

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008792.D
 Acq On : 17 May 2022 23:25
 Operator : KP/MD
 Sample : N2841-06
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 07:59:21 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)

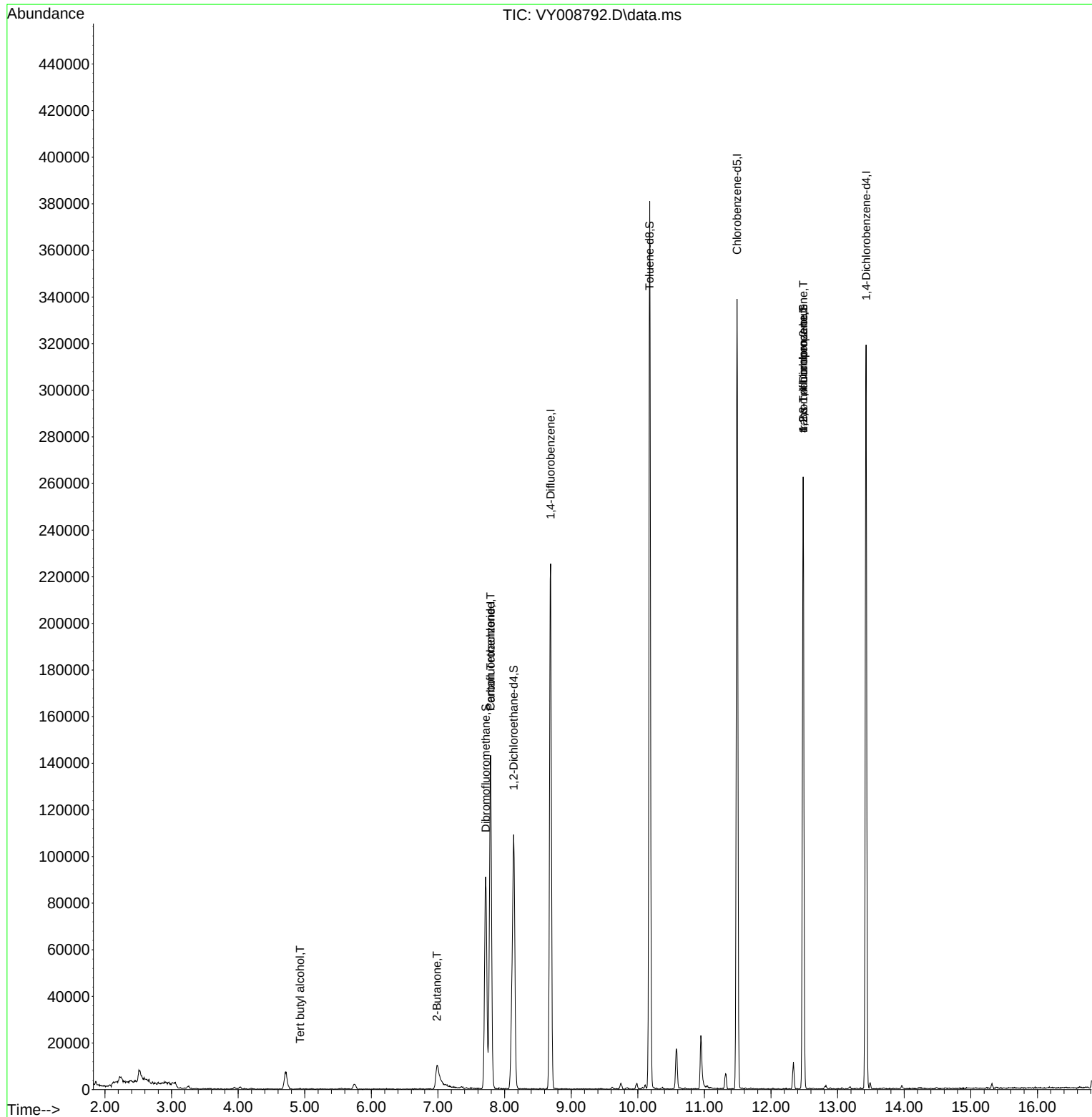
Internal Standards						
1) Pentafluorobenzene	7.789	168	108458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	189960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	179053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	68225	67.807	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	135.620%	
35) Dibromofluoromethane	7.716	113	62550	56.357	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	112.720%	
50) Toluene-d8	10.179	98	235001	47.784	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	95.560%	
62) 4-Bromofluorobenzene	12.483	95	68291	39.571	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	79.140%	
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	198	Below Cal	#	44
4) Vinyl Chloride	2.259	62	23	Below Cal	#	43
5) Bromomethane	2.631	94	114	Below Cal	#	4
6) Chloroethane	2.790	64	22	Below Cal	#	43
11) Tert butyl alcohol	4.930	59	294	2.644	ug/l #	77
16) Acetone	3.948	43	1419	Below Cal	#	82
17) Carbon Disulfide	4.168	76	177	Below Cal	#	75
18) Methyl Acetate	4.247	43	19	Below Cal	#	56
20) Methylene Chloride	4.716	84	5465	Below Cal	#	81
25) 2-Butanone	6.984	43	739	1.750	ug/l #	54
31) Cyclohexane	7.783	56	2294	Below Cal	#	1
38) Carbon Tetrachloride	7.789	117	10561	5.544	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	39821	44.422	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39821	97.164	ug/l #	7

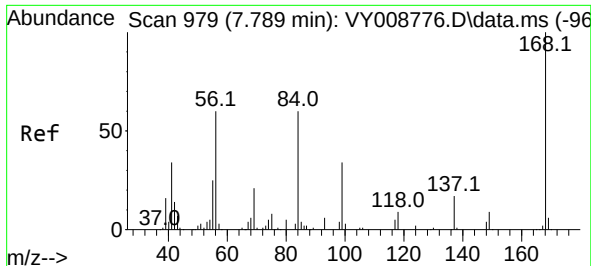
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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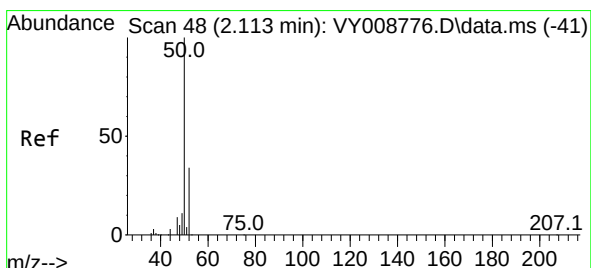
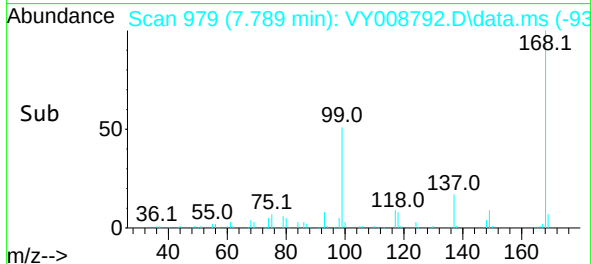
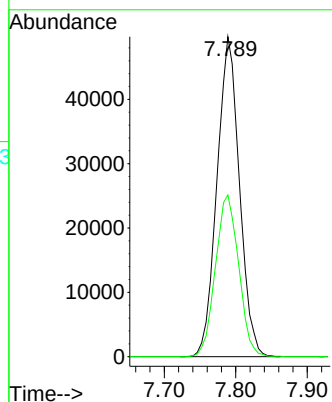
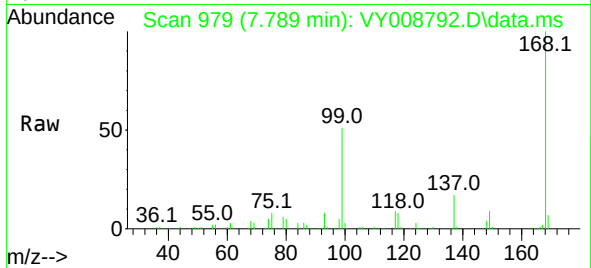




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

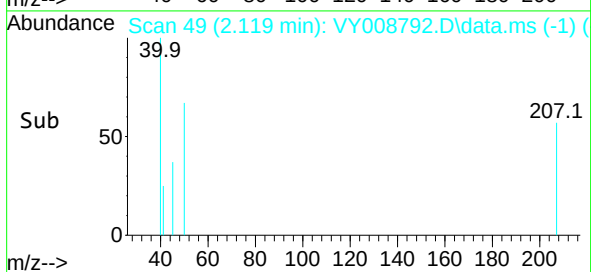
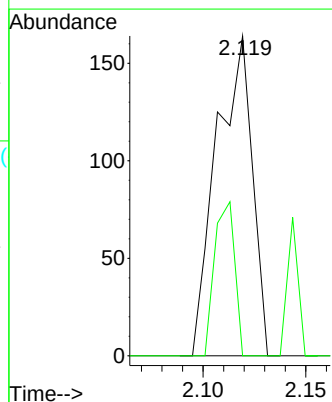
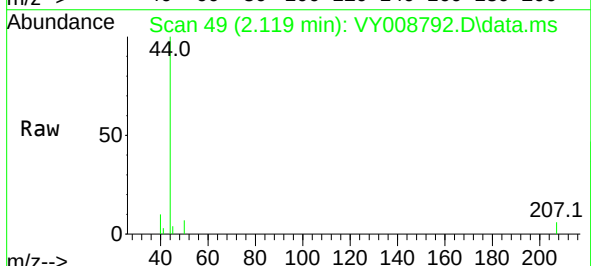
Instrument :
MSVOA_Y
ClientSampleId :

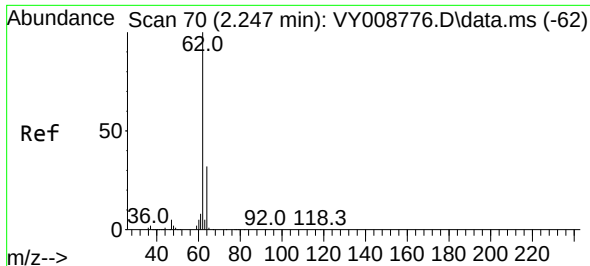
Tgt Ion:168 Resp: 108458
Ion Ratio Lower Upper
168 100
99 50.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

Tgt Ion: 50 Resp: 198
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

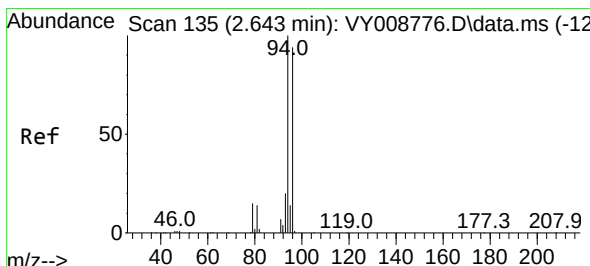
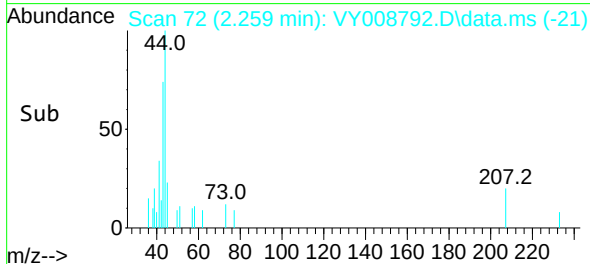
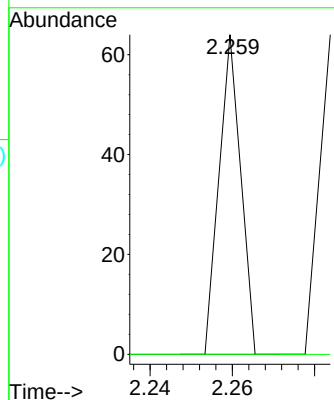
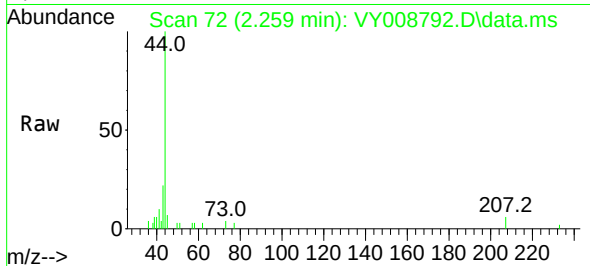




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.259 min Scan# 71
 Delta R.T. 0.012 min
 Lab File: VY008792.D
 Acq: 17 May 2022 23:25

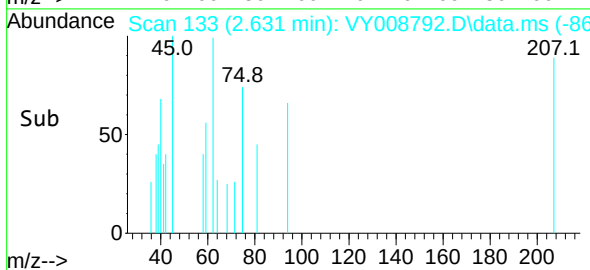
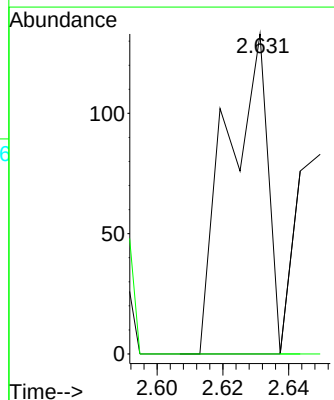
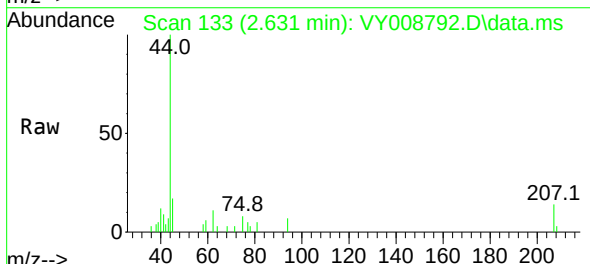
Instrument :
 MSVOA_Y
 ClientSampleId :

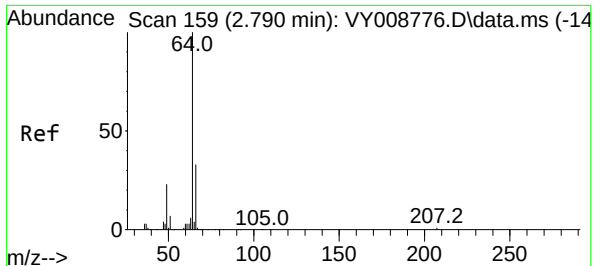
Tgt Ion: 62 Resp: 23
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.631 min Scan# 133
 Delta R.T. -0.012 min
 Lab File: VY008792.D
 Acq: 17 May 2022 23:25

Tgt Ion: 94 Resp: 114
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.5 110.3#

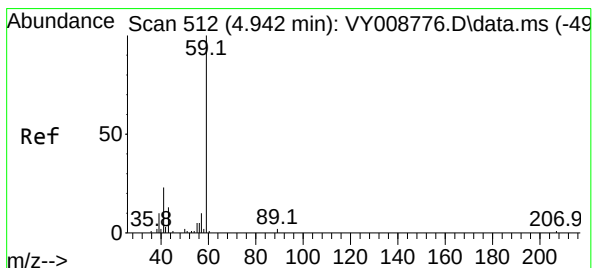
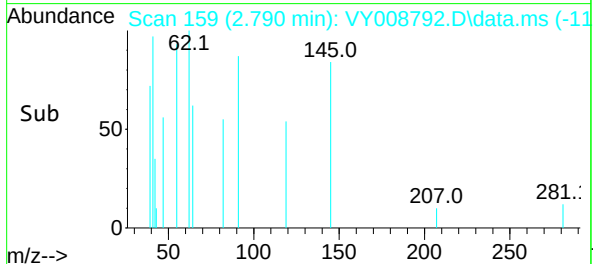
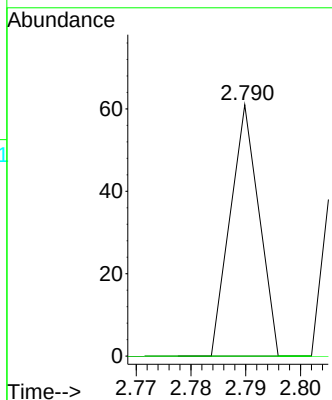
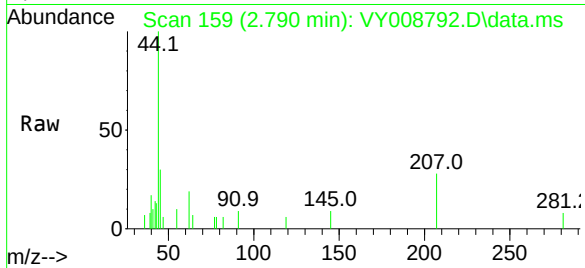




#6
Chloroethane
Concen: Below Cal
RT: 2.790 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

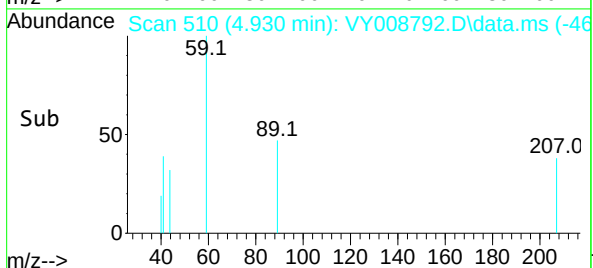
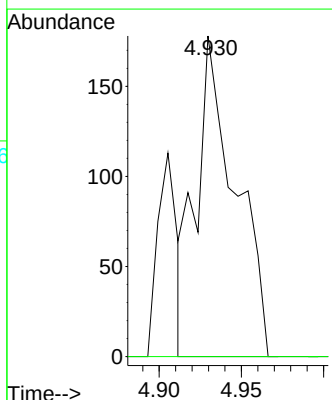
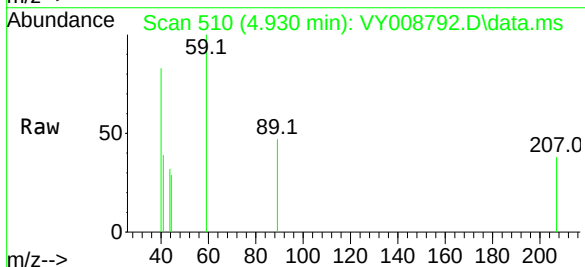
Instrument :
MSVOA_Y
ClientSampleId :

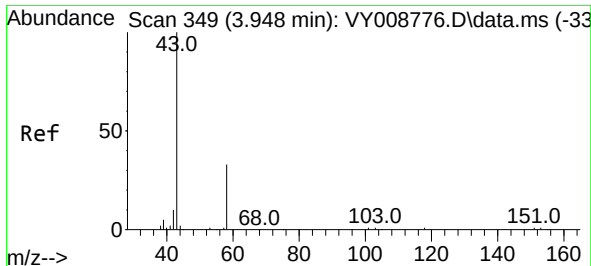
Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 2.644 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

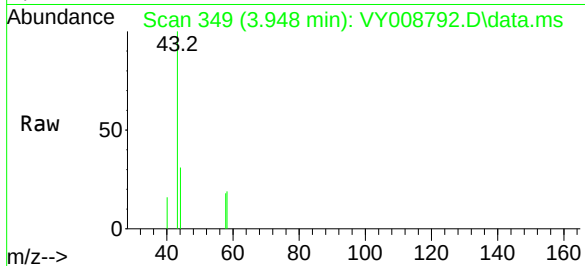
Tgt Ion: 59 Resp: 294
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



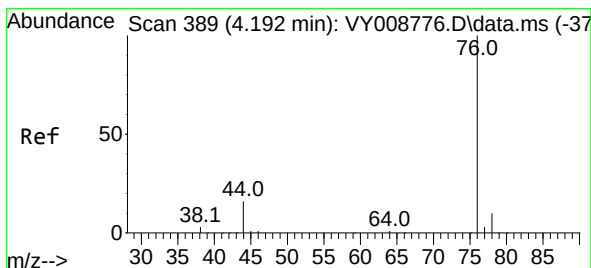
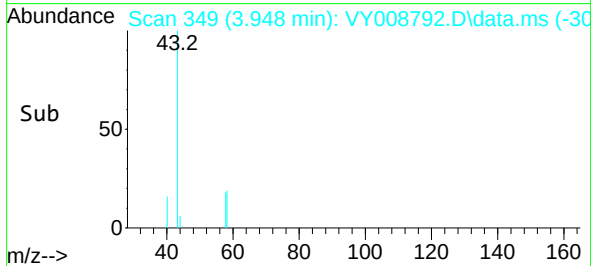
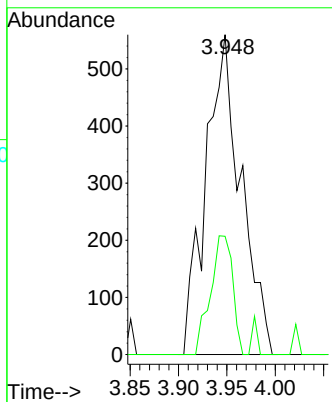


#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

Instrument :
MSVOA_Y
ClientSampleId :

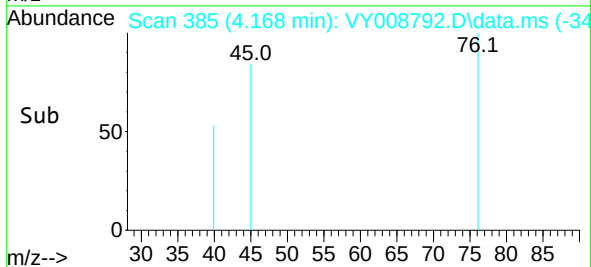
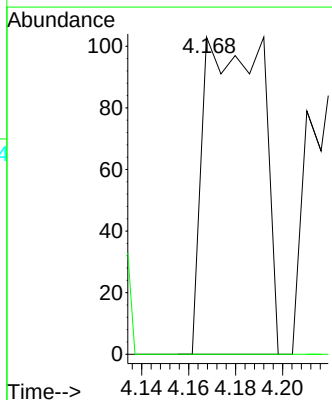
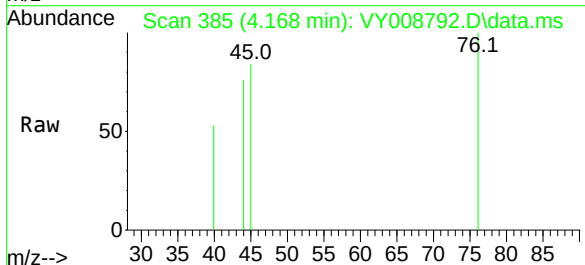


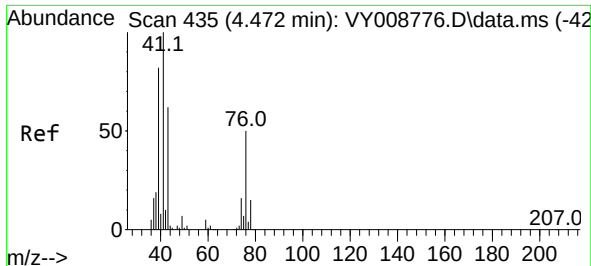
Tgt Ion: 43 Resp: 1419
Ion Ratio Lower Upper
43 100
58 37.0 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.168 min Scan# 385
Delta R.T. -0.024 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

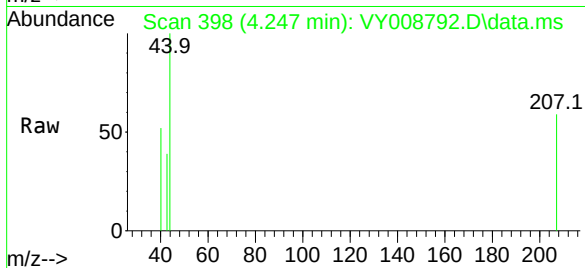
Tgt Ion: 76 Resp: 177
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



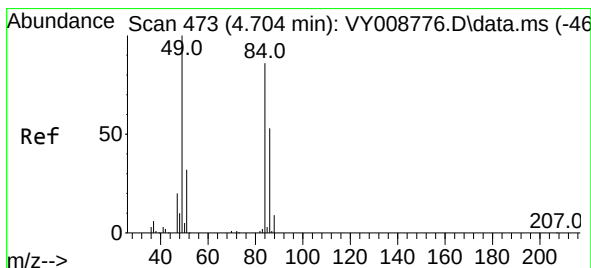
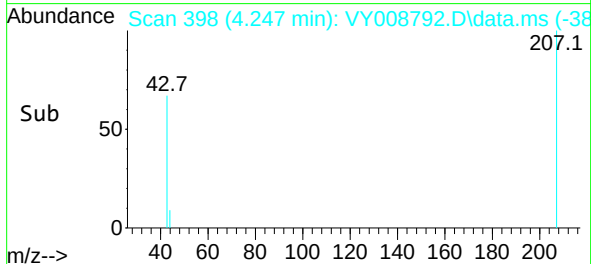
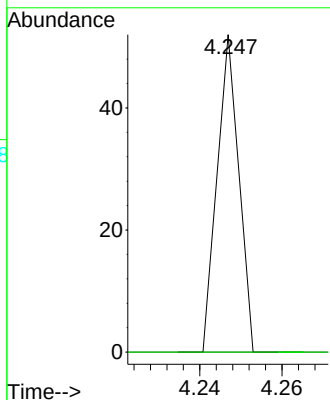


#18
Methyl Acetate
Concen: Below Cal
RT: 4.247 min Scan# 398
Delta R.T. -0.225 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

Instrument :
MSVOA_Y
ClientSampleId :

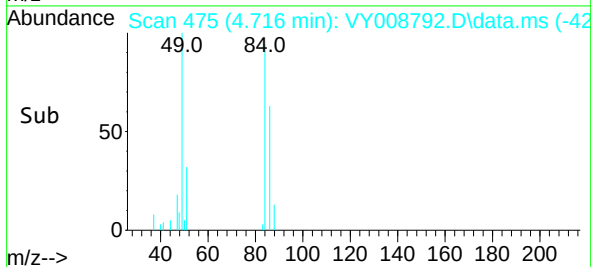
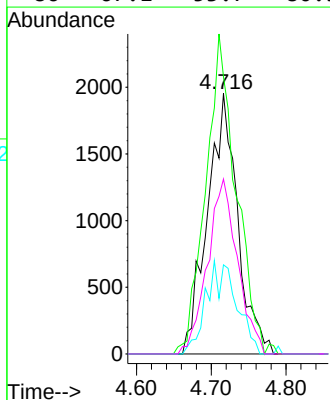
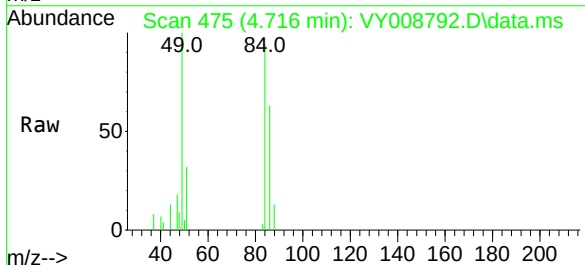


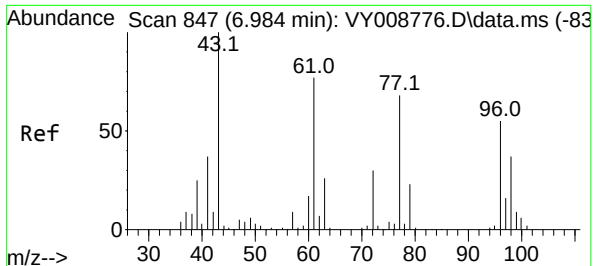
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

Tgt Ion: 84 Resp: 5465
Ion Ratio Lower Upper
84 100
49 106.4 114.4 171.6#
51 34.2 35.3 52.9#
86 67.1 53.7 80.5





#25

2-Butanone

Concen: 1.750 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

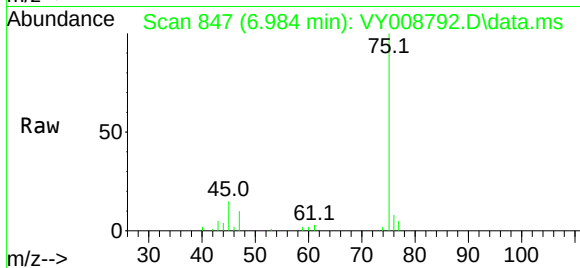
Lab File: VY008792.D

Acq: 17 May 2022 23:25

Instrument :

MSVOA_Y

ClientSampleId :

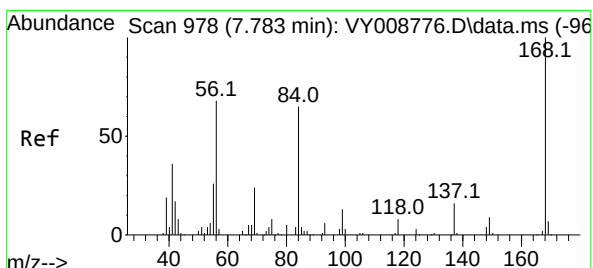
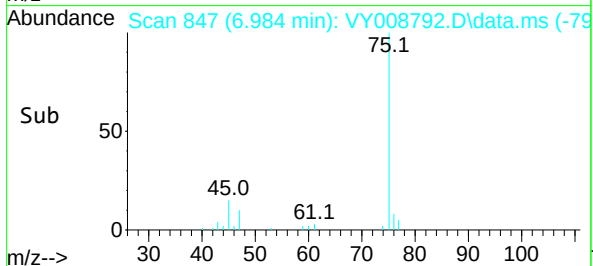
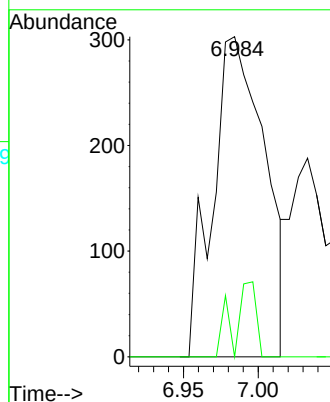


Tgt Ion: 43 Resp: 739

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY008792.D

Acq: 17 May 2022 23:25

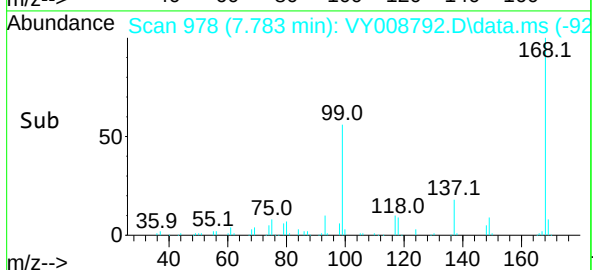
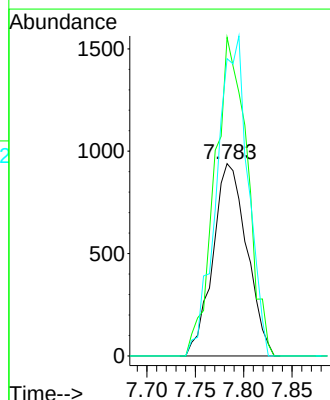
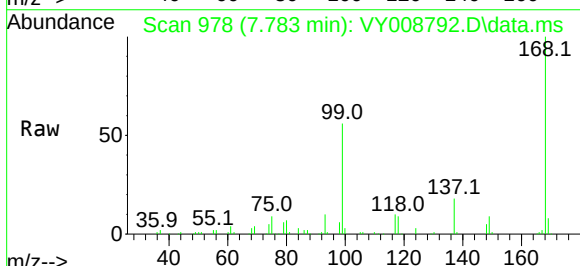
Tgt Ion: 56 Resp: 2294

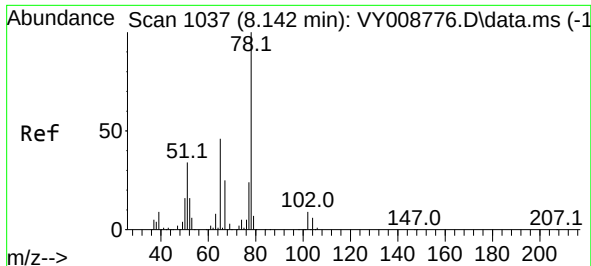
Ion Ratio Lower Upper

56 100

69 165.7 26.7 40.1#

84 154.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.807 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY008792.D

Acq: 17 May 2022 23:25

Instrument :

MSVOA_Y

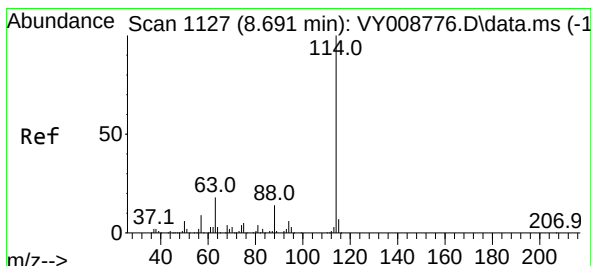
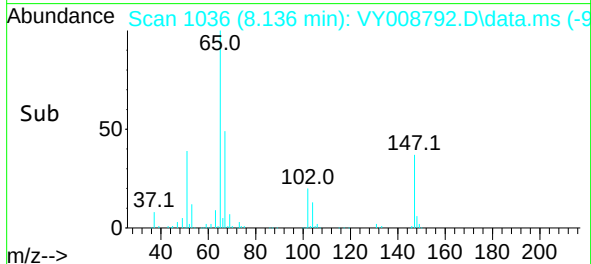
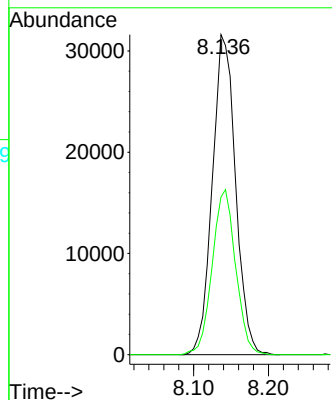
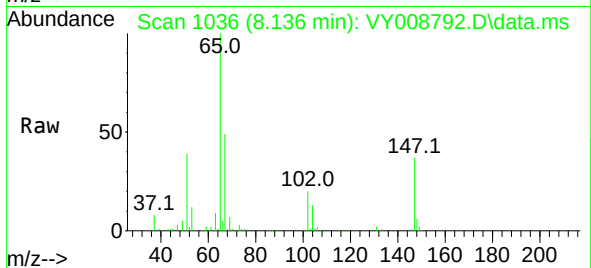
ClientSampleId :

Tgt Ion: 65 Resp: 68225

Ion Ratio Lower Upper

65 100

67 52.0 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: VY008792.D

Acq: 17 May 2022 23:25

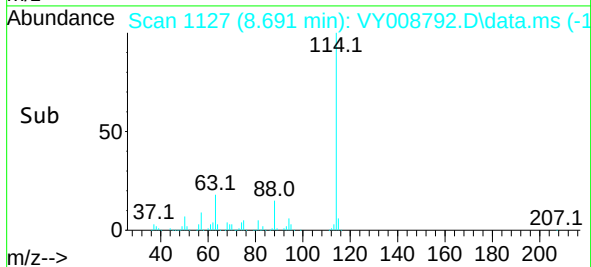
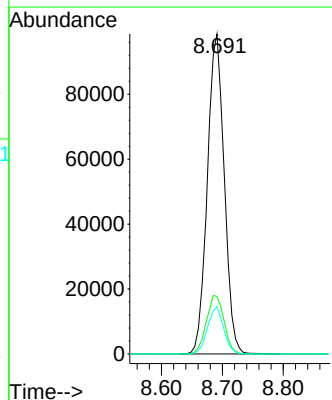
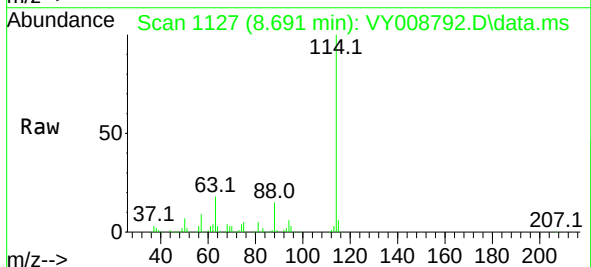
Tgt Ion: 114 Resp: 189960

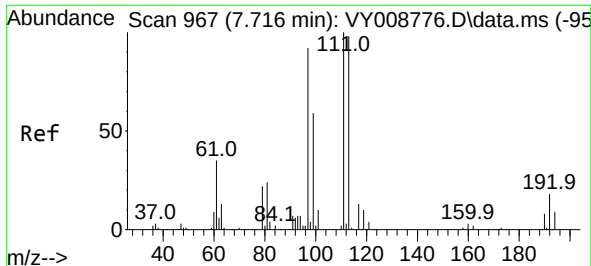
Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 14.9 0.0 31.8

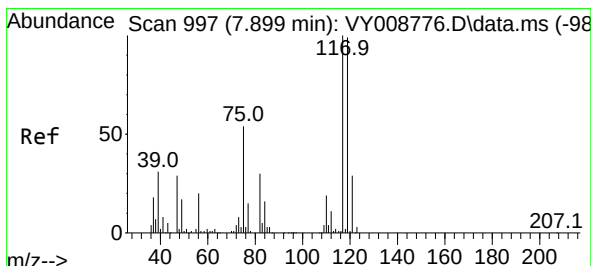
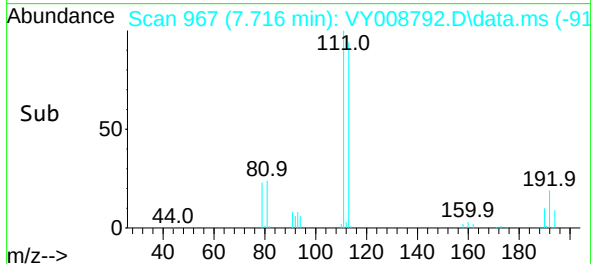
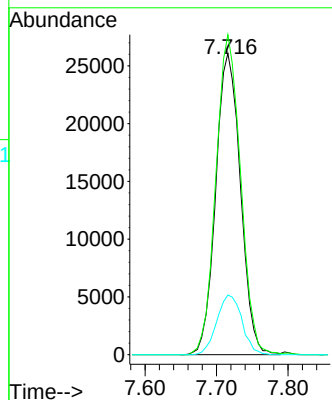
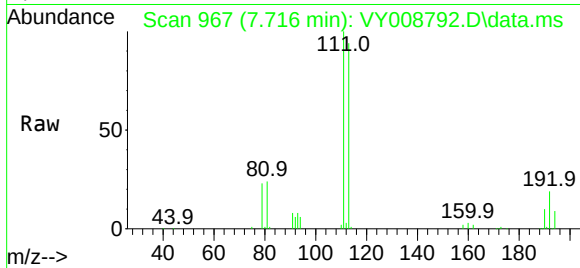




#35
Dibromofluoromethane
Concen: 56.357 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

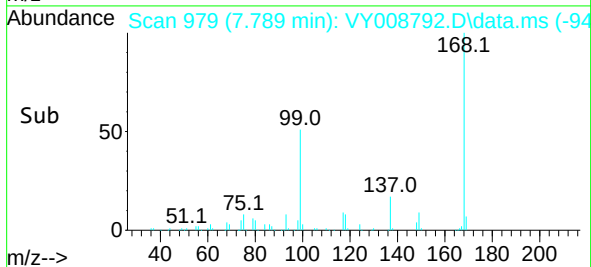
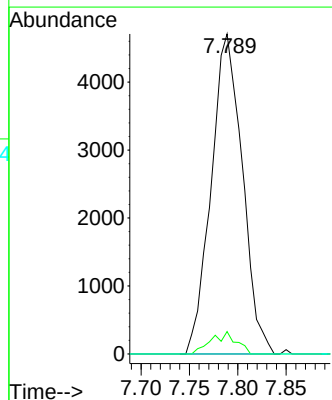
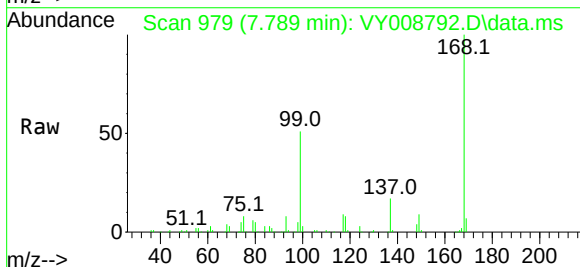
Instrument :
MSVOA_Y
ClientSampleId :

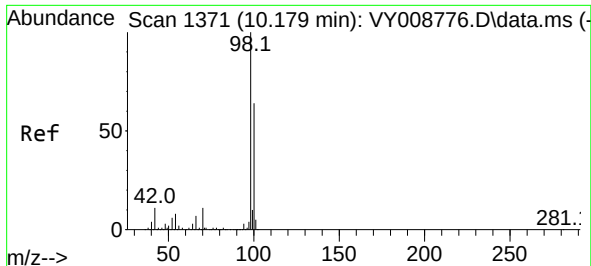
Tgt Ion:113 Resp: 62550
Ion Ratio Lower Upper
113 100
111 106.3 82.6 124.0
192 20.2 17.6 26.4



#38
Carbon Tetrachloride
Concen: 5.544 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

Tgt Ion:117 Resp: 10561
Ion Ratio Lower Upper
117 100
119 7.0 77.9 116.9#
121 0.0 24.8 37.2#

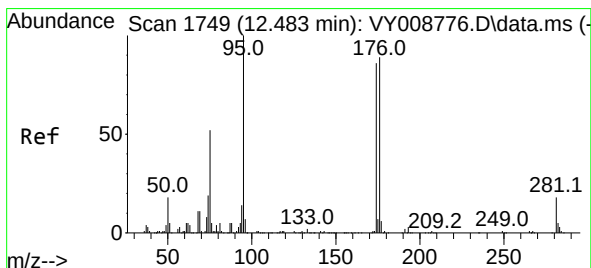
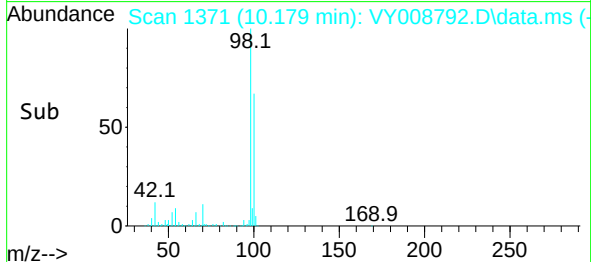
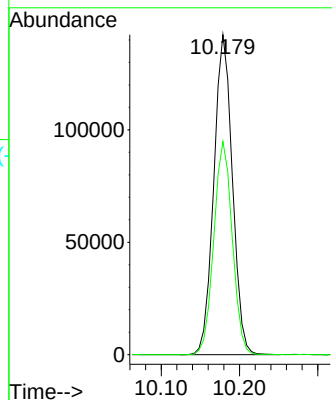
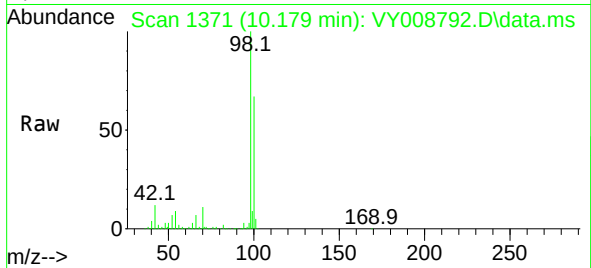




#50
Toluene-d8
Concen: 47.784 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

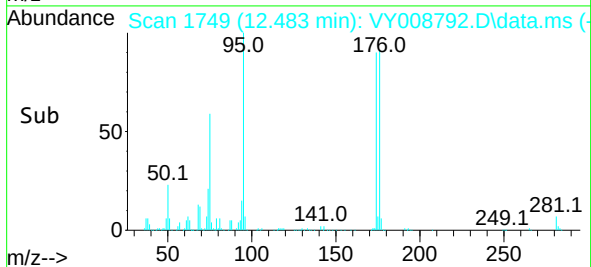
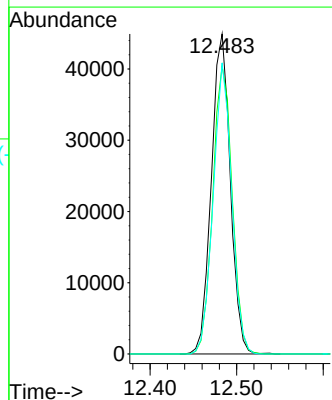
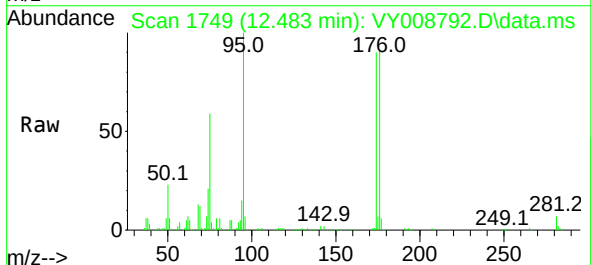
Instrument :
MSVOA_Y
ClientSampleId :

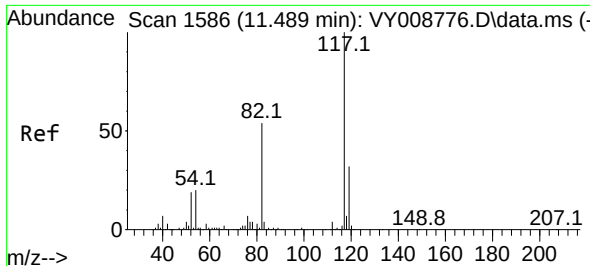
Tgt Ion: 98 Resp: 235001
Ion Ratio Lower Upper
98 100
100 66.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.571 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

Tgt Ion: 95 Resp: 68291
Ion Ratio Lower Upper
95 100
174 92.2 0.0 177.0
176 88.8 0.0 175.8

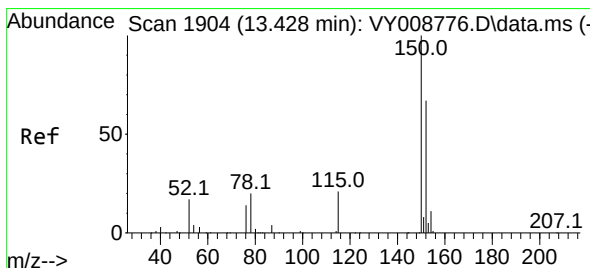
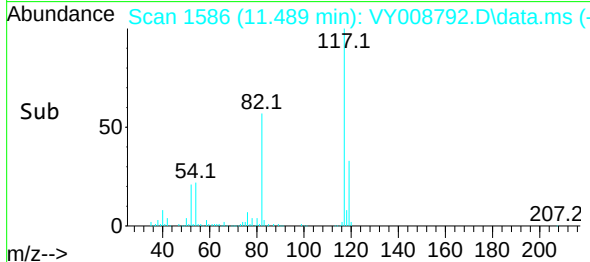
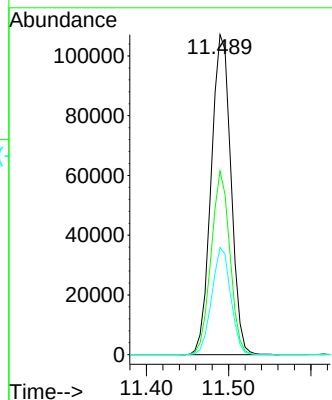
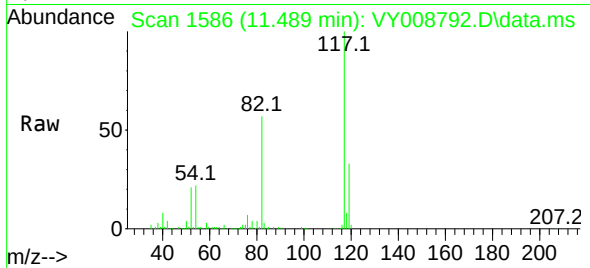




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

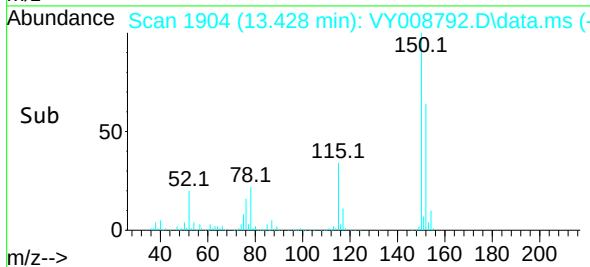
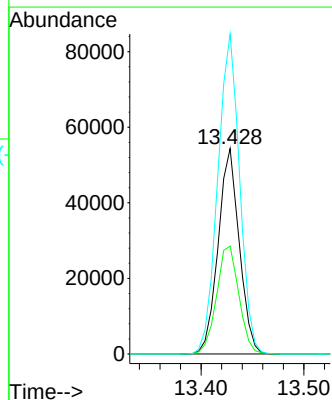
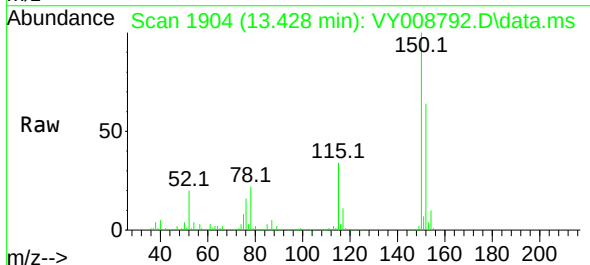
Instrument :
MSVOA_Y
ClientSampleId :

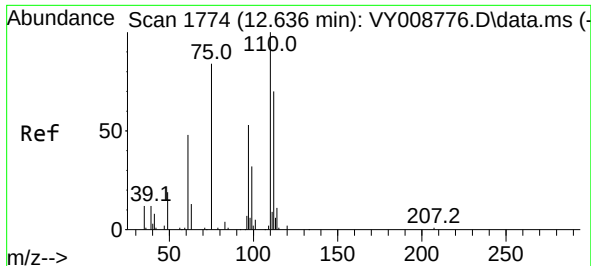
Tgt Ion:117 Resp: 179053
Ion Ratio Lower Upper
117 100
82 57.4 43.0 64.4
119 33.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

Tgt Ion:152 Resp: 77603
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 160.5 0.0 347.6

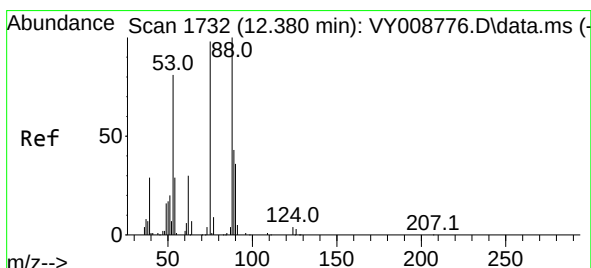
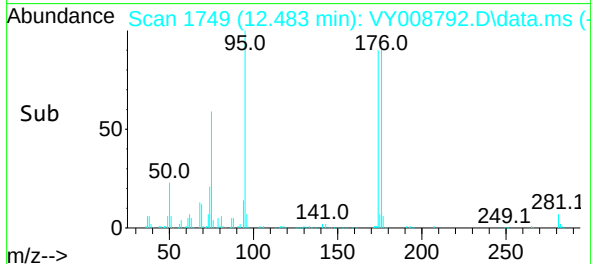
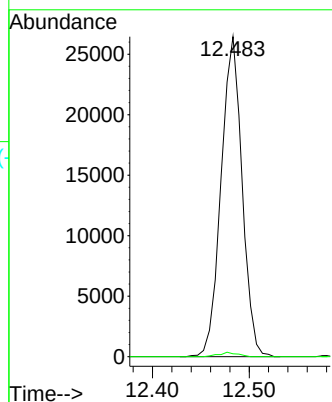
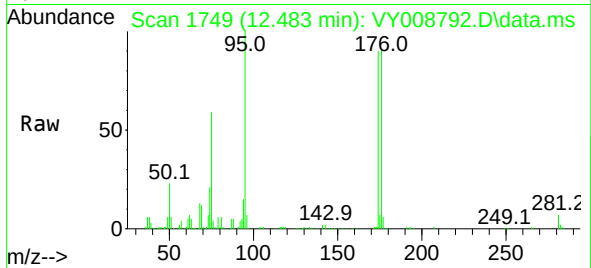




#76
1,2,3-Trichloropropane
Concen: 44.422 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 39821
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.164 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008792.D
Acq: 17 May 2022 23:25

Tgt Ion: 75 Resp: 39821
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

