

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051322\
 Data File : VY008760.D
 Acq On : 13 May 2022 19:32
 Operator : KP/MD
 Sample : N2802-03
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DEEP-WC-1

Quant Time: May 16 05:55:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 02:08:33 2022
 Response via : Initial Calibration

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

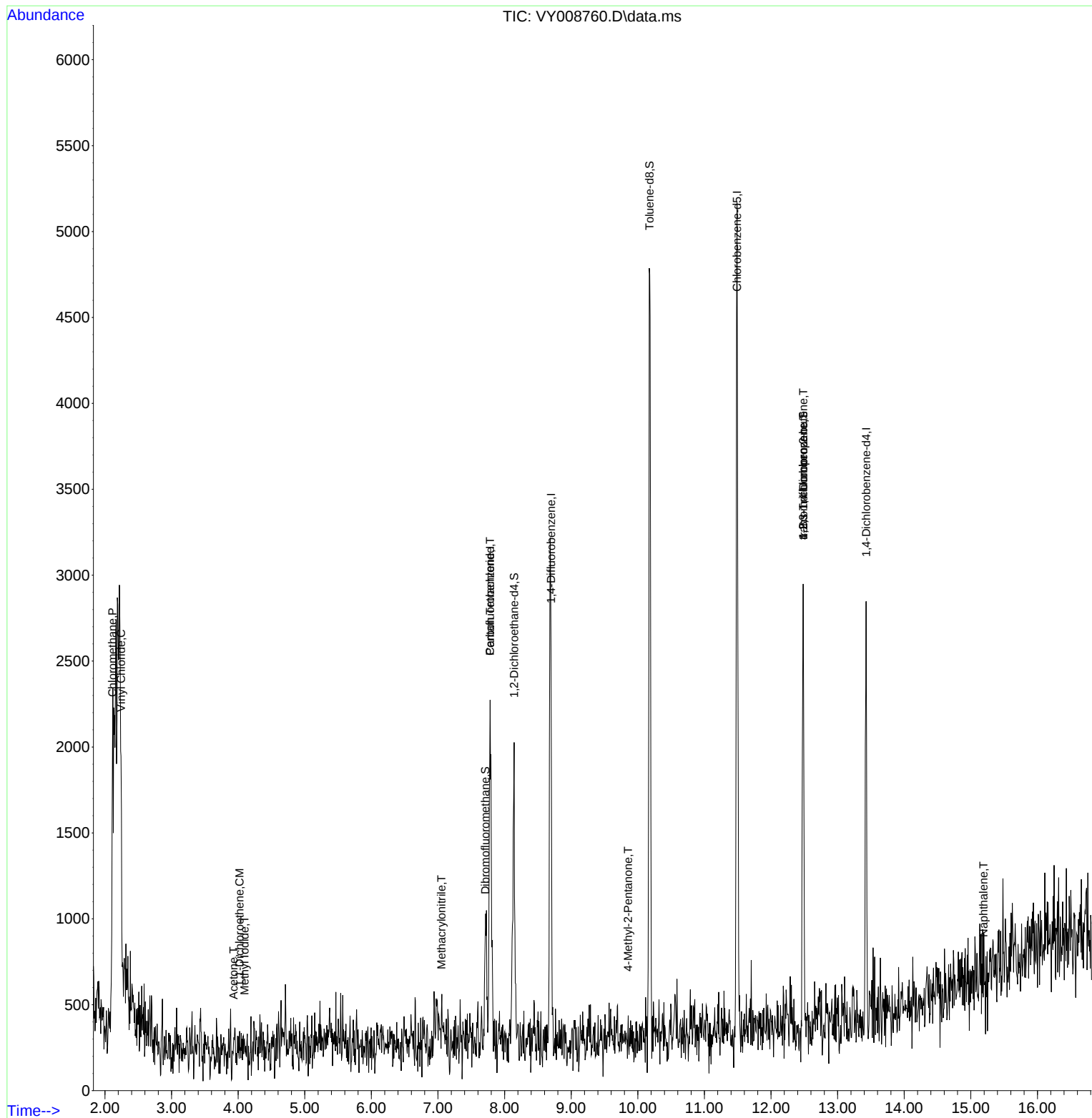
Internal Standards						
1) Pentafluorobenzene	7.783	168	1177	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	3195	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.489	117	2905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	1164	99.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 198.600%#	
35) Dibromofluoromethane	7.709	113	596	31.080	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 62.160%	
50) Toluene-d8	10.178	98	3651	50.486	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.980%	
62) 4-Bromofluorobenzene	12.483	95	779	31.091	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 62.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	196	8.563	ug/l	# 41
4) Vinyl Chloride	2.241	62	108	2.733	ug/l	# 41
5) Bromomethane	2.674	94	84	Below Cal	#	3
10) Methyl Iodide	4.094	142	269	23.112	ug/l	# 60
12) 1,1-Dichloroethene	4.021	96	21	1.900	ug/l	# 1
16) Acetone	3.930	43	109	37.791	ug/l	# 43
20) Methylene Chloride	4.716	84	46	Below Cal	#	10
38) Carbon Tetrachloride	7.783	117	124	3.833	ug/l	# 11
41) Methacrylonitrile	7.051	41	30	3.986	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.855	43	19	1.212	ug/l	# 34
76) 1,2,3-Trichloropropane	12.483	75	569	68.456	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	569	132.250	ug/l	# 16
95) Naphthalene	15.190	128	45	1.489	ug/l	# 69

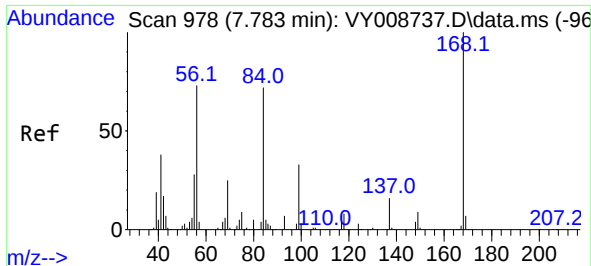
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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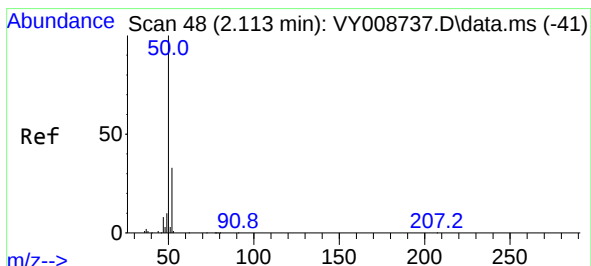
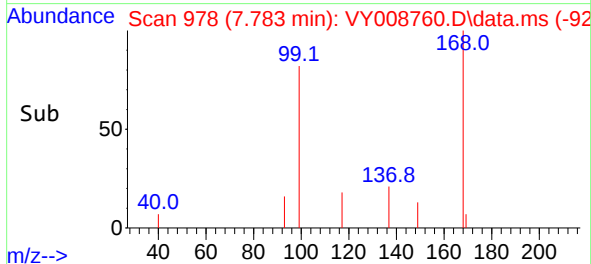
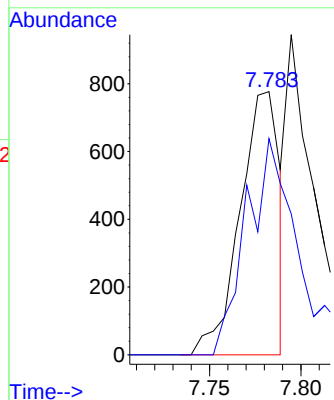
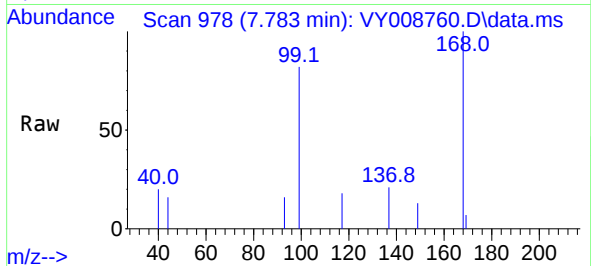




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

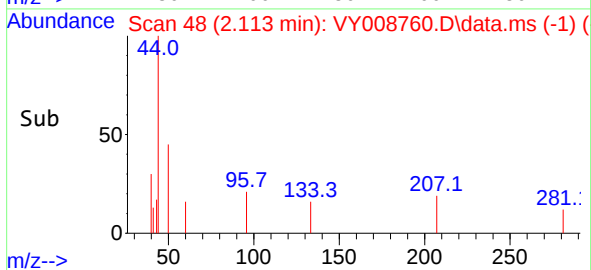
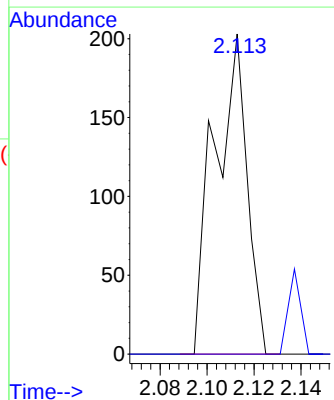
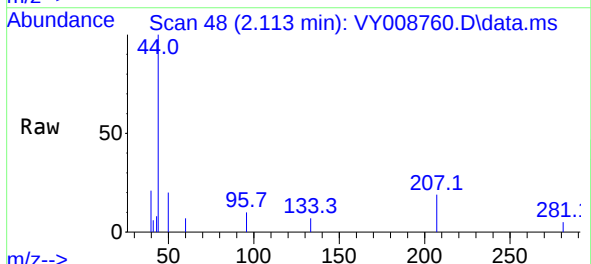
Instrument :
MSVOA_Y
ClientSampleId :
DEEP-WC-1

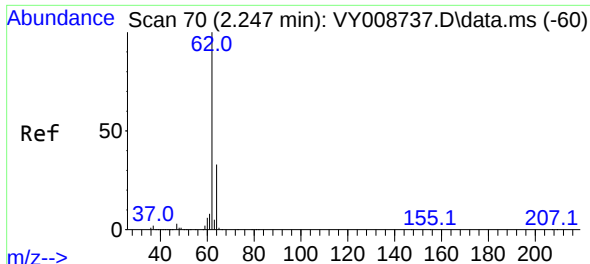
Tgt Ion:168 Resp: 1177
Ion Ratio Lower Upper
168 100
99 82.1 42.3 63.5#



#3
Chloromethane
Concen: 8.563 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

Tgt Ion: 50 Resp: 196
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

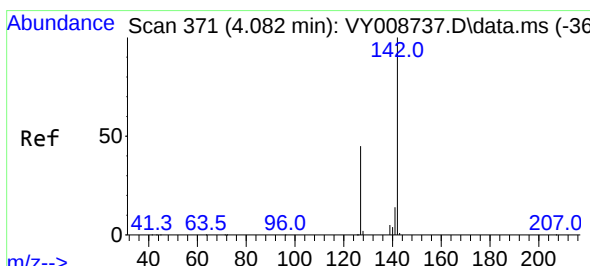
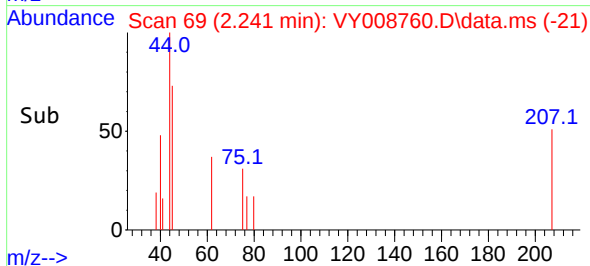
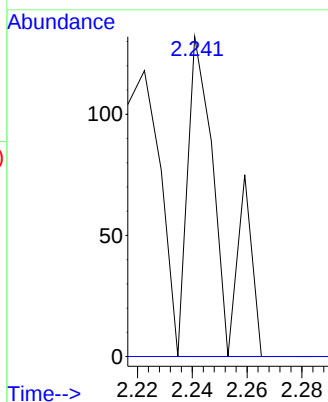
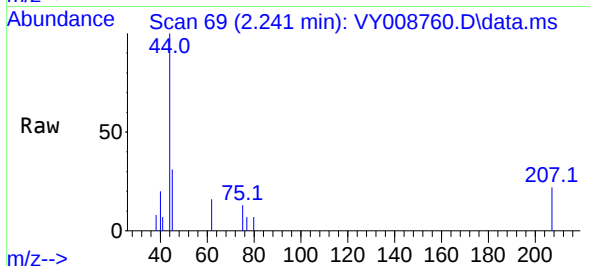




#4
 Vinyl Chloride
 Concen: 2.733 ug/l
 RT: 2.241 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VY008760.D
 Acq: 13 May 2022 19:32

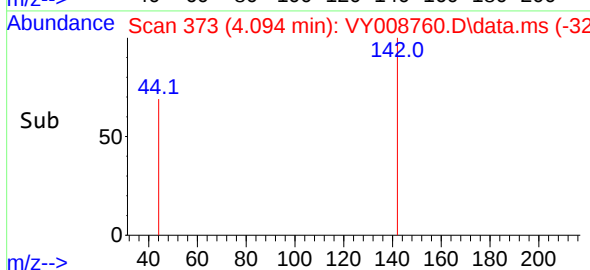
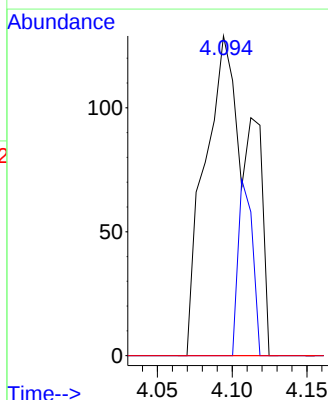
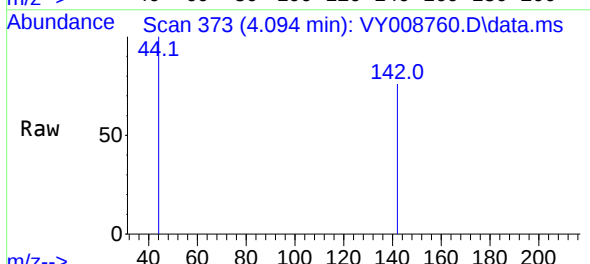
Instrument :
 MSVOA_Y
 ClientSampleId :
 DEEP-WC-1

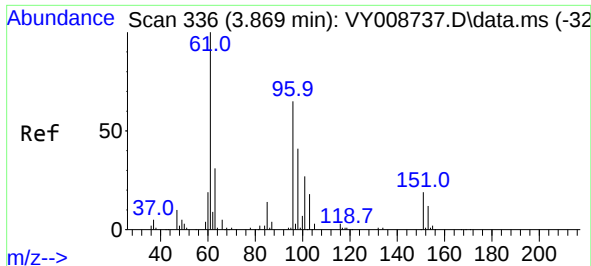
Tgt Ion: 62 Resp: 108
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.7 40.1#



#10
 Methyl Iodide
 Concen: 23.112 ug/l
 RT: 4.094 min Scan# 373
 Delta R.T. 0.012 min
 Lab File: VY008760.D
 Acq: 13 May 2022 19:32

Tgt Ion: 142 Resp: 269
 Ion Ratio Lower Upper
 142 100
 127 17.5 35.4 53.0#
 141 0.0 11.7 17.5#





#12

1,1-Dichloroethene

Concen: 1.900 ug/l

RT: 4.021 min Scan# 30

Delta R.T. 0.152 min

Lab File: VY008760.D

Acq: 13 May 2022 19:32

Instrument :

MSVOA_Y

ClientSampleId :

DEEP-WC-1

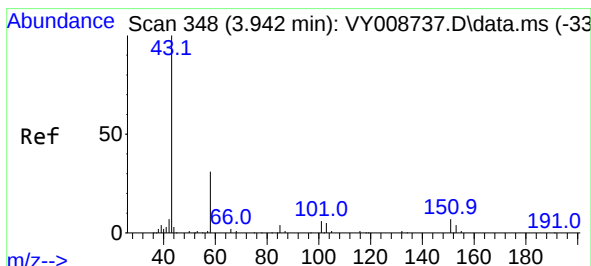
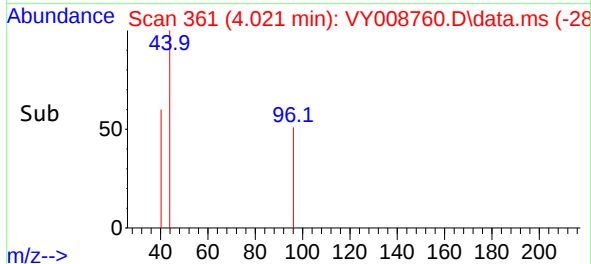
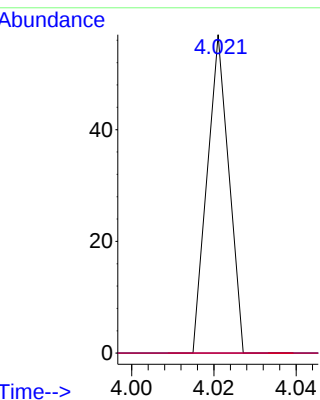
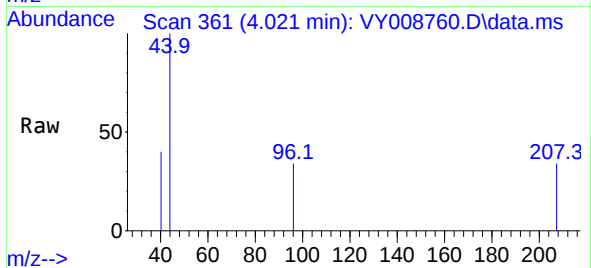
Tgt Ion: 96 Resp: 21

Ion Ratio Lower Upper

96 100

61 0.0 123.9 185.9#

98 0.0 51.2 76.8#



#16

Acetone

Concen: 37.791 ug/l

RT: 3.930 min Scan# 346

Delta R.T. -0.012 min

Lab File: VY008760.D

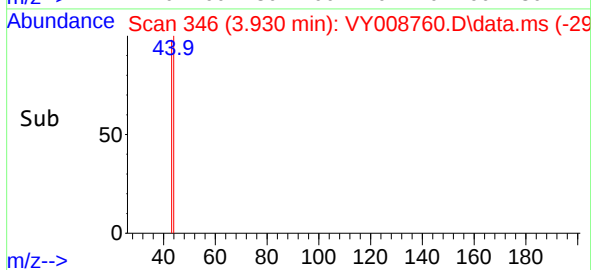
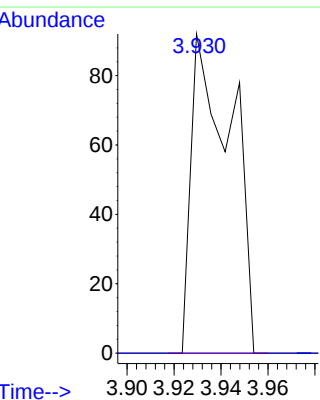
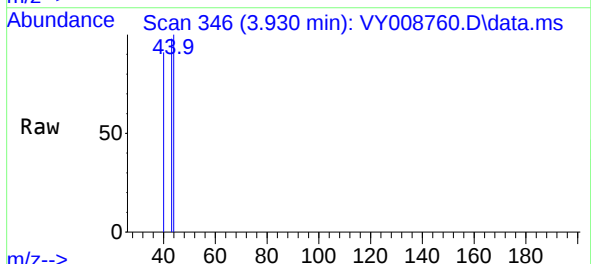
Acq: 13 May 2022 19:32

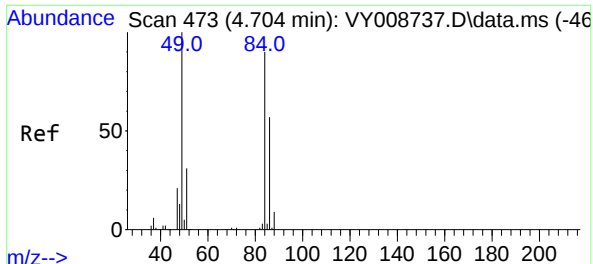
Tgt Ion: 43 Resp: 109

Ion Ratio Lower Upper

43 100

58 0.0 25.1 37.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY008760.D

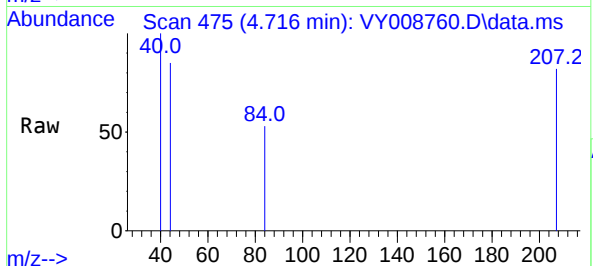
Acq: 13 May 2022 19:32

Instrument :

MSVOA_Y

ClientSampleId :

DEEP-WC-1



Tgt Ion: 84 Resp: 46

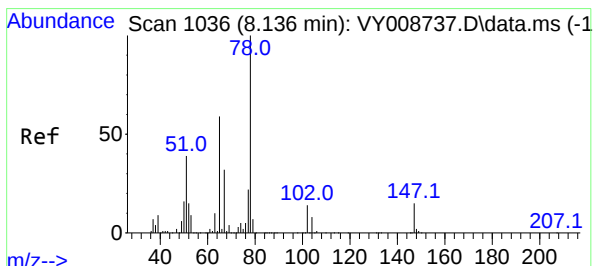
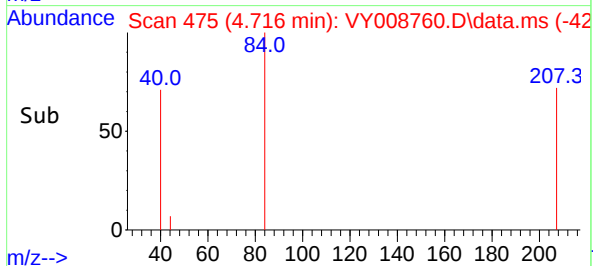
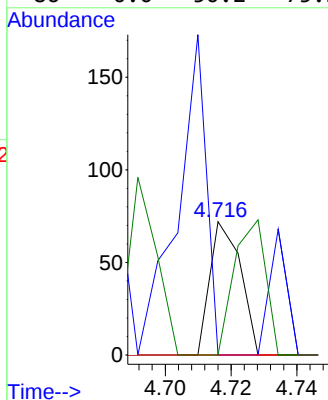
Ion Ratio Lower Upper

84 100

49 0.0 88.6 133.0#

51 0.0 27.4 41.0#

86 0.0 50.2 75.2#



#33

1,2-Dichloroethane-d4

Concen: 99.303 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY008760.D

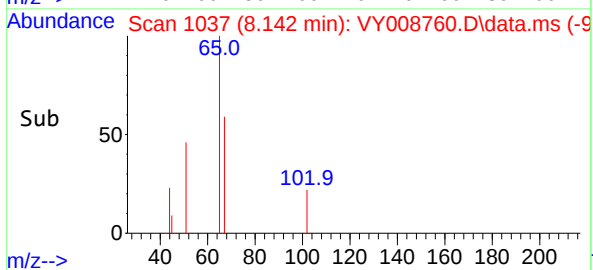
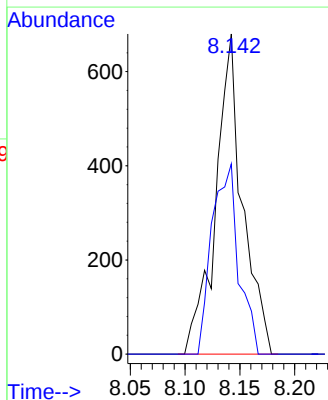
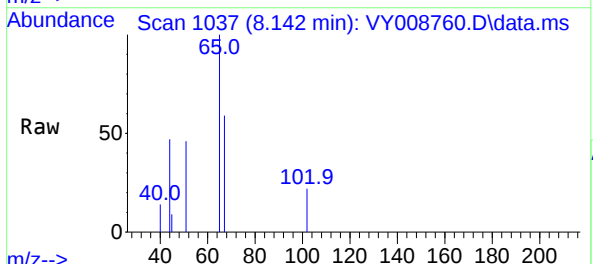
Acq: 13 May 2022 19:32

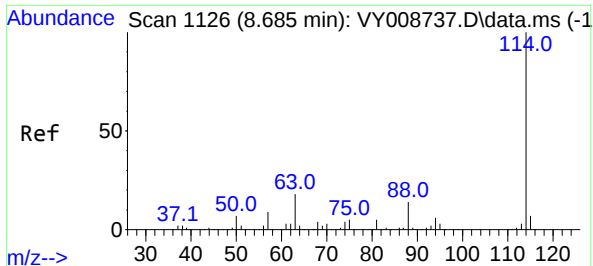
Tgt Ion: 65 Resp: 1164

Ion Ratio Lower Upper

65 100

67 58.5 0.0 110.0

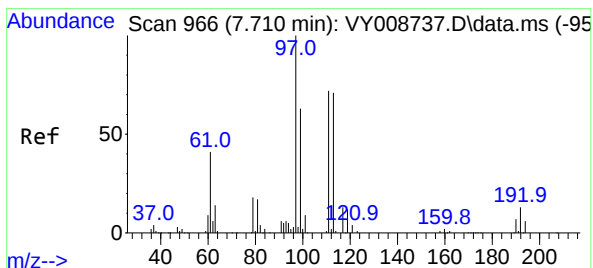
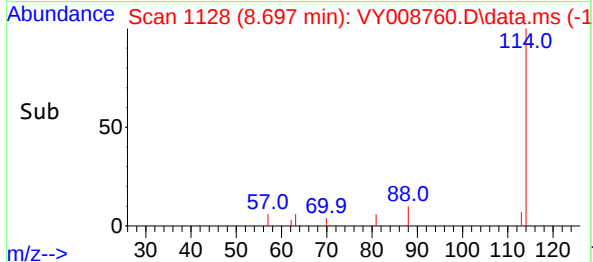
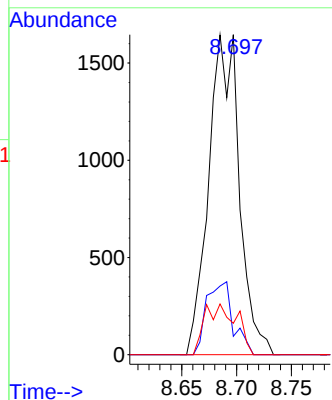
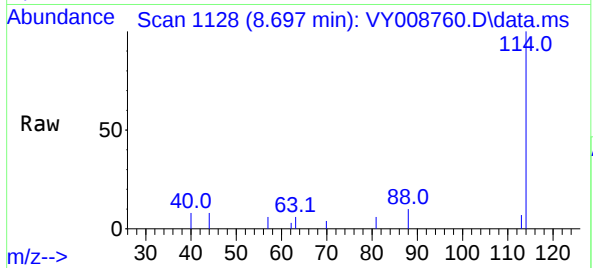




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1126
Delta R.T. 0.012 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

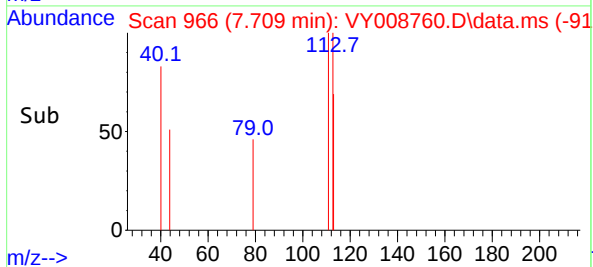
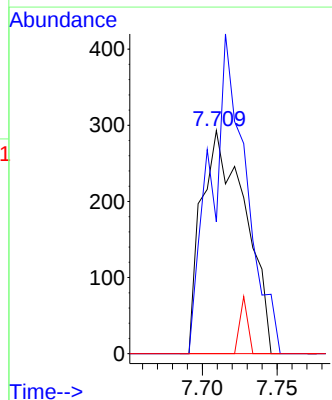
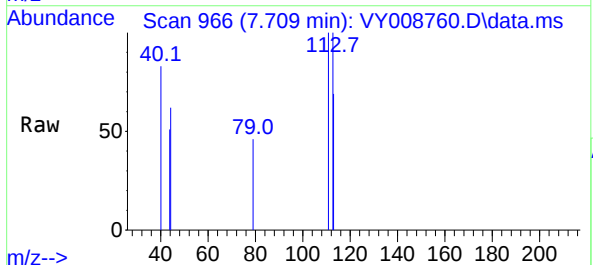
Instrument :
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ClientSampleId :
DEEP-WC-1

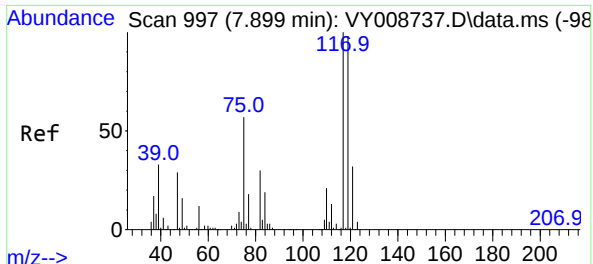
Tgt Ion:114 Resp: 3195
Ion Ratio Lower Upper
114 100
63 5.8 0.0 36.4
88 9.8 0.0 27.4



#35
Dibromofluoromethane
Concen: 31.080 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

Tgt Ion:113 Resp: 596
Ion Ratio Lower Upper
113 100
111 115.9 81.8 122.6
192 4.5 14.5 21.7#





#38

Carbon Tetrachloride

Concen: 3.833 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY008760.D

Acq: 13 May 2022 19:32

Instrument :

MSVOA_Y

ClientSampleId :

DEEP-WC-1

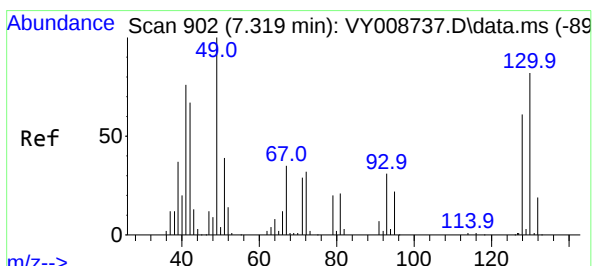
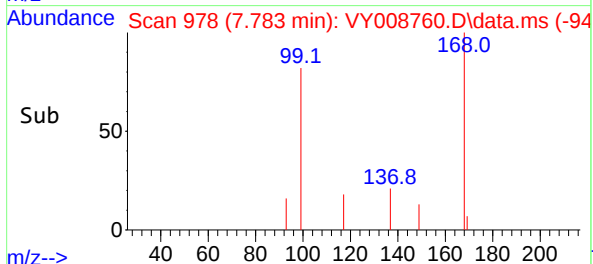
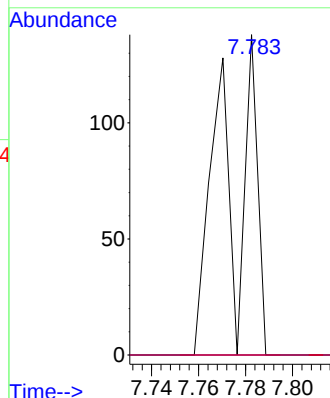
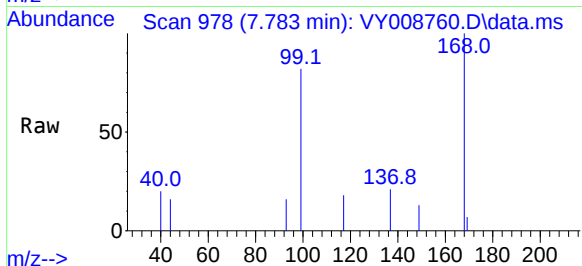
Tgt Ion:117 Resp: 124

Ion Ratio Lower Upper

117 100

119 0.0 78.5 117.7#

121 0.0 25.8 38.8#



#41

Methacrylonitrile

Concen: 3.986 ug/l

RT: 7.051 min Scan# 858

Delta R.T. -0.268 min

Lab File: VY008760.D

Acq: 13 May 2022 19:32

Tgt Ion: 41 Resp: 30

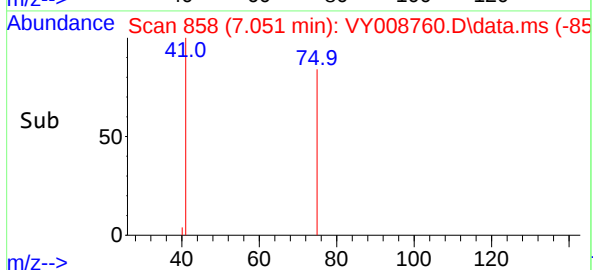
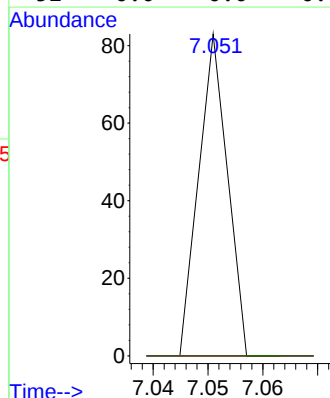
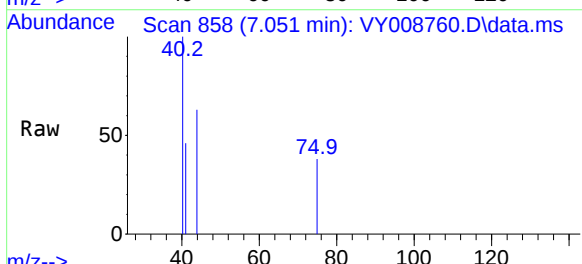
Ion Ratio Lower Upper

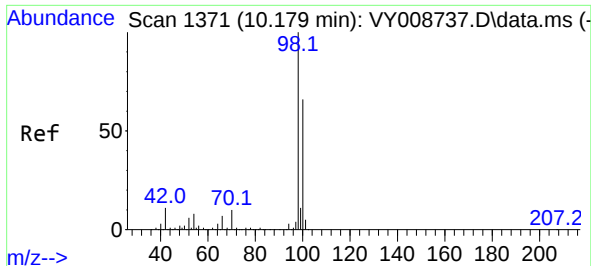
41 100

39 0.0 97.1 145.7#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

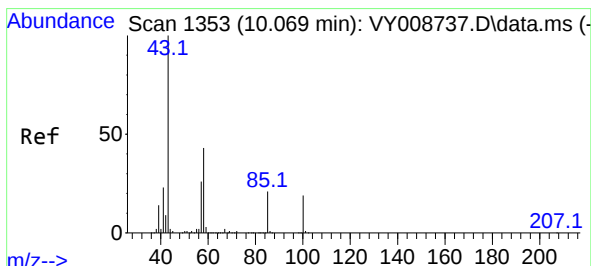
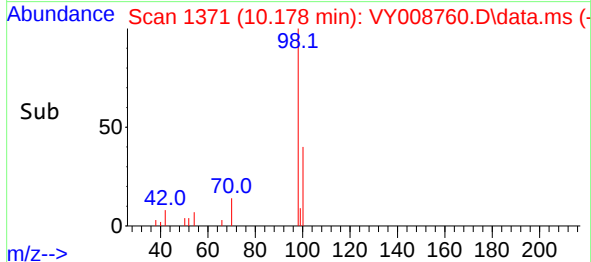
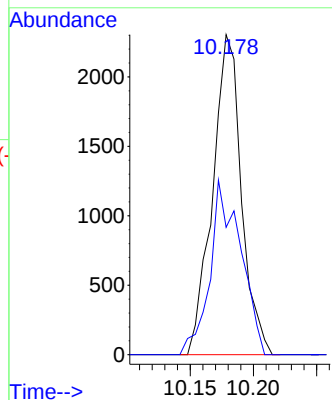
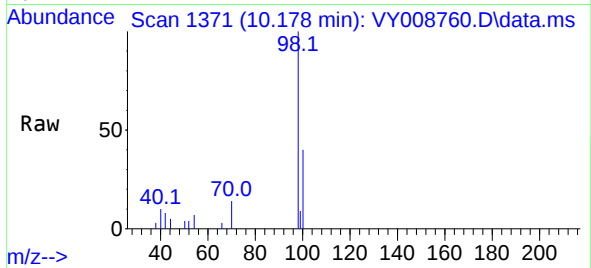




#50
Toluene-d8
Concen: 50.486 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

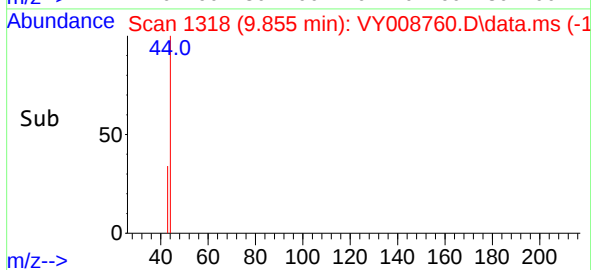
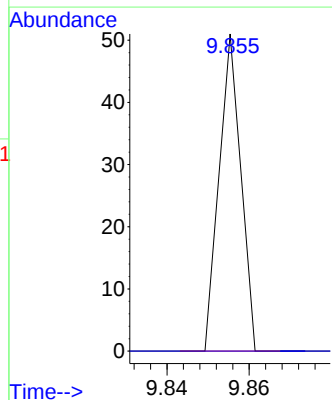
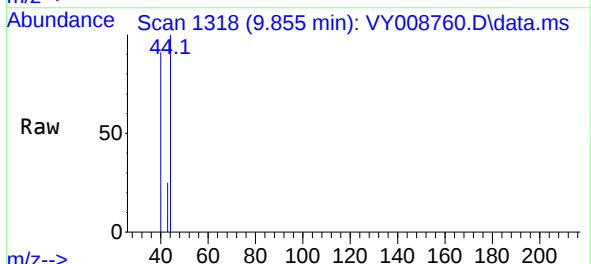
Instrument :
MSVOA_Y
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DEEP-WC-1

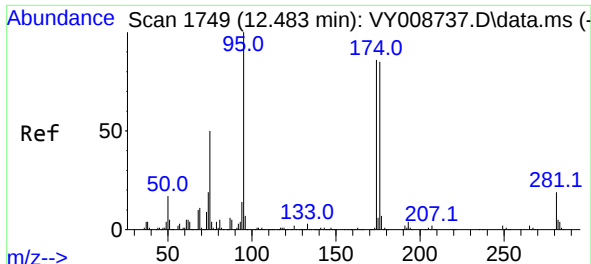
Tgt Ion: 98 Resp: 3651
Ion Ratio Lower Upper
98 100
100 57.8 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.212 ug/l
RT: 9.855 min Scan# 1318
Delta R.T. -0.214 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#

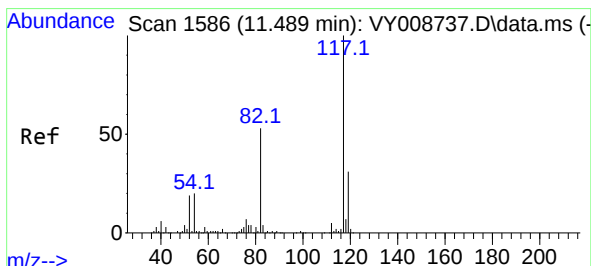
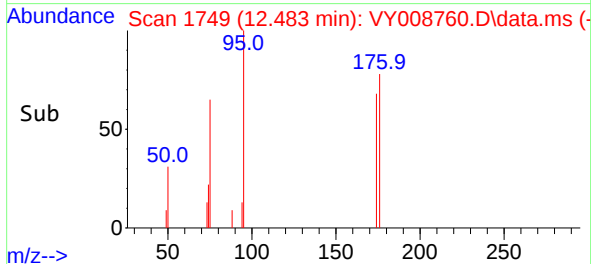
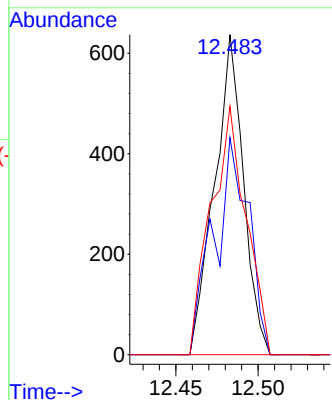
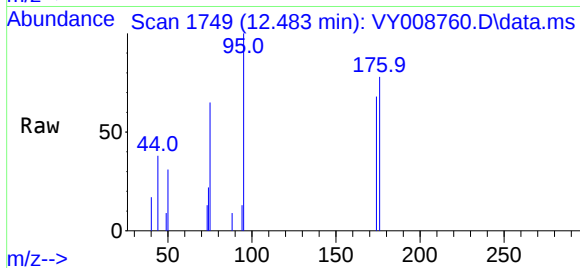




#62
4-Bromofluorobenzene
Concen: 31.091 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

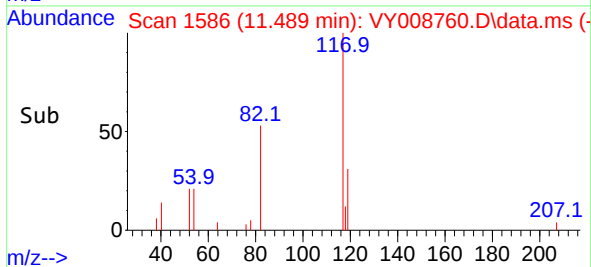
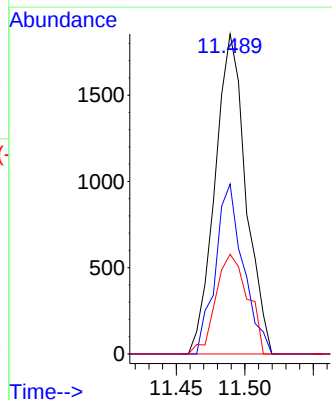
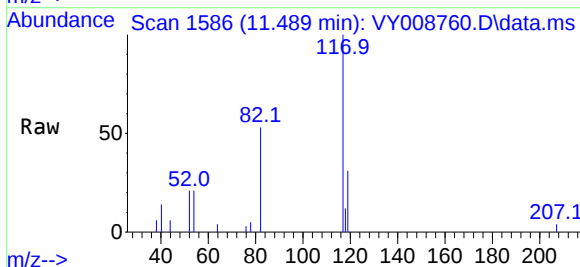
Instrument :
MSVOA_Y
ClientSampleId :
DEEP-WC-1

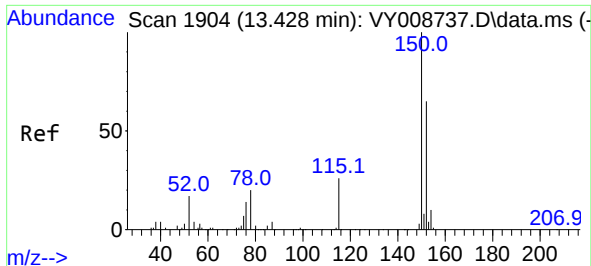
Tgt Ion:	95	Resp:	779
Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	171.2
176	93.6	0.0	168.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

Tgt Ion:	117	Resp:	2905
Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.3	63.5
119	31.2	24.6	37.0

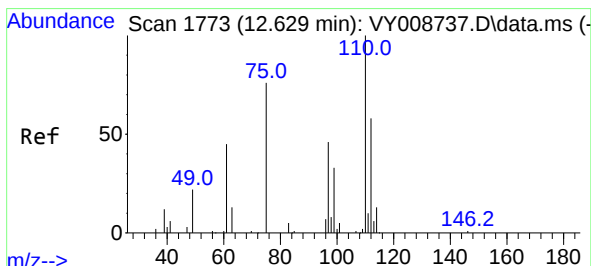
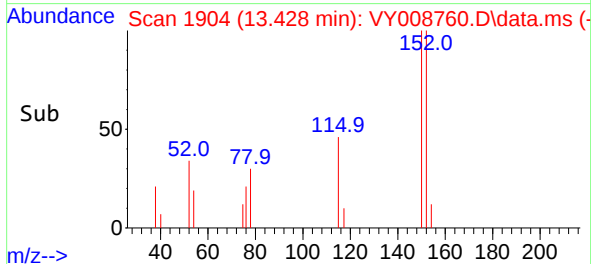
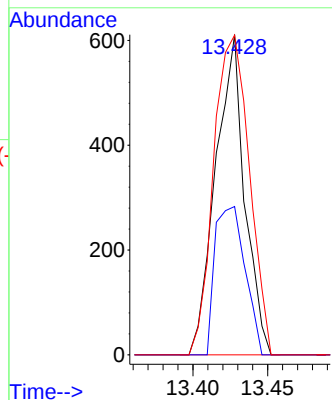
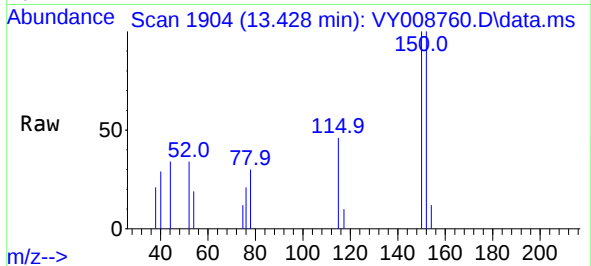




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

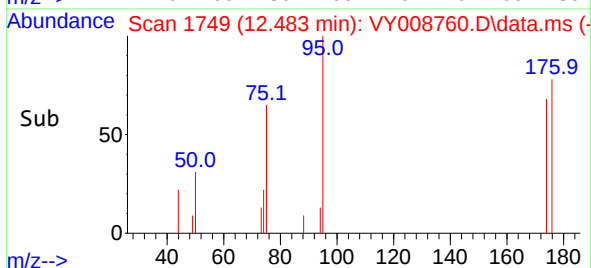
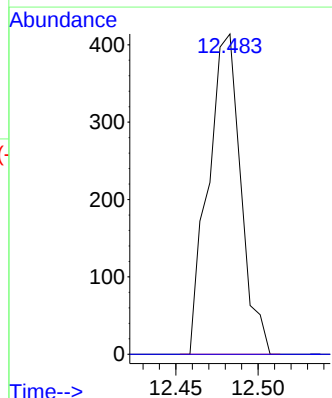
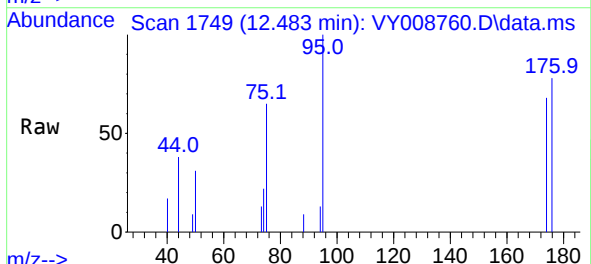
Instrument :
MSVOA_Y
ClientSampleId :
DEEP-WC-1

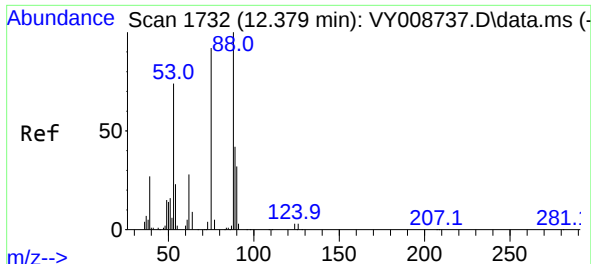
Tgt Ion:152 Resp: 826
Ion Ratio Lower Upper
152 100
115 47.9 28.2 84.7
150 122.3 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 68.456 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

Tgt Ion: 75 Resp: 569
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

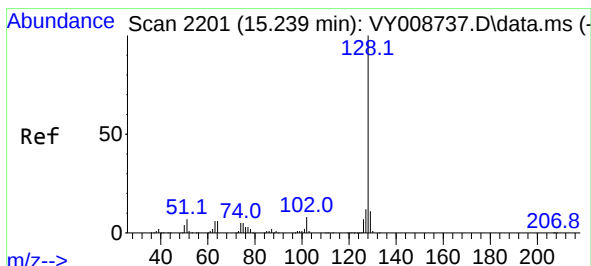
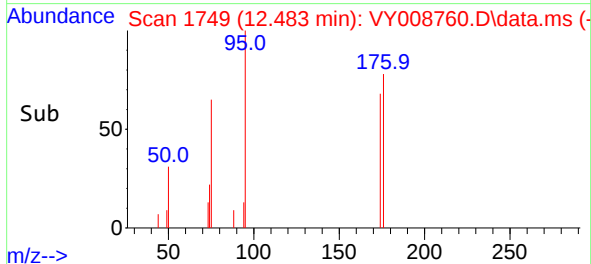
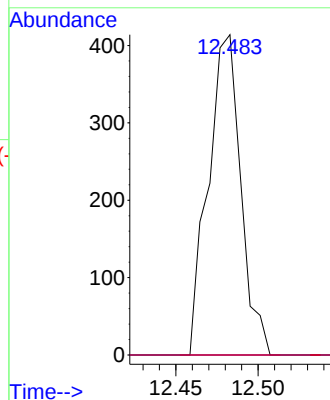
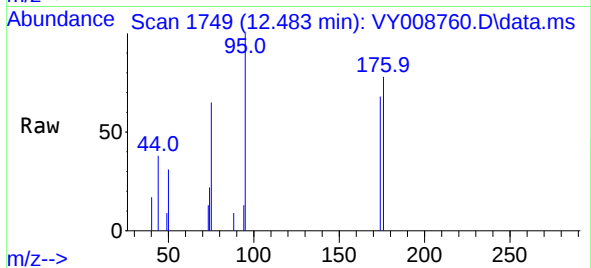




#81
trans-1,4-Dichloro-2-butene
Concen: 132.250 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

Instrument :
MSVOA_Y
ClientSampleId :
DEEP-WC-1

Tgt Ion: 75 Resp: 569
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 1.489 ug/l
RT: 15.190 min Scan# 2193
Delta R.T. -0.049 min
Lab File: VY008760.D
Acq: 13 May 2022 19:32

Tgt Ion: 128 Resp: 45
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.9 13.3#

