

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008788.D
 Acq On : 17 May 2022 21:51
 Operator : KP/MD
 Sample : N2841-02
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 07:58:28 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)

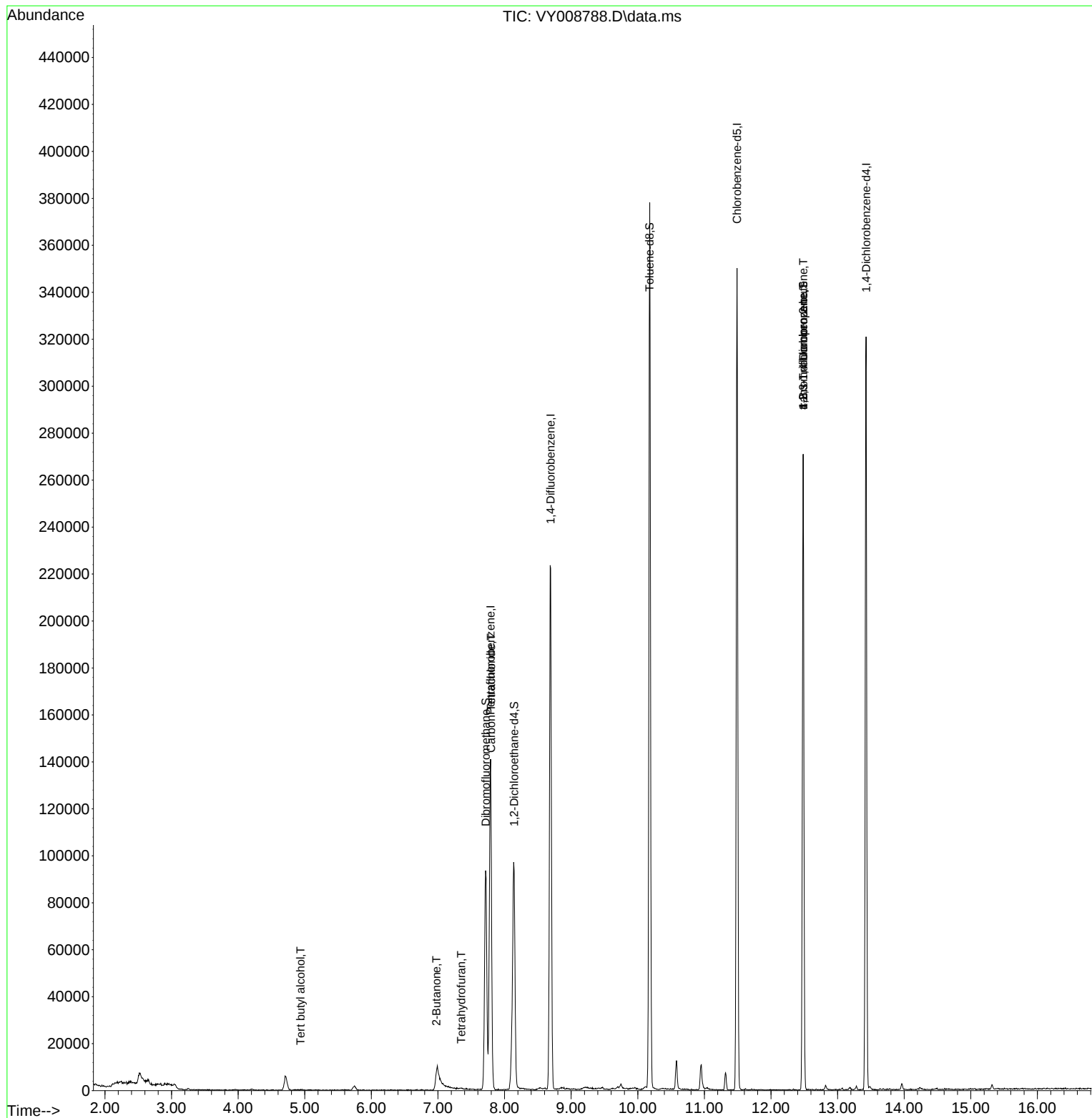
Internal Standards						
1) Pentafluorobenzene	7.789	168	109019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	193658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	183204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	68686	67.913	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.820%	
35) Dibromofluoromethane	7.716	113	63839	56.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.840%	
50) Toluene-d8	10.179	98	240048	47.872	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.740%	
62) 4-Bromofluorobenzene	12.483	95	70439	39.995	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	235	Below Cal	#	44
4) Vinyl Chloride	2.211	62	19	Below Cal	#	43
5) Bromomethane	2.662	94	337	Below Cal		82
6) Chloroethane	2.613	64	79	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	221	1.977	ug/l #	77
16) Acetone	3.942	43	645	Below Cal	#	47
18) Methyl Acetate	4.485	43	19	Below Cal	#	56
20) Methylene Chloride	4.710	84	4518	Below Cal	#	79
25) 2-Butanone	6.978	43	811	1.911	ug/l #	54
29) Tetrahydrofuran	7.350	42	304	1.075	ug/l #	45
31) Cyclohexane	7.783	56	2523	Below Cal	#	20
38) Carbon Tetrachloride	7.795	117	10958	5.642	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	40077	44.408	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40077	97.134	ug/l #	7

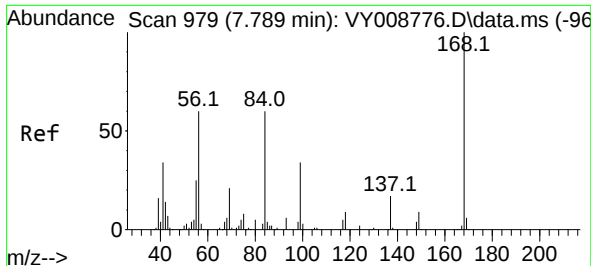
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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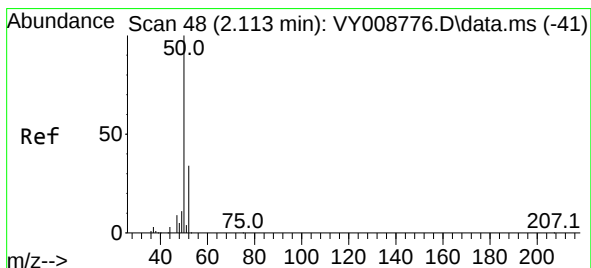
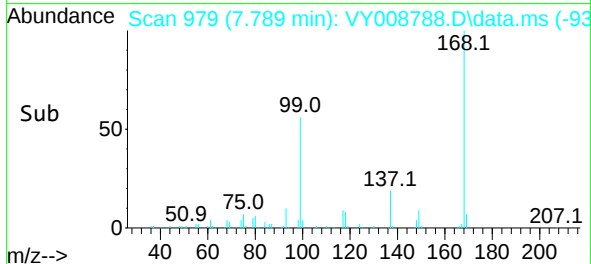
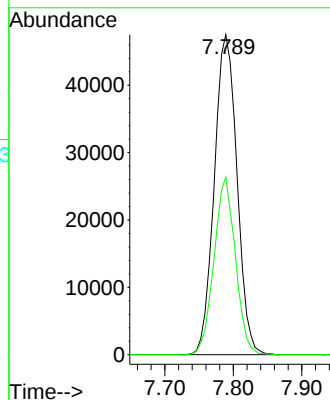
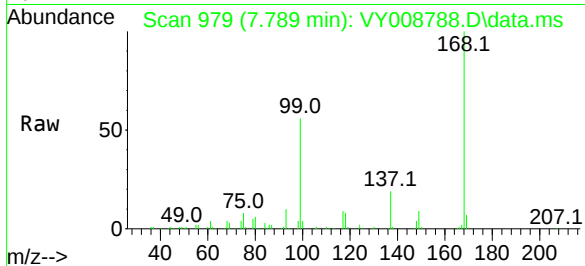




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

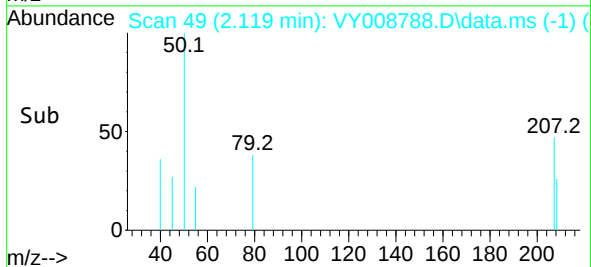
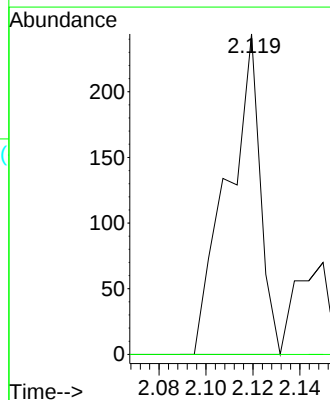
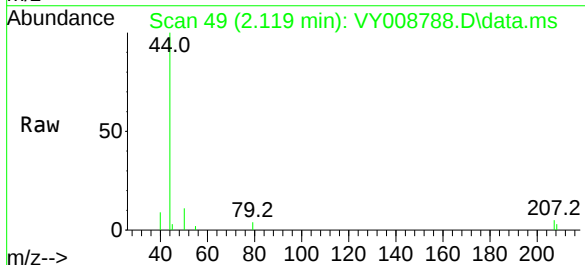
Instrument :
MSVOA_Y
ClientSampleId :

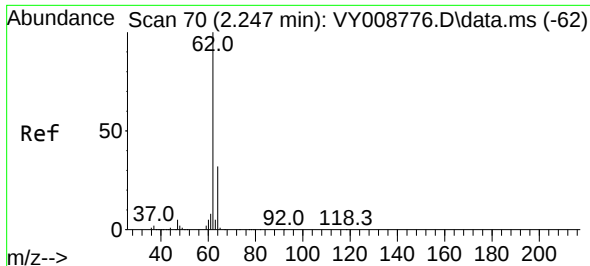
Tgt Ion:168 Resp: 109019
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

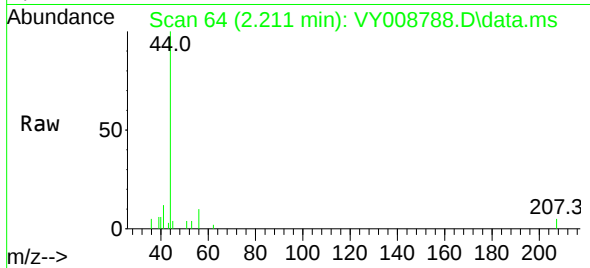
Tgt Ion: 50 Resp: 235
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



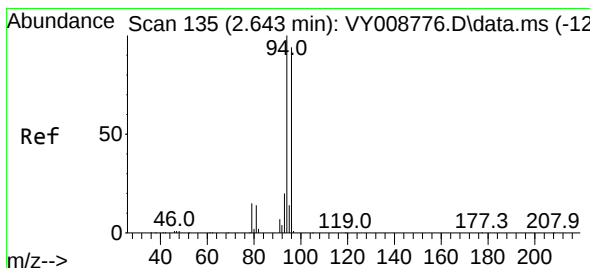
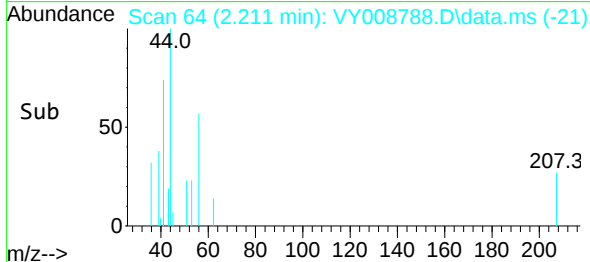
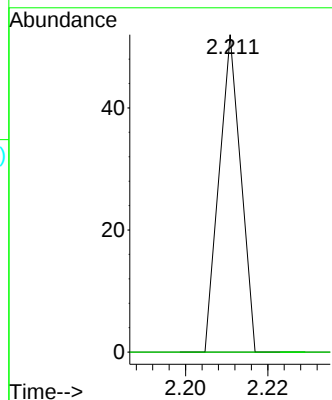


#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.211 min Scan# 64
 Delta R.T. -0.036 min
 Lab File: VY008788.D
 Acq: 17 May 2022 21:51

Instrument :
 MSVOA_Y
 ClientSampleId :

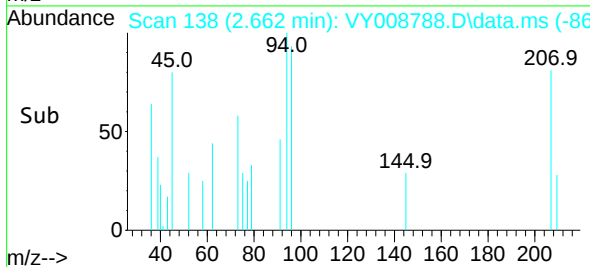
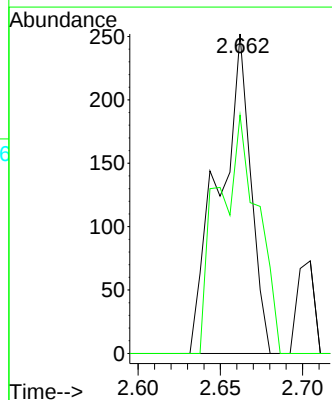
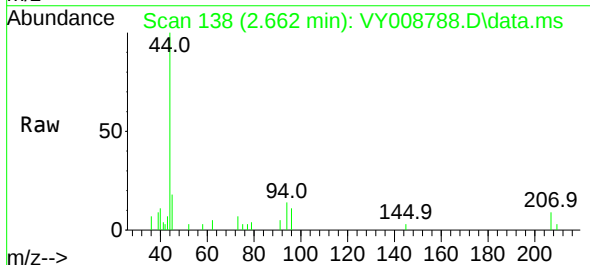


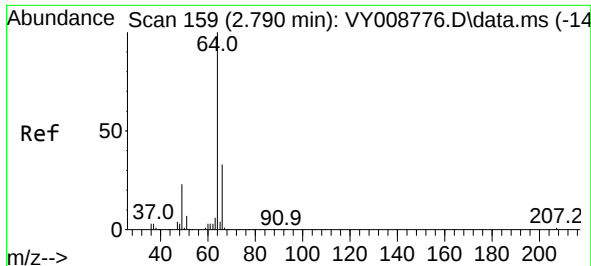
Tgt Ion: 62 Resp: 19
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.019 min
 Lab File: VY008788.D
 Acq: 17 May 2022 21:51

Tgt Ion: 94 Resp: 337
 Ion Ratio Lower Upper
 94 100
 96 74.6 73.5 110.3

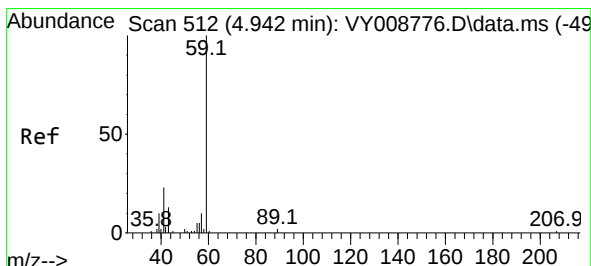
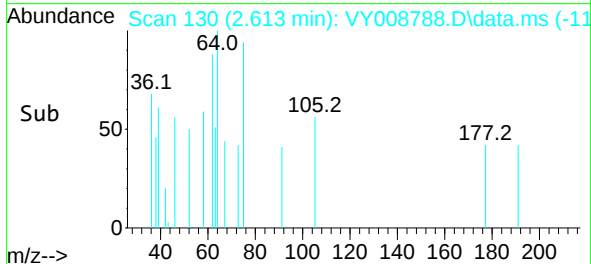
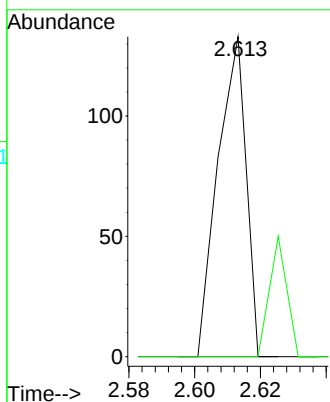
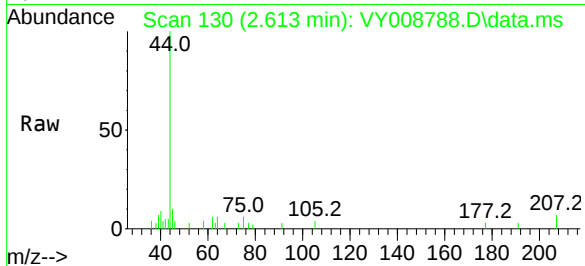




#6
Chloroethane
Concen: Below Cal
RT: 2.613 min Scan# 11
Delta R.T. -0.177 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

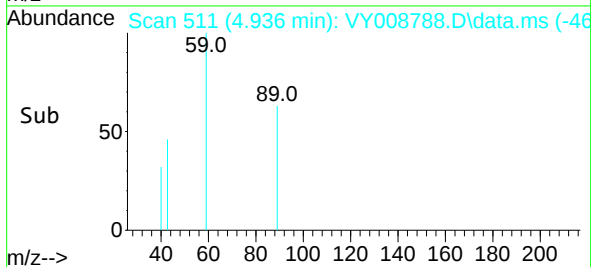
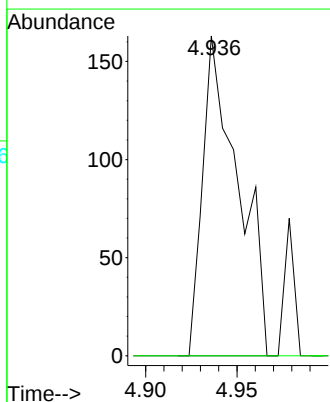
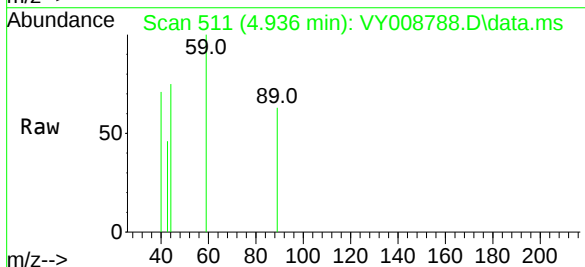
Instrument :
MSVOA_Y
ClientSampleId :

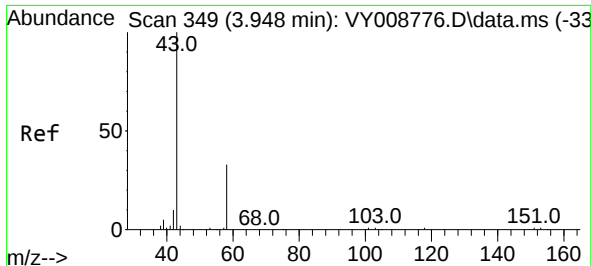
Tgt Ion: 64 Resp: 79
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1.977 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

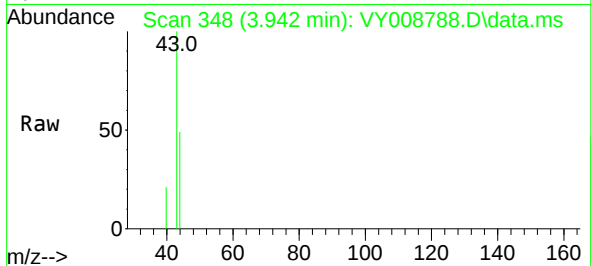
Tgt Ion: 59 Resp: 221
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



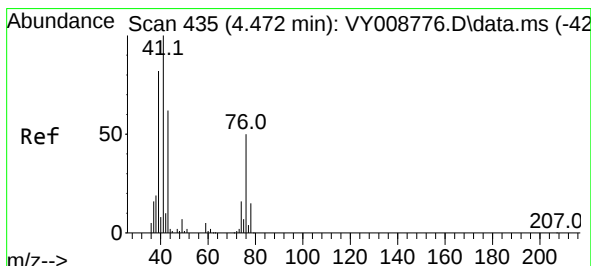
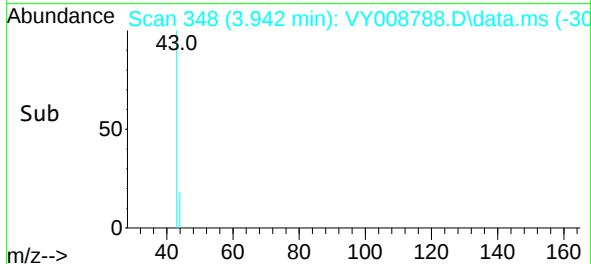
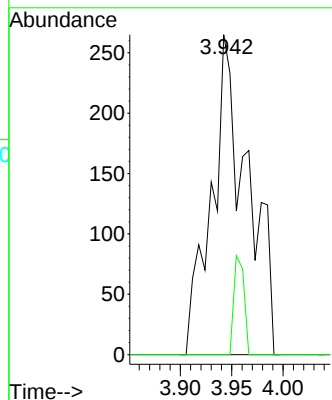


#16
Acetone
Concen: Below Cal
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

Instrument :
MSVOA_Y
ClientSampleId :

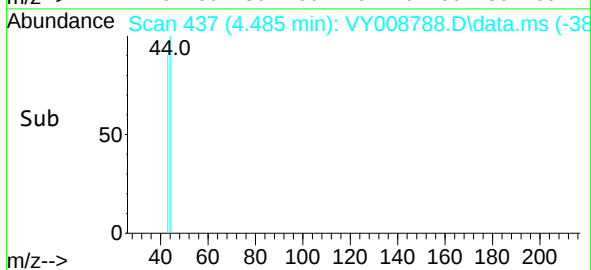
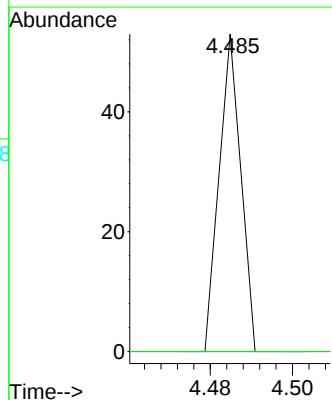
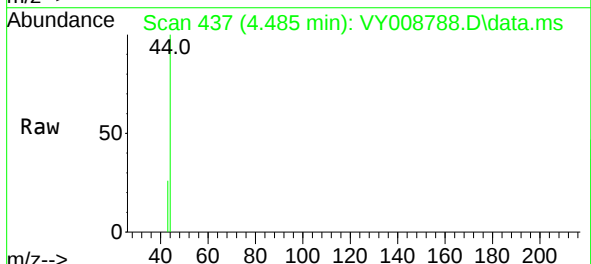


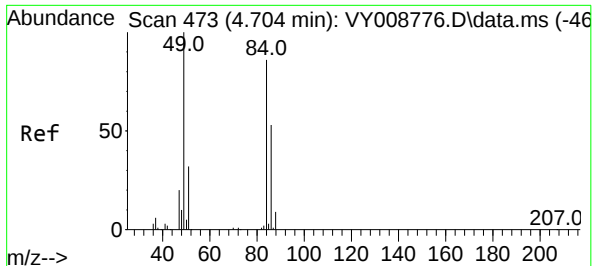
Tgt Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.013 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

Tgt Ion: 43 Resp: 19
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

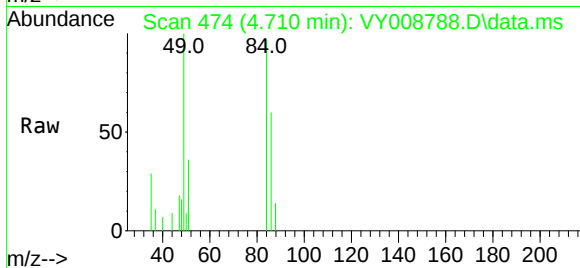
Lab File: VY008788.D

Acq: 17 May 2022 21:51

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 4518

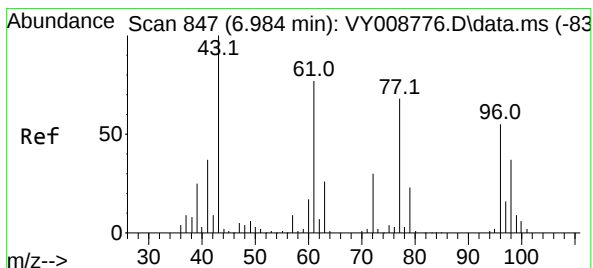
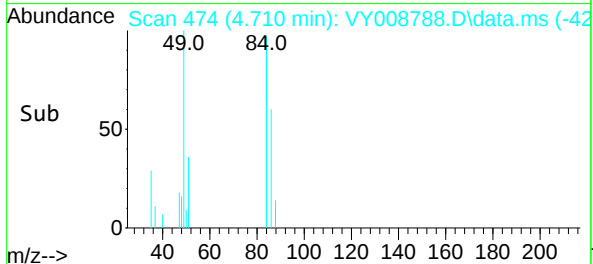
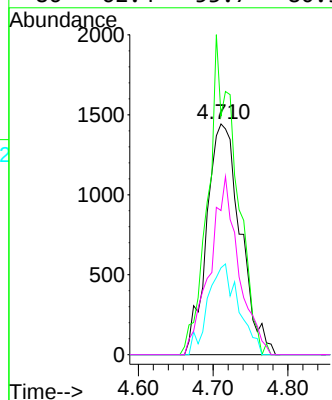
Ion Ratio Lower Upper

84 100

49 103.5 114.4 171.6#

51 37.6 35.3 52.9

86 62.4 53.7 80.5



#25

2-Butanone

Concen: 1.911 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY008788.D

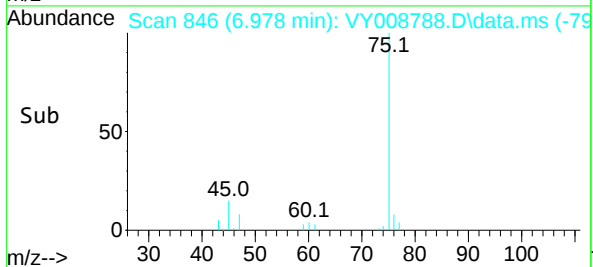
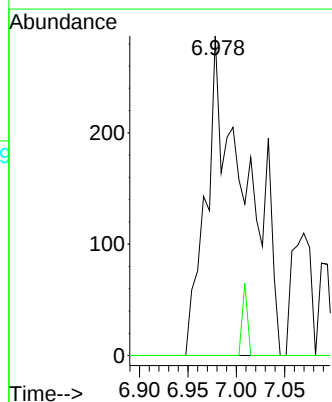
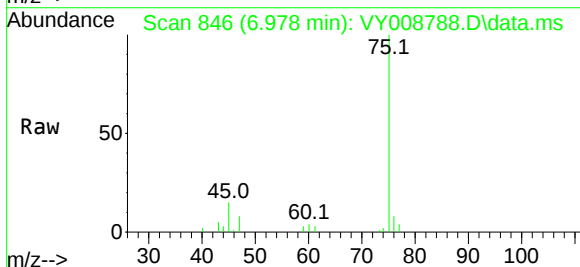
Acq: 17 May 2022 21:51

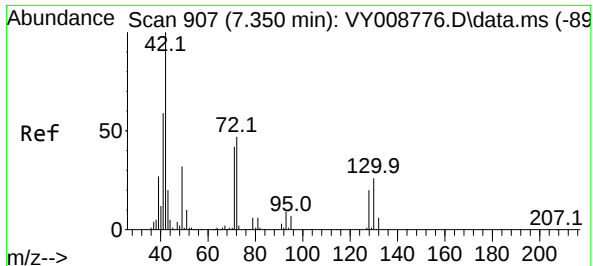
Tgt Ion: 43 Resp: 811

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 1.075 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

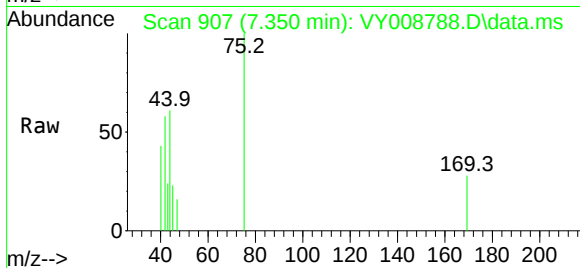
Lab File: VY008788.D

Acq: 17 May 2022 21:51

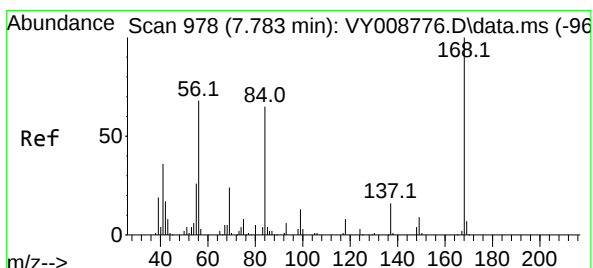
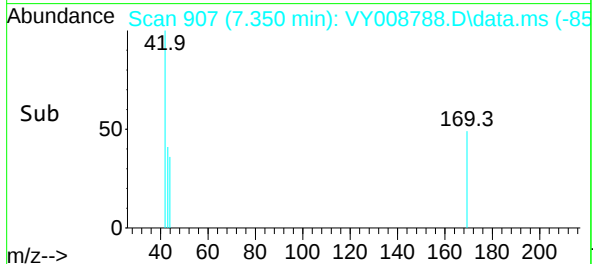
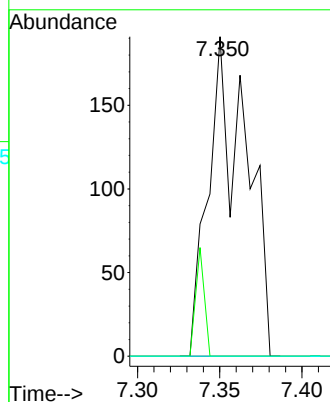
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	304
Ion Ratio	Lower	Upper	
42	100		
72	7.9	30.3	45.5#
71	0.0	29.0	43.4#



#31

Cyclohexane

Concen: Below Cal

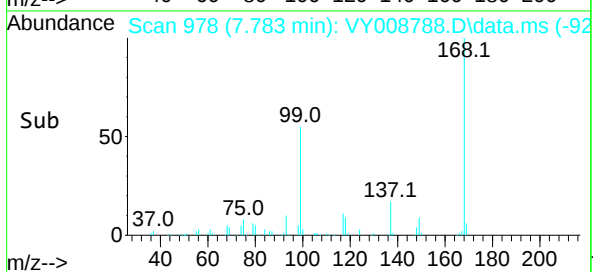
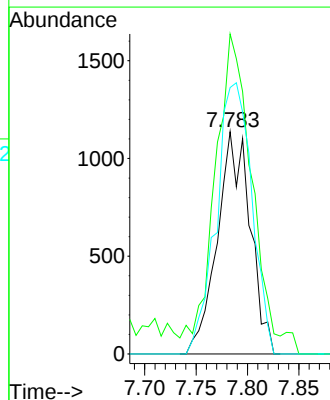
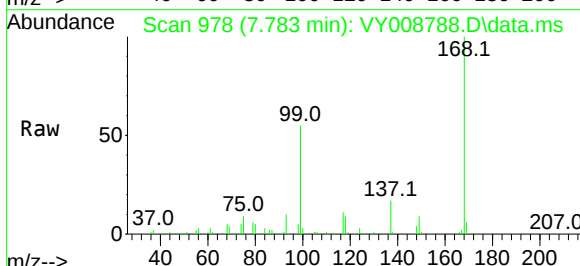
RT: 7.783 min Scan# 978

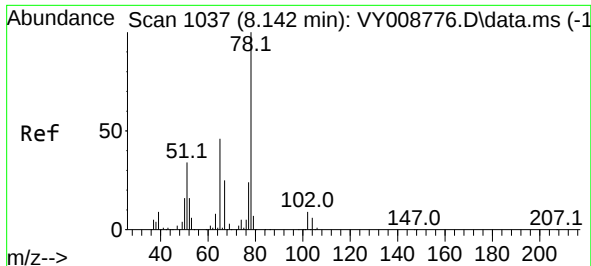
Delta R.T. -0.000 min

Lab File: VY008788.D

Acq: 17 May 2022 21:51

Tgt Ion:	56	Resp:	2523
Ion Ratio	Lower	Upper	
56	100		
69	136.8	26.7	40.1#
84	119.9	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.913 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.000 min

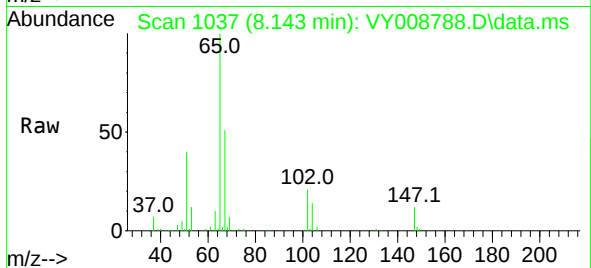
Lab File: VY008788.D

Acq: 17 May 2022 21:51

Instrument :

MSVOA_Y

ClientSampleId :

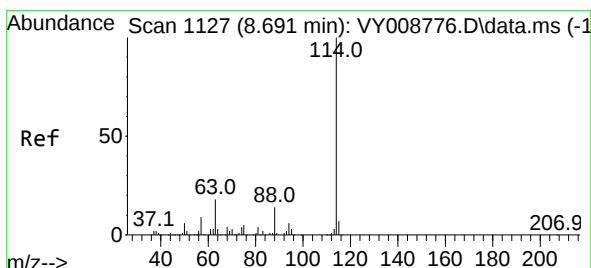
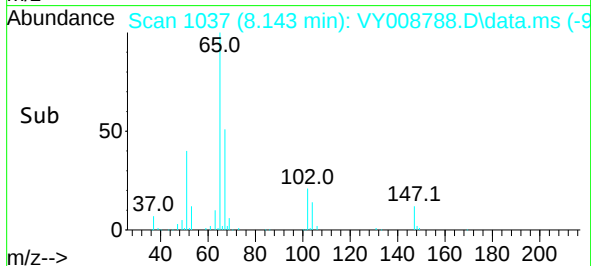
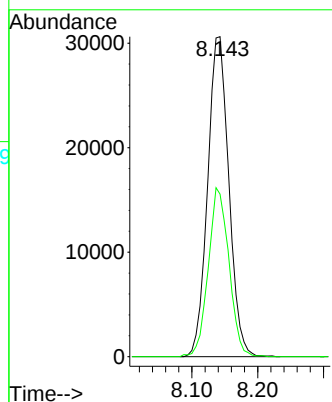


Tgt Ion: 65 Resp: 68686

Ion Ratio Lower Upper

65 100

67 51.5 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: VY008788.D

Acq: 17 May 2022 21:51

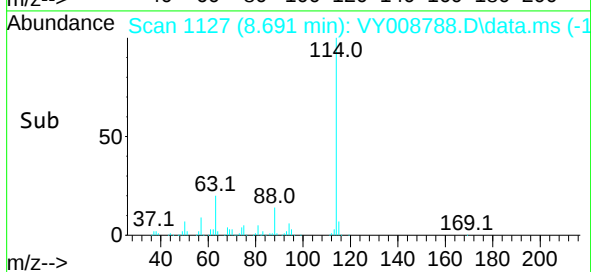
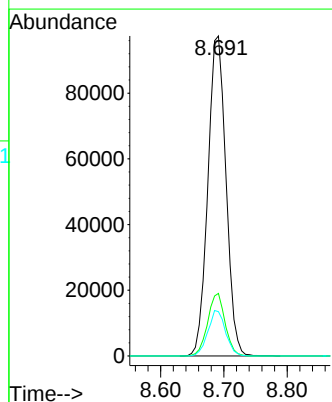
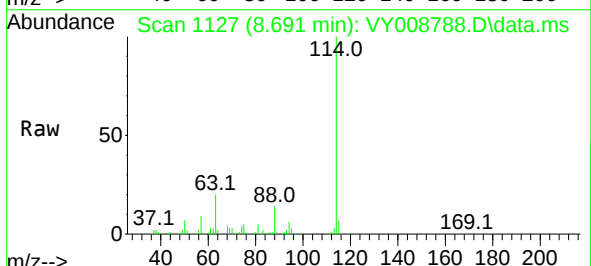
Tgt Ion: 114 Resp: 193658

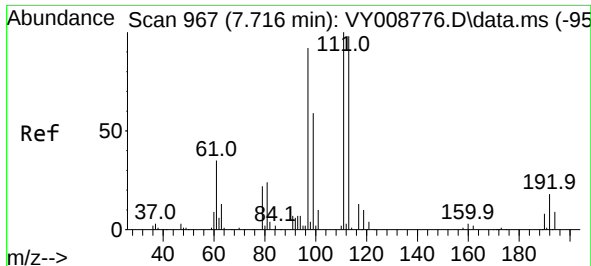
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

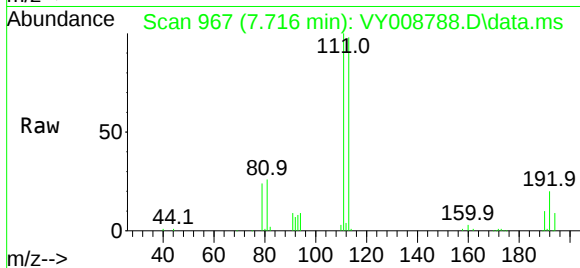
88 13.9 0.0 31.8



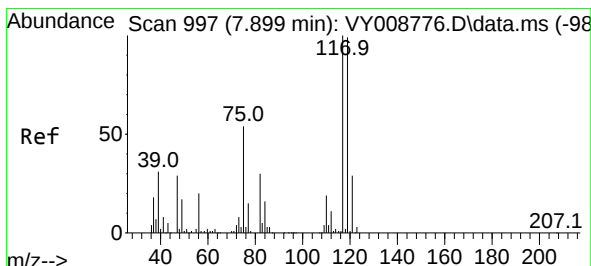
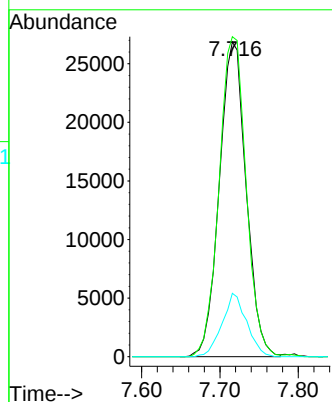
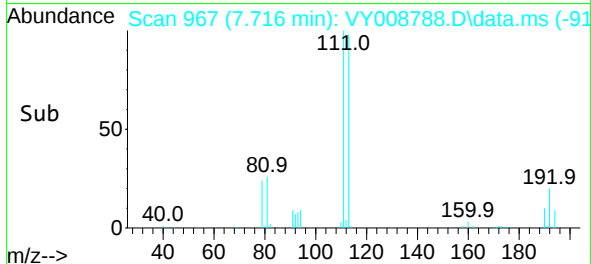


#35
Dibromofluoromethane
Concen: 56.420 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

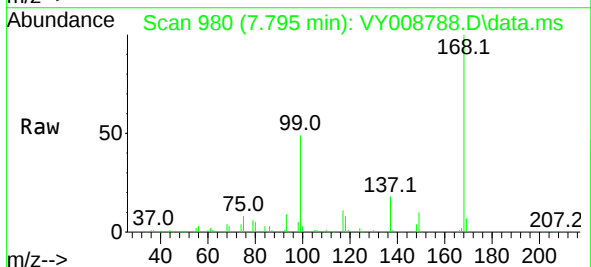
Instrument :
MSVOA_Y
ClientSampleId :



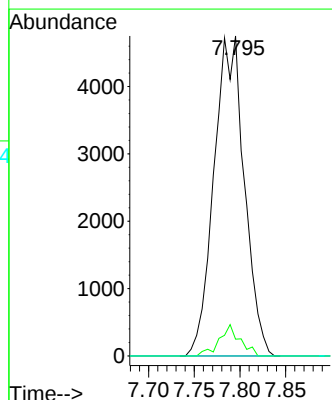
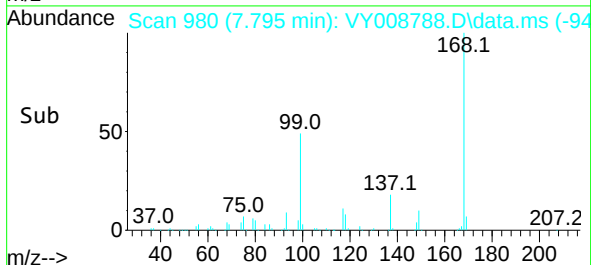
Tgt Ion:113 Resp: 63839
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 18.5 17.6 26.4

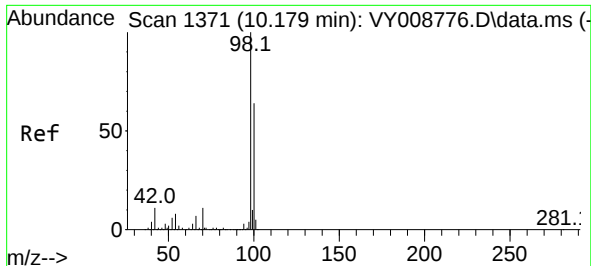


#38
Carbon Tetrachloride
Concen: 5.642 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51



Tgt Ion:117 Resp: 10958
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#

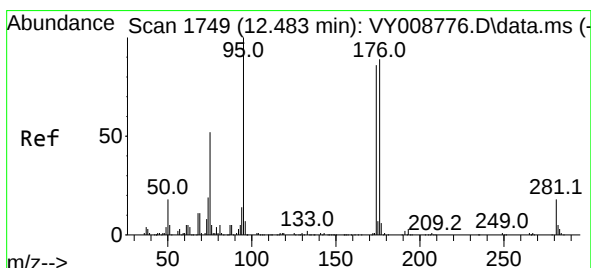
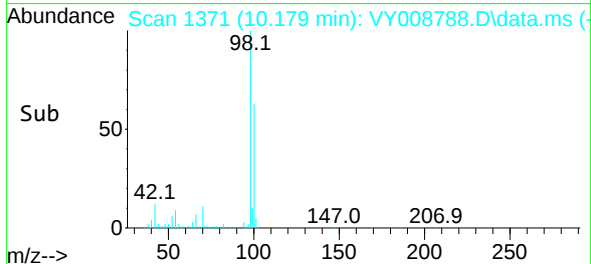
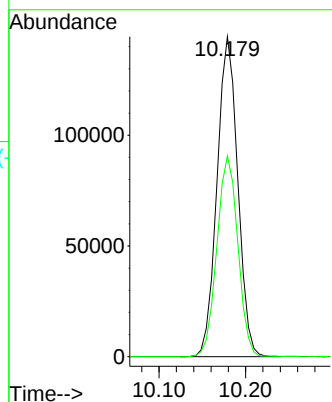
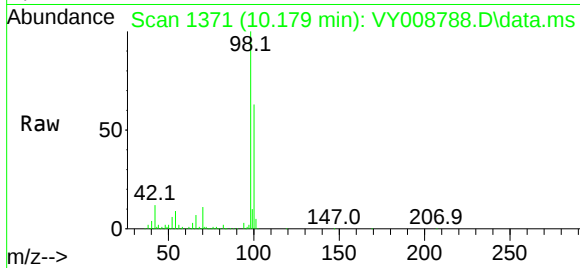




#50
Toluene-d8
Concen: 47.872 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

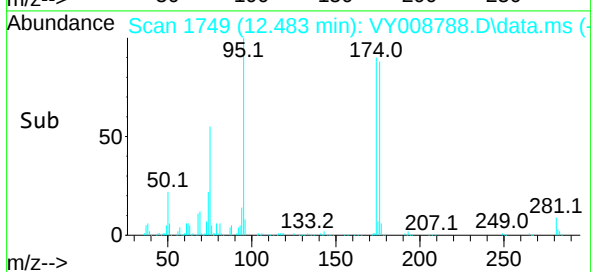
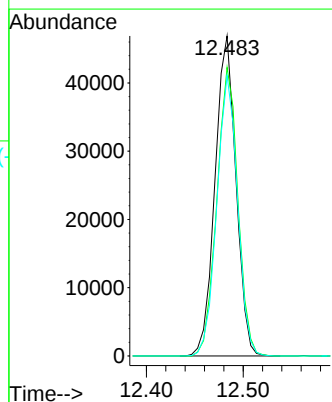
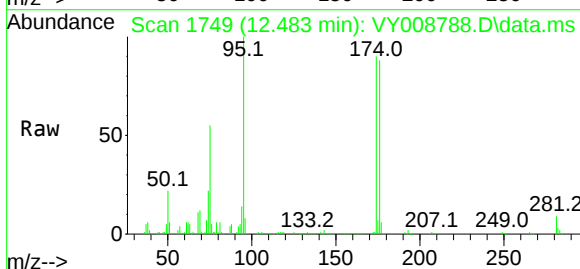
Instrument :
MSVOA_Y
ClientSampleId :

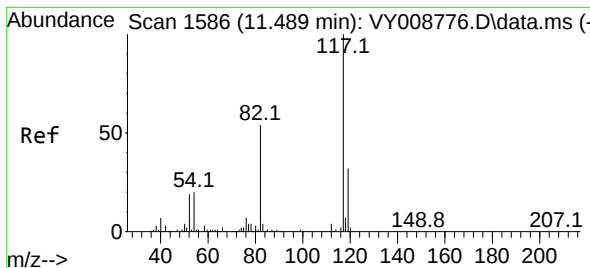
Tgt Ion: 98 Resp: 240048
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.995 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

Tgt Ion: 95 Resp: 70439
Ion Ratio Lower Upper
95 100
174 90.4 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

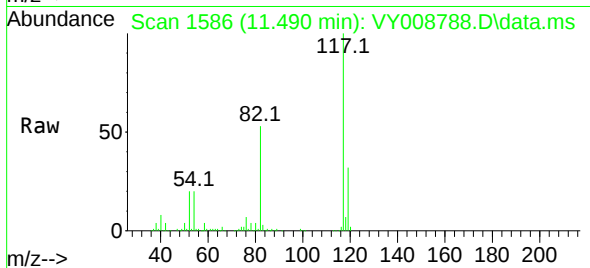
Lab File: VY008788.D

Acq: 17 May 2022 21:51

Instrument :

MSVOA_Y

ClientSampleId :



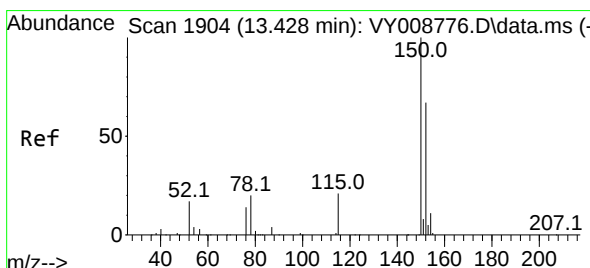
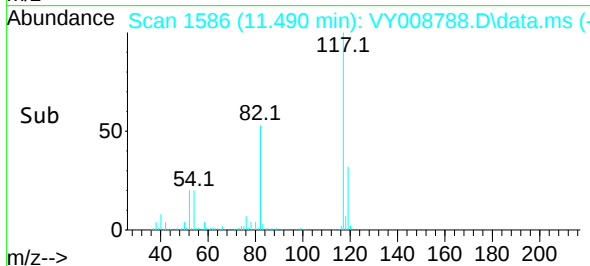
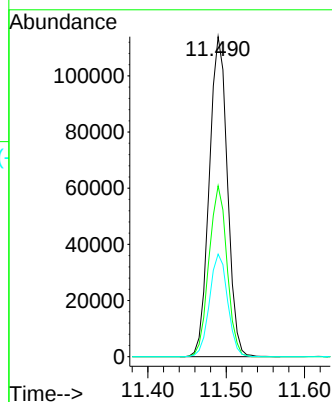
Tgt Ion:117 Resp: 183204

Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.4

119 32.0 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: VY008788.D

Acq: 17 May 2022 21:51

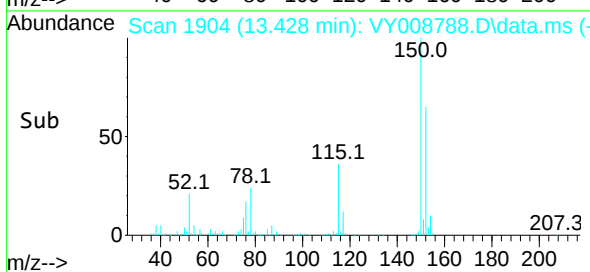
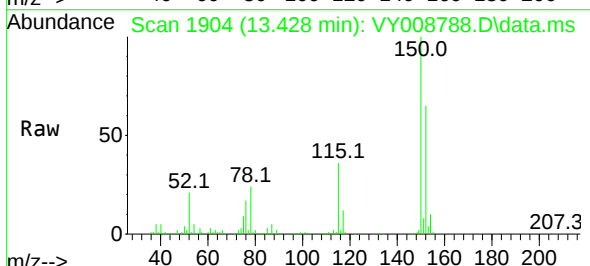
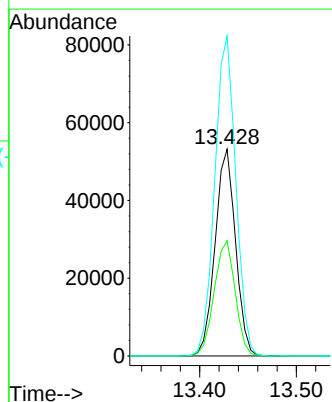
Tgt Ion:152 Resp: 78126

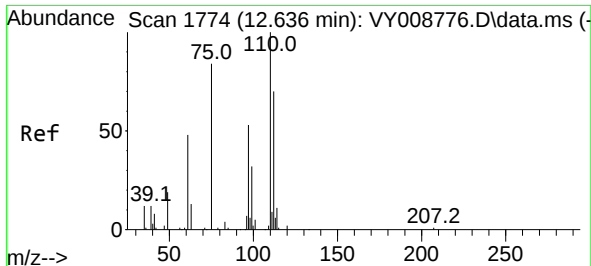
Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.7

150 158.7 0.0 347.6

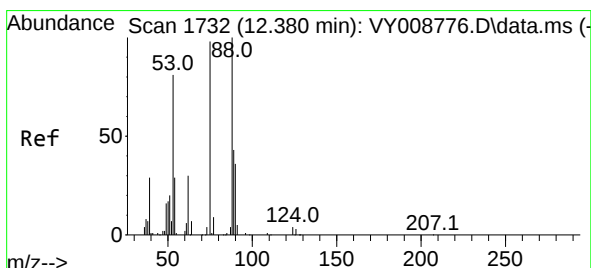
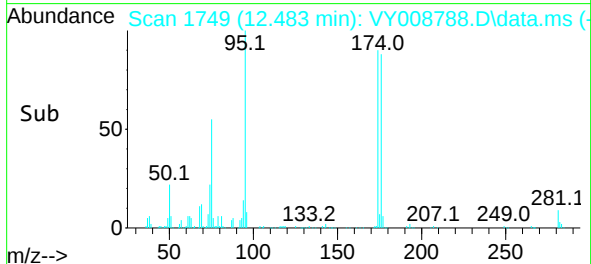
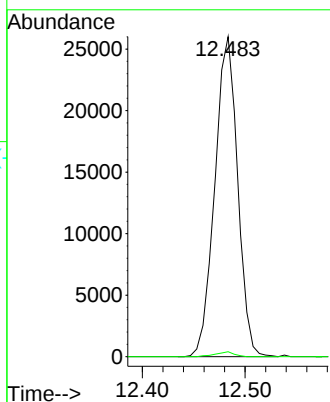
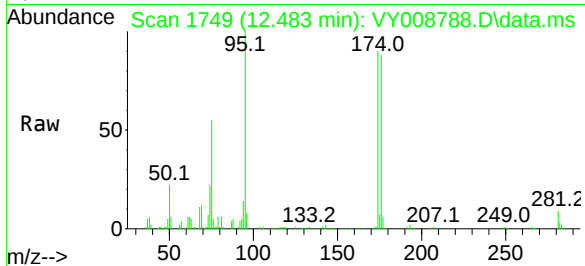




#76
1,2,3-Trichloropropane
Concen: 44.408 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 40077
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.134 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008788.D
Acq: 17 May 2022 21:51

Tgt Ion: 75 Resp: 40077
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

