

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010772.D
 Acq On : 03 Oct 2022 17:35
 Operator : KP/MD
 Sample : N4907-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-222

Quant Time: Oct 04 07:33:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

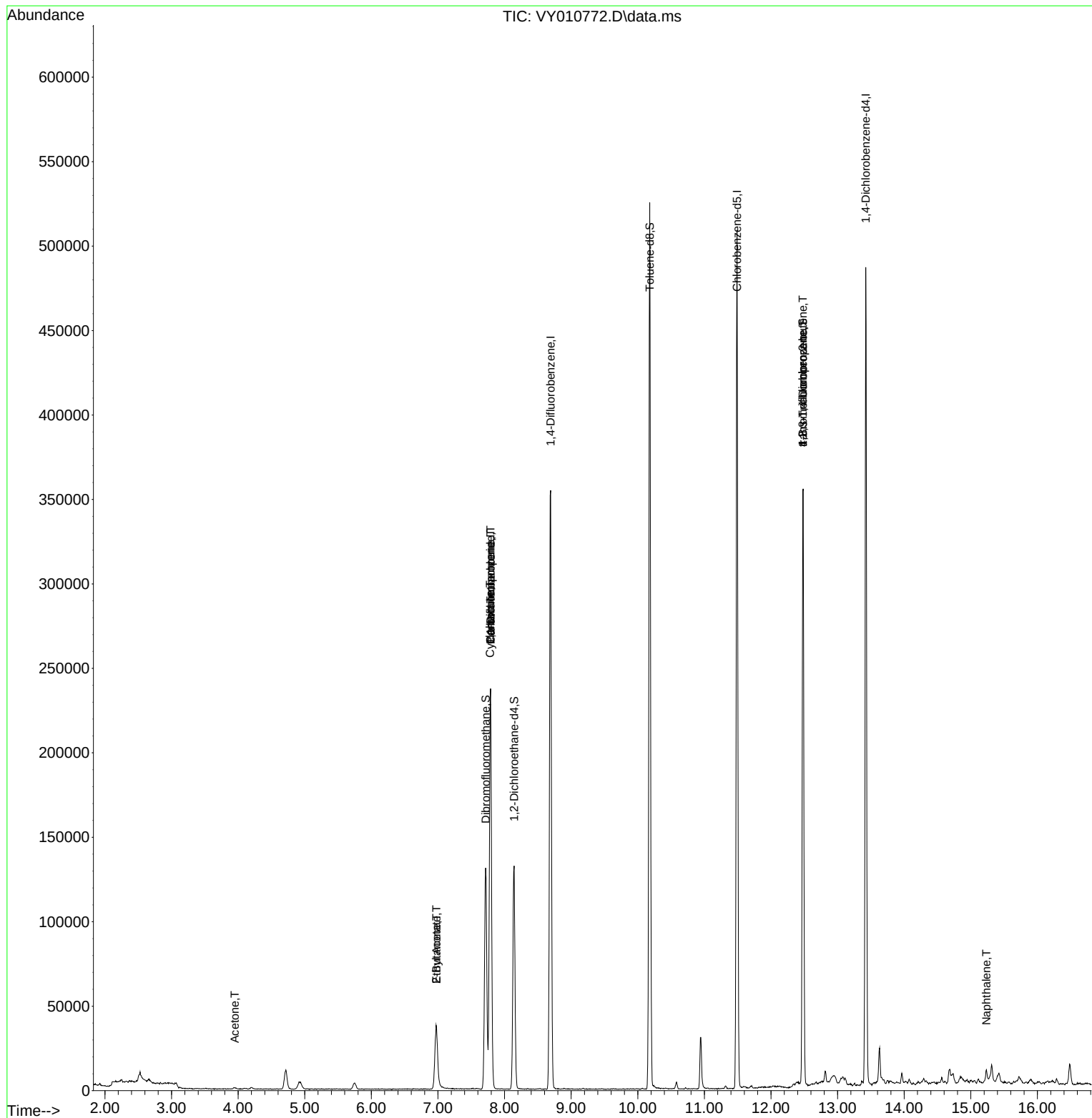
Internal Standards						
1) Pentafluorobenzene	7.789	168	187185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	311856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	275148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	101643	53.571	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.140%	
35) Dibromofluoromethane	7.716	113	93734	45.279	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.560%	
50) Toluene-d8	10.179	98	344860	48.712	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.420%	
62) 4-Bromofluorobenzene	12.477	95	112700	40.011	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	4741	Below Cal	#	77
16) Acetone	3.948	43	1679	3.484	ug/l #	85
20) Methylene Chloride	4.716	84	8866	Below Cal	#	77
25) 2-Butanone	6.978	43	2434	3.513	ug/l #	82
31) Cyclohexane	7.783	56	3968	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	13882	4.645	ug/l #	52
37) Ethyl Acetate	6.978	43	2434	1.660	ug/l #	1
38) Carbon Tetrachloride	7.789	117	18469	5.934	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	57991	46.077	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57991	96.250	ug/l #	7
95) Naphthalene	15.233	128	6404	1.544	ug/l #	93

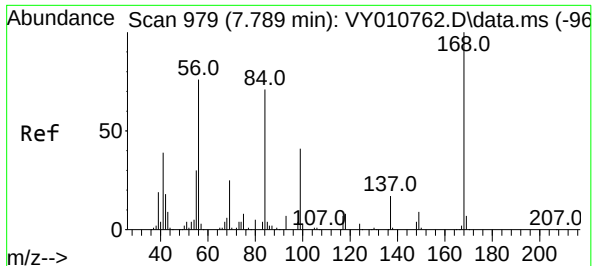
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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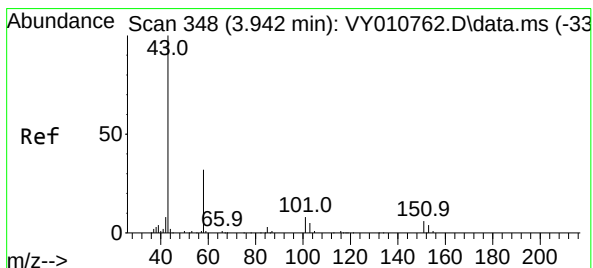
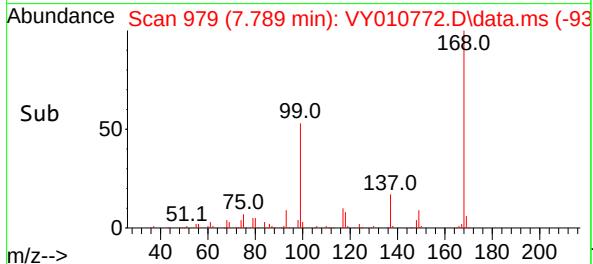
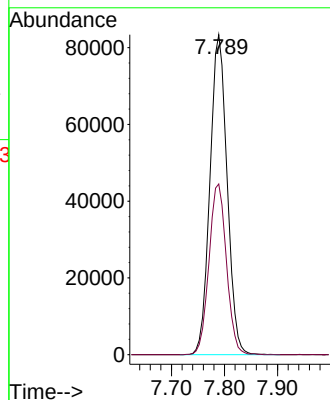
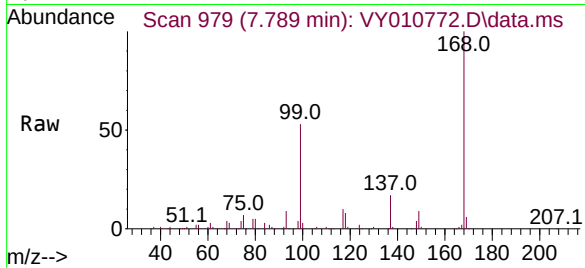




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

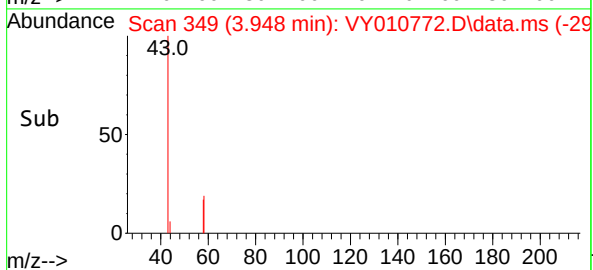
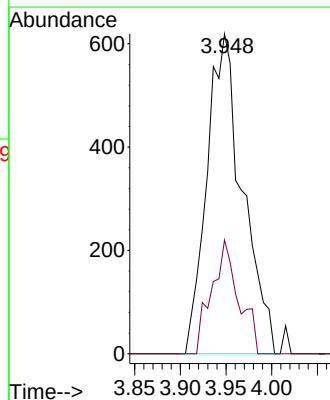
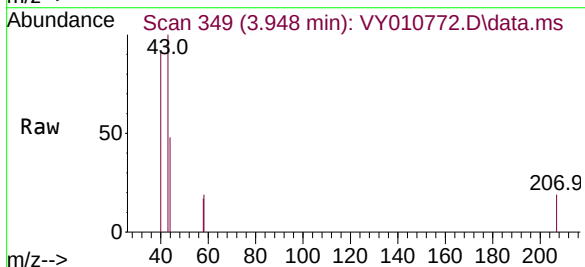
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-222

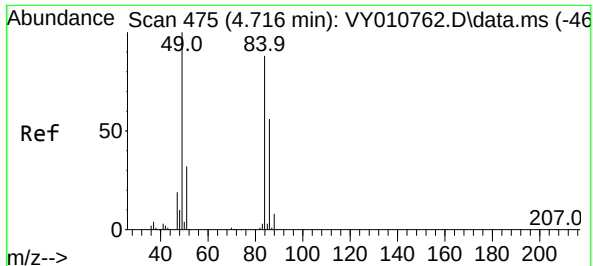
Tgt Ion:168 Resp: 187185
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#16
Acetone
Concen: 3.484 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

Tgt Ion: 43 Resp: 1679
Ion Ratio Lower Upper
43 100
58 35.5 22.0 33.0#

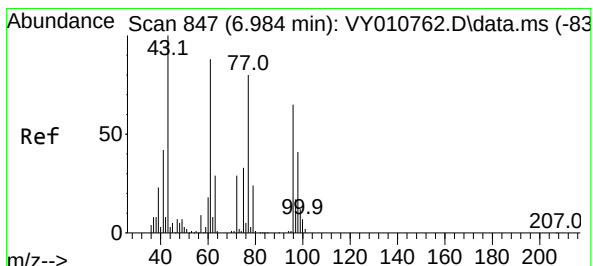
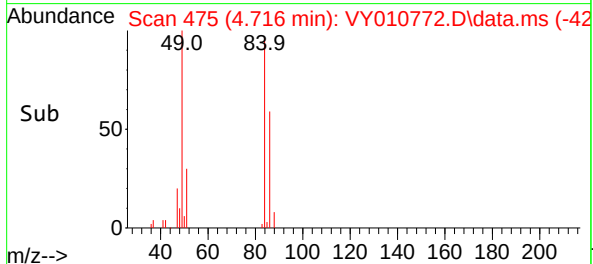
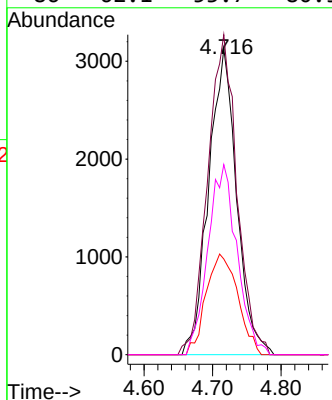
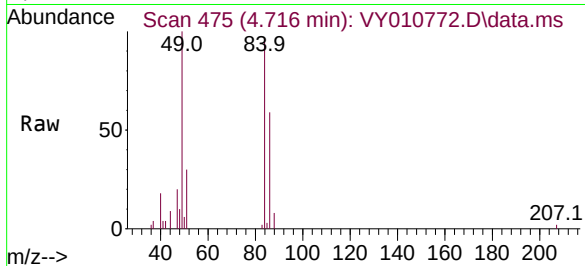




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

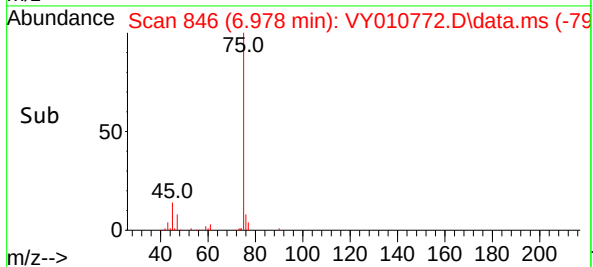
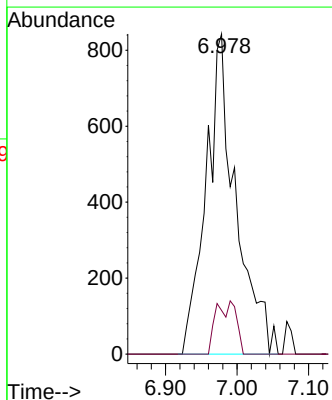
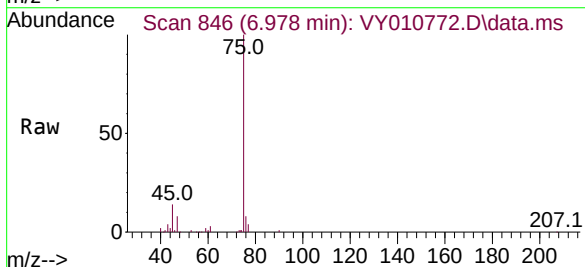
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-222

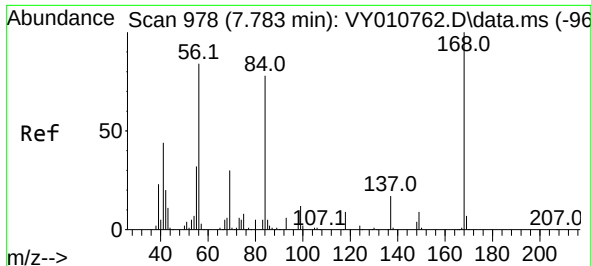
Tgt Ion: 84 Resp: 8866
Ion Ratio Lower Upper
84 100
49 104.5 114.4 171.6#
51 31.3 35.3 52.9#
86 62.1 53.7 80.5



#25
2-Butanone
Concen: 3.513 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

Tgt Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
72 13.6 17.7 26.5#

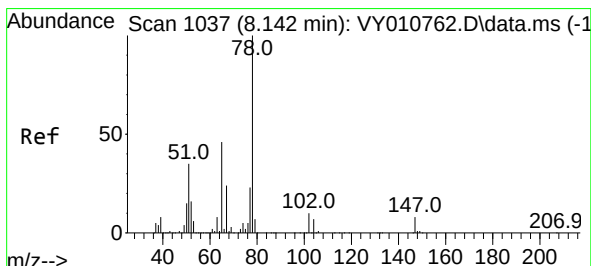
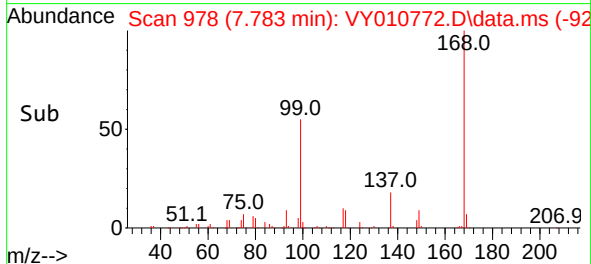
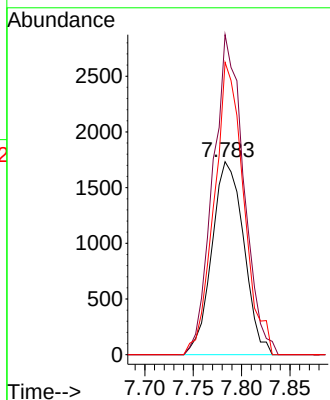
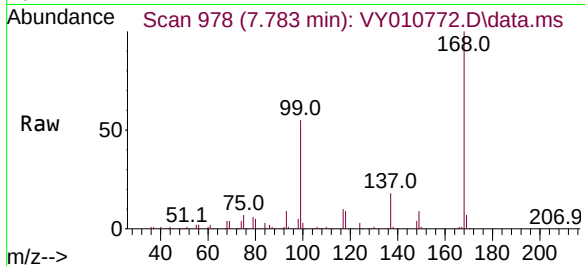




#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

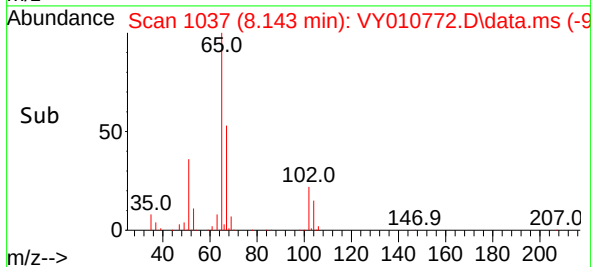
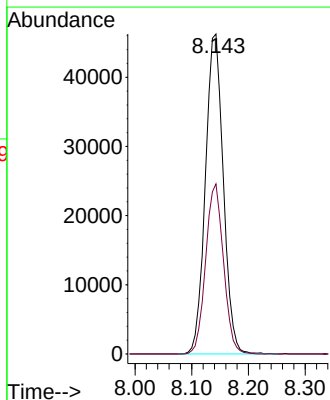
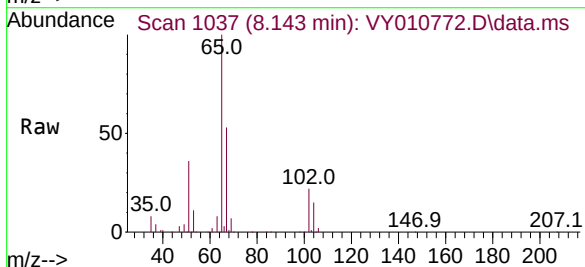
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-222

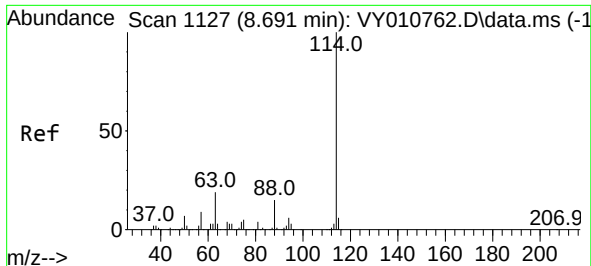
Tgt Ion: 56 Resp: 3968
Ion Ratio Lower Upper
56 100
69 165.9 26.7 40.1#
84 151.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.571 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

Tgt Ion: 65 Resp: 101643
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY010772.D

Acq: 03 Oct 2022 17:35

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-222

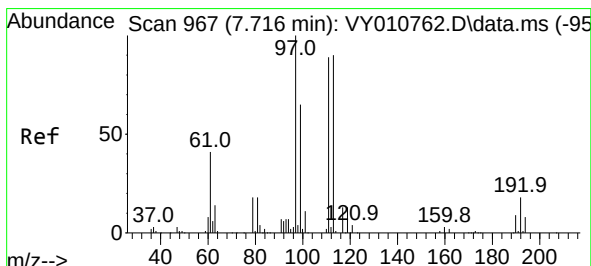
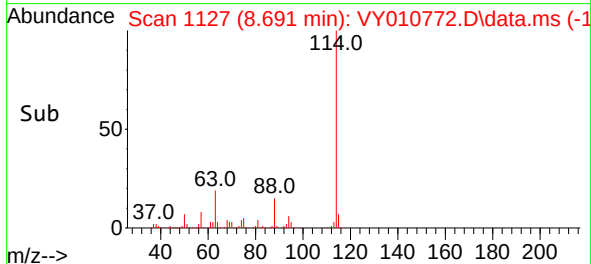
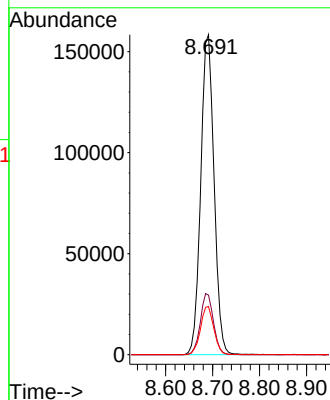
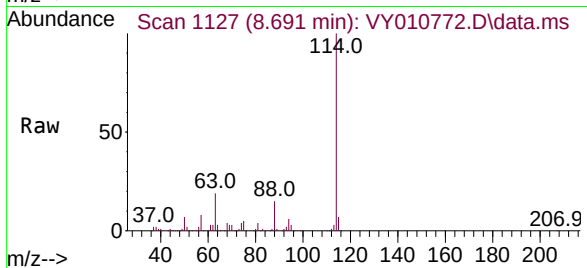
Tgt Ion:114 Resp: 311856

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.279 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010772.D

Acq: 03 Oct 2022 17:35

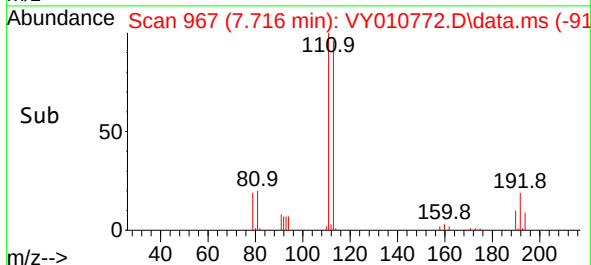
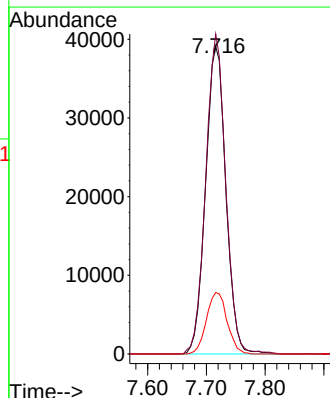
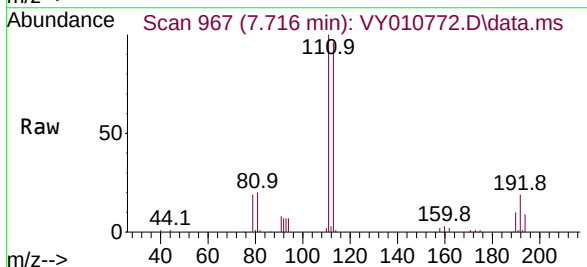
Tgt Ion:113 Resp: 93734

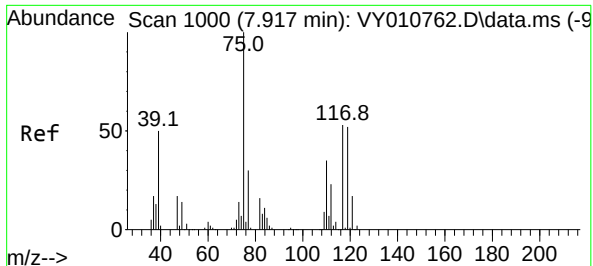
Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

192 20.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.645 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010772.D

Acq: 03 Oct 2022 17:35

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-222

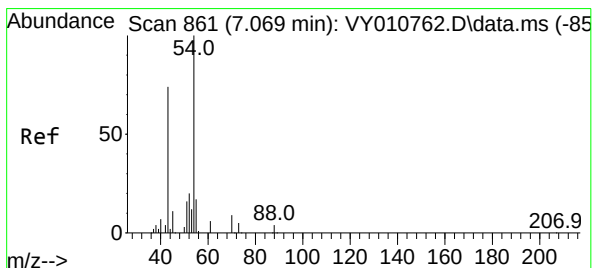
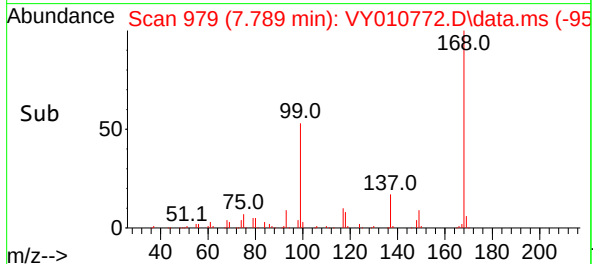
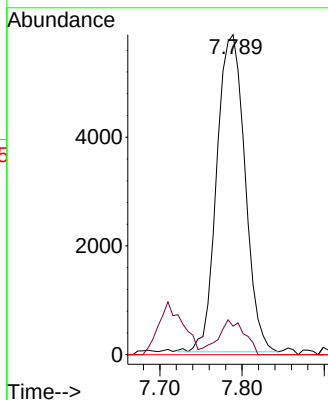
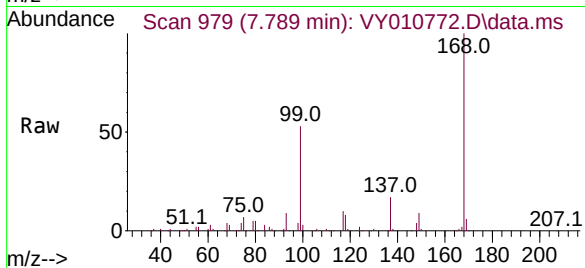
Tgt Ion: 75 Resp: 13882

Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.660 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.091 min

Lab File: VY010772.D

Acq: 03 Oct 2022 17:35

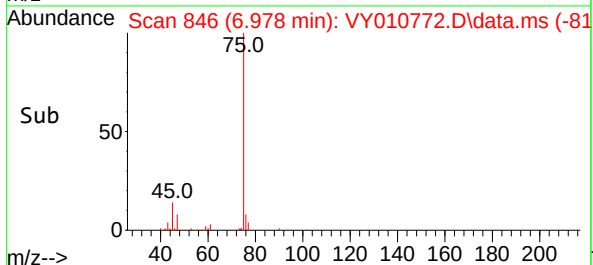
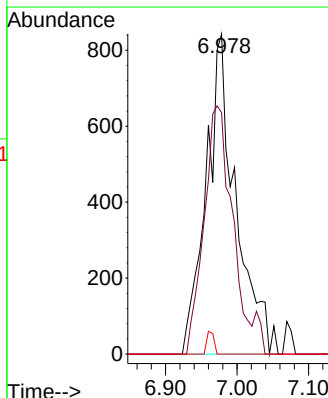
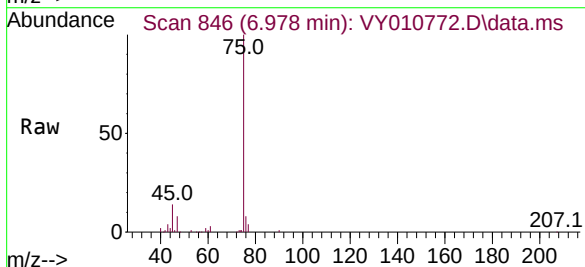
Tgt Ion: 43 Resp: 2434

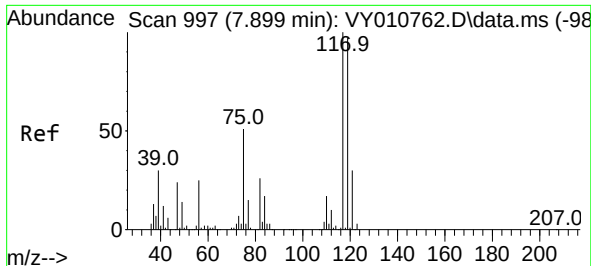
Ion Ratio Lower Upper

43 100

61 76.1 9.7 14.5#

70 1.7 7.1 10.7#

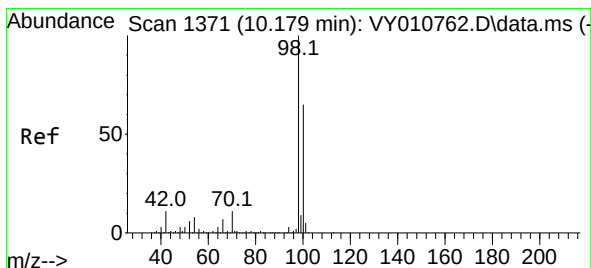
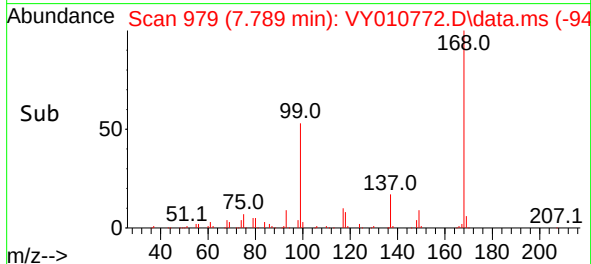
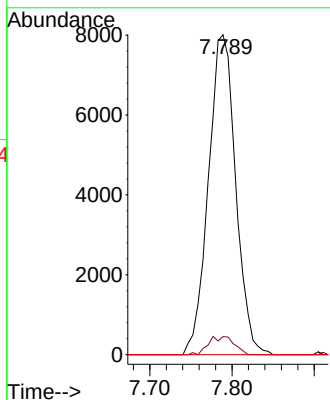
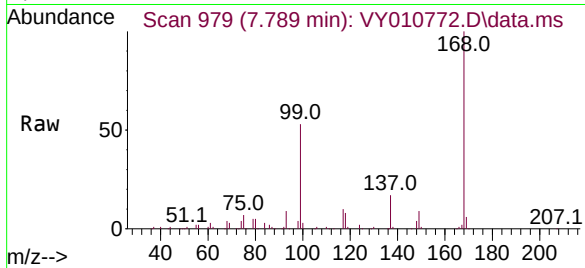




#38
Carbon Tetrachloride
Concen: 5.934 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

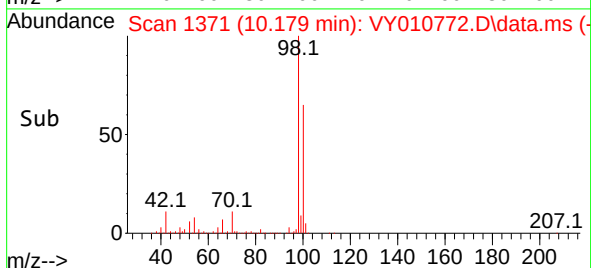
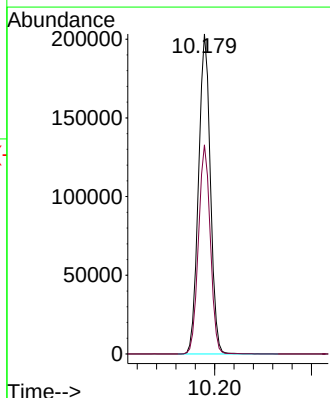
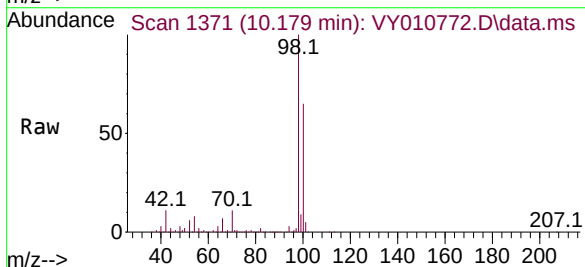
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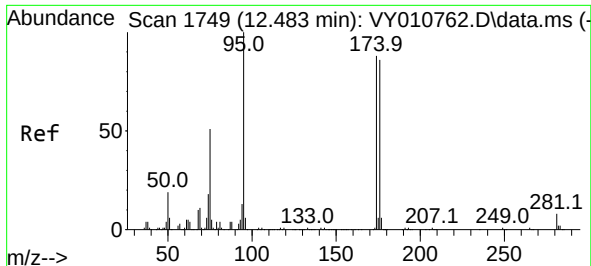
Tgt Ion:117 Resp: 18469
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.712 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

Tgt Ion: 98 Resp: 344860
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

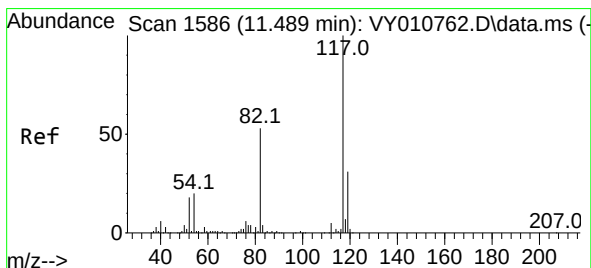
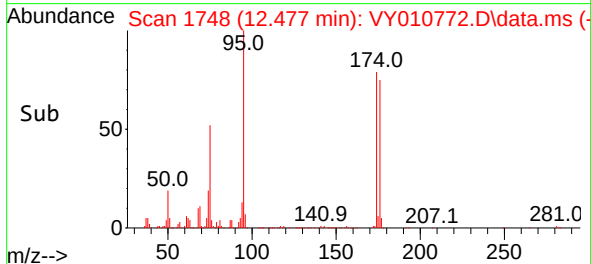
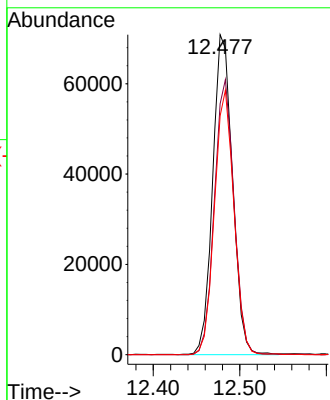
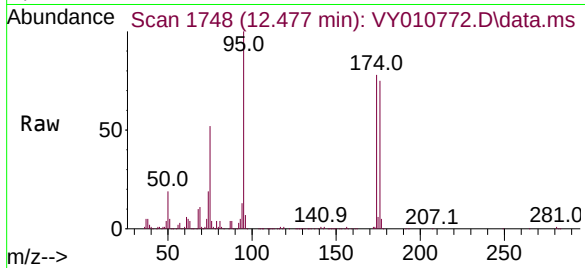




#62
4-Bromofluorobenzene
Concen: 40.011 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

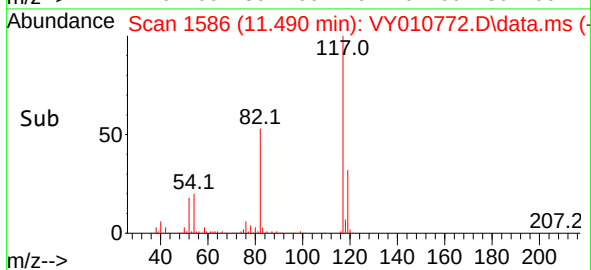
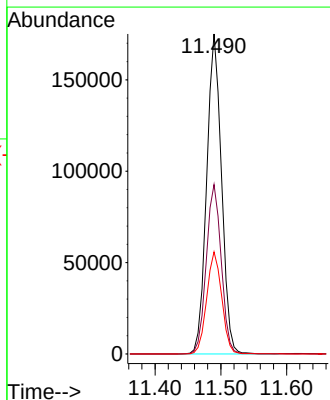
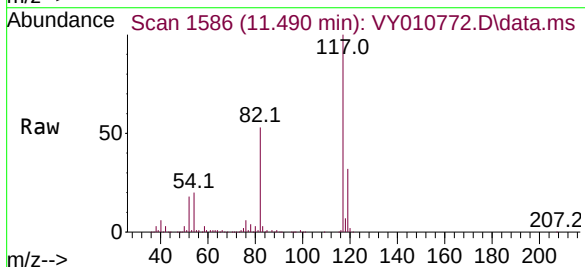
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-222

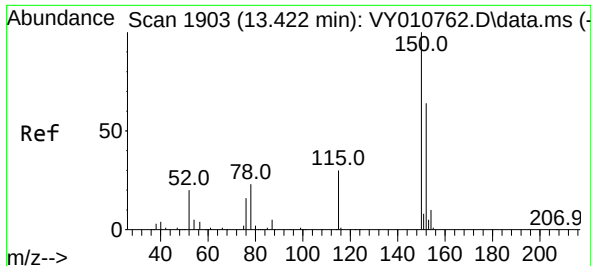
Tgt Ion: 95 Resp: 112700
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 81.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

Tgt Ion: 117 Resp: 275148
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 31.9 25.4 38.0

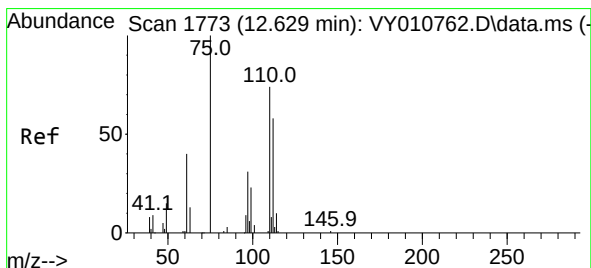
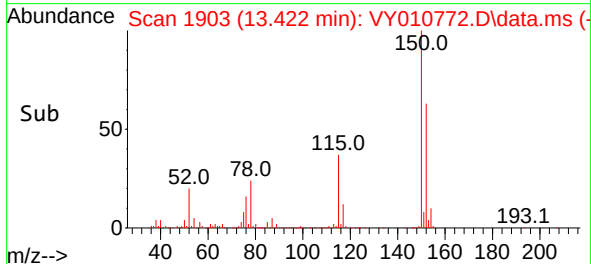
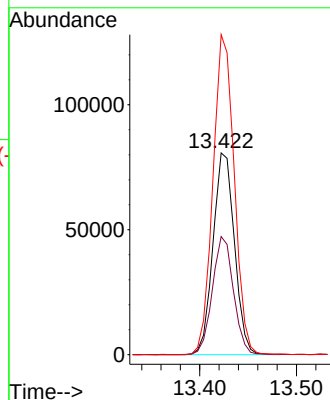
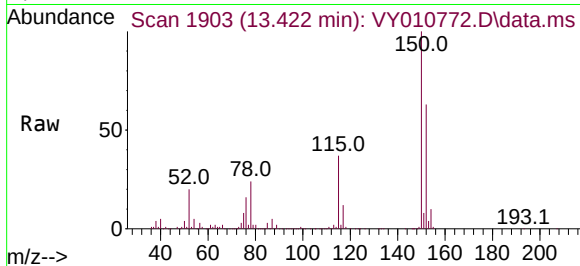




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010772.D
 Acq: 03 Oct 2022 17:35

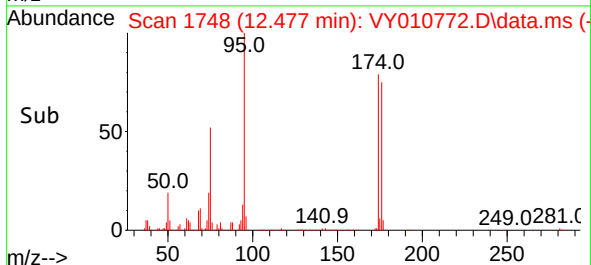
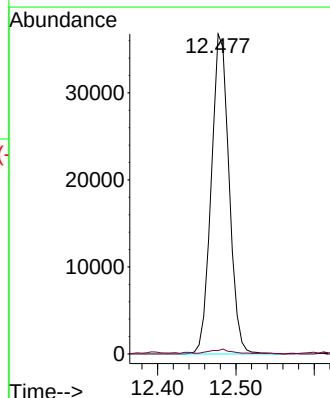
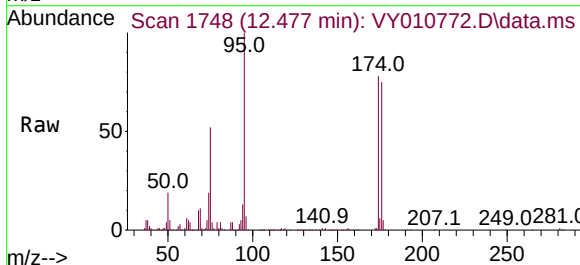
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-222

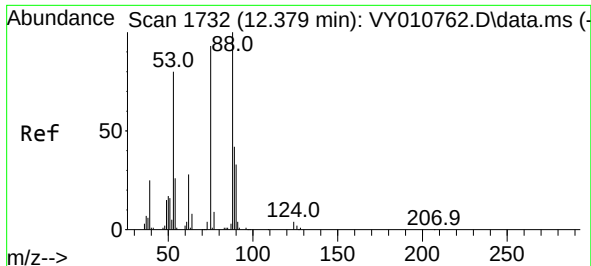
Tgt Ion:152 Resp: 124281
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.2 84.7
 150 157.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 46.077 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY010772.D
 Acq: 03 Oct 2022 17:35

Tgt Ion: 75 Resp: 57991
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

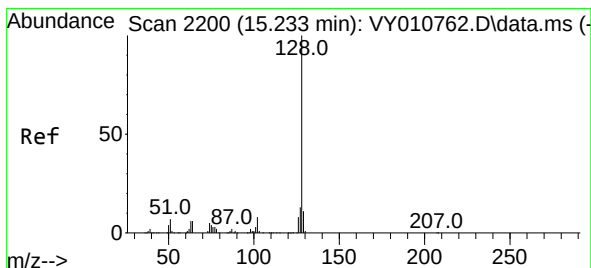
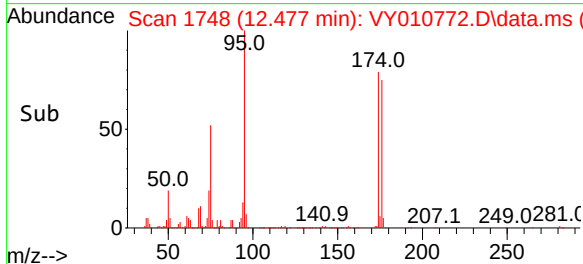
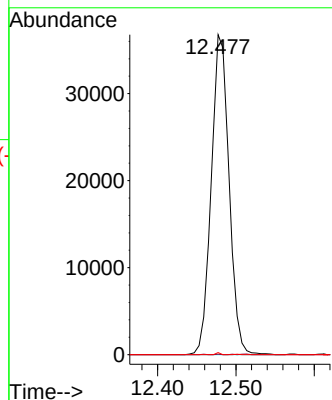
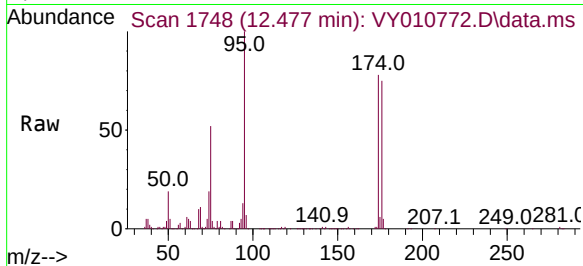




#81
trans-1,4-Dichloro-2-butene
Concen: 96.250 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-222

Tgt Ion: 75 Resp: 57991
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#



#95
Naphthalene
Concen: 1.544 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010772.D
Acq: 03 Oct 2022 17:35

Tgt Ion: 128 Resp: 6404
Ion Ratio Lower Upper
128 100
127 15.7 11.0 16.4
129 14.5 8.4 12.6#

