

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008786.D
 Acq On : 17 May 2022 21:05
 Operator : KP/MD
 Sample : N2795-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 07:58:03 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)

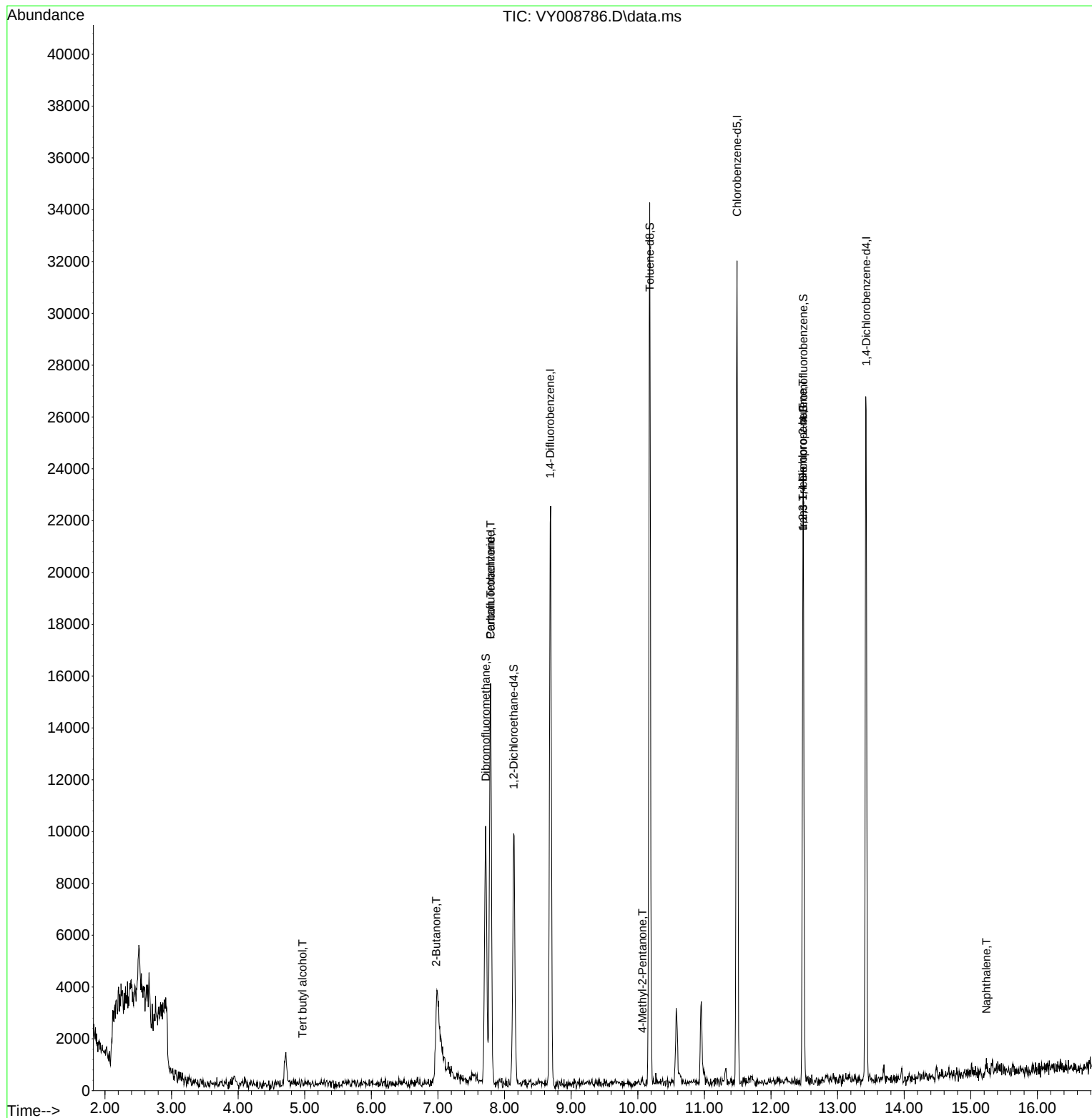
Internal Standards						
1) Pentafluorobenzene	7.789	168	11593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	19112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	16378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	7065	65.691	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.380%	
35) Dibromofluoromethane	7.716	113	6509	58.289	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.580%	
50) Toluene-d8	10.179	98	21707	44.130	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.260%	
62) 4-Bromofluorobenzene	12.483	95	5987	34.929	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 69.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	185	Below Cal	#	44
4) Vinyl Chloride	2.247	62	84	Below Cal	#	43
5) Bromomethane	2.668	94	274	Below Cal		91
6) Chloroethane	2.936	64	68	Below Cal	#	43
11) Tert butyl alcohol	4.966	59	45	3.786	ug/l #	77
18) Methyl Acetate	4.217	43	19	Below Cal	#	56
25) 2-Butanone	6.972	43	176	3.899	ug/l #	54
31) Cyclohexane	7.795	56	255	Below Cal	#	48
38) Carbon Tetrachloride	7.789	117	1154	6.021	ug/l #	11
51) 4-Methyl-2-Pentanone	10.069	43	120	1.146	ug/l #	40
76) 1,2,3-Trichloropropane	12.477	75	3313	42.572	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3313	93.116	ug/l #	7
95) Naphthalene	15.233	128	336	1.399	ug/l #	85

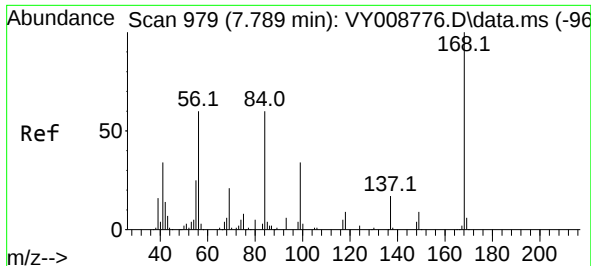
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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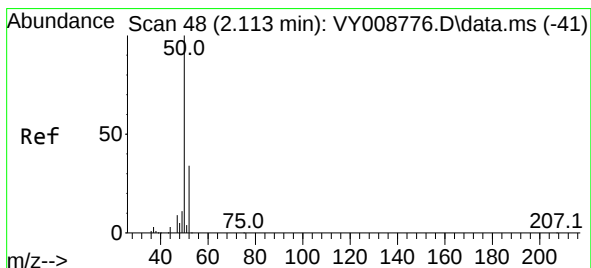
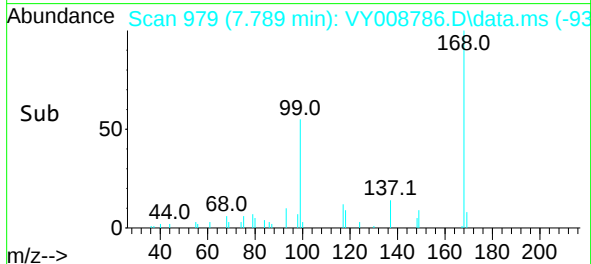
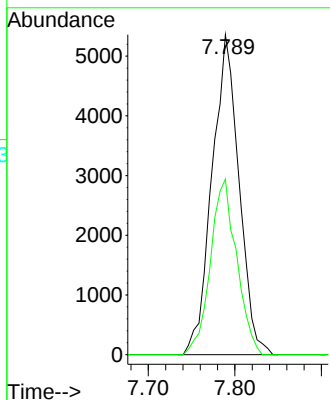
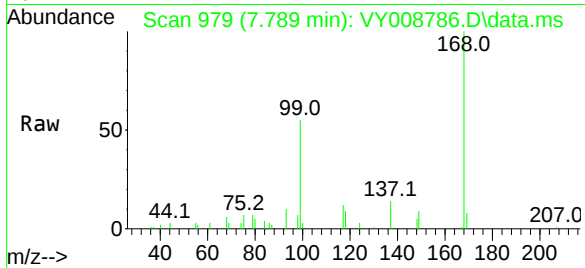




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008786.D
Acq: 17 May 2022 21:05

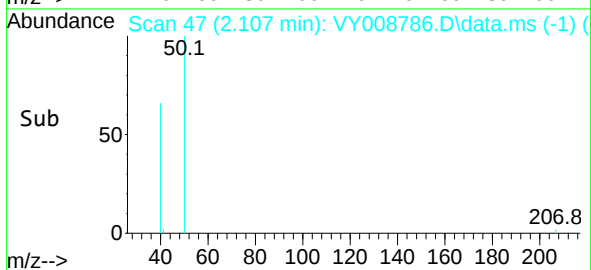
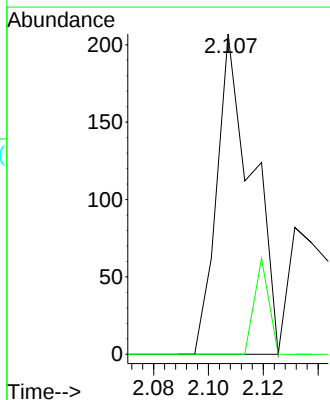
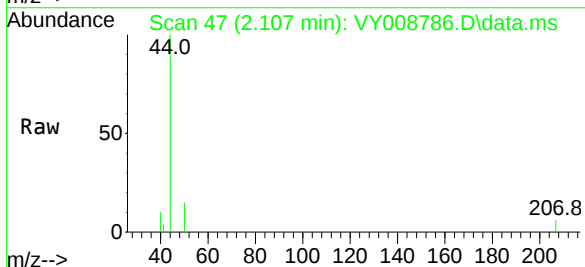
Instrument :
MSVOA_Y
ClientSampleId :

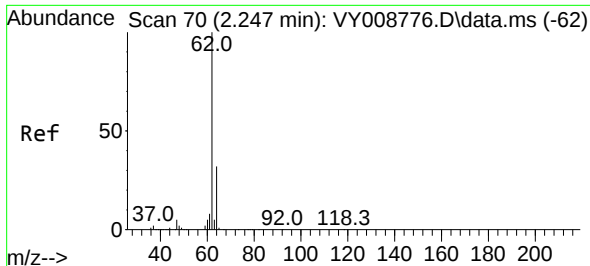
Tgt Ion:168 Resp: 11593
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY008786.D
Acq: 17 May 2022 21:05

Tgt Ion: 50 Resp: 185
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#





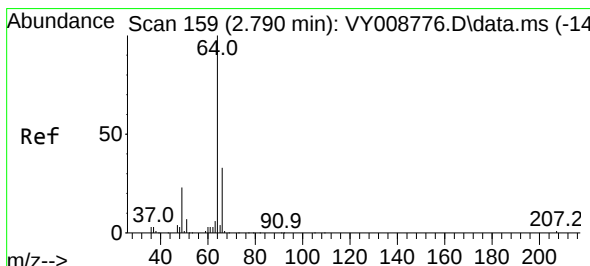
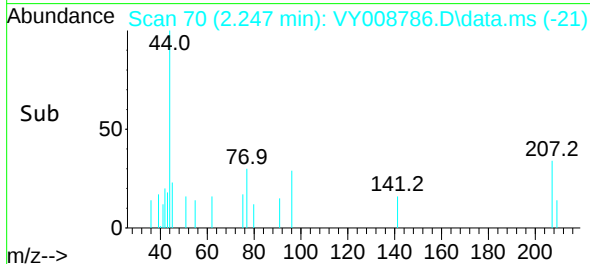
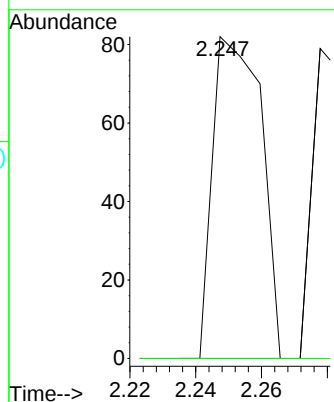
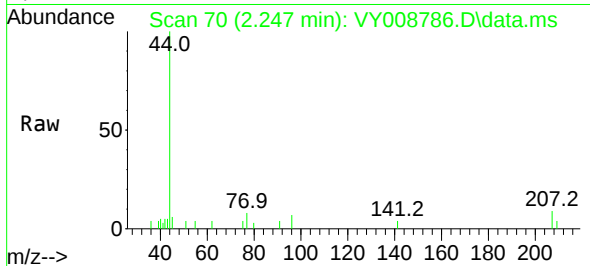
#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VY008786.D
 Acq: 17 May 2022 21:05

Instrument :

MSVOA_Y

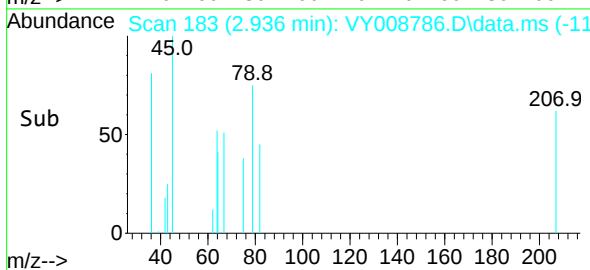
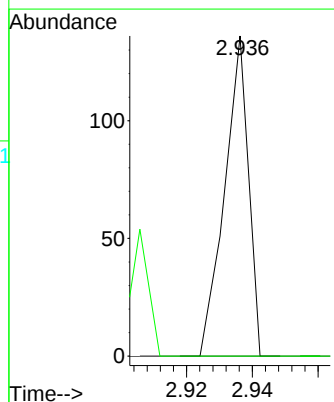
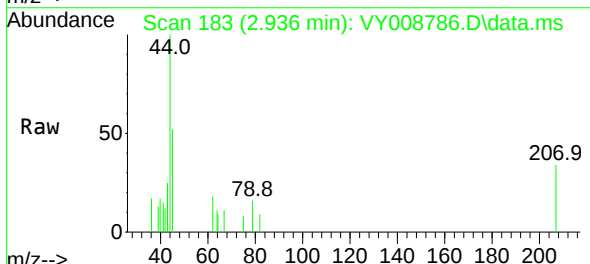
ClientSampleId :

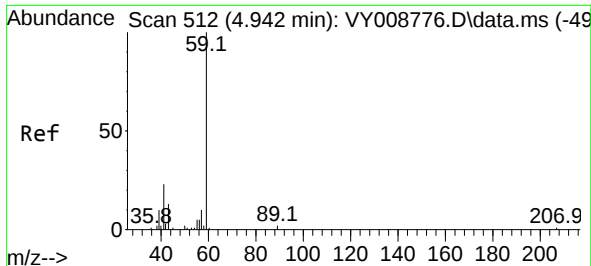
Tgt Ion: 62 Resp: 84
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 2.936 min Scan# 183
 Delta R.T. 0.146 min
 Lab File: VY008786.D
 Acq: 17 May 2022 21:05

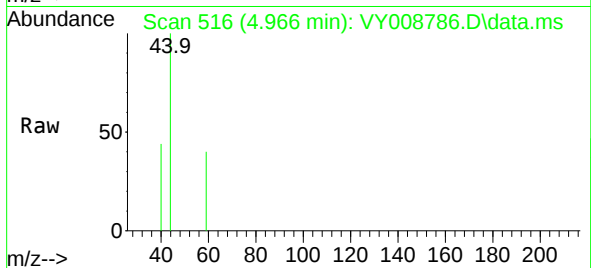
Tgt Ion: 64 Resp: 68
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.4 38.0#



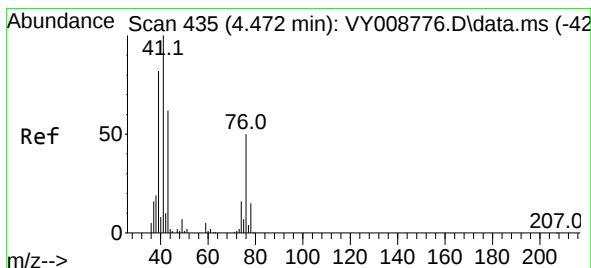
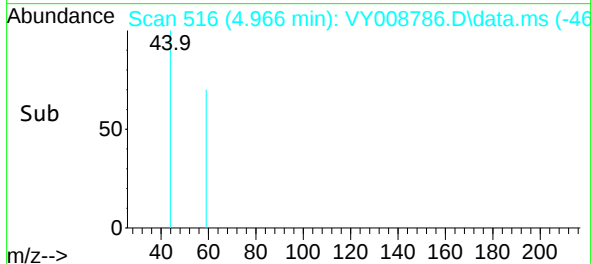
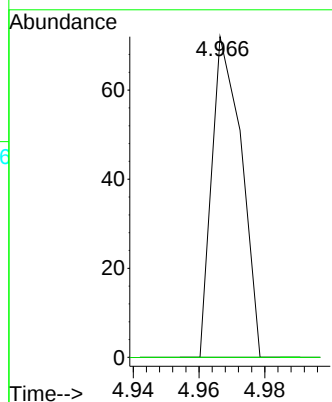


#11
Tert butyl alcohol
Concen: 3.786 ug/l
RT: 4.966 min Scan# 512
Delta R.T. 0.025 min
Lab File: VY008786.D
Acq: 17 May 2022 21:05

Instrument :
MSVOA_Y
ClientSampleId :

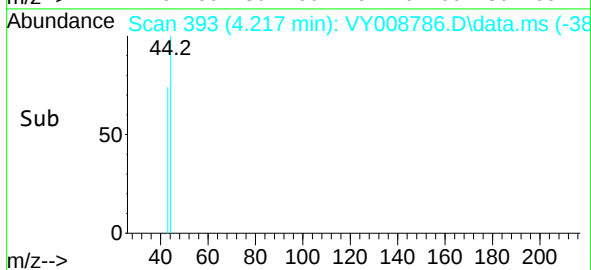
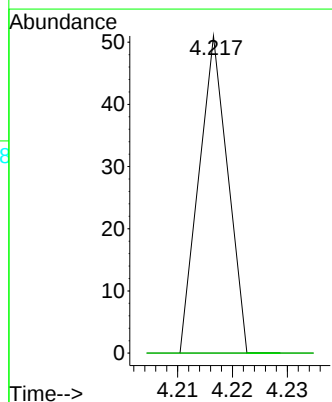
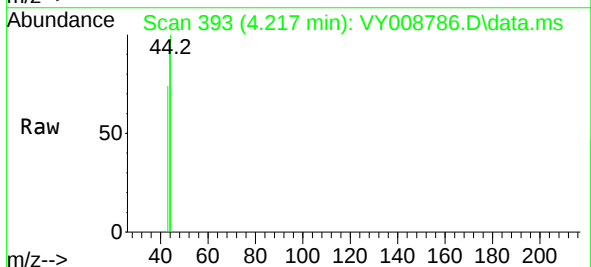


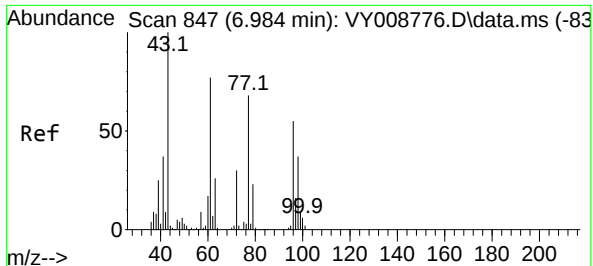
Tgt Ion: 59 Resp: 45
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.217 min Scan# 393
Delta R.T. -0.255 min
Lab File: VY008786.D
Acq: 17 May 2022 21:05

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#25

2-Butanone

Concen: 3.899 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

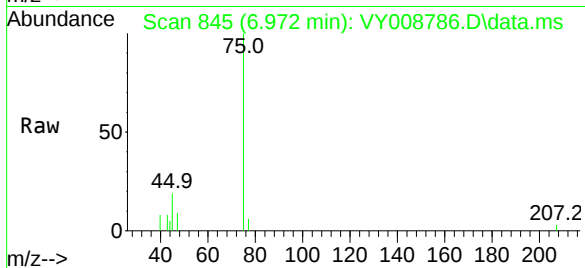
Lab File: VY008786.D

Acq: 17 May 2022 21:05

Instrument :

MSVOA_Y

ClientSampleId :

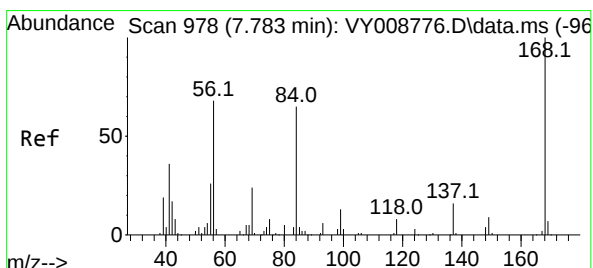
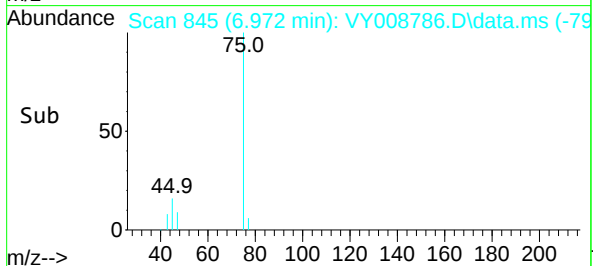
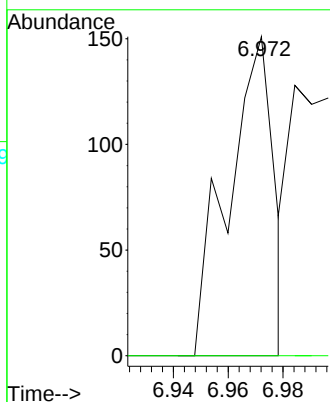


Tgt Ion: 43 Resp: 176

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY008786.D

Acq: 17 May 2022 21:05

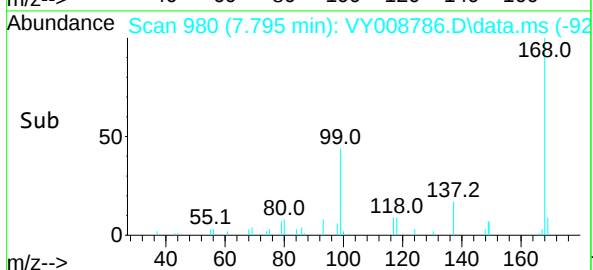
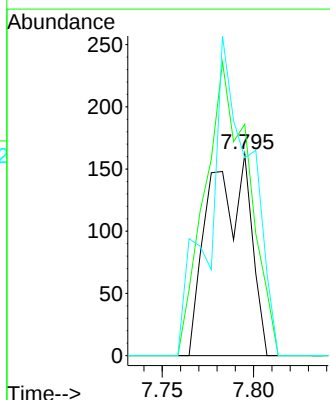
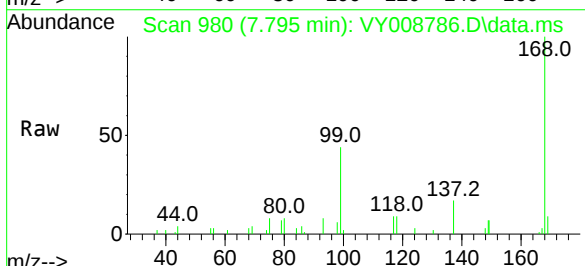
Tgt Ion: 56 Resp: 255

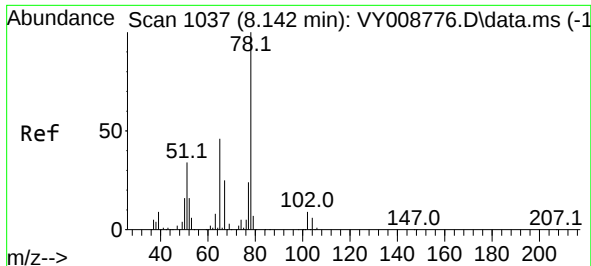
Ion Ratio Lower Upper

56 100

69 114.8 26.7 40.1#

84 98.1 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 65.691 ug/l

RT: 8.137 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY008786.D

Acq: 17 May 2022 21:05

Instrument :

MSVOA_Y

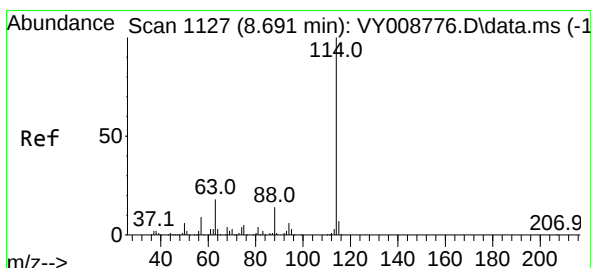
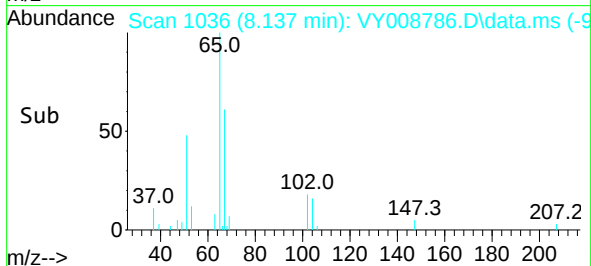
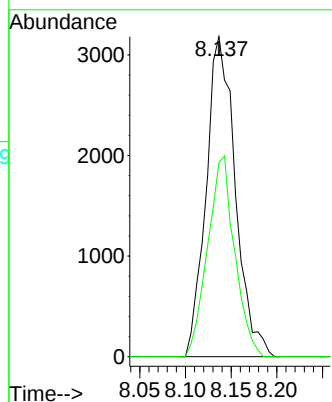
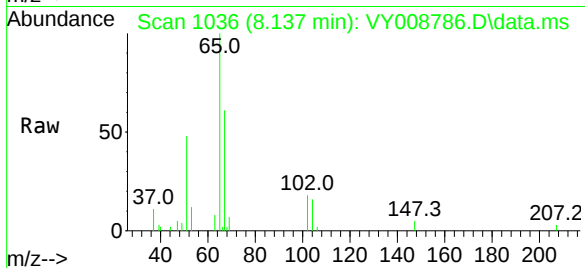
ClientSampleId :

Tgt Ion: 65 Resp: 7065

Ion Ratio Lower Upper

65 100

67 58.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY008786.D

Acq: 17 May 2022 21:05

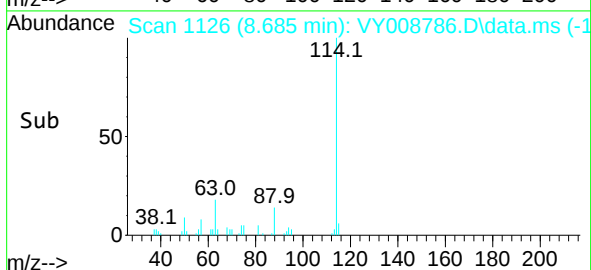
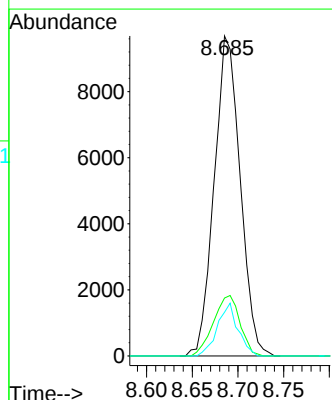
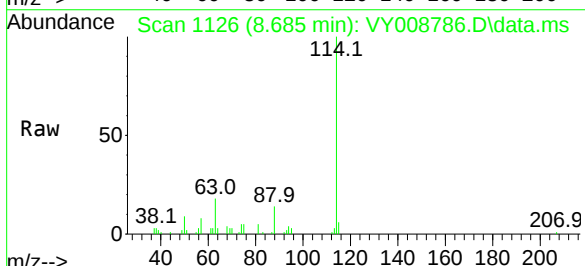
Tgt Ion: 114 Resp: 19112

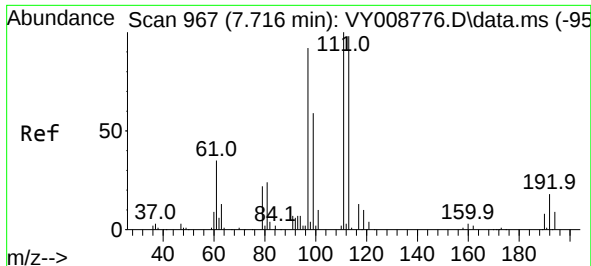
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

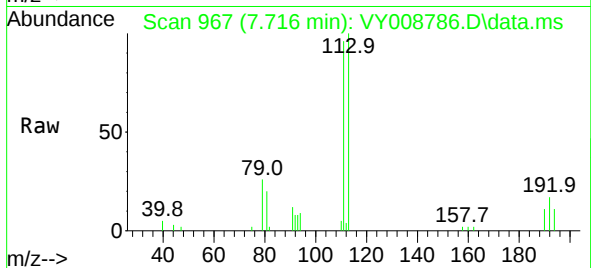
88 13.6 0.0 31.8



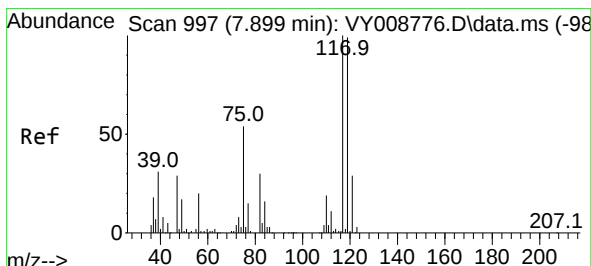
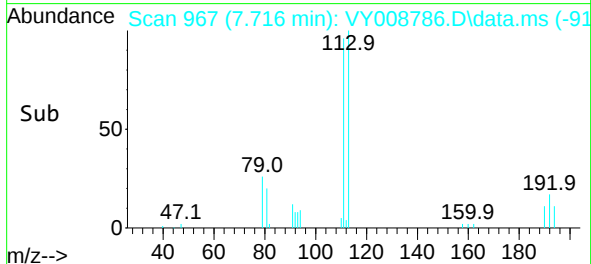
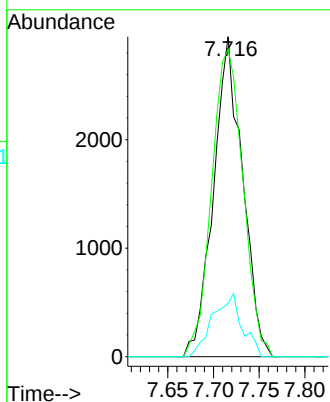


#35
 Dibromofluoromethane
 Concen: 58.289 ug/l
 RT: 7.716 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VY008786.D
 Acq: 17 May 2022 21:05

Instrument :
 MSVOA_Y
 ClientSampleId :

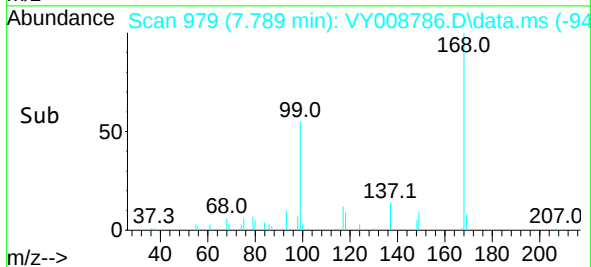
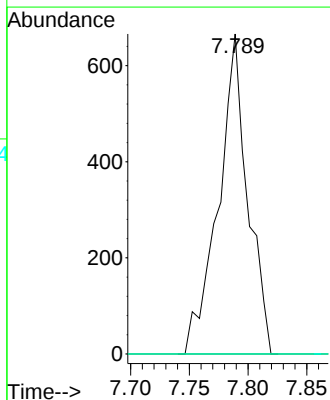
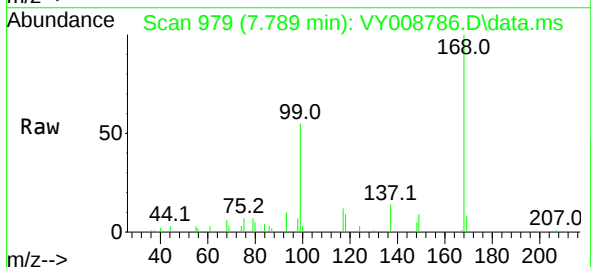


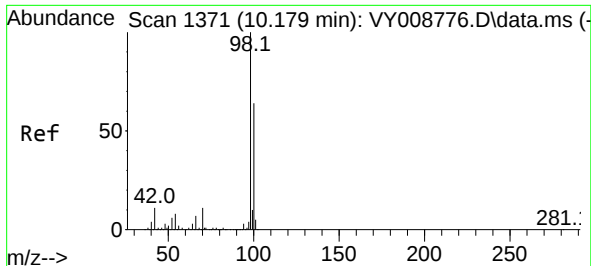
Tgt Ion:113 Resp: 6509
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.6 124.0
 192 19.9 17.6 26.4



#38
 Carbon Tetrachloride
 Concen: 6.021 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY008786.D
 Acq: 17 May 2022 21:05

Tgt Ion:117 Resp: 1154
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.9 116.9#
 121 0.0 24.8 37.2#

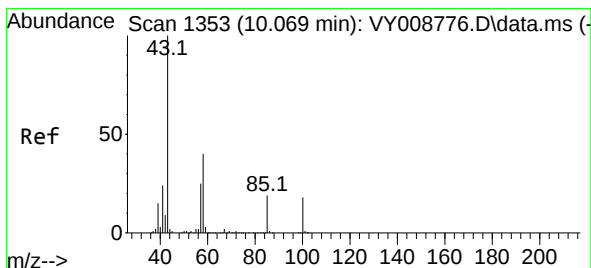
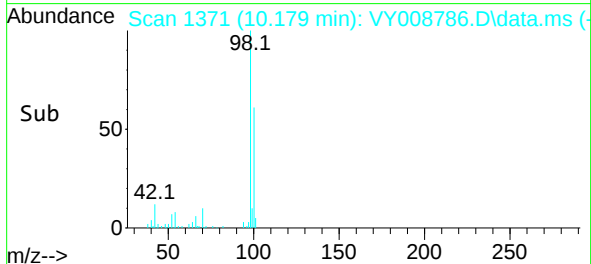
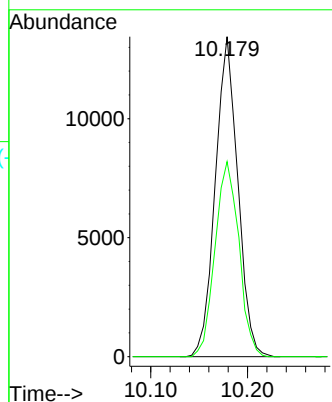
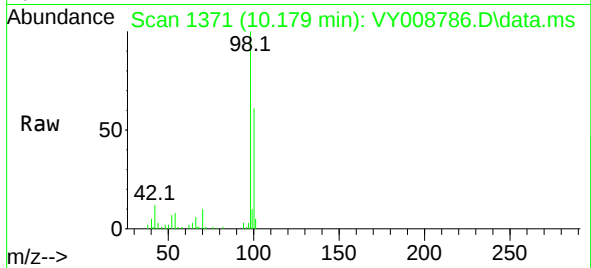




#50
Toluene-d8
Concen: 44.130 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008786.D
Acq: 17 May 2022 21:05

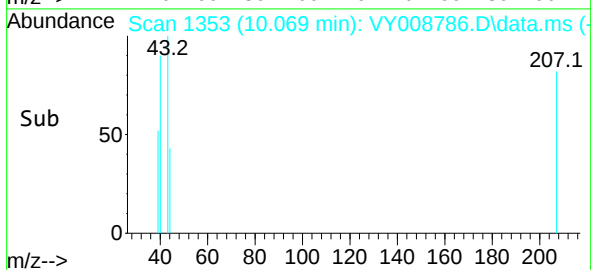
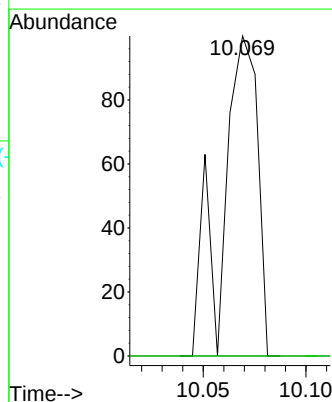
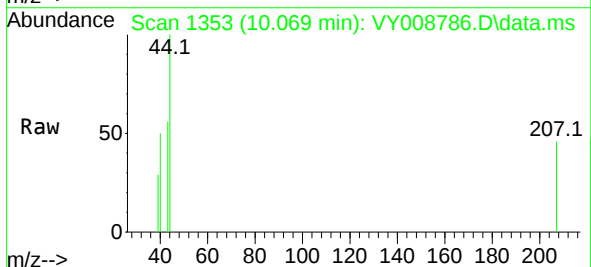
Instrument :
MSVOA_Y
ClientSampleId :

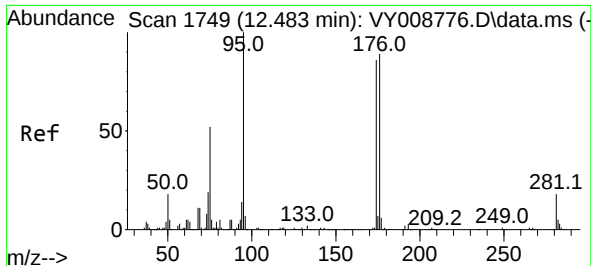
Tgt Ion: 98 Resp: 21707
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.146 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY008786.D
Acq: 17 May 2022 21:05

Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#

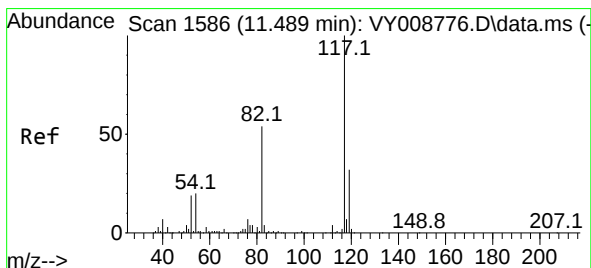
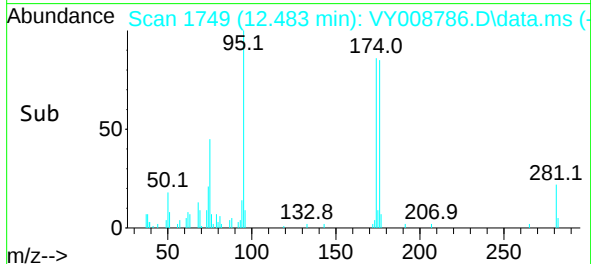
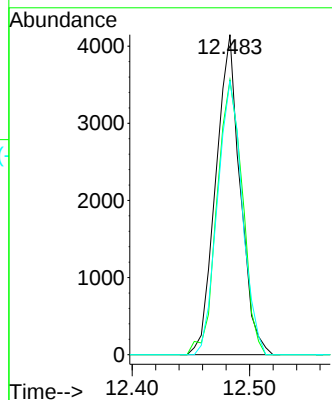
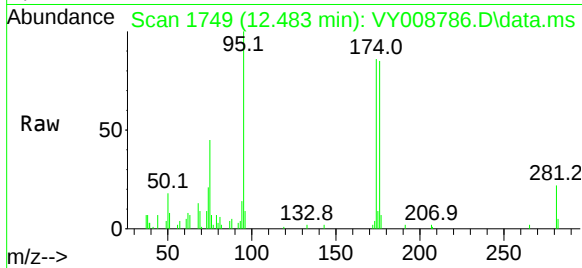




#62
4-Bromofluorobenzene
Concen: 34.929 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008786.D
Acq: 17 May 2022 21:05

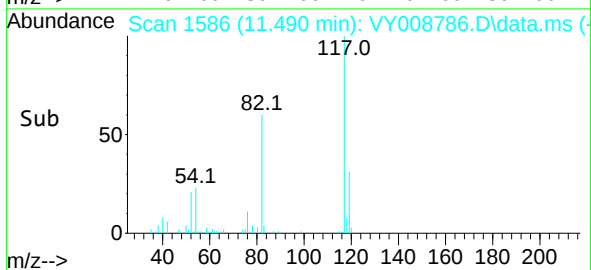
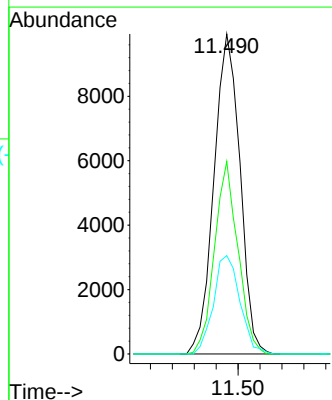
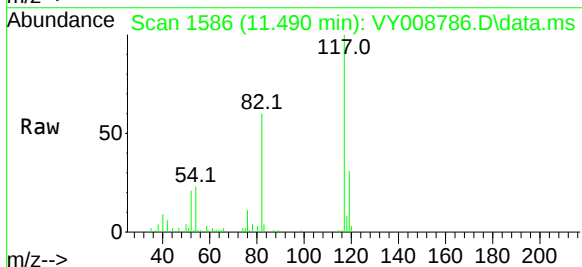
Instrument :
MSVOA_Y
ClientSampleId :

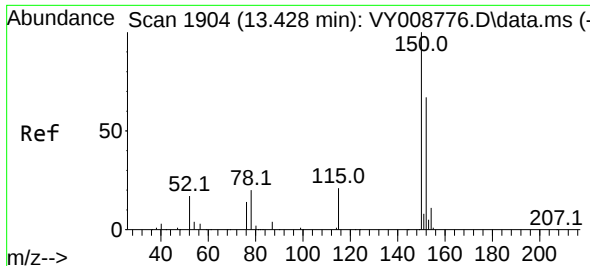
Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	177.0
176	87.2	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008786.D
Acq: 17 May 2022 21:05

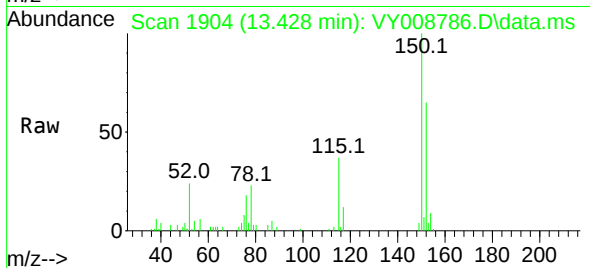
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.2	43.0	64.4
119	30.8	25.4	38.0



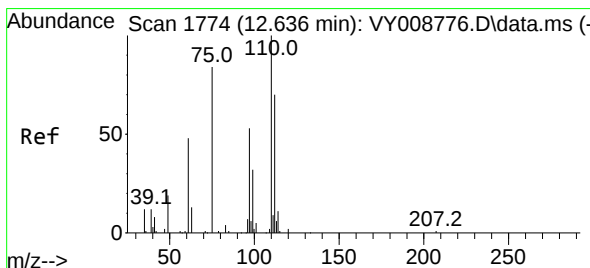
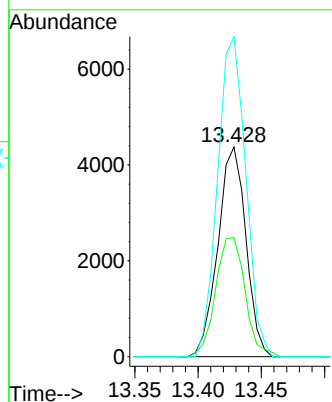
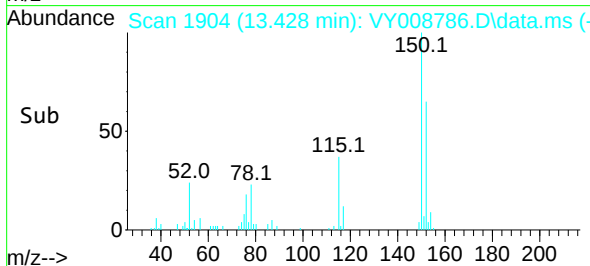


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008786.D
 Acq: 17 May 2022 21:05

Instrument :
 MSVOA_Y
 ClientSampleId :

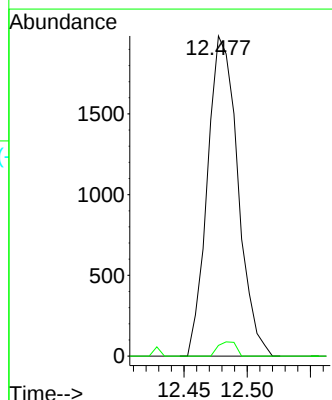
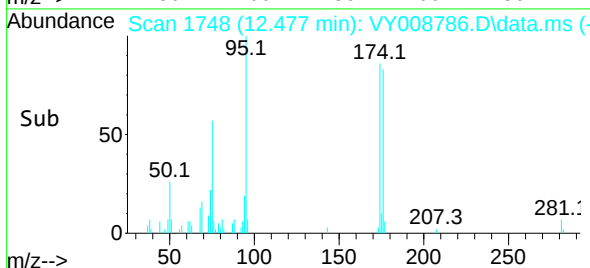
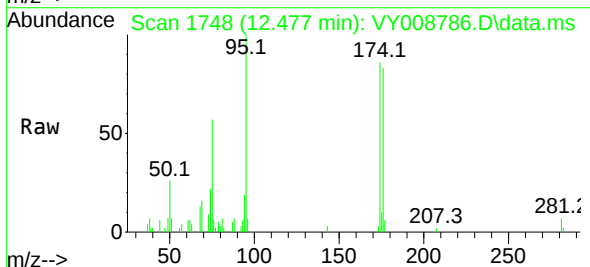


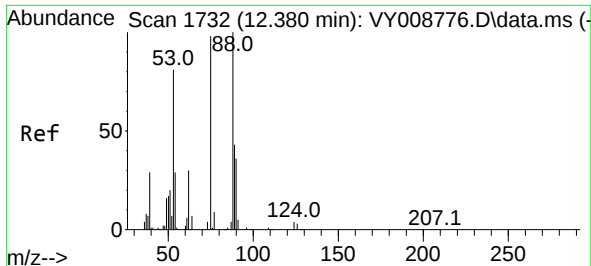
Tgt Ion:152 Resp: 6737
 Ion Ratio Lower Upper
 152 100
 115 59.7 28.2 84.7
 150 153.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 42.572 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY008786.D
 Acq: 17 May 2022 21:05

Tgt Ion: 75 Resp: 3313
 Ion Ratio Lower Upper
 75 100
 77 2.6 0.0 0.0#

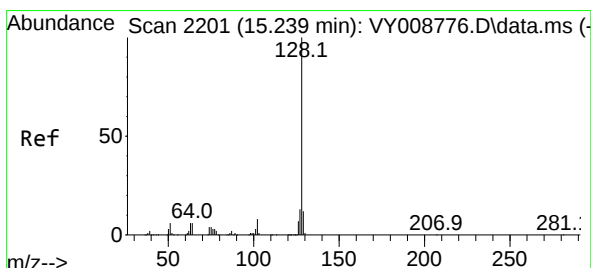
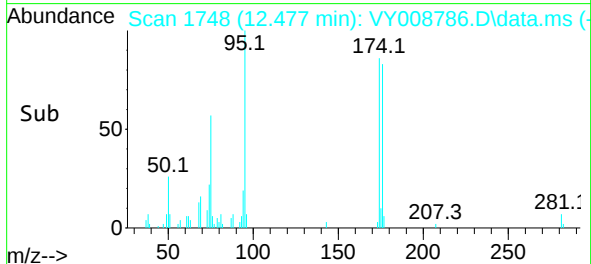
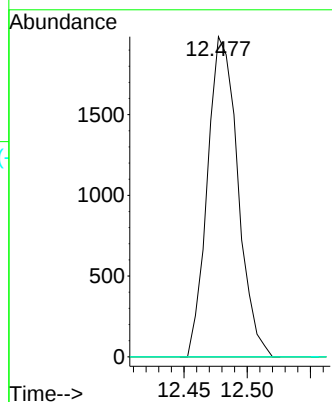
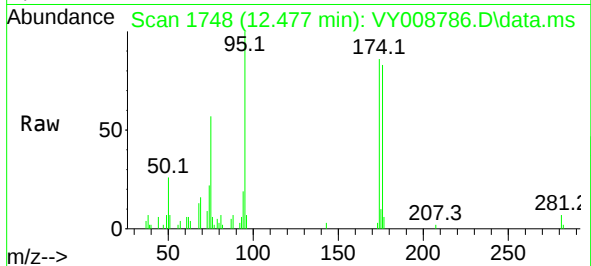




#81
trans-1,4-Dichloro-2-butene
Concen: 93.116 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY008786.D
Acq: 17 May 2022 21:05

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 3313
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 1.399 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY008786.D
Acq: 17 May 2022 21:05

Tgt Ion: 128 Resp: 336
Ion Ratio Lower Upper
128 100
127 11.9 11.0 16.4
129 0.0 8.4 12.6#

