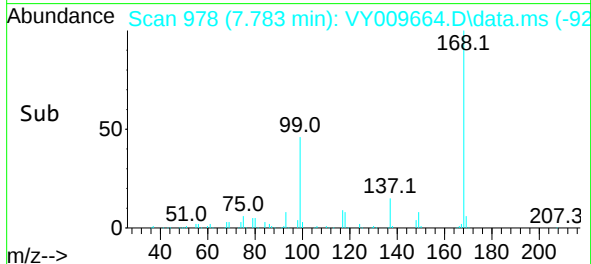
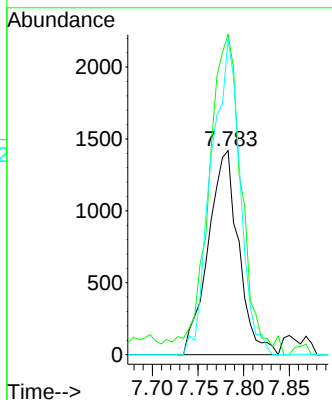
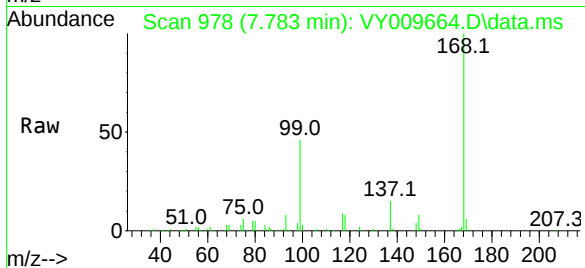




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

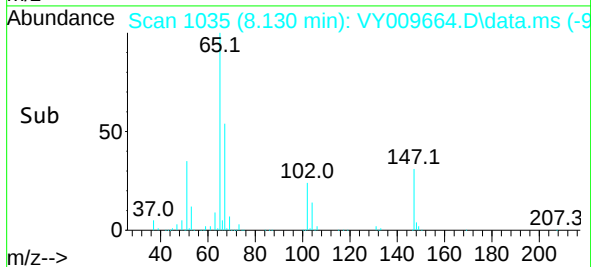
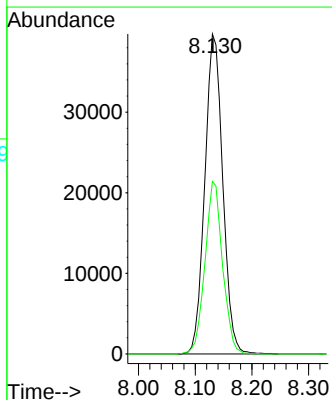
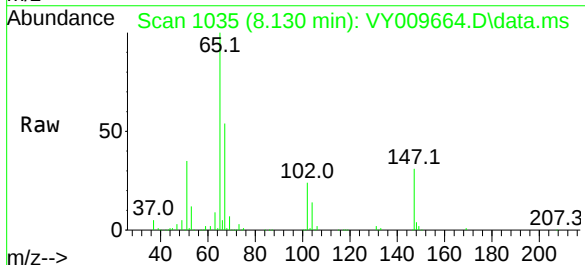
Instrument :
MSVOA_Y
ClientSampleId :
PX-1

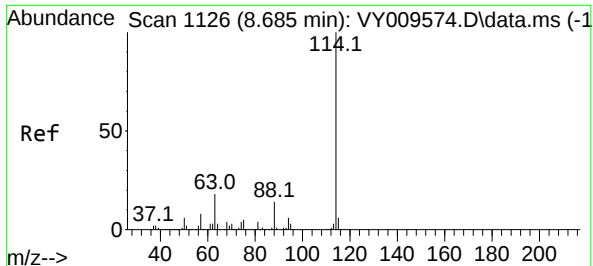
Tgt Ion: 56 Resp: 3282
Ion Ratio Lower Upper
56 100
69 148.1 26.7 40.1#
84 154.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.329 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

Tgt Ion: 65 Resp: 87239
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009664.D

Acq: 22 Jul 2022 16:59

Instrument :

MSVOA_Y

ClientSampleId :

PX-1

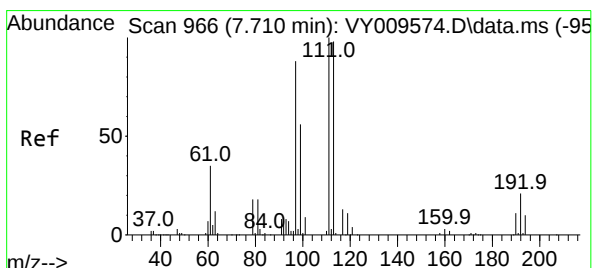
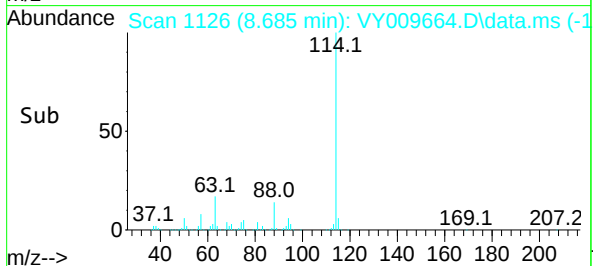
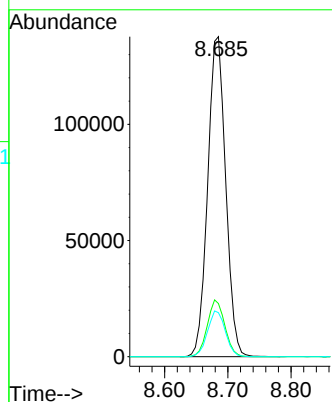
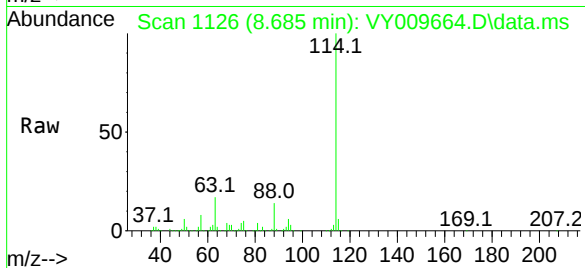
Tgt Ion:114 Resp: 272109

Ion Ratio Lower Upper

114 100

63 16.6 0.0 43.2

88 13.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.779 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009664.D

Acq: 22 Jul 2022 16:59

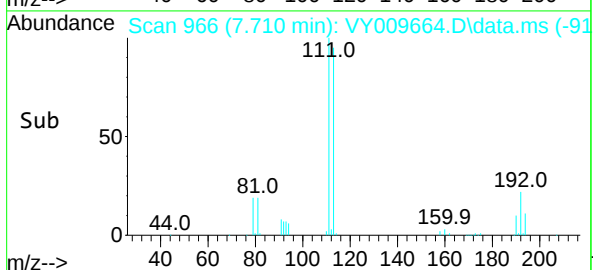
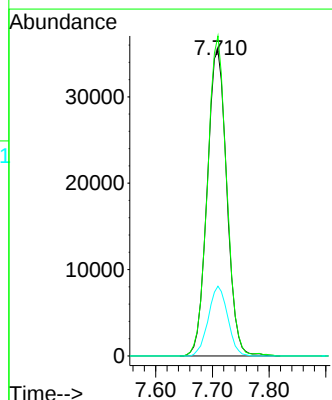
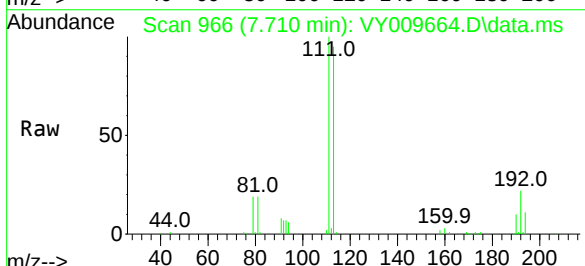
Tgt Ion:113 Resp: 85335

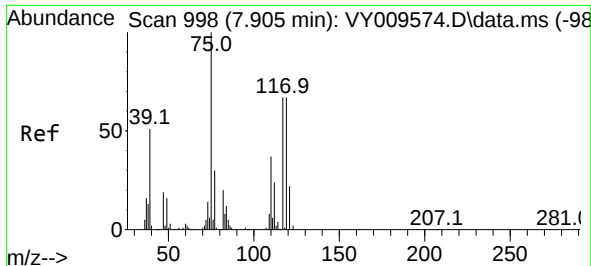
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 22.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.630 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009664.D

Acq: 22 Jul 2022 16:59

Instrument :

MSVOA_Y

ClientSampleId :

PX-1

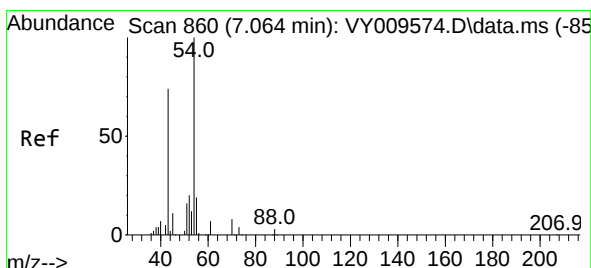
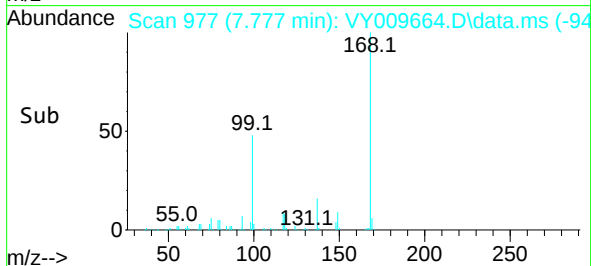
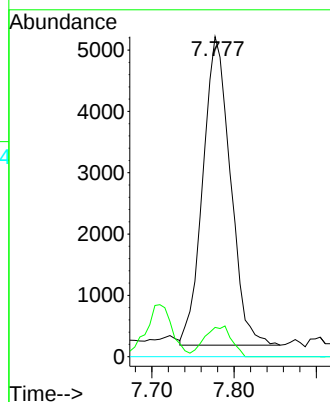
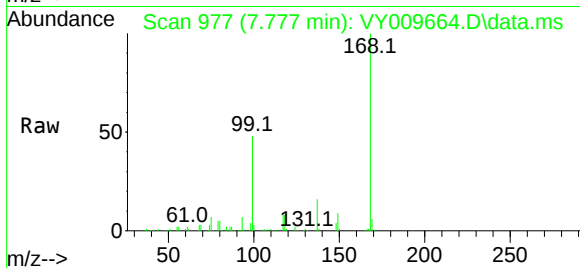
Tgt Ion: 75 Resp: 11729

Ion Ratio Lower Upper

75 100

110 9.7 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.153 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.067 min

Lab File: VY009664.D

Acq: 22 Jul 2022 16:59

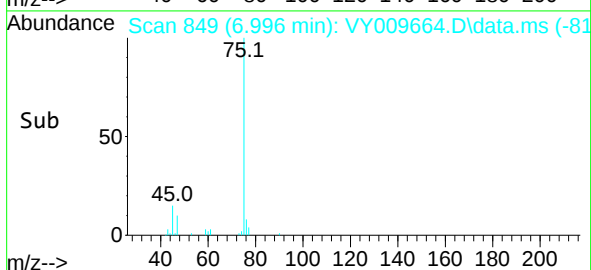
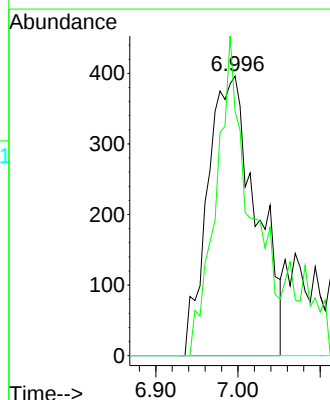
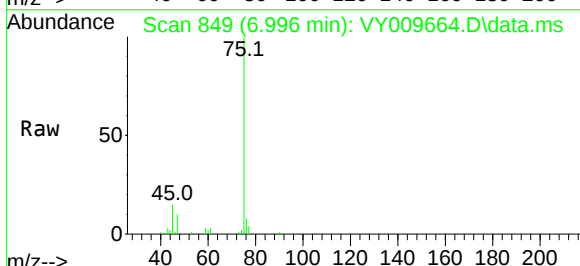
Tgt Ion: 43 Resp: 1626

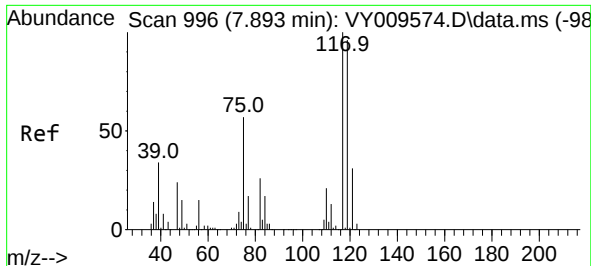
Ion Ratio Lower Upper

43 100

61 82.0 9.7 14.5#

70 0.0 7.1 10.7#

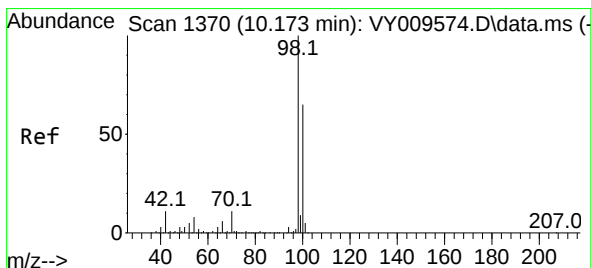
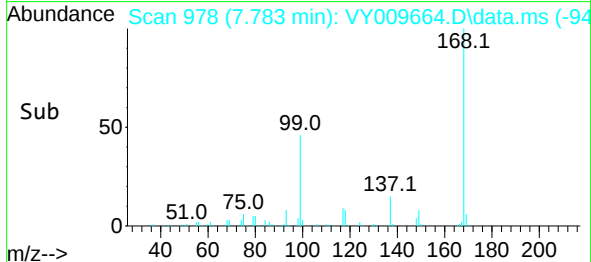
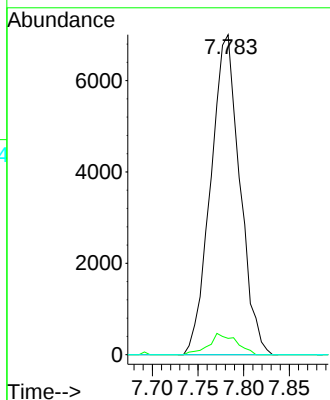
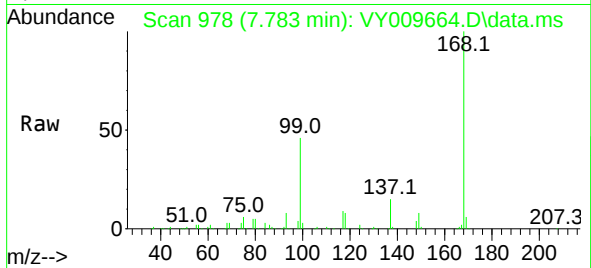




#38
Carbon Tetrachloride
Concen: 5.856 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

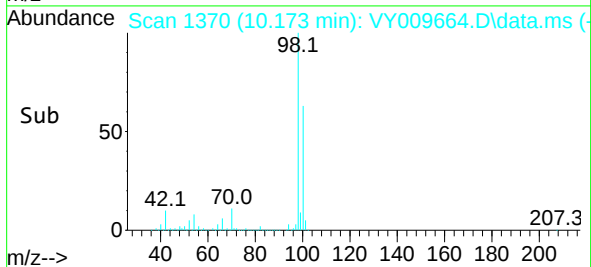
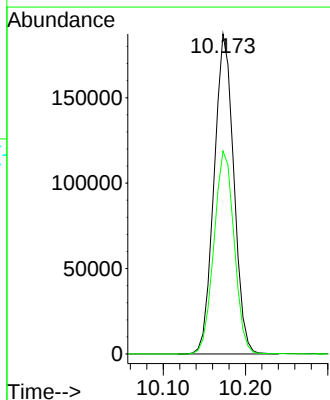
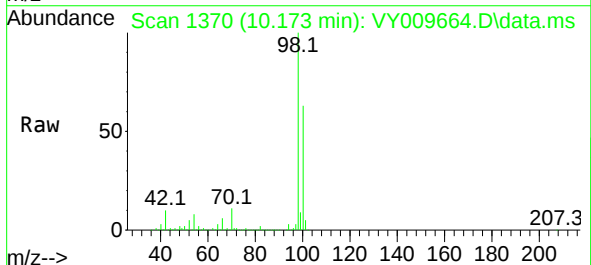
Instrument :
MSVOA_Y
ClientSampleId :
PX-1

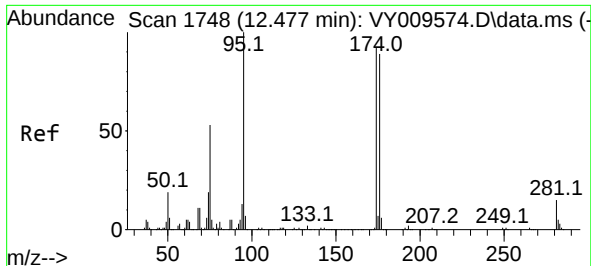
Tgt Ion:117 Resp: 15528
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.359 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

Tgt Ion: 98 Resp: 312105
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

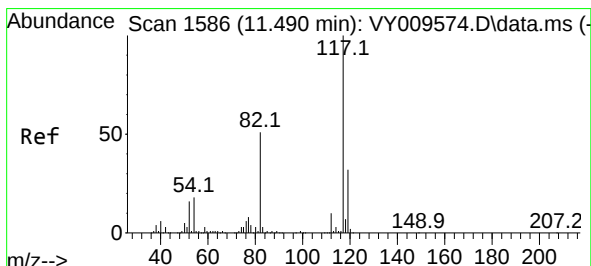
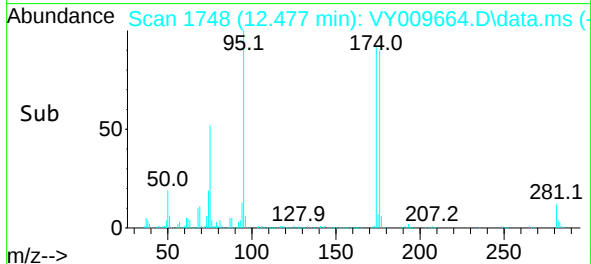
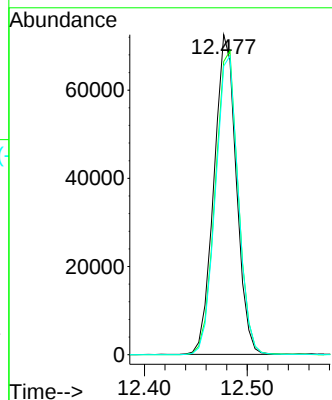
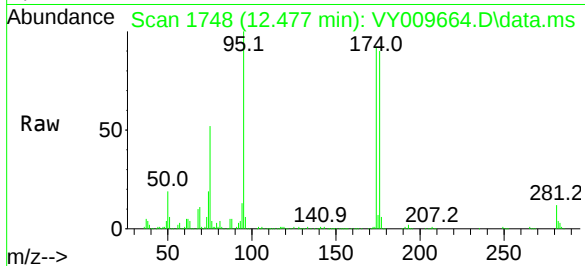




#62
4-Bromofluorobenzene
Concen: 51.319 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

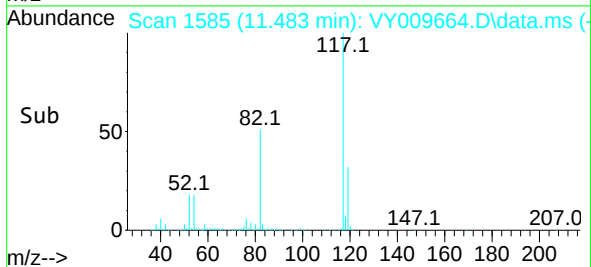
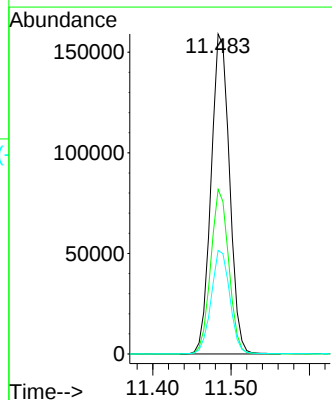
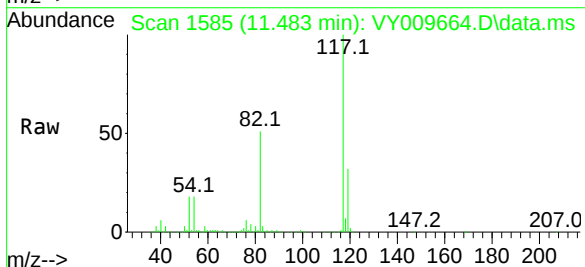
Instrument :
MSVOA_Y
ClientSampleId :
PX-1

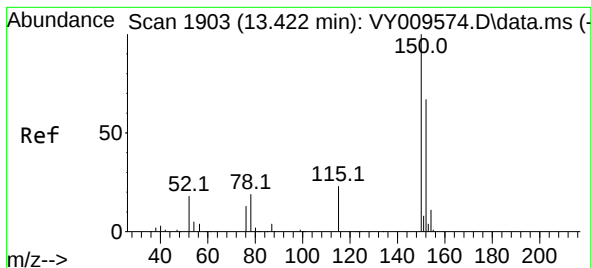
Tgt Ion: 95 Resp: 109588
Ion Ratio Lower Upper
95 100
174 97.1 0.0 177.0
176 94.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

Tgt Ion: 117 Resp: 260186
Ion Ratio Lower Upper
117 100
82 51.4 43.0 64.4
119 32.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY009664.D

Acq: 22 Jul 2022 16:59

Instrument :

MSVOA_Y

ClientSampleId :

PX-1

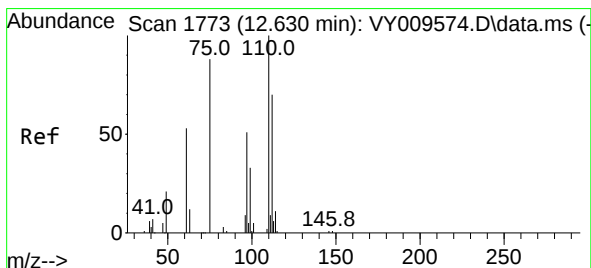
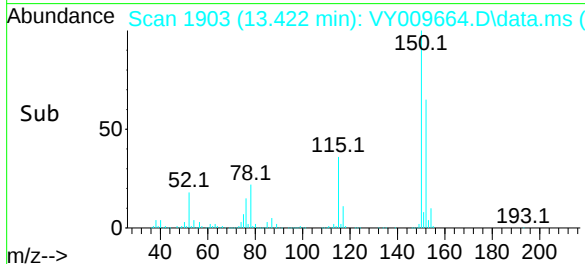
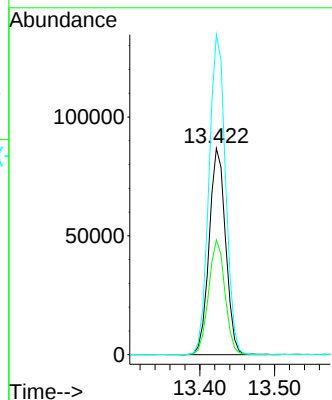
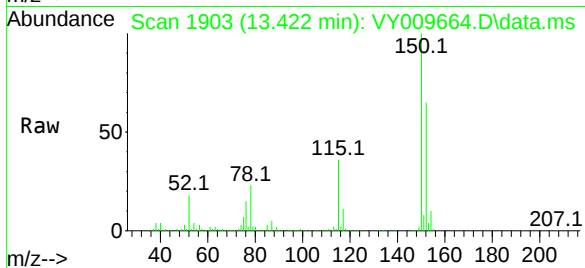
Tgt Ion:152 Resp: 132888

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

150 156.1 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 43.953 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009664.D

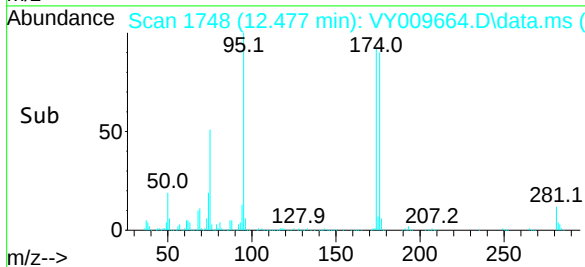
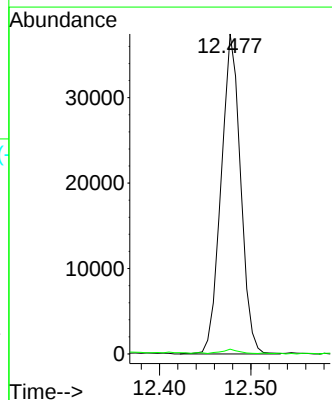
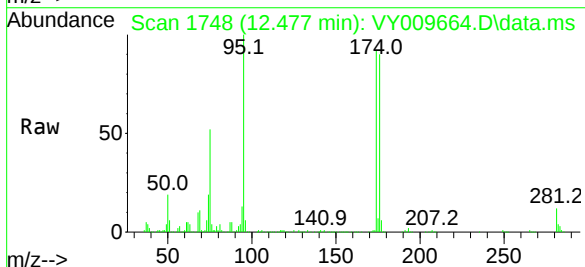
Acq: 22 Jul 2022 16:59

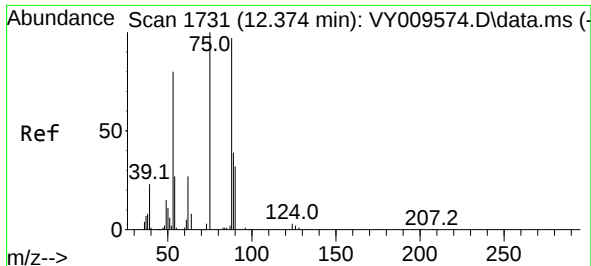
Tgt Ion: 75 Resp: 55640

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

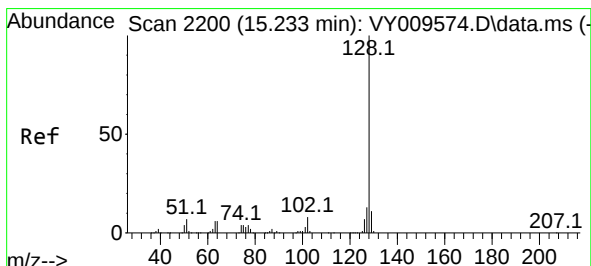
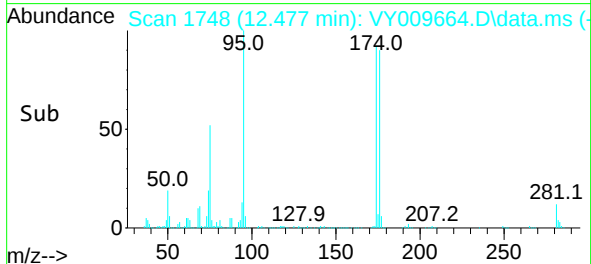
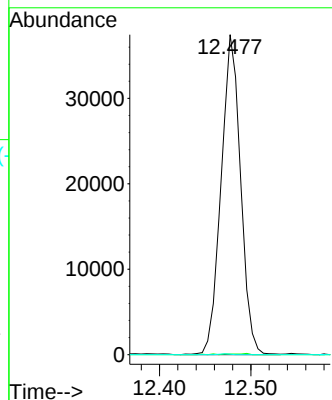
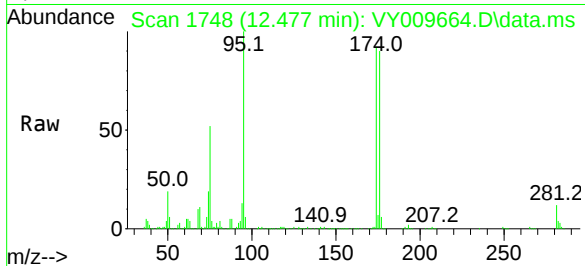




#81
trans-1,4-Dichloro-2-butene
Concen: 86.666 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

Instrument :
MSVOA_Y
ClientSampleId :
PX-1

Tgt Ion: 75 Resp: 55640
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 1.649 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009664.D
Acq: 22 Jul 2022 16:59

Tgt Ion: 128 Resp: 7903
Ion Ratio Lower Upper
128 100
127 19.6 11.0 16.4#
129 16.7 8.4 12.6#

