

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009076.D
 Acq On : 24 May 2022 20:47
 Operator : KP/MD
 Sample : N2981-09
 Misc : 2.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11(0.5-1)

Quant Time: May 25 02:57:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

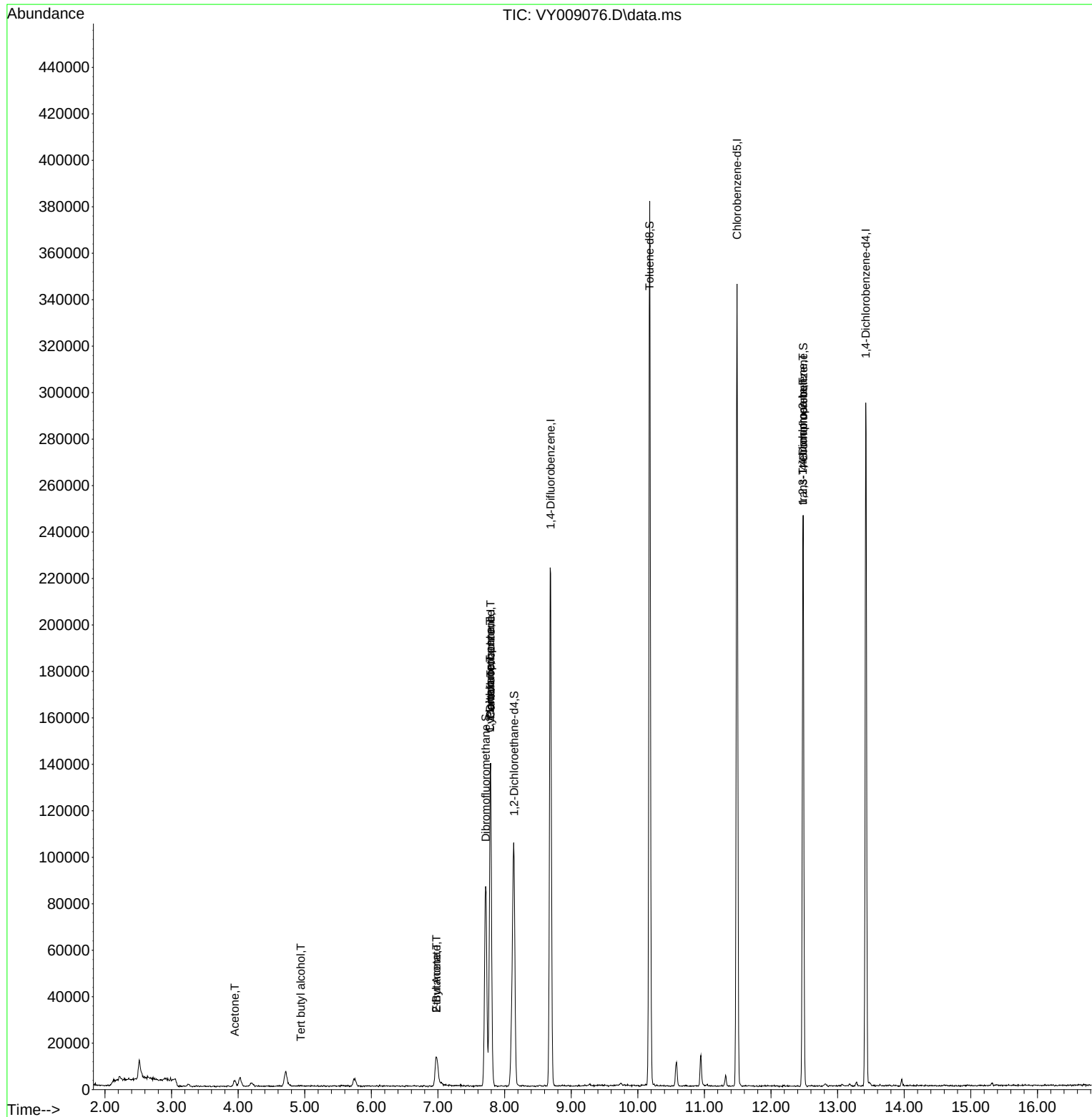
Internal Standards						
1) Pentafluorobenzene	7.789	168	104593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	189743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	174329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	66468	61.747	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	123.500%
35) Dibromofluoromethane	7.716	113	60801	51.531	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.060%
50) Toluene-d8	10.179	98	232537	53.422	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.840%
62) 4-Bromofluorobenzene	12.483	95	64289	36.613	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	73.220%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	203	1.859	ug/l #	77
16) Acetone	3.948	43	4505	20.105	ug/l	95
20) Methylene Chloride	4.722	84	4567	Below Cal	#	68
25) 2-Butanone	6.978	43	1095	2.736	ug/l	100
31) Cyclohexane	7.783	56	2582	1.226	ug/l #	22
36) 1,1-Dichloropropene	7.783	75	8651	4.308	ug/l #	51
37) Ethyl Acetate	6.978	43	1095	1.051	ug/l #	49
38) Carbon Tetrachloride	7.789	117	10727	5.107	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	37375	48.666	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	37375	99.886	ug/l #	7

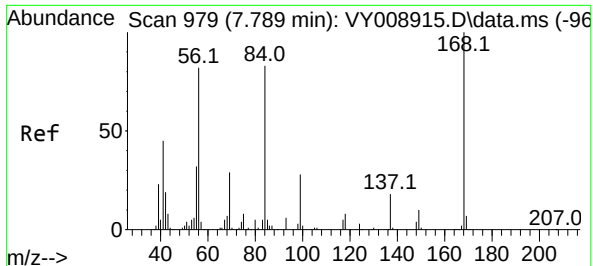
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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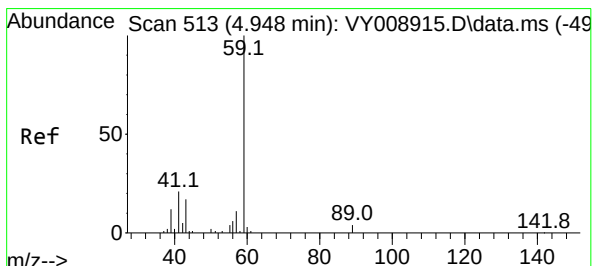
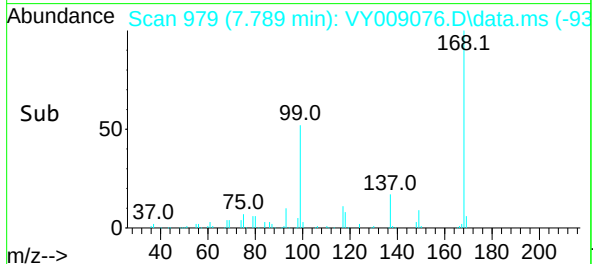
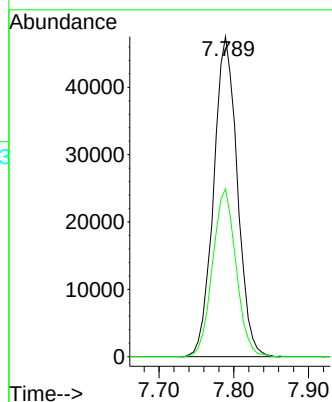
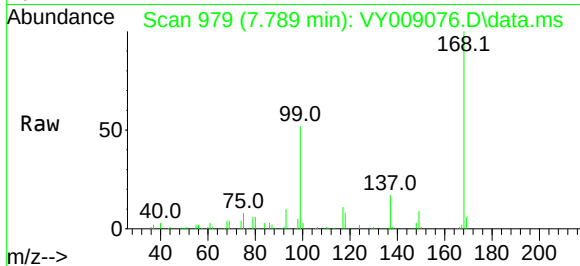




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

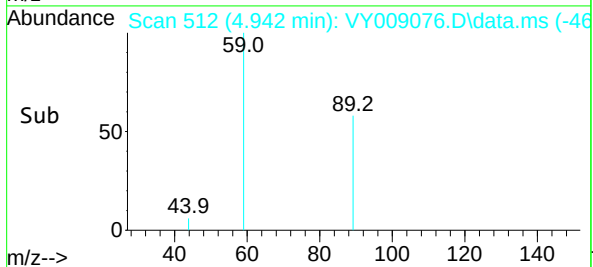
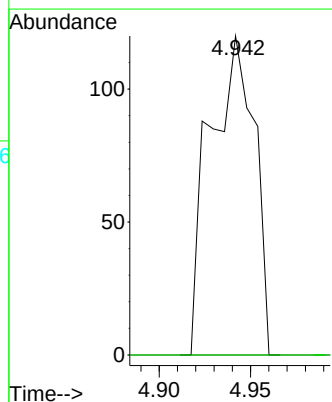
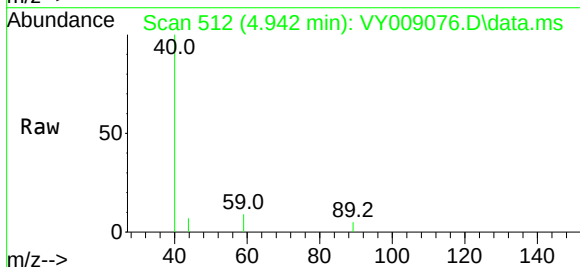
Instrument :
MSVOA_Y
ClientSampleId :
SB-11(0.5-1)

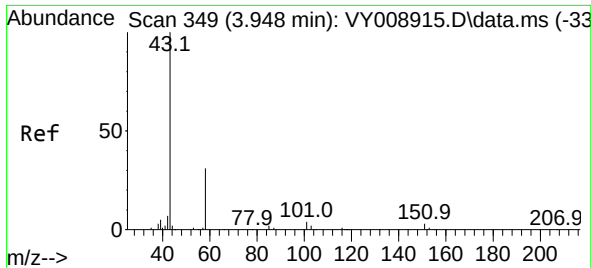
Tgt Ion:168 Resp: 104593
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.859 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

Tgt Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

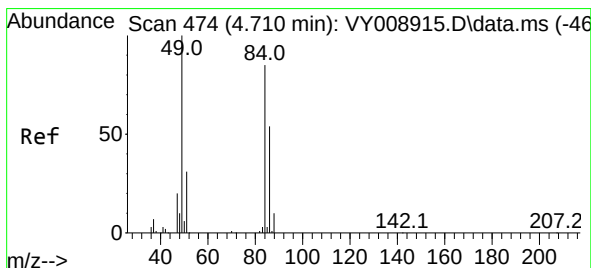
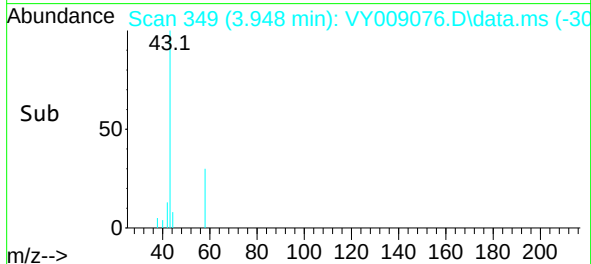
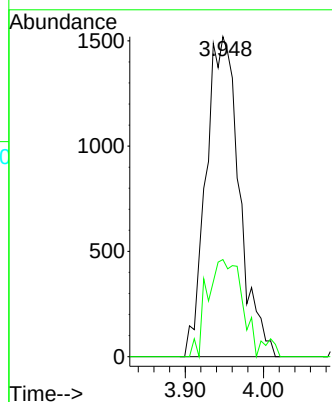
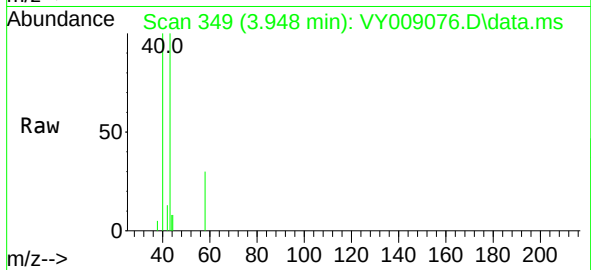




#16
Acetone
Concen: 20.105 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

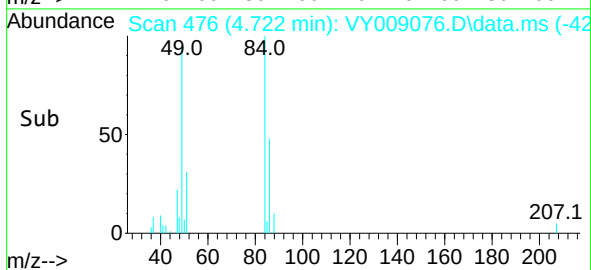
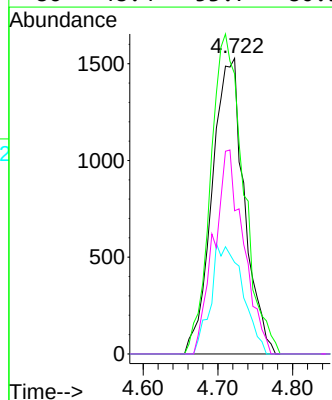
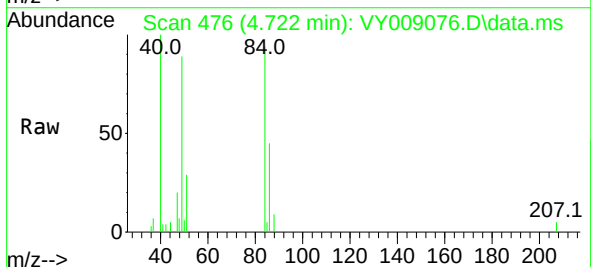
Instrument :
MSVOA_Y
ClientSampleId :
SB-11(0.5-1)

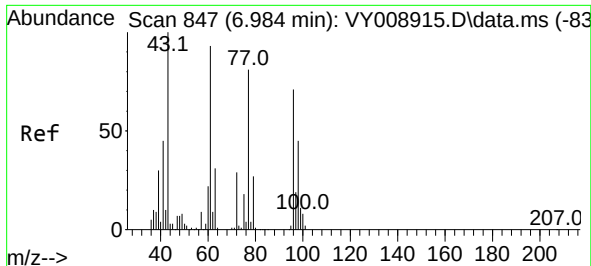
Tgt Ion: 43 Resp: 4505
Ion Ratio Lower Upper
43 100
58 30.3 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

Tgt Ion: 84 Resp: 4567
Ion Ratio Lower Upper
84 100
49 94.7 114.4 171.6#
51 31.0 35.3 52.9#
86 48.4 53.7 80.5#





#25

2-Butanone

Concen: 2.736 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY009076.D

Acq: 24 May 2022 20:47

Instrument :

MSVOA_Y

ClientSampleId :

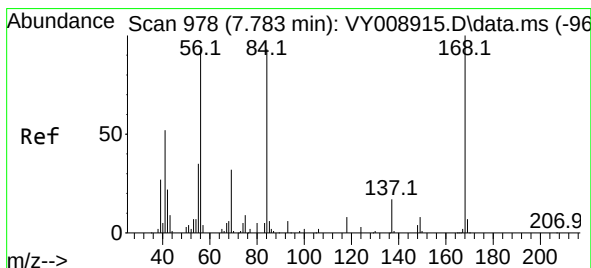
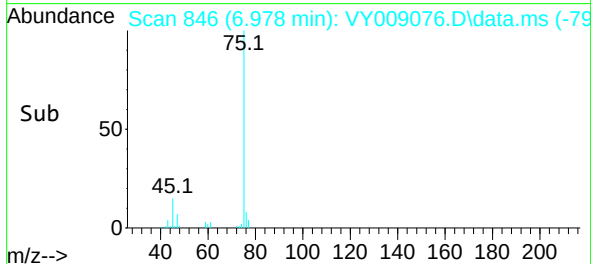
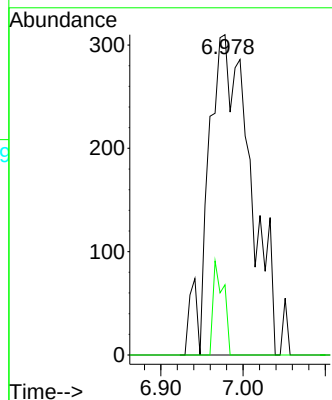
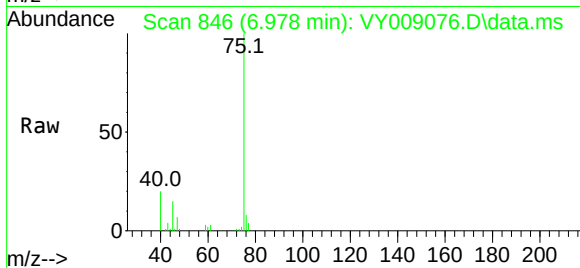
SB-11(0.5-1)

Tgt Ion: 43 Resp: 1095

Ion Ratio Lower Upper

43 100

72 21.9 17.7 26.5



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY009076.D

Acq: 24 May 2022 20:47

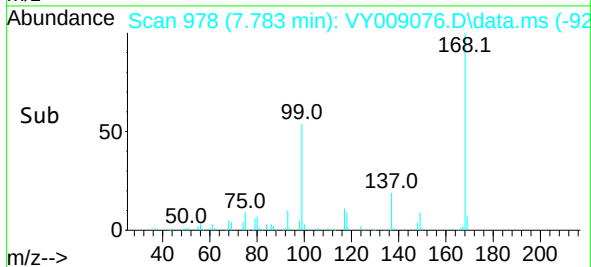
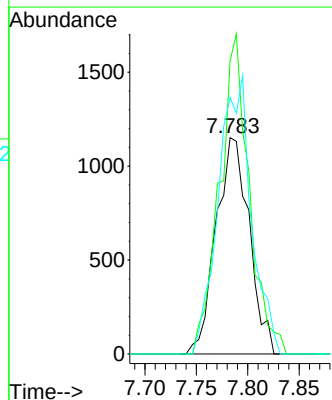
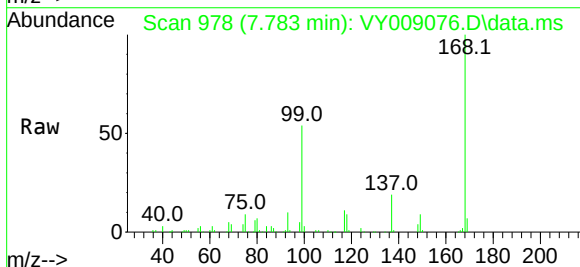
Tgt Ion: 56 Resp: 2582

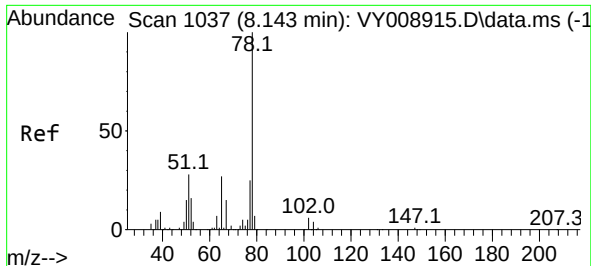
Ion Ratio Lower Upper

56 100

69 135.5 26.7 40.1#

84 118.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.747 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY009076.D

Acq: 24 May 2022 20:47

Instrument :

MSVOA_Y

ClientSampleId :

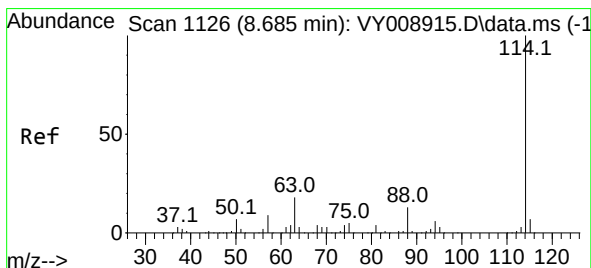
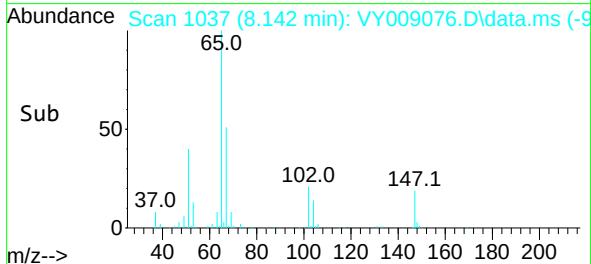
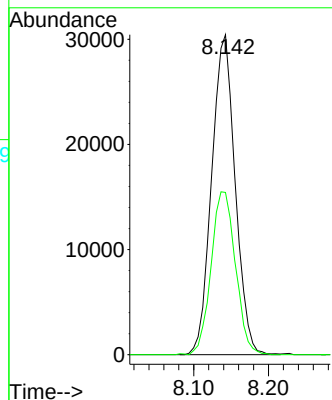
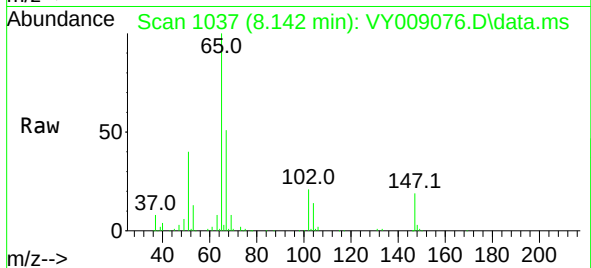
SB-11(0.5-1)

Tgt Ion: 65 Resp: 66468

Ion Ratio Lower Upper

65 100

67 52.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009076.D

Acq: 24 May 2022 20:47

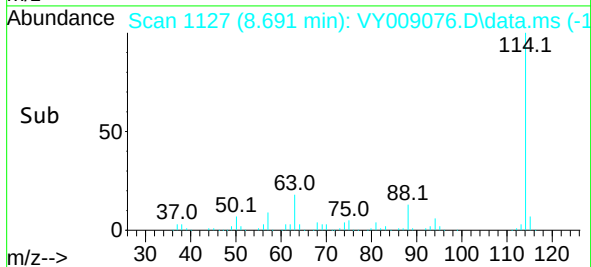
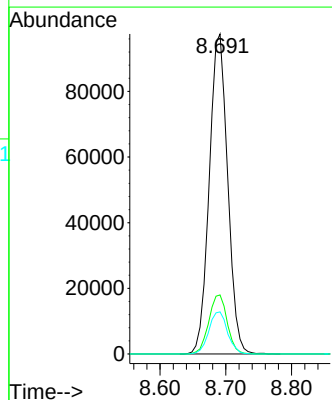
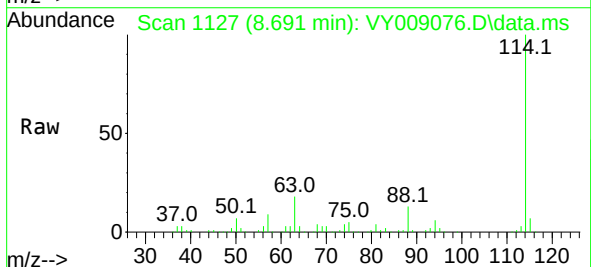
Tgt Ion: 114 Resp: 189743

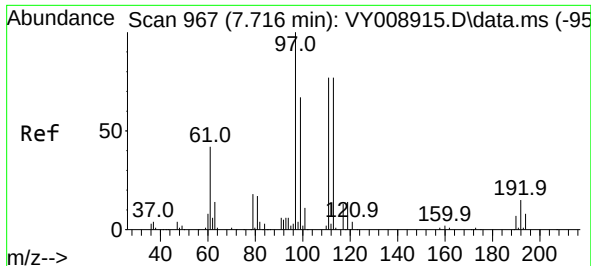
Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 13.1 0.0 31.8

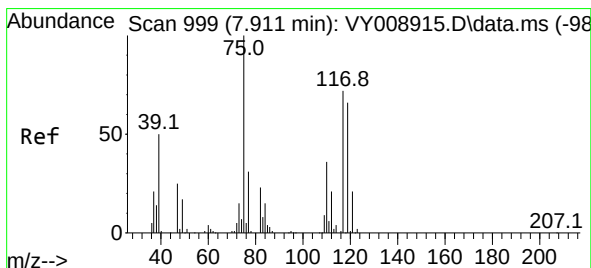
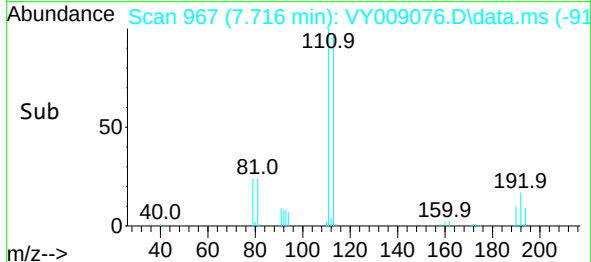
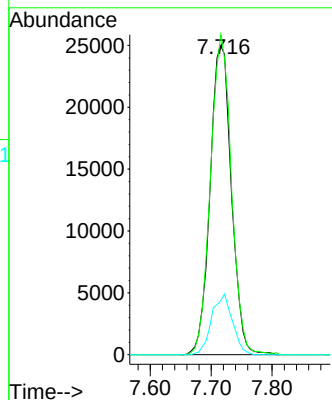
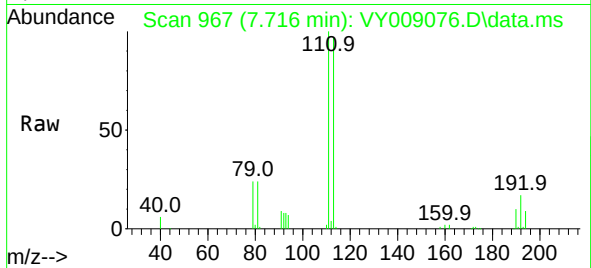




#35
Dibromofluoromethane
Concen: 51.531 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

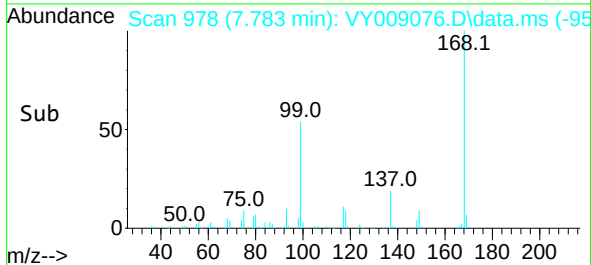
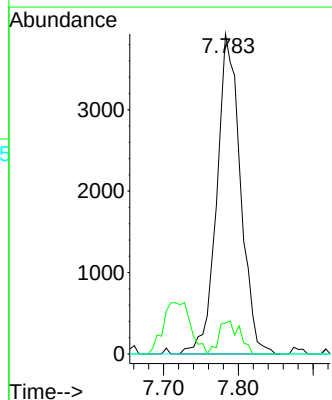
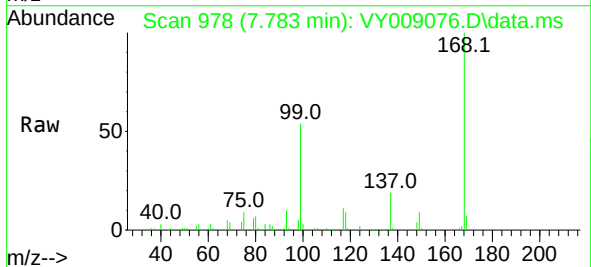
Instrument :
MSVOA_Y
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SB-11(0.5-1)

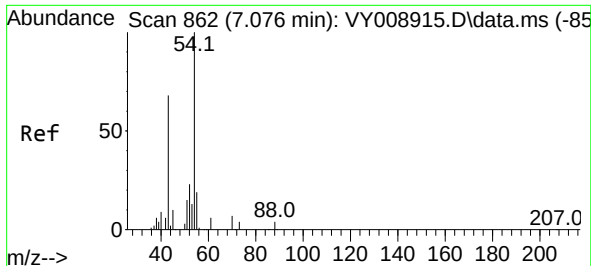
Tgt Ion:113 Resp: 60801
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.308 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

Tgt Ion: 75 Resp: 8651
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.051 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY009076.D

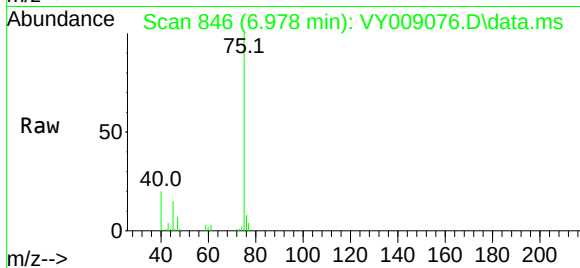
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Instrument :

MSVOA_Y

ClientSampleId :

SB-11(0.5-1)



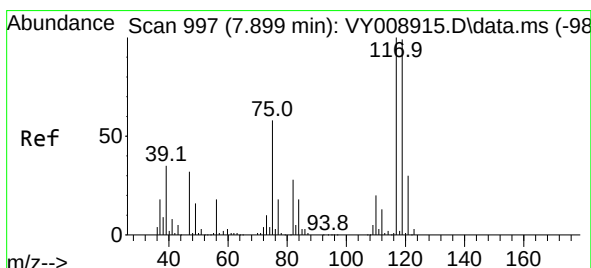
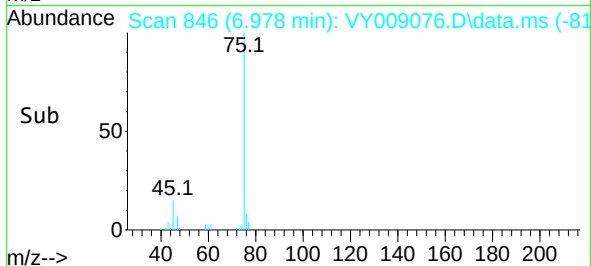
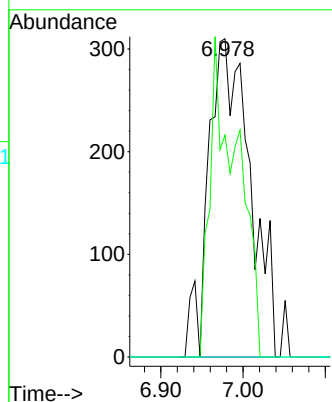
Tgt Ion: 43 Resp: 1095

Ion Ratio Lower Upper

43 100

61 39.2 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.107 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY009076.D

Acq: 24 May 2022 20:47

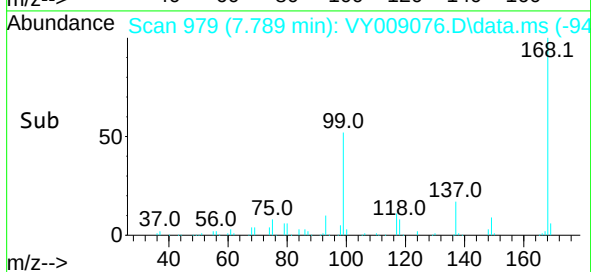
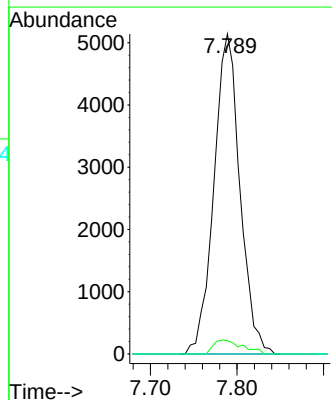
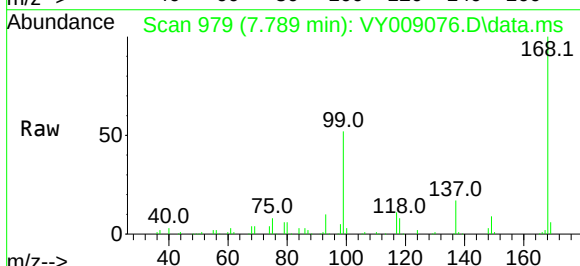
Tgt Ion: 117 Resp: 10727

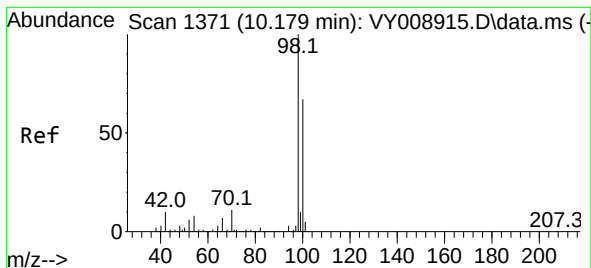
Ion Ratio Lower Upper

117 100

119 4.1 77.9 116.9#

121 0.0 24.8 37.2#

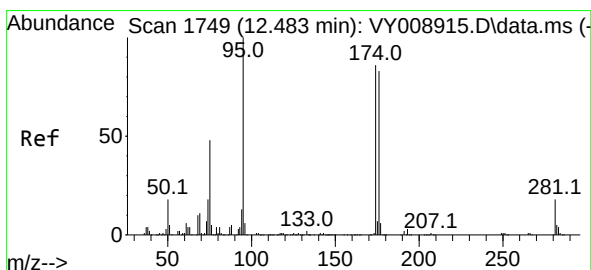
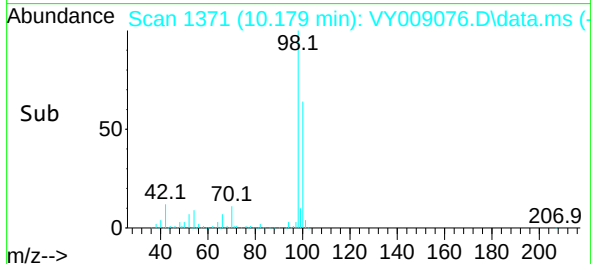
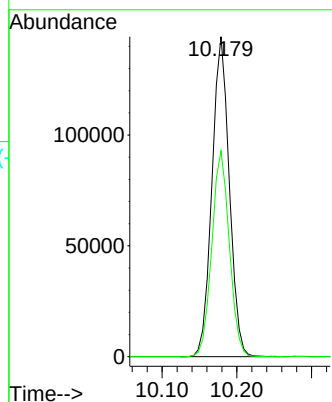
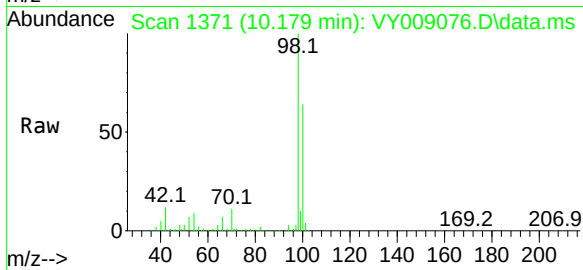




#50
Toluene-d8
Concen: 53.422 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

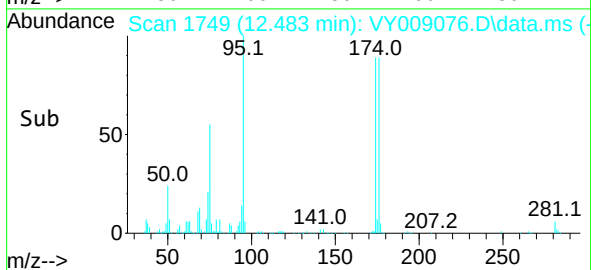
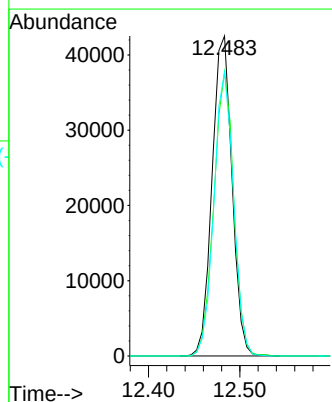
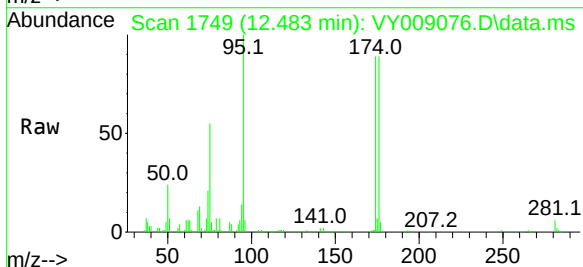
Instrument :
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SB-11(0.5-1)

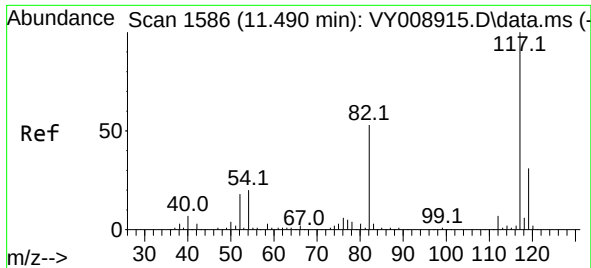
Tgt Ion: 98 Resp: 232537
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 36.613 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

Tgt Ion: 95 Resp: 64289
Ion Ratio Lower Upper
95 100
174 88.8 0.0 177.0
176 87.6 0.0 175.8

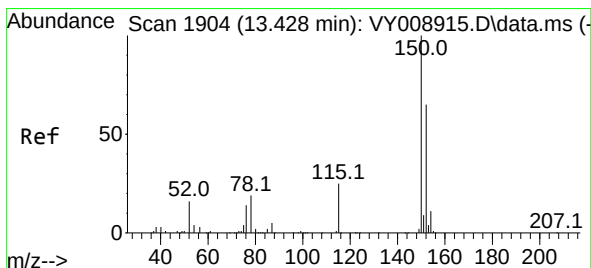
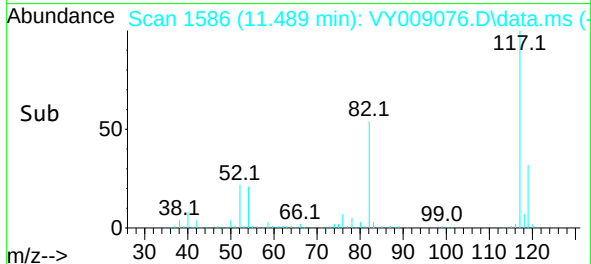
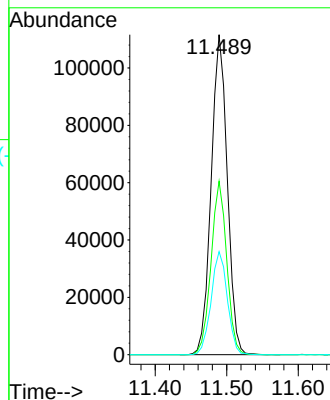
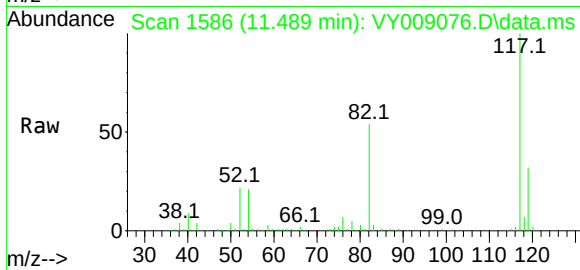




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

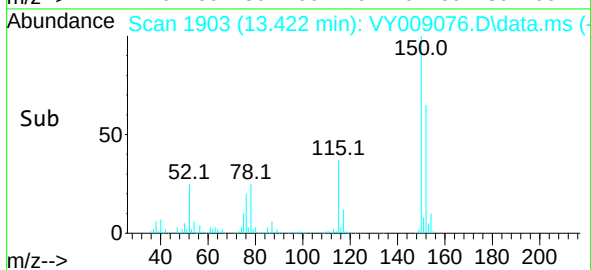
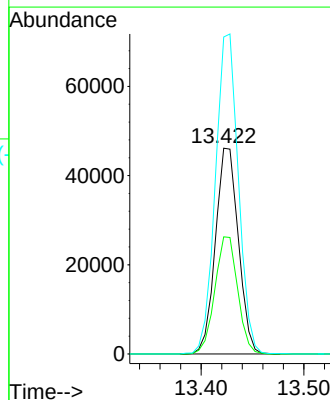
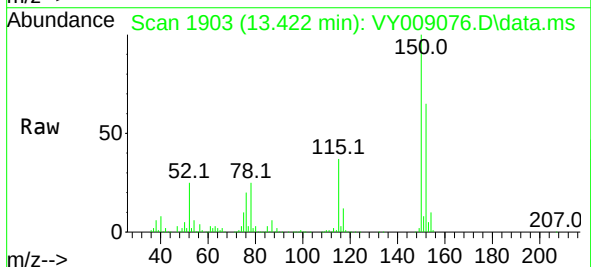
Instrument :
MSVOA_Y
ClientSampleId :
SB-11(0.5-1)

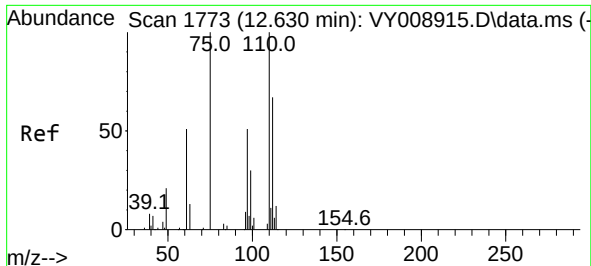
Tgt Ion:117 Resp: 174329
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

Tgt Ion:152 Resp: 71516
Ion Ratio Lower Upper
152 100
115 56.6 28.2 84.7
150 155.5 0.0 347.6

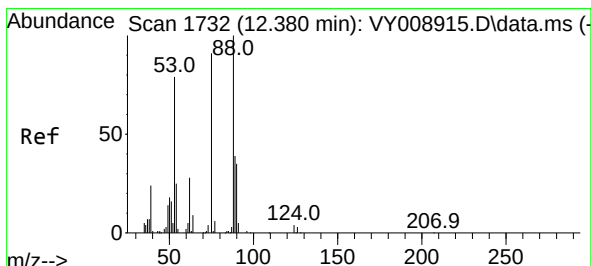
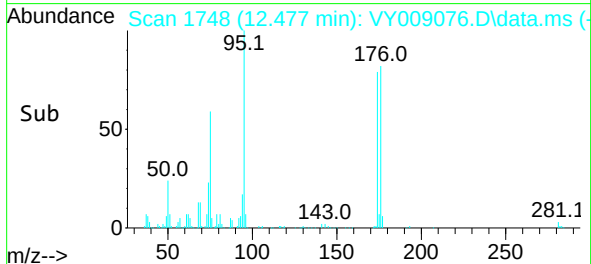
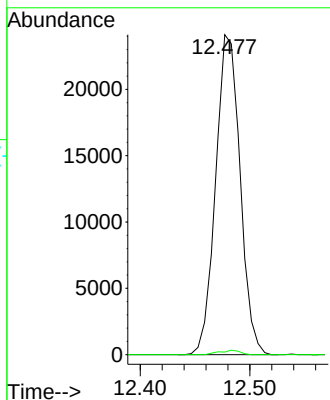
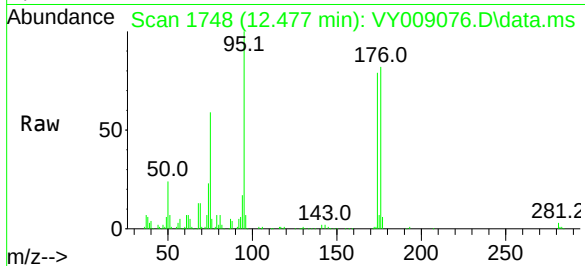




#76
1,2,3-Trichloropropane
Concen: 48.666 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

Instrument :
MSVOA_Y
ClientSampleId :
SB-11(0.5-1)

Tgt Ion: 75 Resp: 37375
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.886 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY009076.D
Acq: 24 May 2022 20:47

Tgt Ion: 75 Resp: 37375
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

