

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008809.D
 Acq On : 18 May 2022 13:22
 Operator : KP/MD
 Sample : N2858-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

Quant Time: May 19 03:09:45 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)

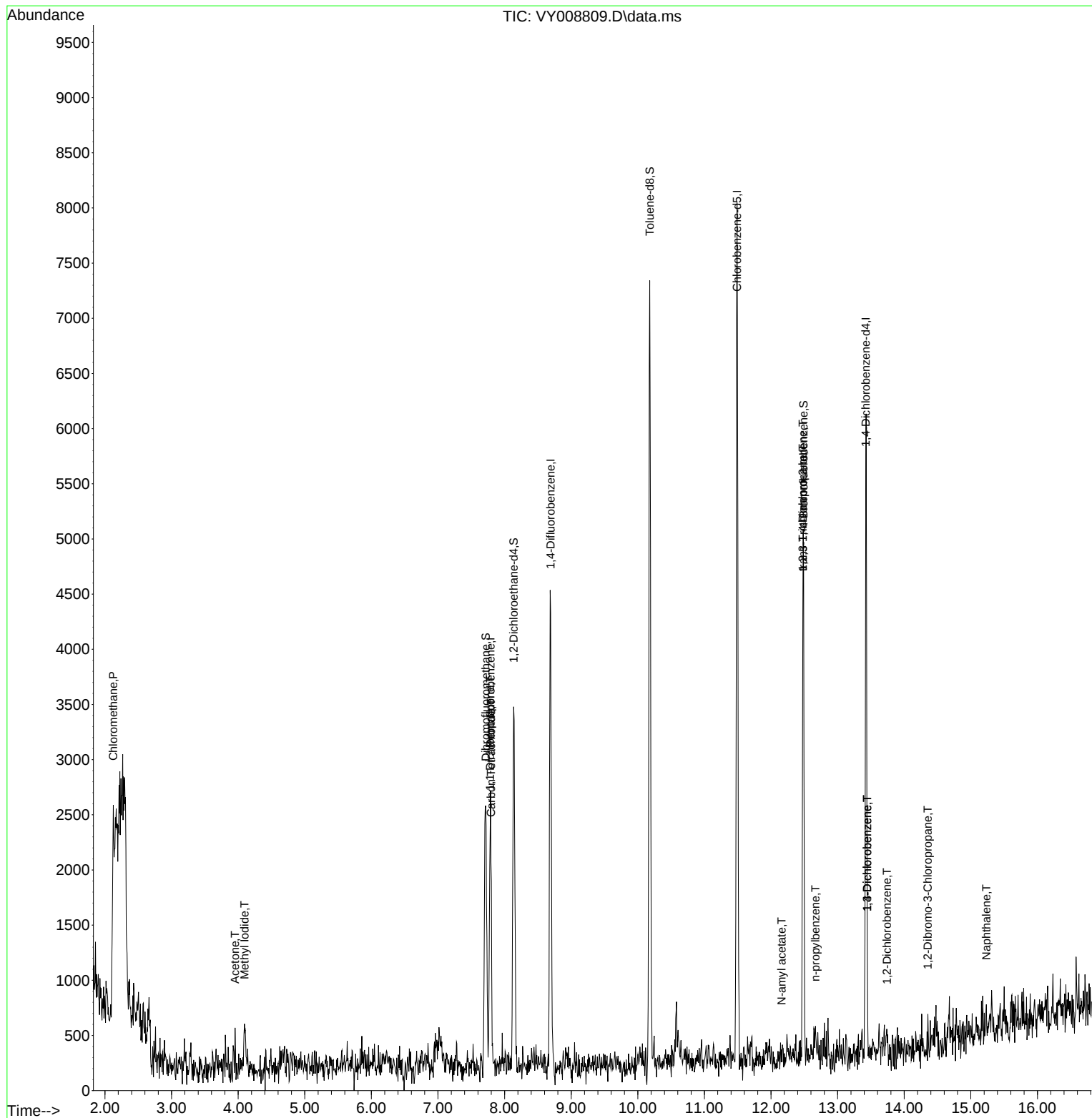
Internal Standards						
1) Pentafluorobenzene	7.789	168	2404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	4503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2582	115.774	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 231.540%#	
35) Dibromofluoromethane	7.716	113	1883	75.937	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 151.880%#	
50) Toluene-d8	10.179	98	4863	44.493	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.980%	
62) 4-Bromofluorobenzene	12.489	95	1337	35.107	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 70.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	256	2.135	ug/l	99
4) Vinyl Chloride	2.272	62	95	Below Cal	#	43
6) Chloroethane	2.802	64	44	Below Cal	#	43
10) Methyl Iodide	4.095	142	611	24.532	ug/l #	80
16) Acetone	3.954	43	211	17.455	ug/l #	47
18) Methyl Acetate	4.735	43	20	Below Cal	#	56
20) Methylene Chloride	4.704	84	57	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	98	2.468	ug/l #	42
38) Carbon Tetrachloride	7.795	117	110	2.584	ug/l #	11
74) N-amyl acetate	12.160	43	44	1.628	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	908	47.611	ug/l #	100
78) n-propylbenzene	12.666	91	204	1.467	ug/l #	53
81) trans-1,4-Dichloro-2-b...	12.477	75	908	104.138	ug/l #	7
87) 1,3-Dichlorobenzene	13.446	146	76	1.379	ug/l	84
88) 1,4-Dichlorobenzene	13.446	146	76	1.394	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	194	4.024	ug/l #	55
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25	5.808	ug/l #	6
95) Naphthalene	15.233	128	90	1.529	ug/l #	69

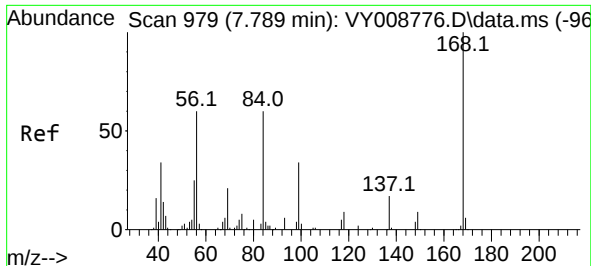
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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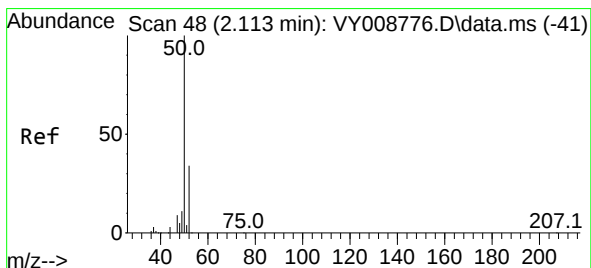
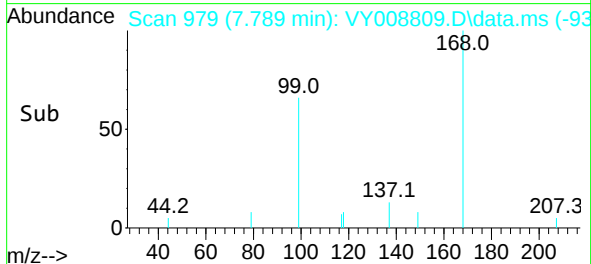
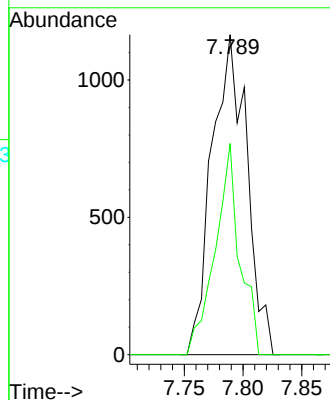
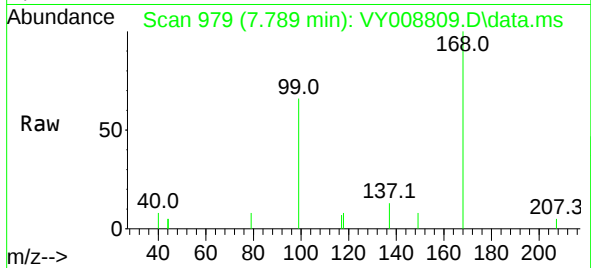




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

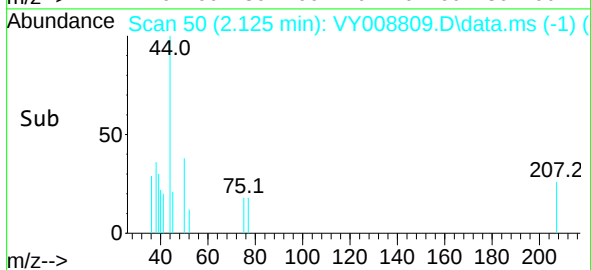
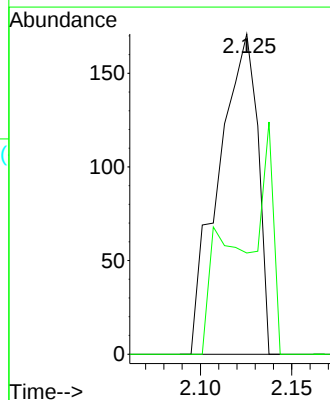
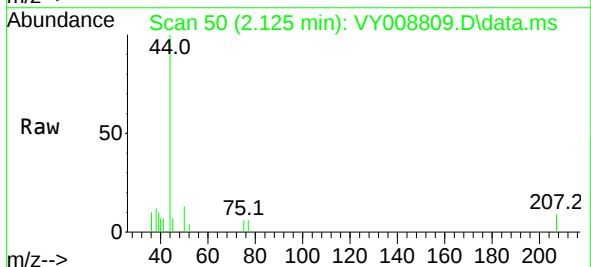
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

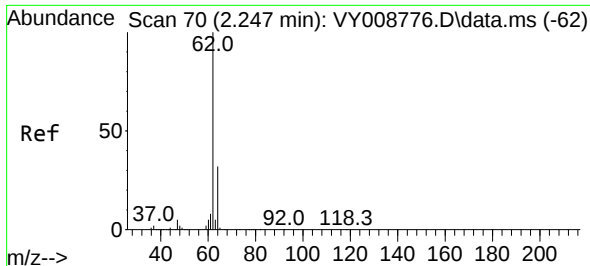
Tgt Ion:168 Resp: 2404
Ion Ratio Lower Upper
168 100
99 66.0 46.9 70.3



#3
Chloromethane
Concen: 2.135 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 31.6 24.6 37.0

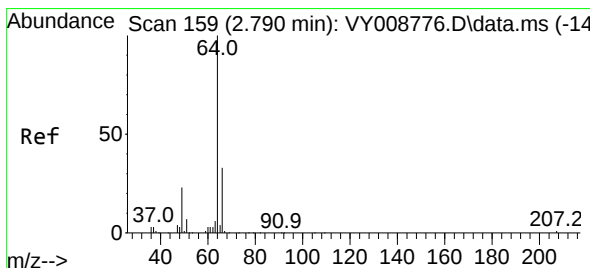
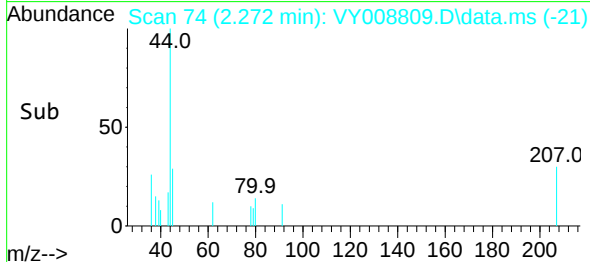
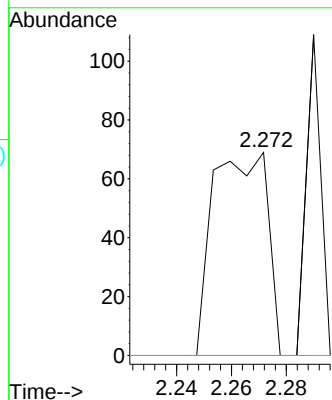
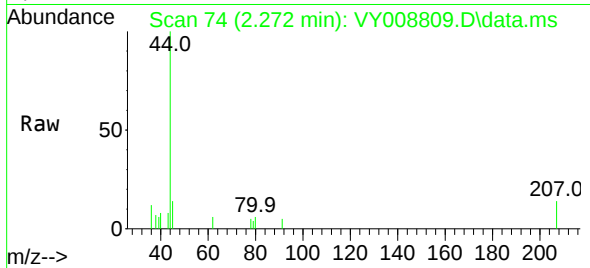




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.272 min Scan# 74
 Delta R.T. 0.025 min
 Lab File: VY008809.D
 Acq: 18 May 2022 13:22

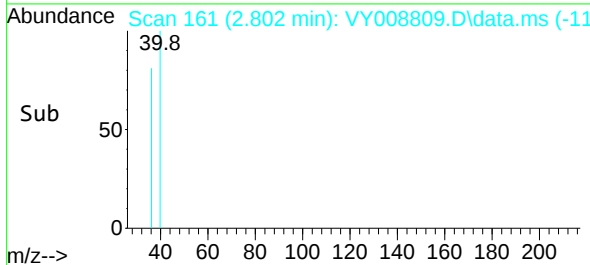
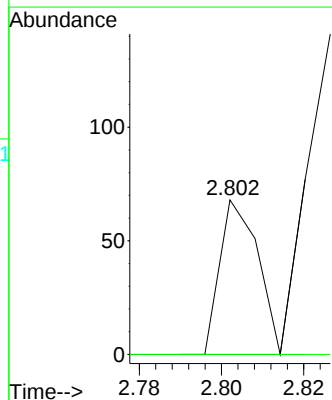
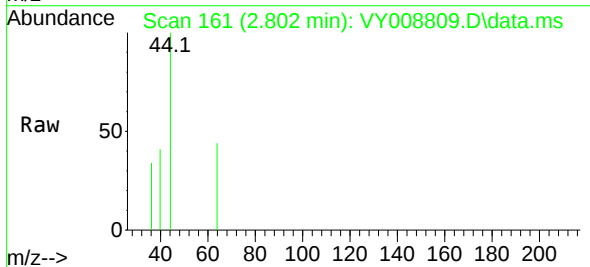
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

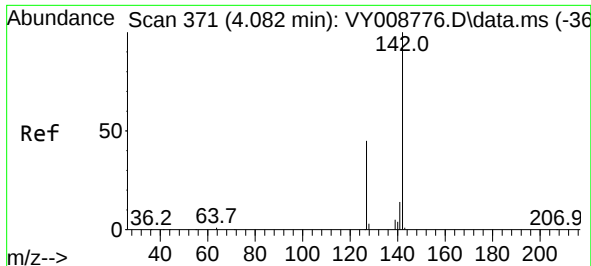
Tgt Ion: 62 Resp: 95
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 2.802 min Scan# 161
 Delta R.T. 0.012 min
 Lab File: VY008809.D
 Acq: 18 May 2022 13:22

Tgt Ion: 64 Resp: 44
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.4 38.0#





#10

Methyl Iodide

Concen: 24.532 ug/l

RT: 4.095 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY008809.D

Acq: 18 May 2022 13:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-38

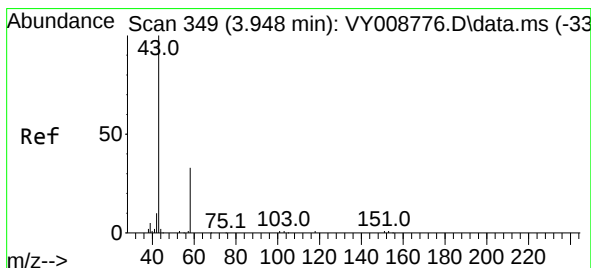
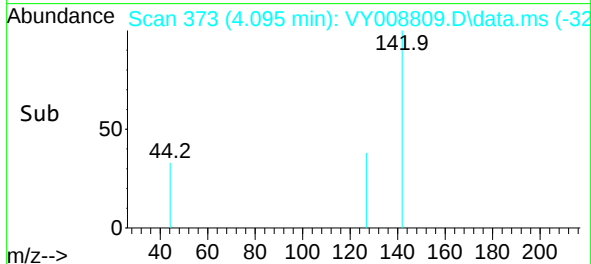
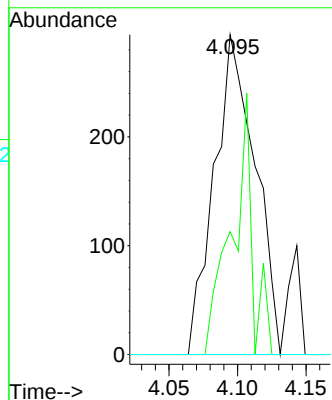
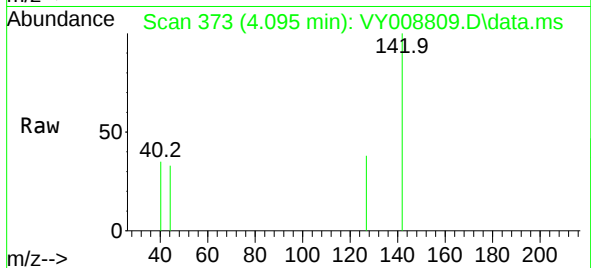
Tgt Ion:142 Resp: 611

Ion Ratio Lower Upper

142 100

127 40.9 41.5 62.3#

141 0.0 11.9 17.9#



#16

Acetone

Concen: 17.455 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY008809.D

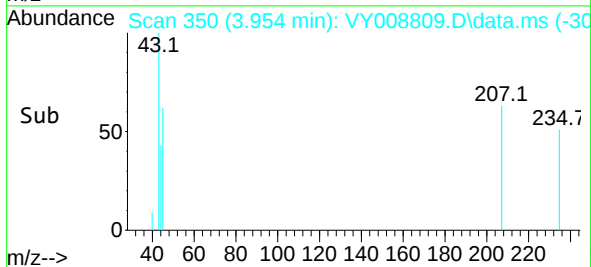
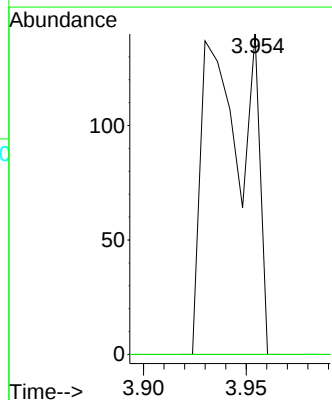
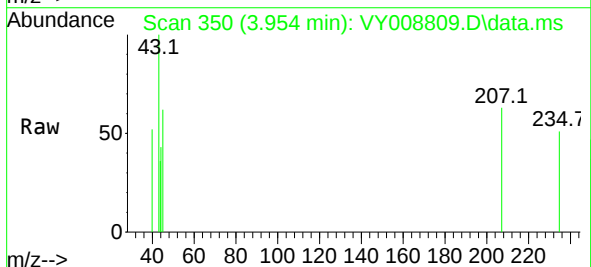
Acq: 18 May 2022 13:22

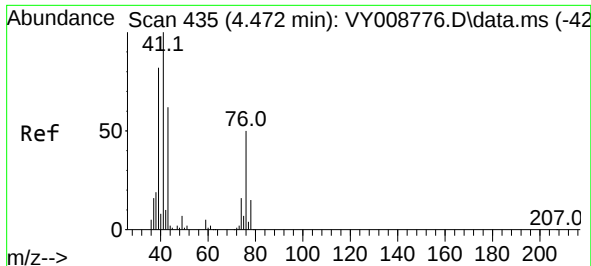
Tgt Ion: 43 Resp: 211

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.735 min Scan# 41

Delta R.T. 0.263 min

Lab File: VY008809.D

Acq: 18 May 2022 13:22

Instrument :

MSVOA_Y

ClientSampleId :

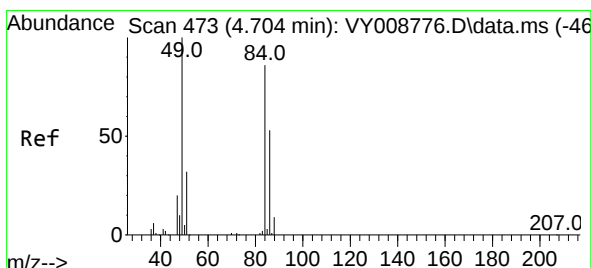
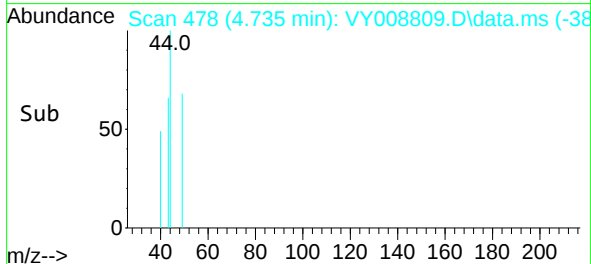
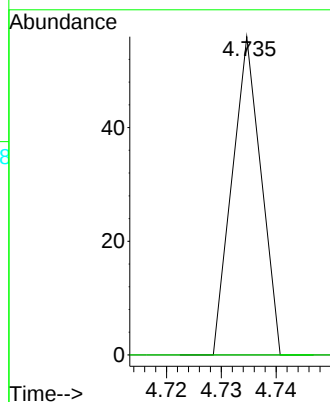
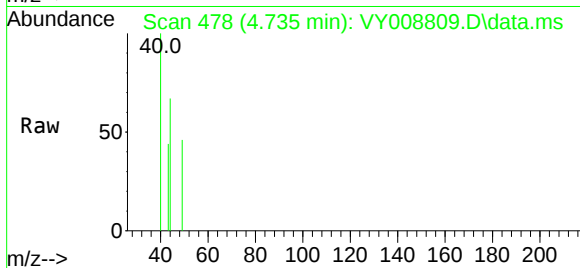
TP-38

Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY008809.D

Acq: 18 May 2022 13:22

Tgt Ion: 84 Resp: 57

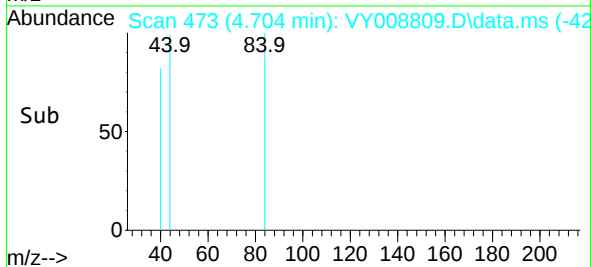
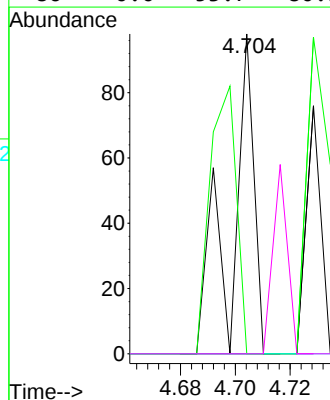
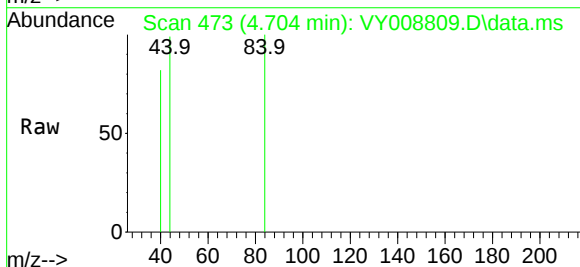
Ion Ratio Lower Upper

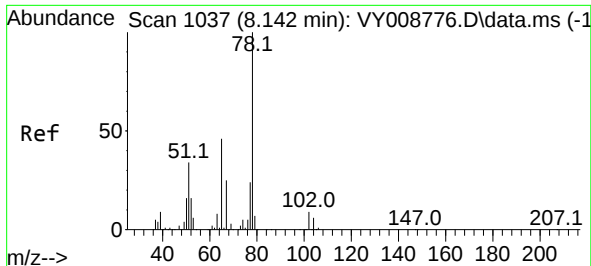
84 100

49 0.0 114.4 171.6#

51 0.0 35.3 52.9#

86 0.0 53.7 80.5#

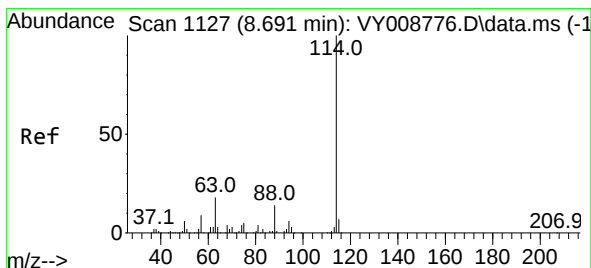
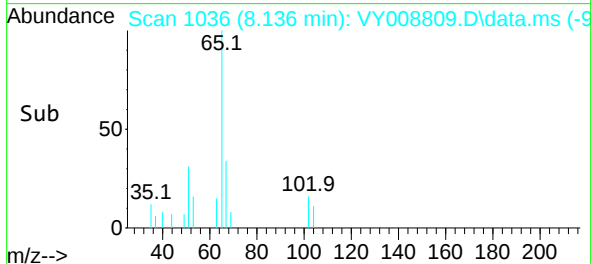
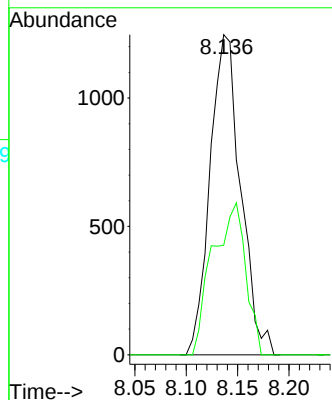
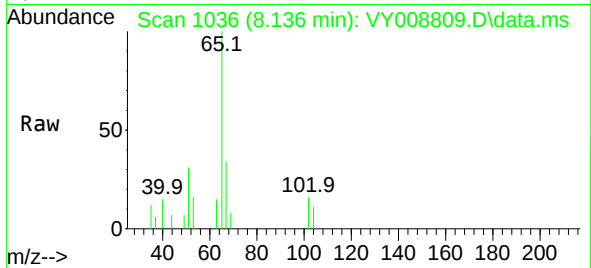




#33
 1,2-Dichloroethane-d4
 Concen: 115.774 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY008809.D
 Acq: 18 May 2022 13:22

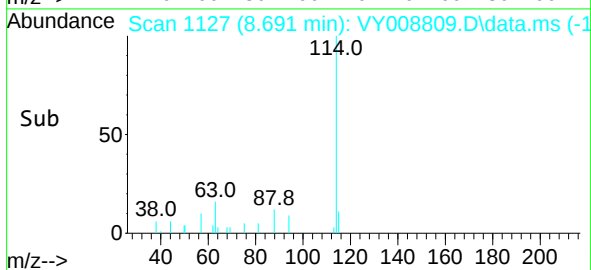
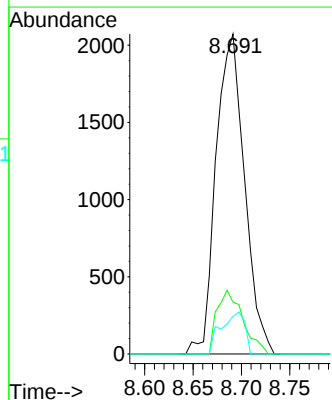
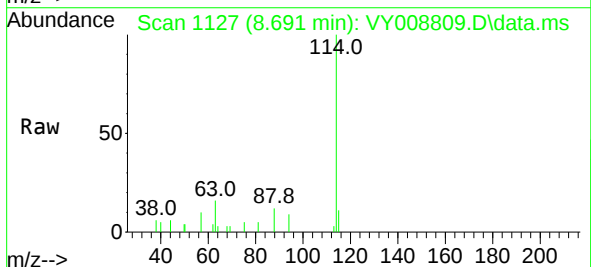
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-38

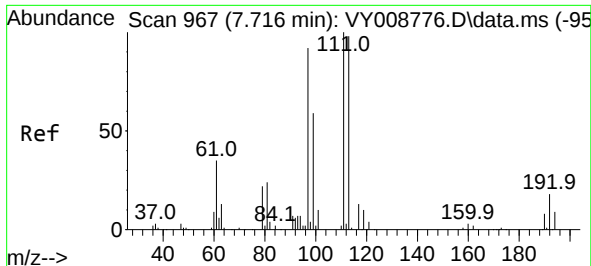
Tgt Ion: 65 Resp: 2582
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY008809.D
 Acq: 18 May 2022 13:22

Tgt Ion: 114 Resp: 4244
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 43.2
 88 11.7 0.0 31.8



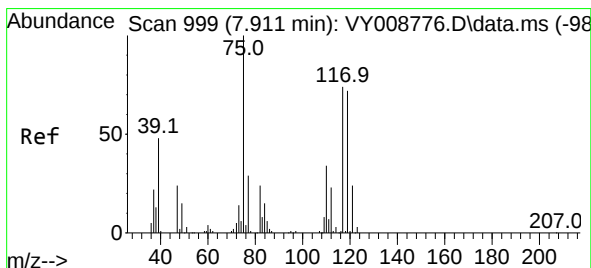
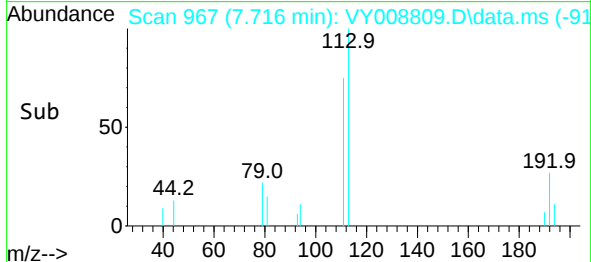
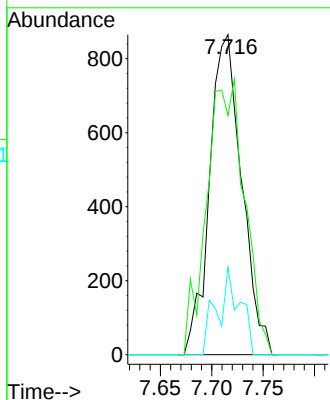
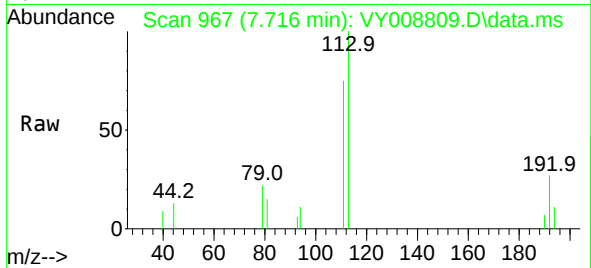


#35
 Dibromofluoromethane
 Concen: 75.937 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY008809.D
 Acq: 18 May 2022 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :
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Tgt Ion: 113 Resp: 1883

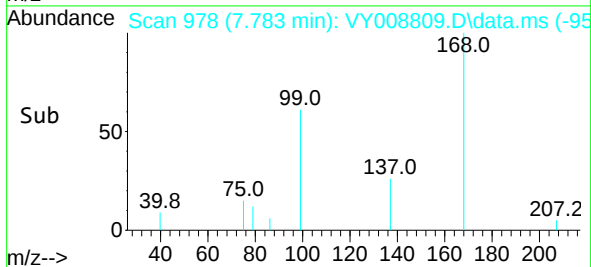
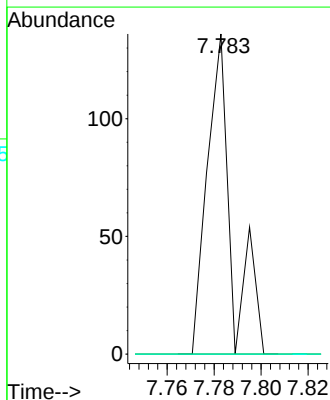
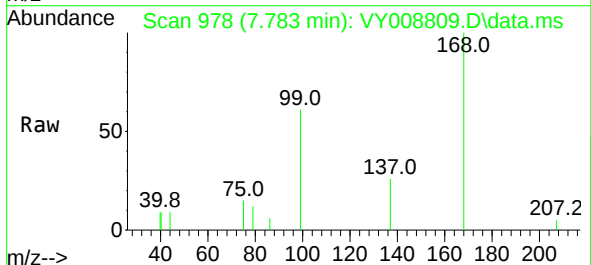
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	124.0
192	19.1	17.6	26.4

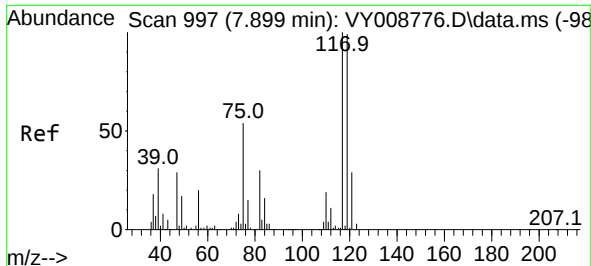


#36
 1,1-Dichloropropene
 Concen: 2.468 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY008809.D
 Acq: 18 May 2022 13:22

Tgt Ion: 75 Resp: 98

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	24.4	36.6#

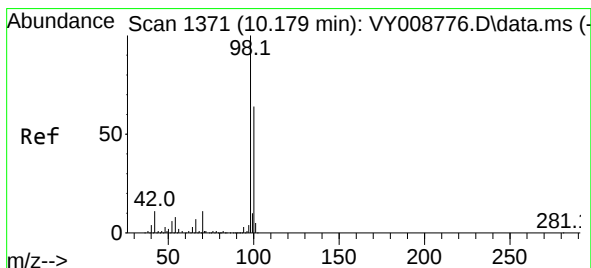
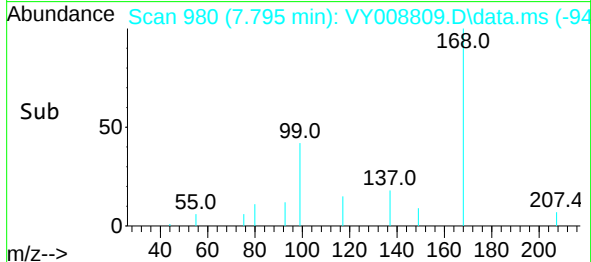
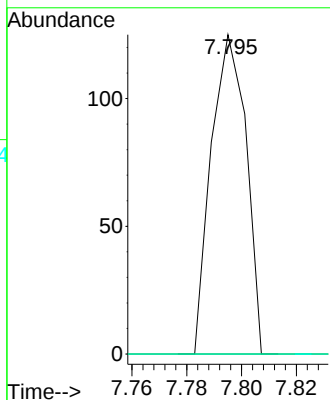
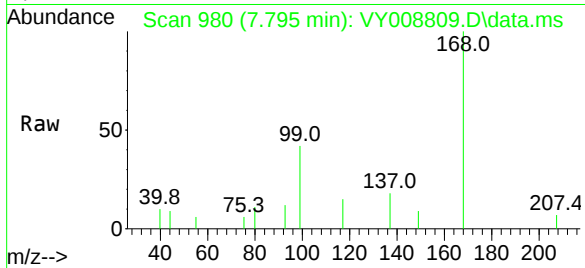




#38
Carbon Tetrachloride
Concen: 2.584 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

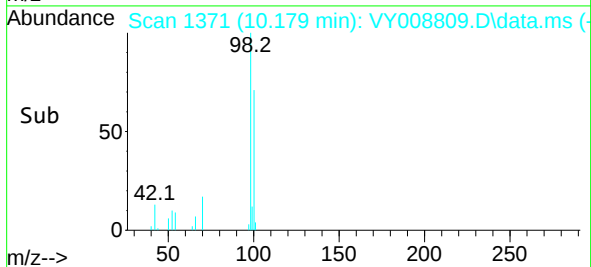
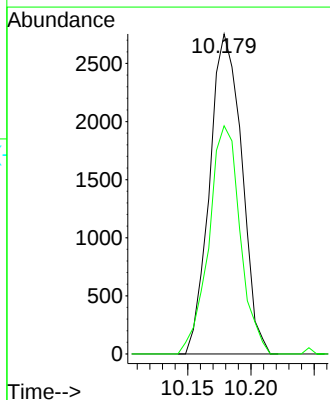
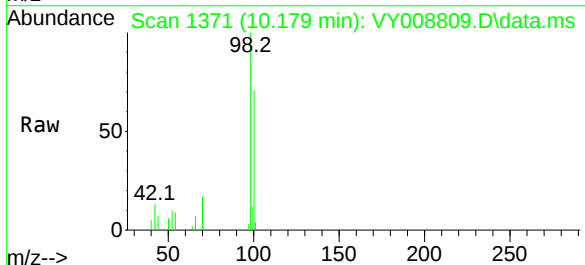
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

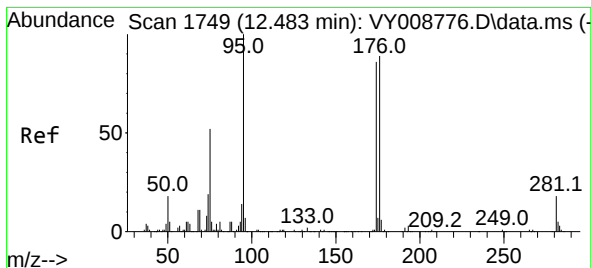
Tgt Ion:117 Resp: 110
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.493 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

Tgt Ion: 98 Resp: 4863
Ion Ratio Lower Upper
98 100
100 69.4 50.2 75.2

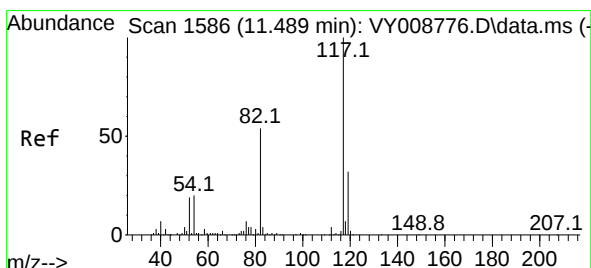
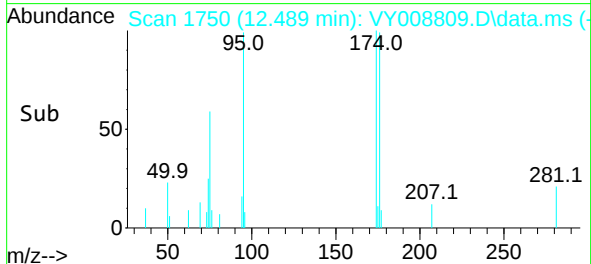
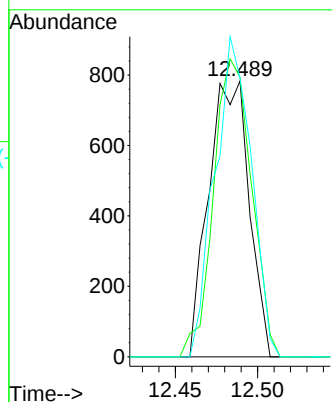
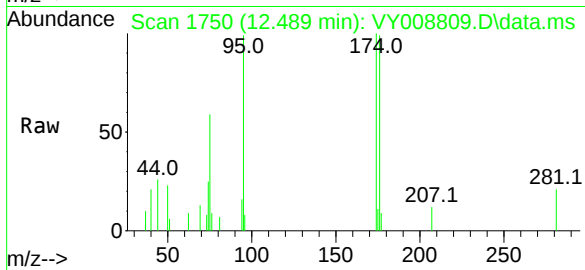




#62
4-Bromofluorobenzene
Concen: 35.107 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

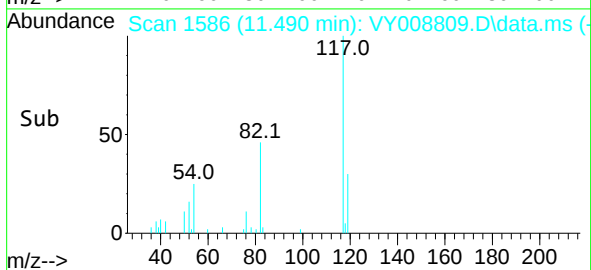
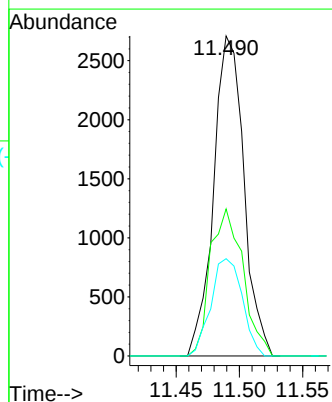
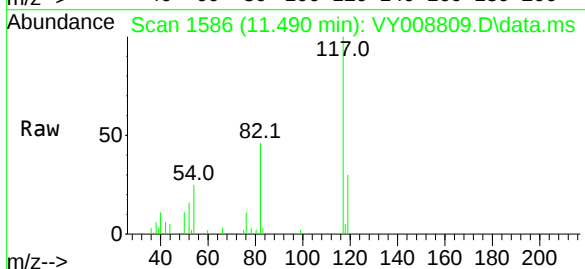
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

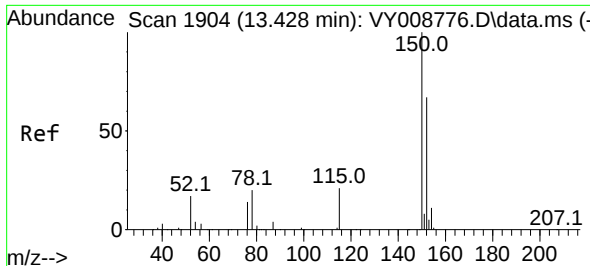
Tgt Ion: 95 Resp: 1337
Ion Ratio Lower Upper
95 100
174 101.8 0.0 177.0
176 104.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

Tgt Ion: 117 Resp: 4503
Ion Ratio Lower Upper
117 100
82 46.0 43.0 64.4
119 30.4 25.4 38.0

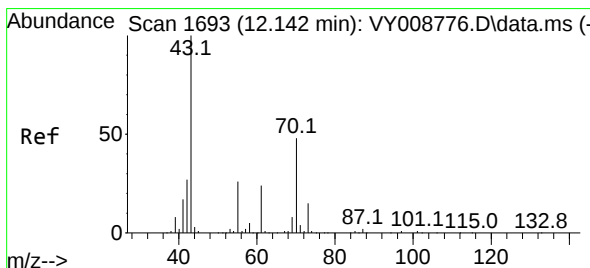
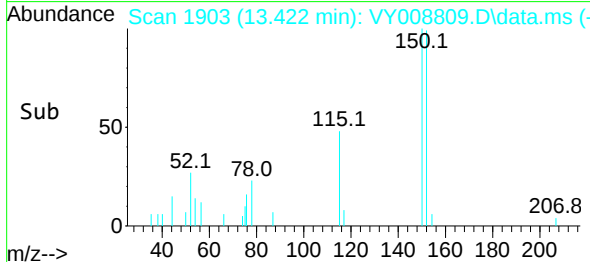
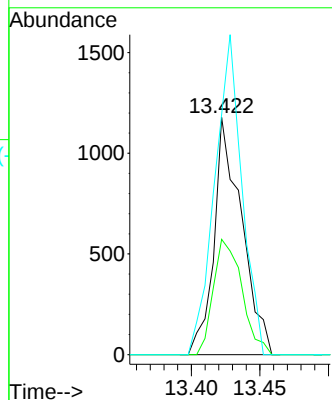
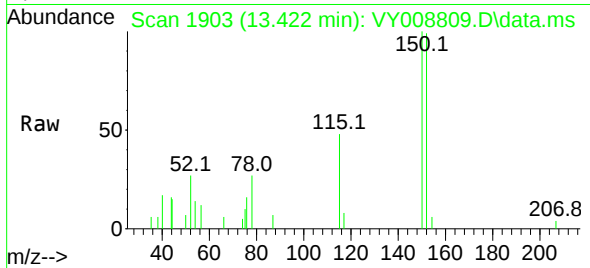




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

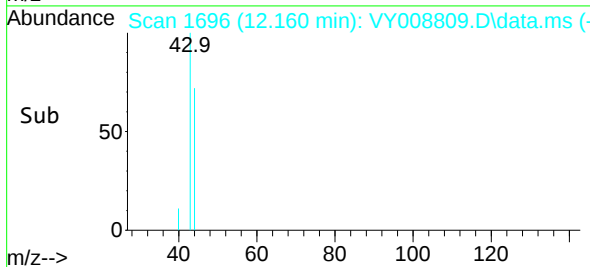
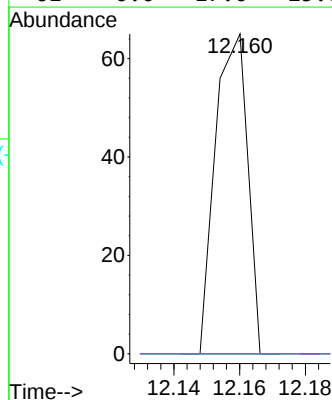
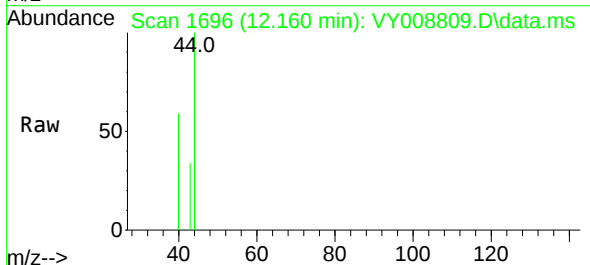
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

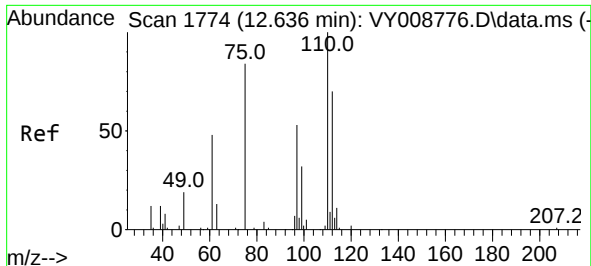
Tgt Ion:152 Resp: 1651
Ion Ratio Lower Upper
152 100
115 50.2 28.2 84.7
150 132.8 0.0 347.6



#74
N-ethyl acetate
Concen: 1.628 ug/l
RT: 12.160 min Scan# 1696
Delta R.T. 0.018 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

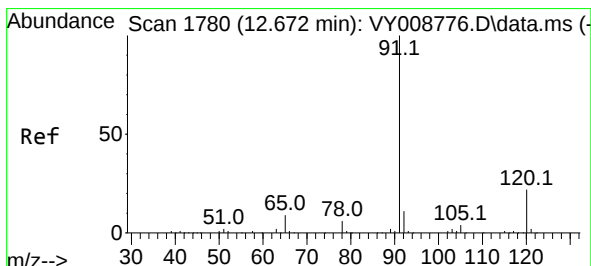
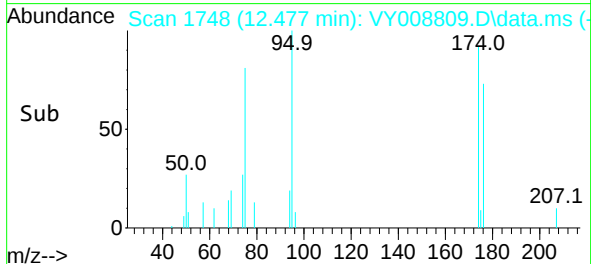
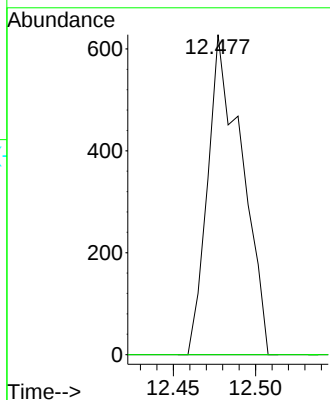
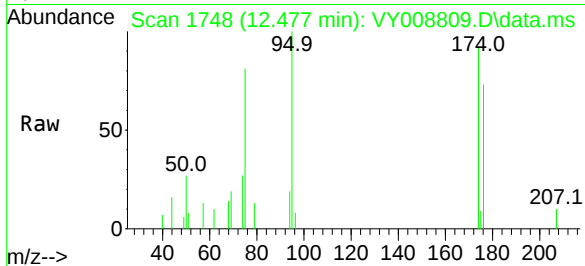




#76
1,2,3-Trichloropropane
Concen: 47.611 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.158 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

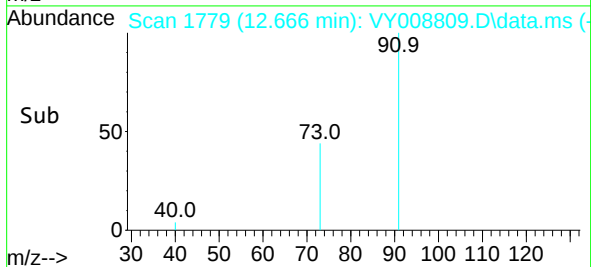
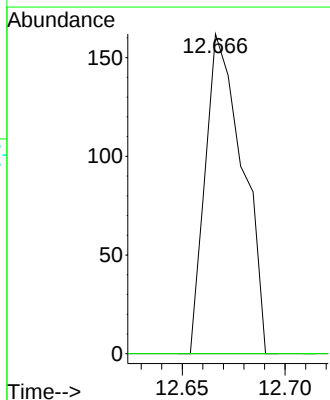
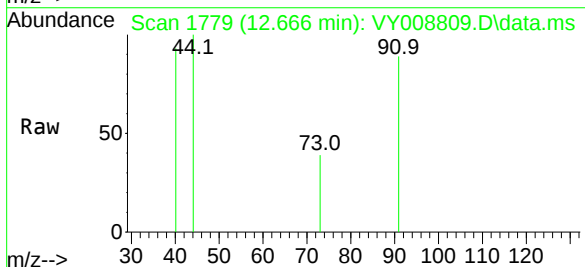
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

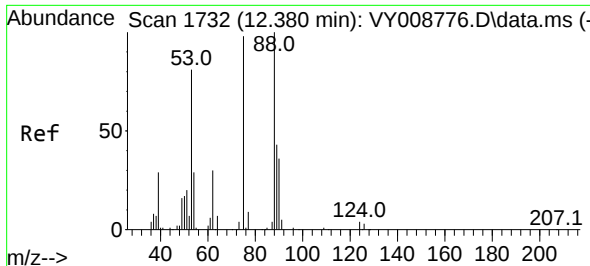
Tgt Ion: 75 Resp: 908
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 1.467 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

Tgt Ion: 91 Resp: 204
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.9#

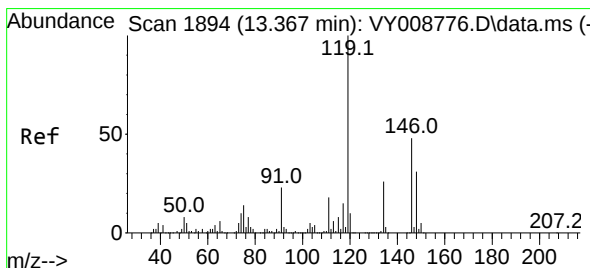
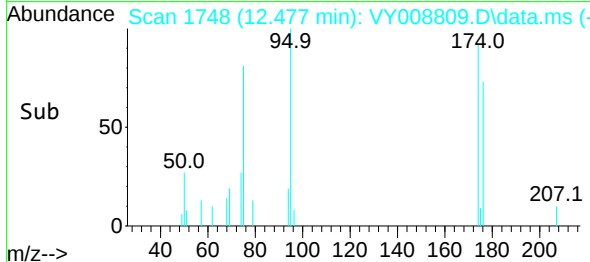
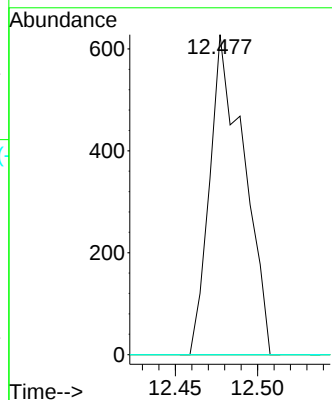
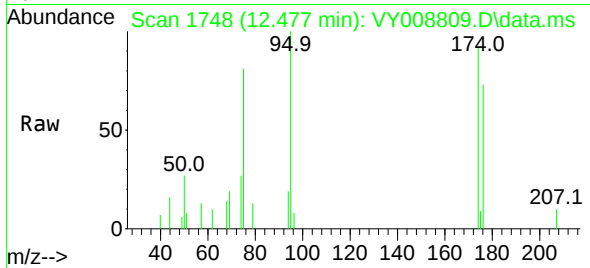




#81
trans-1,4-Dichloro-2-butene
Concen: 104.138 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

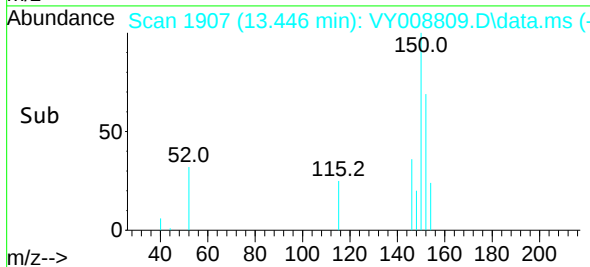
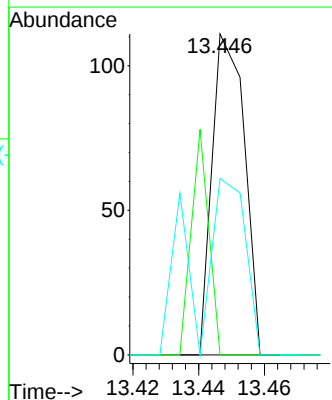
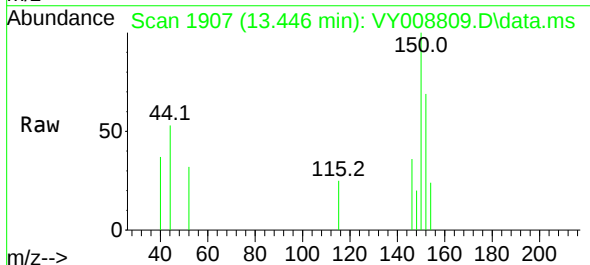
Instrument :
MSVOA_Y
ClientSampleId :
TP-38

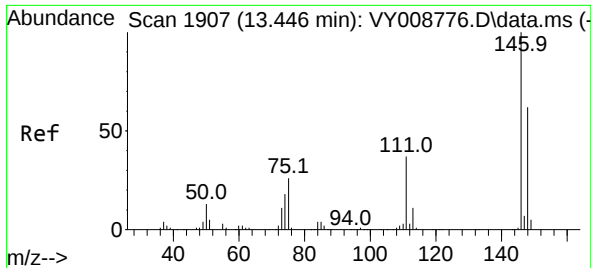
Tgt Ion: 75 Resp: 908
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#87
1,3-Dichlorobenzene
Concen: 1.379 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.079 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

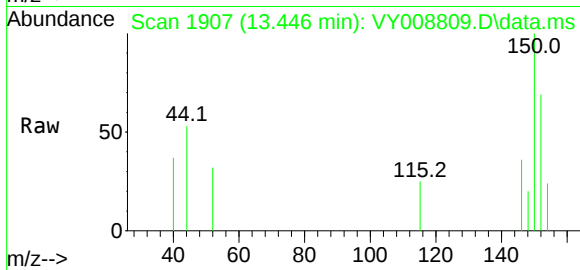
Tgt Ion: 146 Resp: 76
Ion Ratio Lower Upper
146 100
111 38.2 19.5 58.5
148 82.9 31.6 95.0



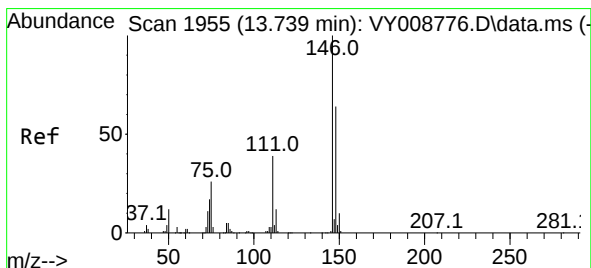
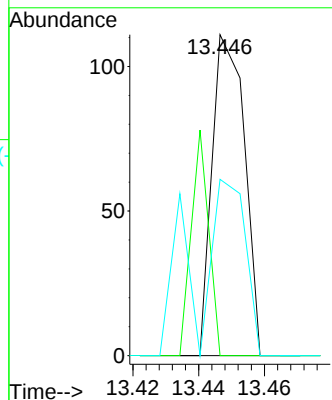
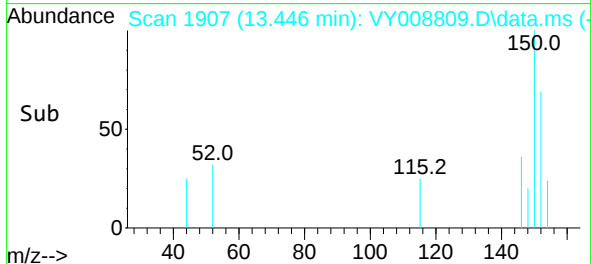


#88
1,4-Dichlorobenzene
Concen: 1.394 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

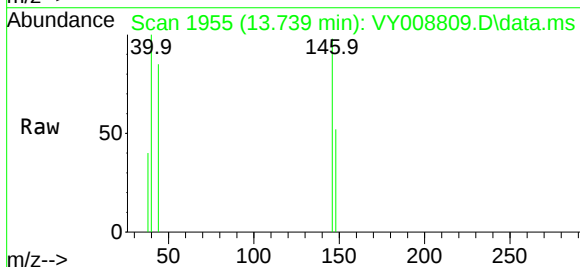
Instrument :
MSVOA_Y
ClientSampleId :
TP-38



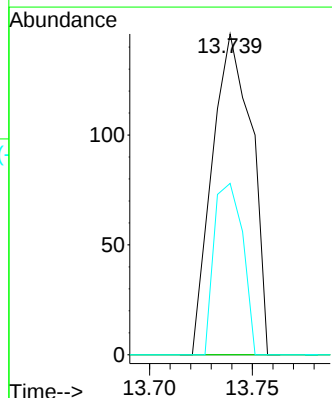
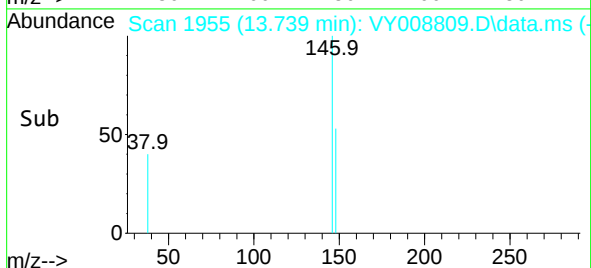
Tgt Ion:146 Resp: 76
Ion Ratio Lower Upper
146 100
111 38.2 19.3 57.8
148 82.9 32.6 97.8

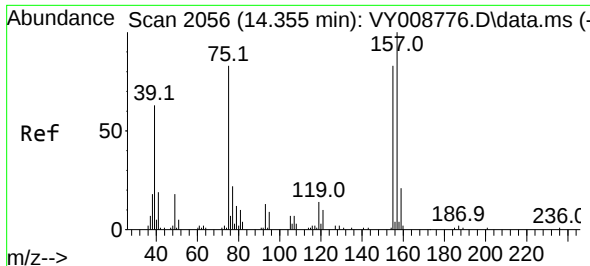


#91
1,2-Dichlorobenzene
Concen: 4.024 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22



Tgt Ion:146 Resp: 194
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.9#
148 39.2 32.3 96.9

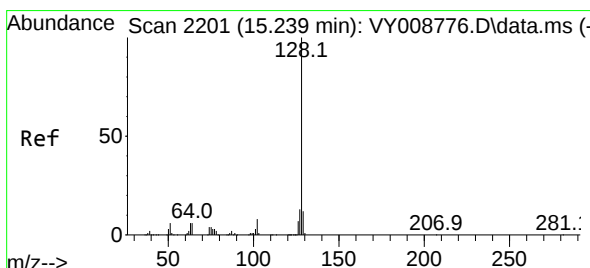
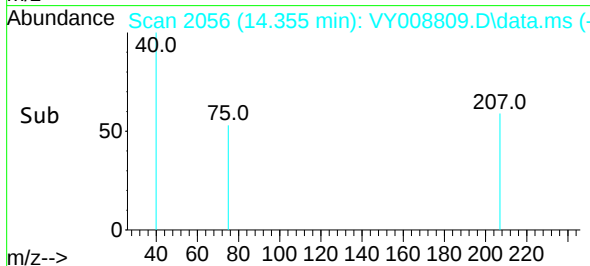
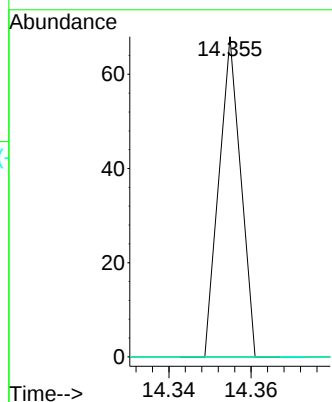
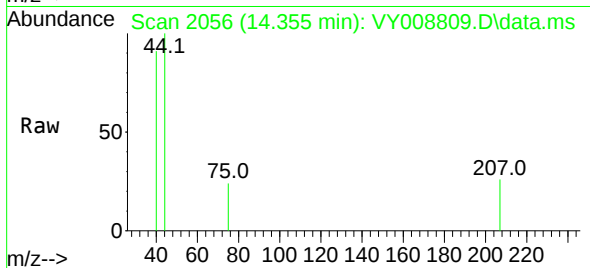




#92
1,2-Dibromo-3-Chloropropane
Concen: 5.808 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. 0.000 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-38

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#



#95
Naphthalene
Concen: 1.529 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY008809.D
Acq: 18 May 2022 13:22

Tgt Ion: 128 Resp: 90
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

