

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008789.D
 Acq On : 17 May 2022 22:15
 Operator : KP/MD
 Sample : N2841-03
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 07:58:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

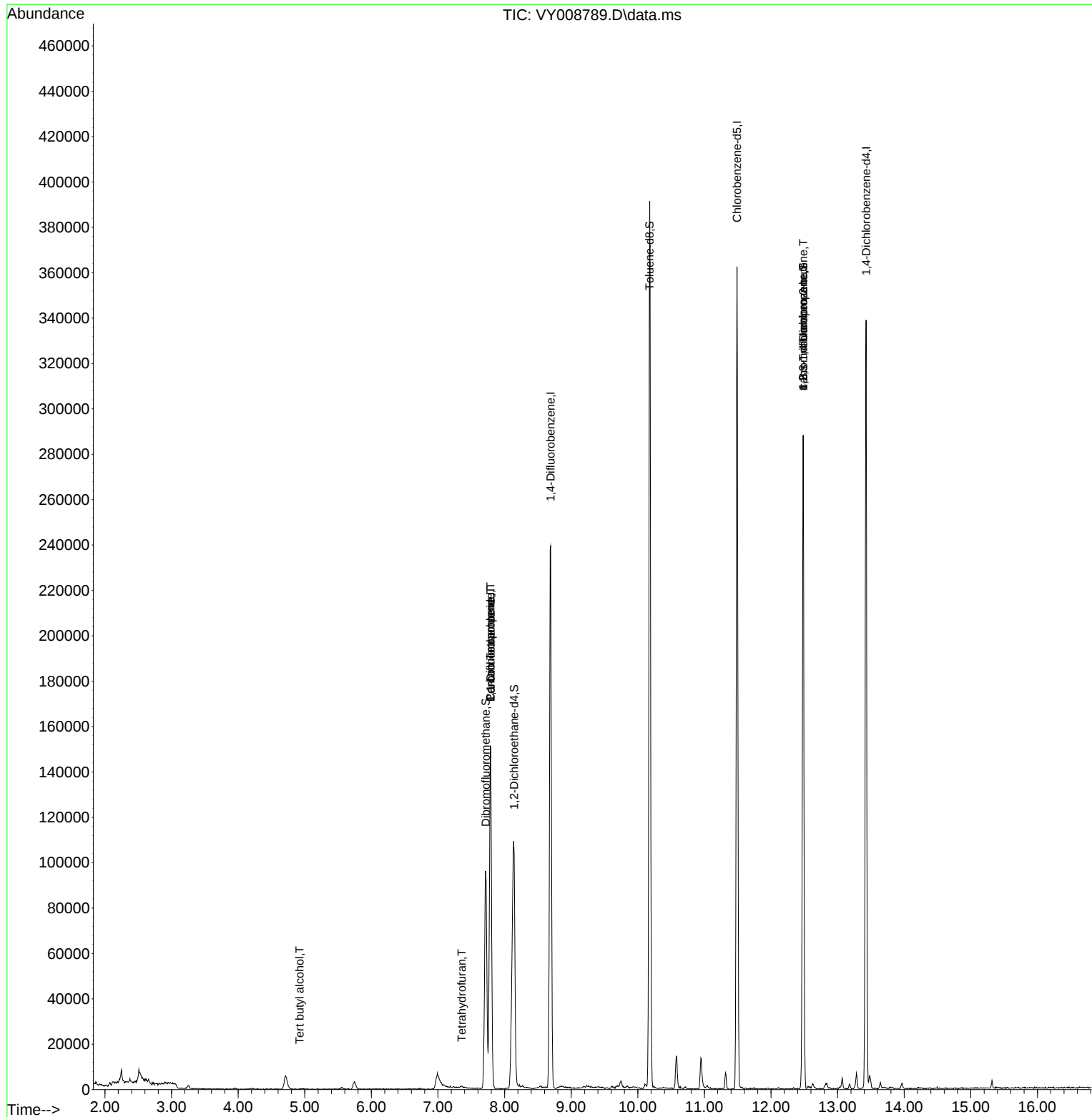
Internal Standards						
1) Pentafluorobenzene	7.789	168	115914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	202769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	189844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	68323	63.536	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.080%	
35) Dibromofluoromethane	7.716	113	66778	56.365	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.740%	
50) Toluene-d8	10.179	98	251319	47.868	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.740%	
62) 4-Bromofluorobenzene	12.483	95	74232	40.232	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	290	Below Cal	#	79
4) Vinyl Chloride	2.247	62	194	Below Cal	#	43
5) Bromomethane	2.656	94	139	Below Cal	#	68
6) Chloroethane	2.784	64	32	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	123	1.035	ug/l #	77
16) Acetone	3.948	43	518	Below Cal	#	85
18) Methyl Acetate	4.698	43	98	Below Cal	#	56
20) Methylene Chloride	4.710	84	4279	Below Cal	#	82
29) Tetrahydrofuran	7.356	42	565	1.879	ug/l #	76
31) Cyclohexane	7.783	56	2507	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	10155	5.352	ug/l #	50
38) Carbon Tetrachloride	7.789	117	11697	5.752	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	42540	44.671	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42540	97.709	ug/l #	7

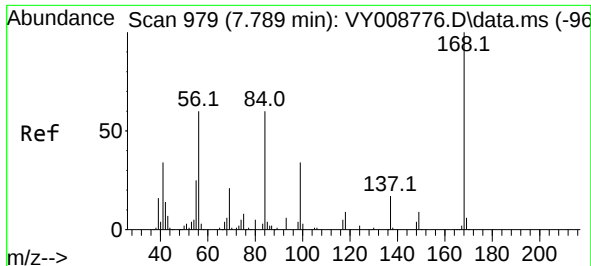
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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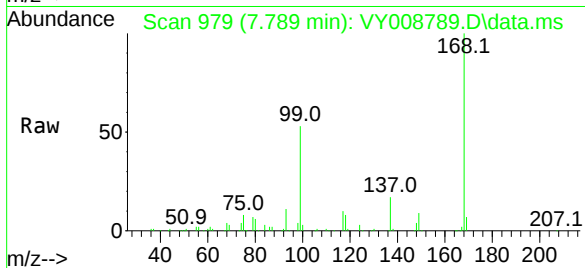
Quant Time: May 18 07:58:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
Response via : Initial Calibration



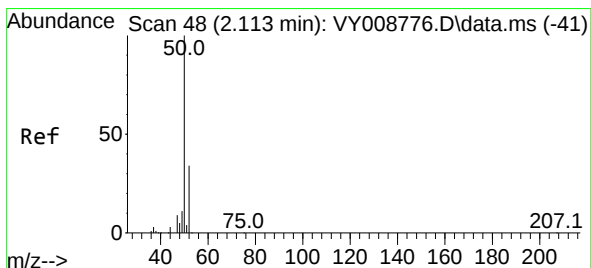
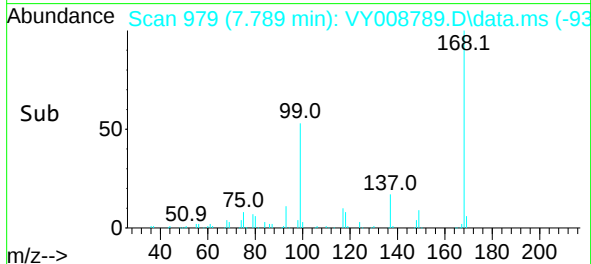
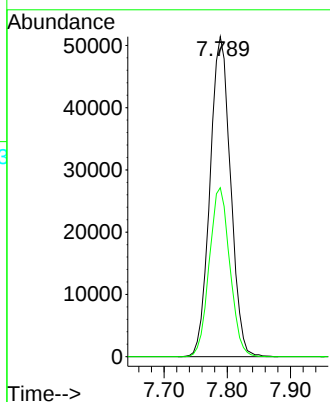


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

Instrument :
MSVOA_Y
ClientSampleId :

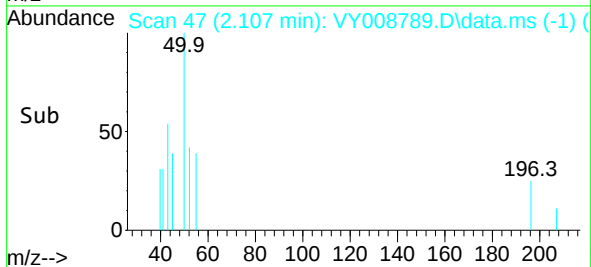
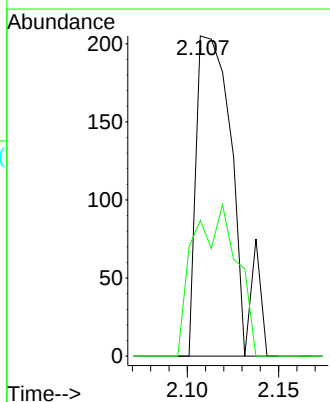
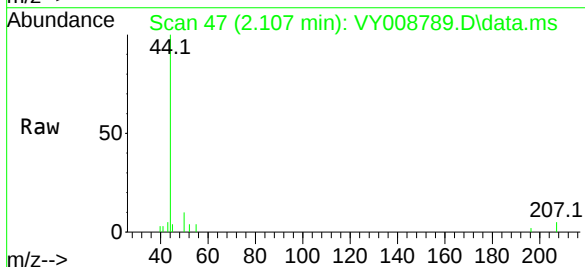


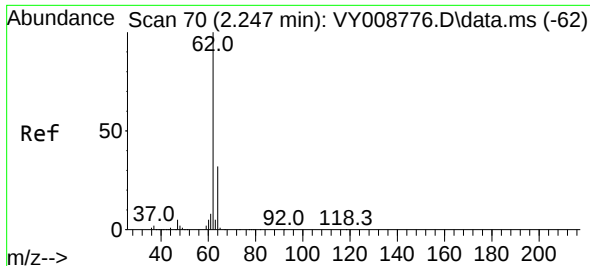
Tgt Ion:168 Resp: 115914
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

Tgt Ion: 50 Resp: 290
Ion Ratio Lower Upper
50 100
52 42.4 24.6 37.0#



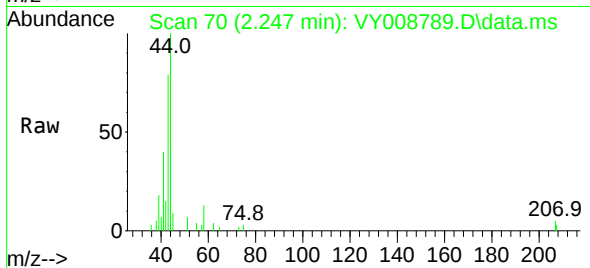


#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VY008789.D
 Acq: 17 May 2022 22:15

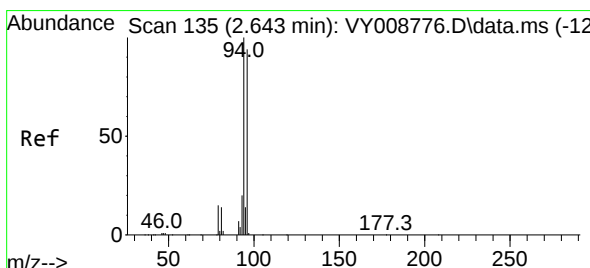
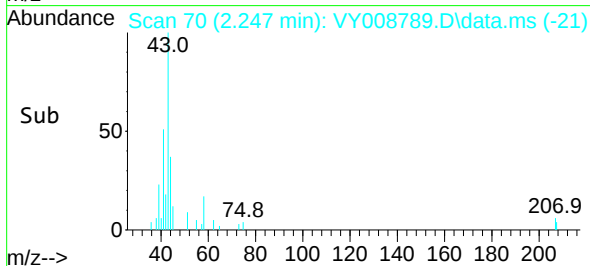
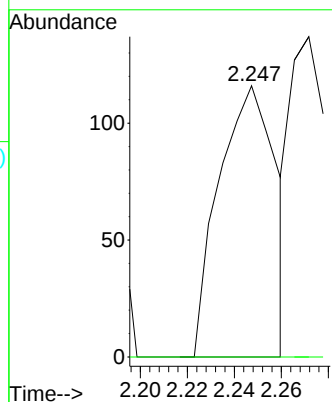
Instrument :

MSVOA_Y

ClientSampleId :

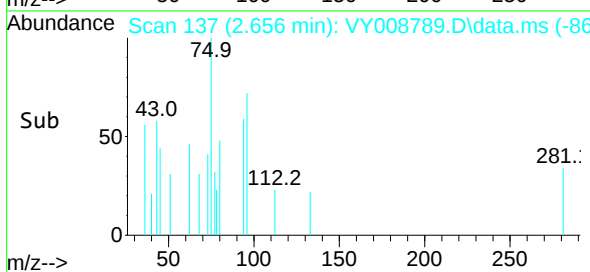
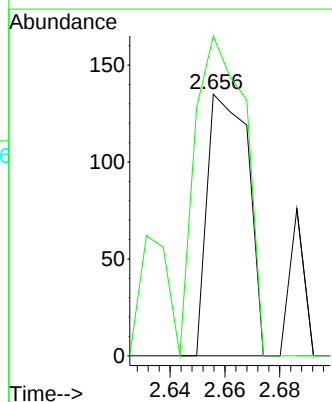
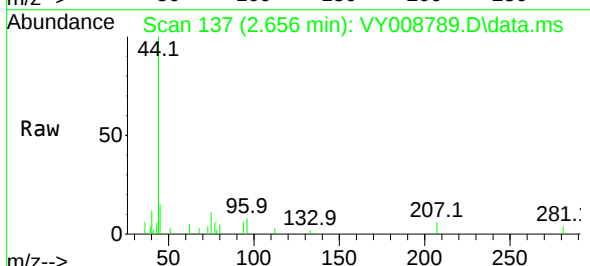


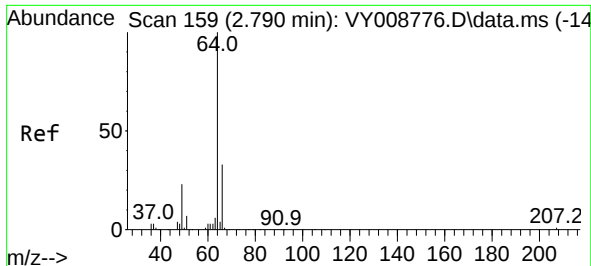
Tgt Ion: 62 Resp: 194
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.656 min Scan# 137
 Delta R.T. 0.013 min
 Lab File: VY008789.D
 Acq: 17 May 2022 22:15

Tgt Ion: 94 Resp: 139
 Ion Ratio Lower Upper
 94 100
 96 122.2 73.5 110.3#

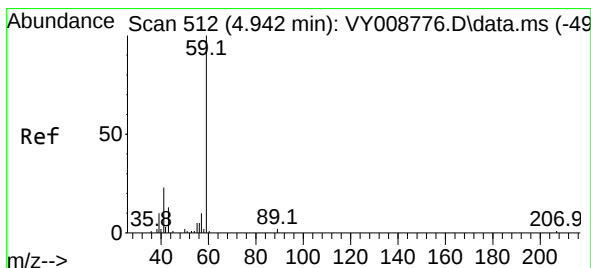
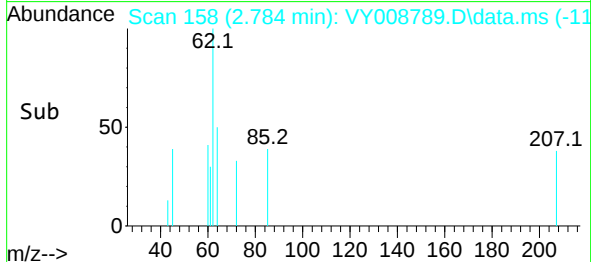
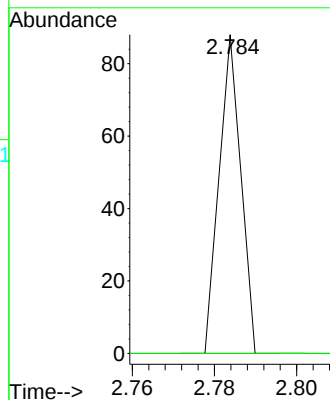
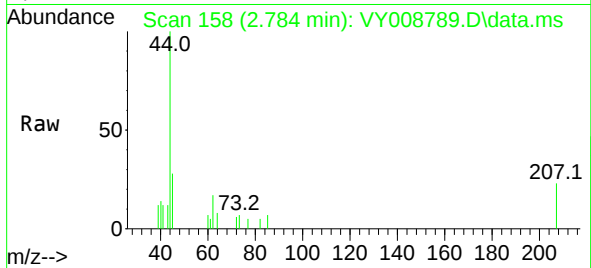




#6
Chloroethane
Concen: Below Cal
RT: 2.784 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

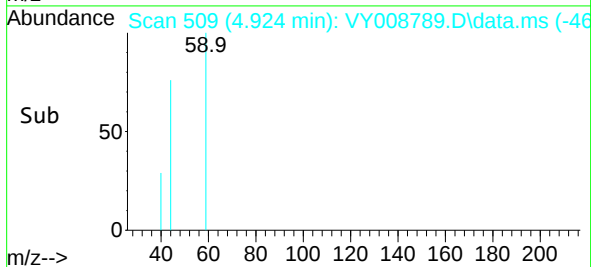
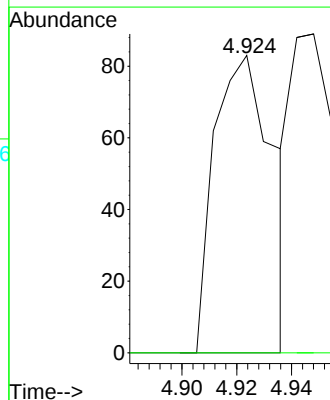
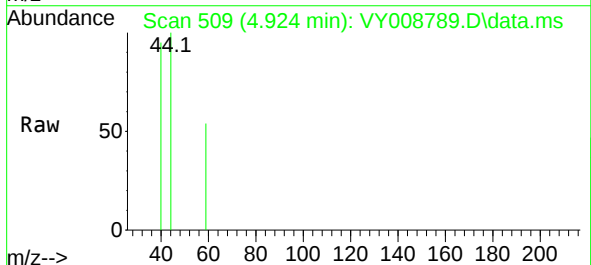
Instrument :
MSVOA_Y
ClientSampleId :

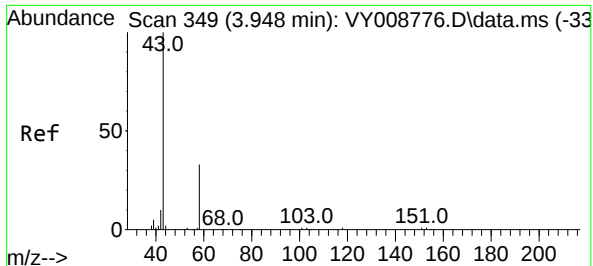
Tgt Ion: 64 Resp: 32
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.035 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

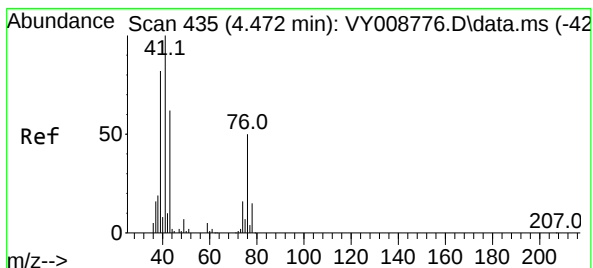
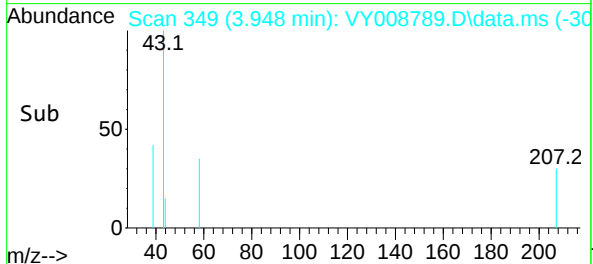
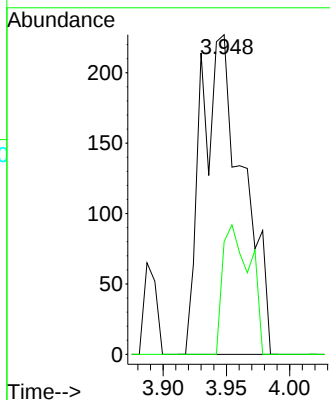
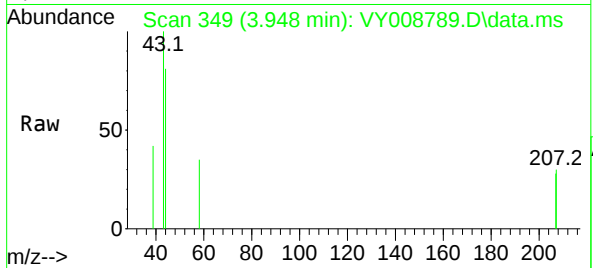




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

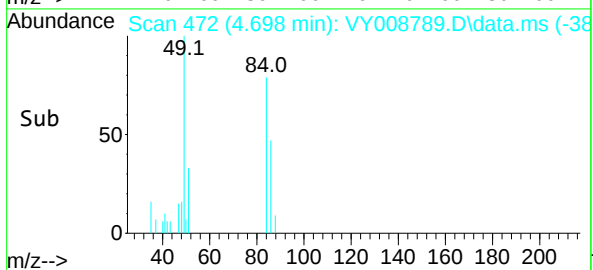
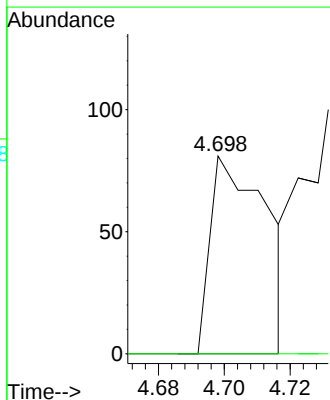
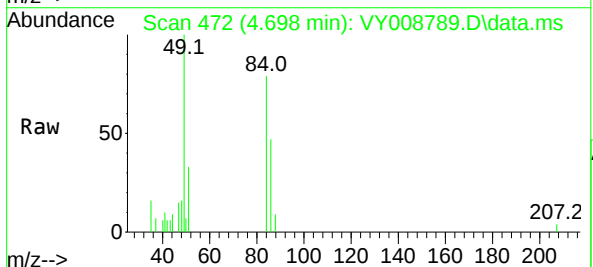
Instrument :
MSVOA_Y
ClientSampleId :

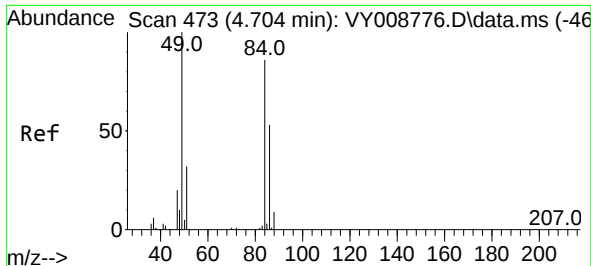
Tgt Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
58 35.2 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. 0.226 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

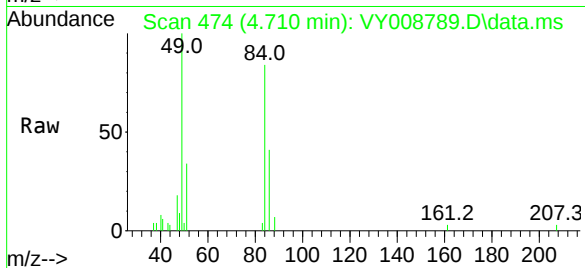
Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



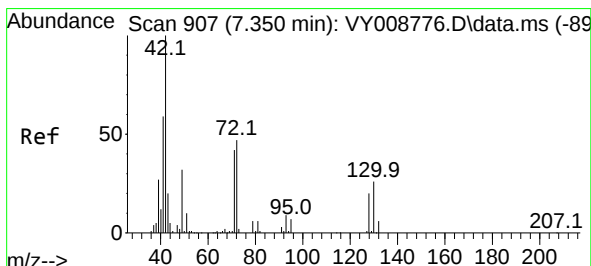
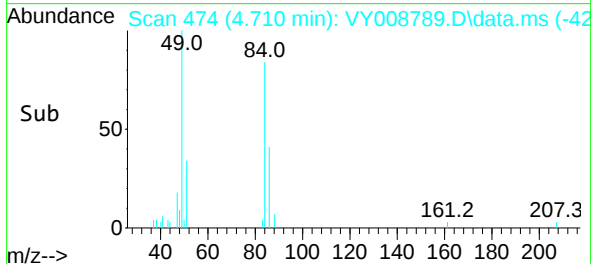
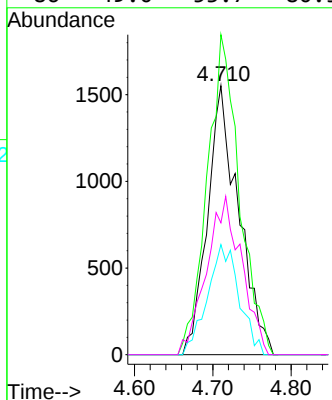


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

Instrument :
MSVOA_Y
ClientSampleId :

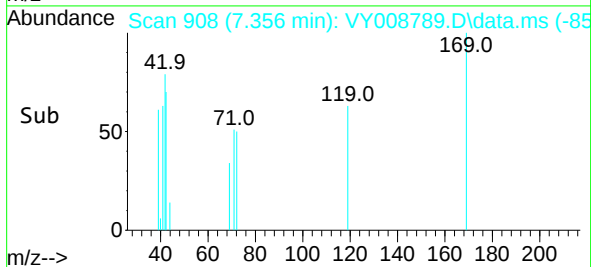
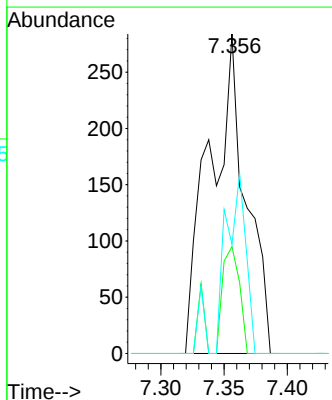
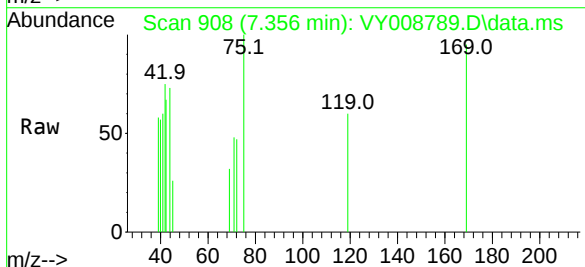


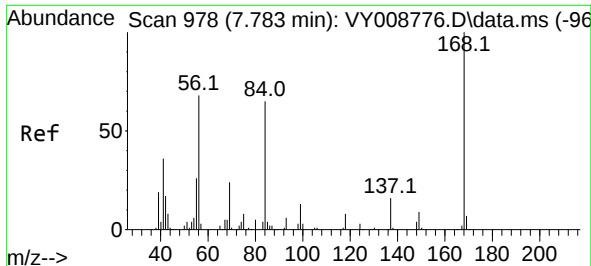
Tgt Ion: 84 Resp: 4279
Ion Ratio Lower Upper
84 100
49 118.9 114.4 171.6
51 40.9 35.3 52.9
86 49.0 53.7 80.5#



#29
Tetrahydrofuran
Concen: 1.879 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

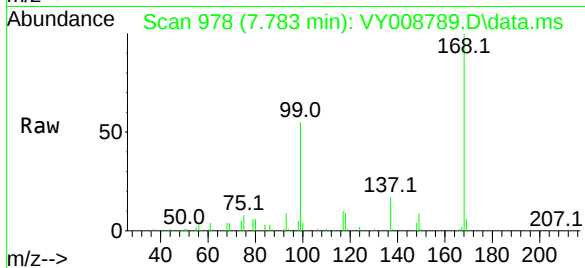
Tgt Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
72 15.6 30.3 45.5#
71 30.3 29.0 43.4



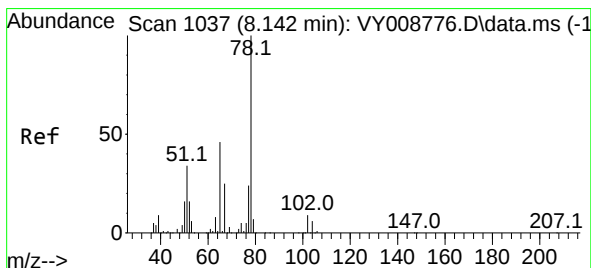
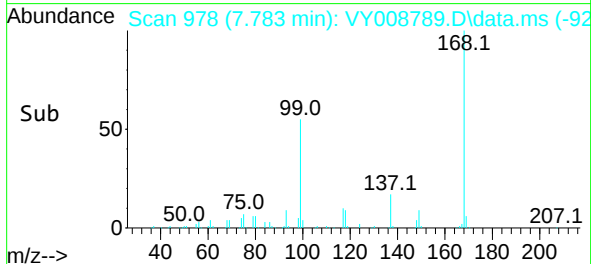
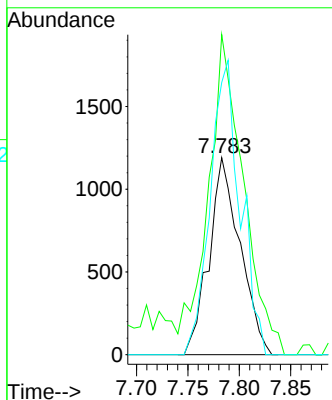


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

Instrument :
MSVOA_Y
ClientSampleId :

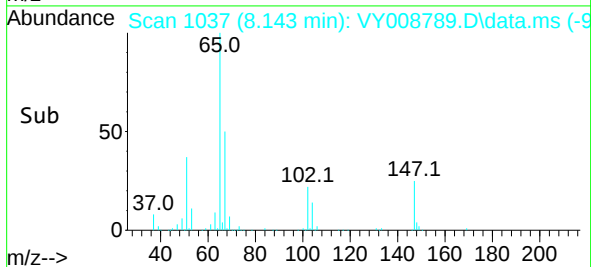
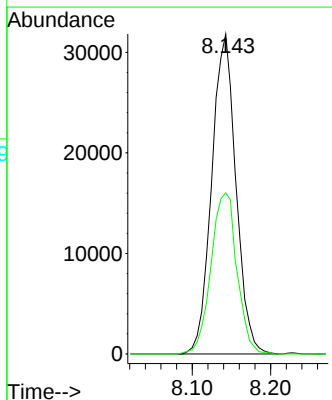
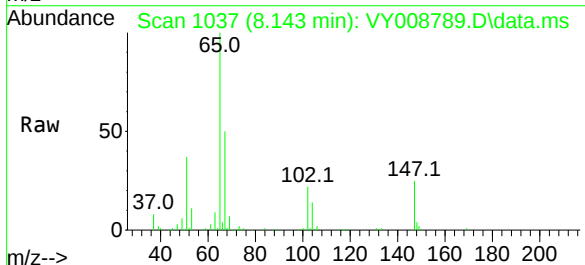


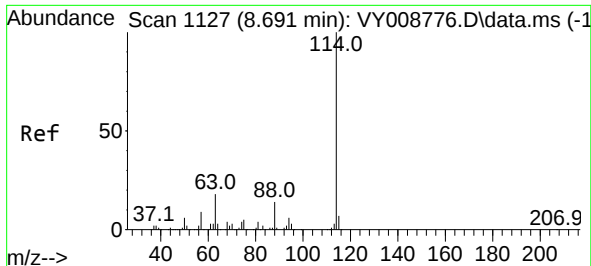
Tgt Ion: 56 Resp: 2507
Ion Ratio Lower Upper
56 100
69 151.9 26.7 40.1#
84 138.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.536 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

Tgt Ion: 65 Resp: 68323
Ion Ratio Lower Upper
65 100
67 54.0 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

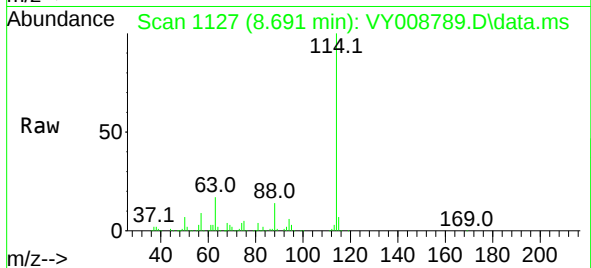
Lab File: VY008789.D

Acq: 17 May 2022 22:15

Instrument :

MSVOA_Y

ClientSampleId :



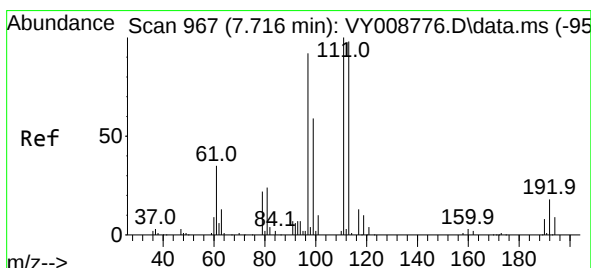
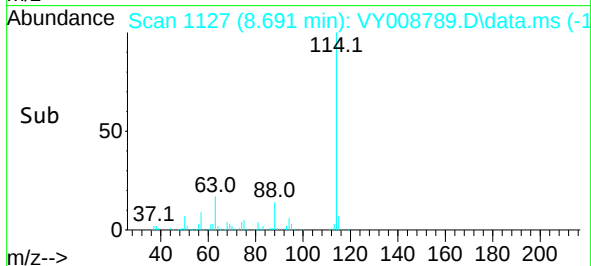
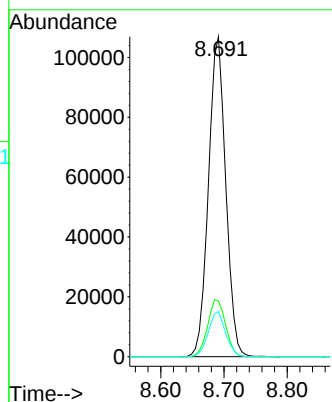
Tgt Ion:114 Resp: 202769

Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.365 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008789.D

Acq: 17 May 2022 22:15

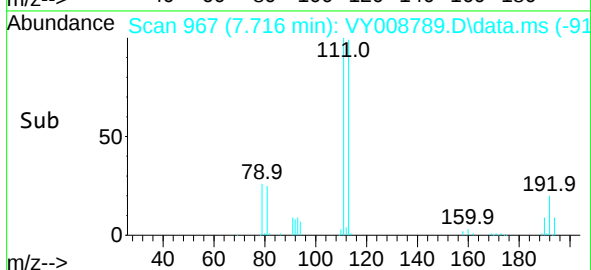
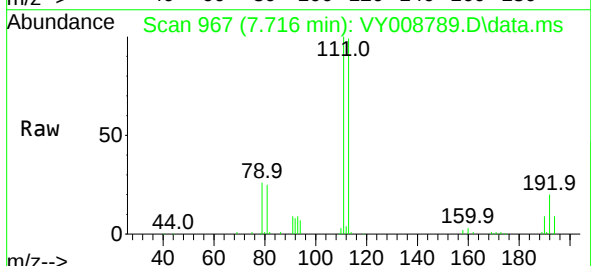
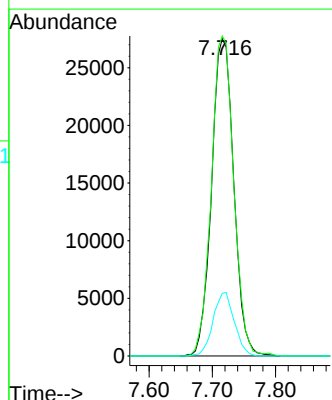
Tgt Ion:113 Resp: 66778

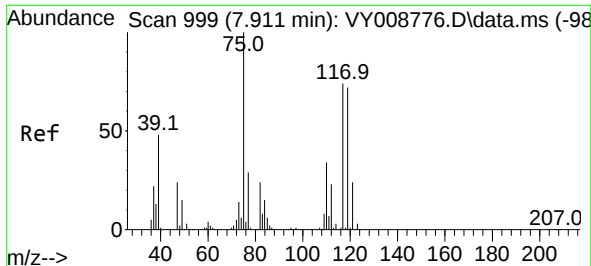
Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.352 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

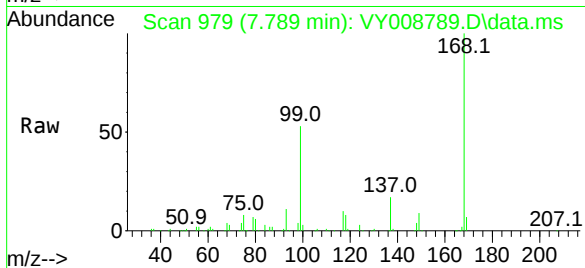
Lab File: VY008789.D

Acq: 17 May 2022 22:15

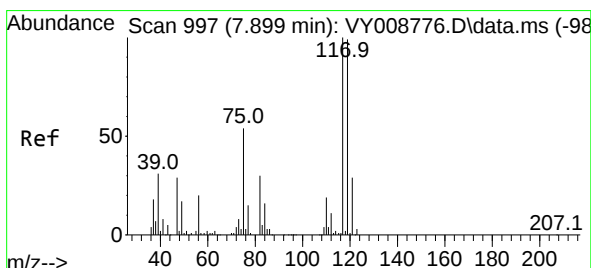
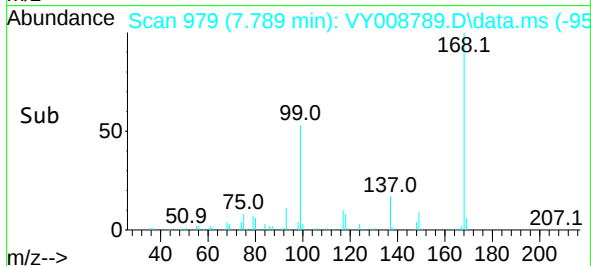
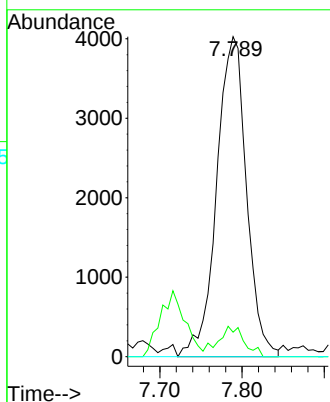
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	10155
Ion Ratio	Lower	Upper	
75	100		
110	8.2	17.1	51.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.752 ug/l

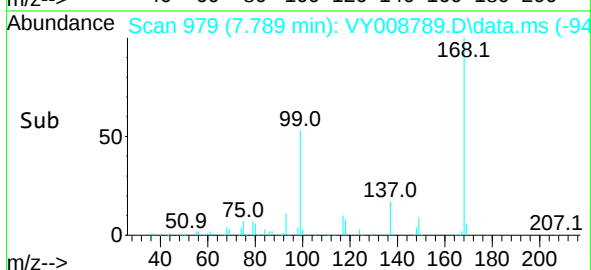
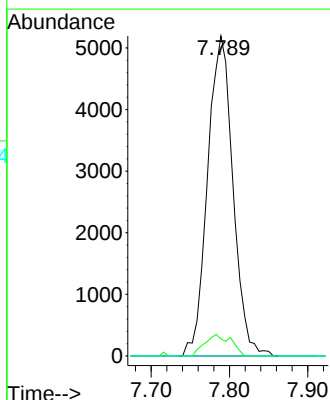
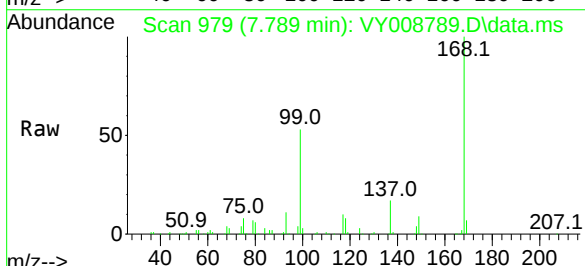
RT: 7.789 min Scan# 979

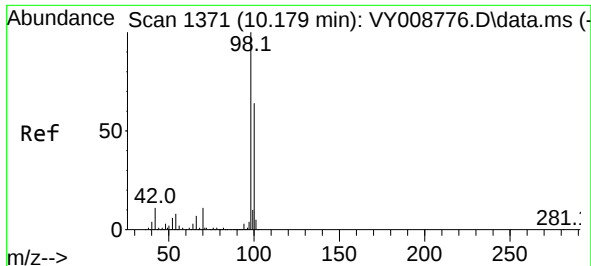
Delta R.T. -0.110 min

Lab File: VY008789.D

Acq: 17 May 2022 22:15

Tgt Ion:	117	Resp:	11697
Ion Ratio	Lower	Upper	
117	100		
119	5.4	77.9	116.9#
121	0.0	24.8	37.2#

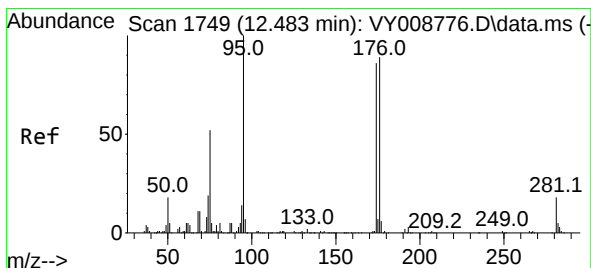
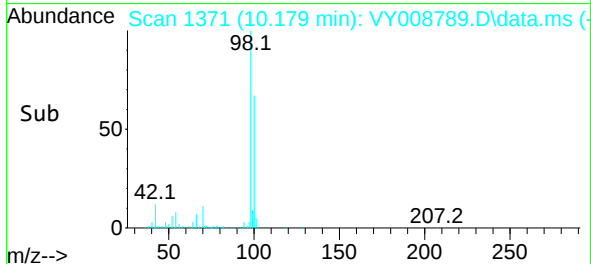
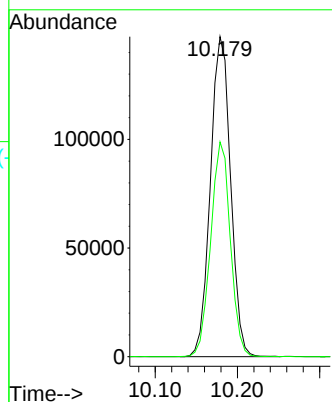
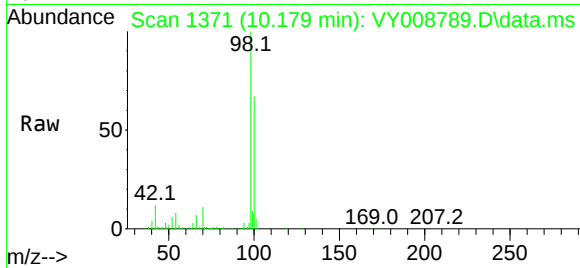




#50
Toluene-d8
Concen: 47.868 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

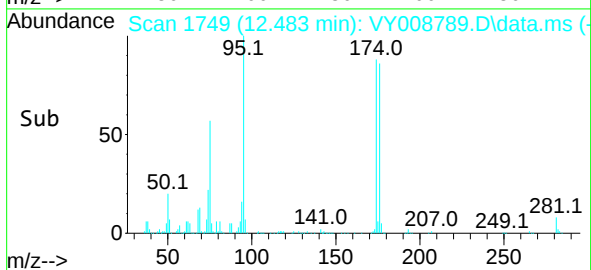
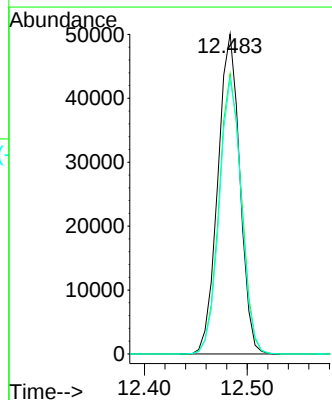
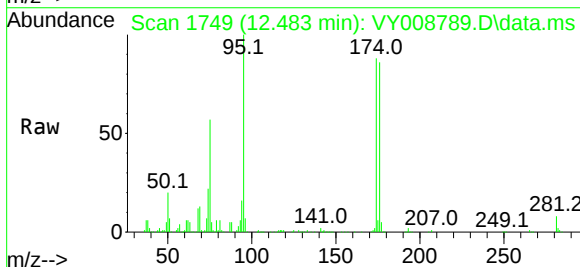
Instrument :
MSVOA_Y
ClientSampleId :

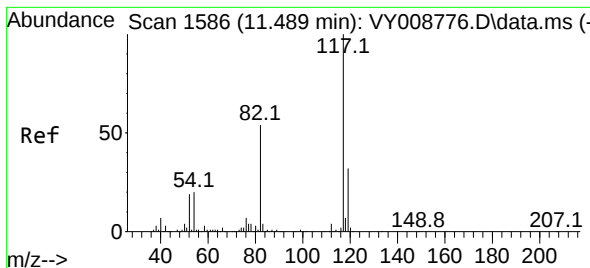
Tgt Ion: 98 Resp: 251319
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.232 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

Tgt Ion: 95 Resp: 74232
Ion Ratio Lower Upper
95 100
174 89.3 0.0 177.0
176 86.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

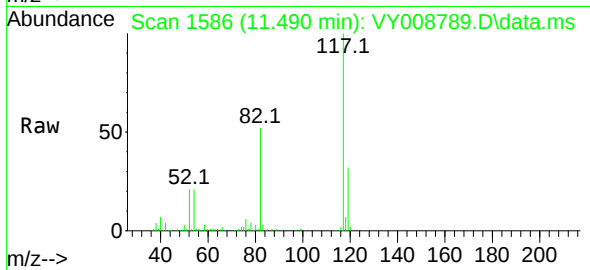
Lab File: VY008789.D

Acq: 17 May 2022 22:15

Instrument :

MSVOA_Y

ClientSampleId :



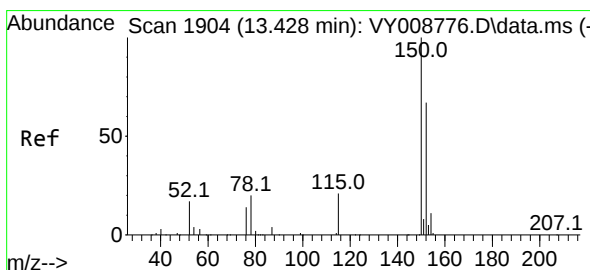
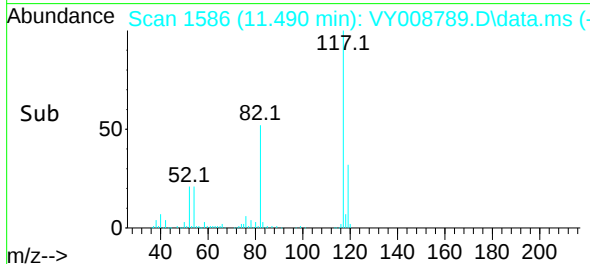
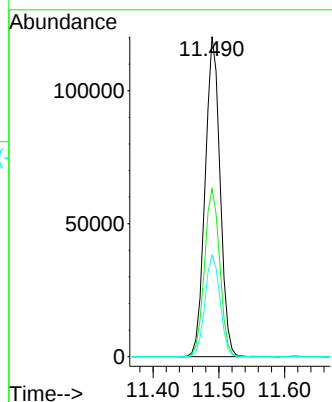
Tgt Ion:117 Resp: 189844

Ion Ratio Lower Upper

117 100

82 52.4 43.0 64.4

119 31.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008789.D

Acq: 17 May 2022 22:15

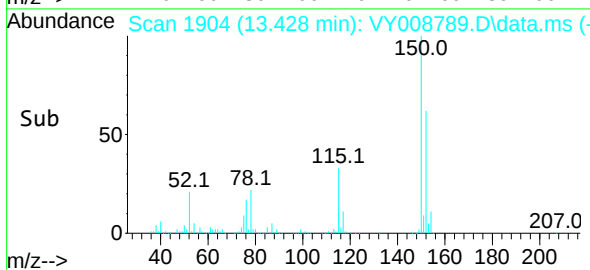
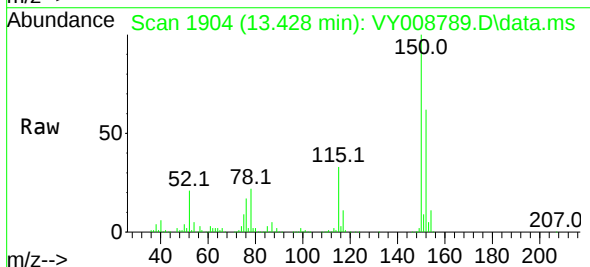
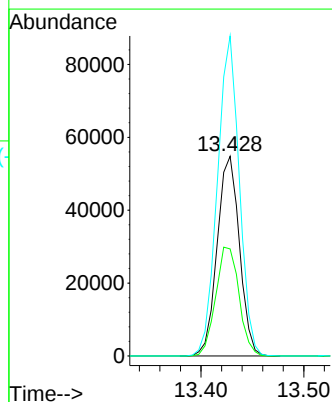
Tgt Ion:152 Resp: 82439

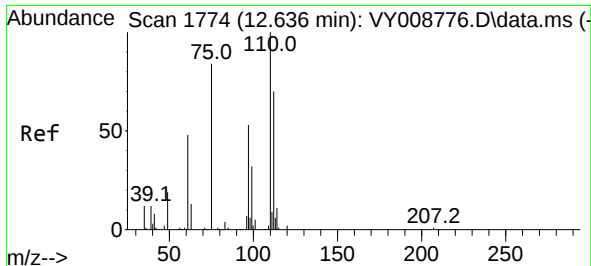
Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.7

150 157.3 0.0 347.6

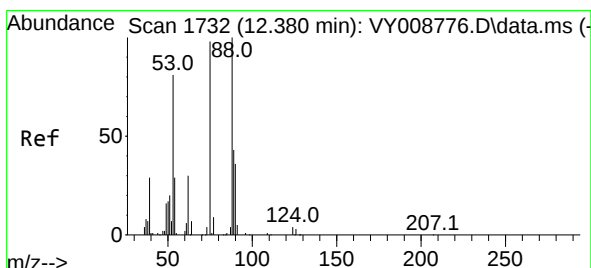
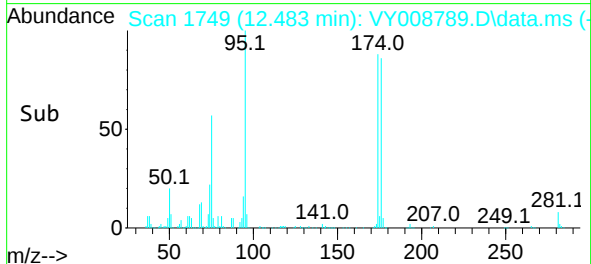
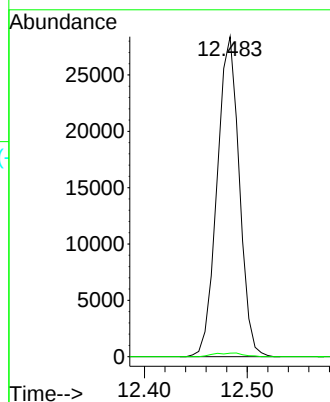
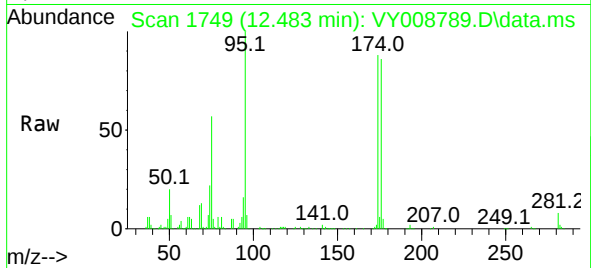




#76
1,2,3-Trichloropropane
Concen: 44.671 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 42540
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.709 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008789.D
Acq: 17 May 2022 22:15

Tgt Ion: 75 Resp: 42540
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

