

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009451.D
 Acq On : 06 Jul 2022 14:08
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 07 01:49:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

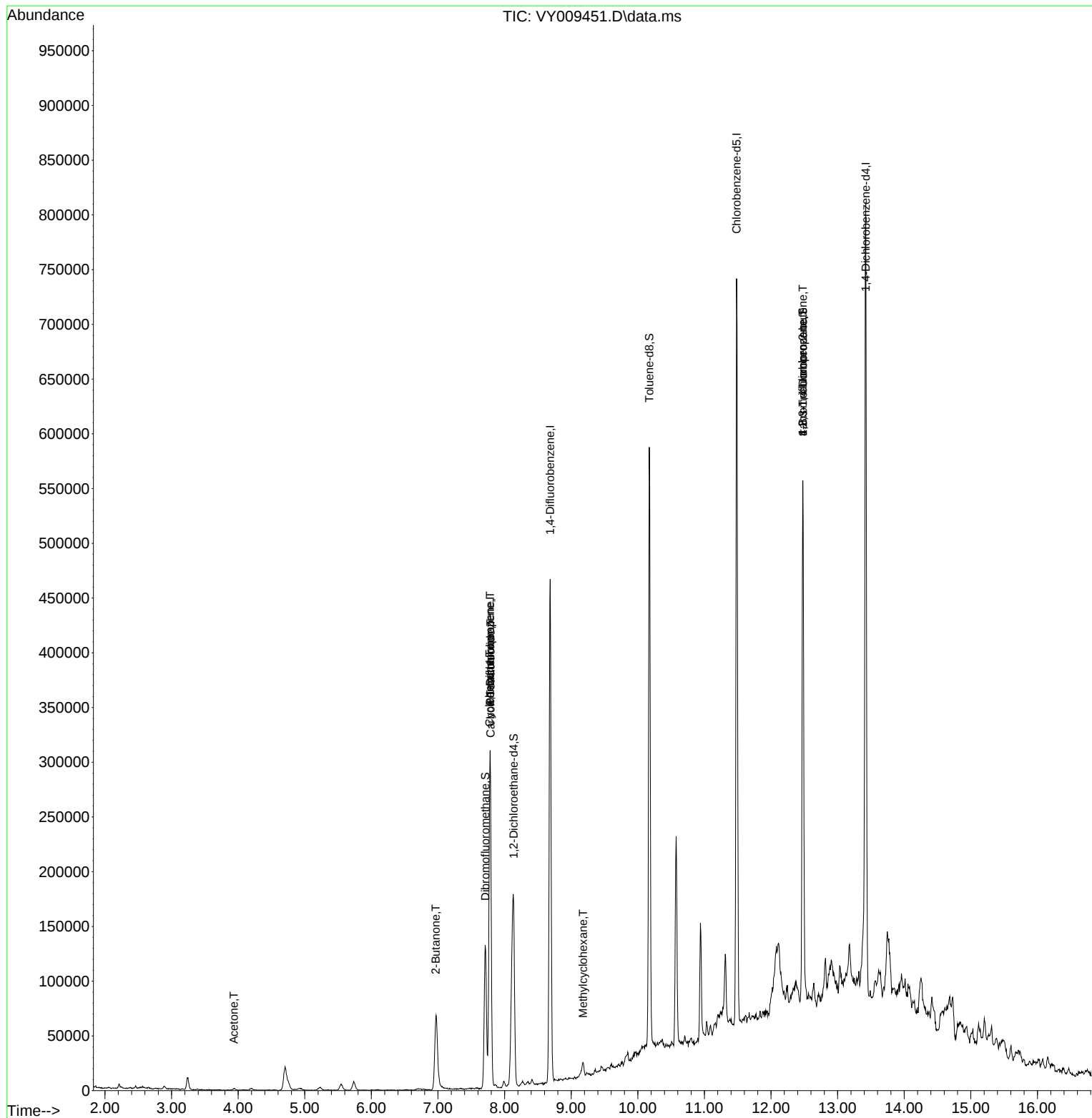
Internal Standards						
1) Pentafluorobenzene	7.783	168	245034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	403939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	380546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	184854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	106825	54.430	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.860%	
35) Dibromofluoromethane	7.710	113	93326	41.979	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.960%	
50) Toluene-d8	10.173	98	357863	52.501	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 105.000%	
62) 4-Bromofluorobenzene	12.477	95	133938	41.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 82.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	2574	Below Cal	#	82
16) Acetone	3.936	43	2573	3.992	ug/l #	89
18) Methyl Acetate	4.485	43	73	Below Cal	#	56
20) Methylene Chloride	4.704	84	14975	Below Cal		88
25) 2-Butanone	6.966	43	4101	4.013	ug/l	96
31) Cyclohexane	7.777	56	6881	1.559	ug/l #	24
36) 1,1-Dichloropropene	7.783	75	17320	4.456	ug/l #	54
38) Carbon Tetrachloride	7.789	117	23851	5.870	ug/l #	16
39) Methylcyclohexane	9.179	83	5876	1.277	ug/l	88
76) 1,2,3-Trichloropropane	12.477	75	68518	31.651	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68518	70.470	ug/l #	8

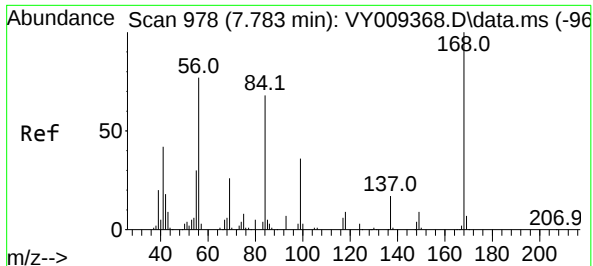
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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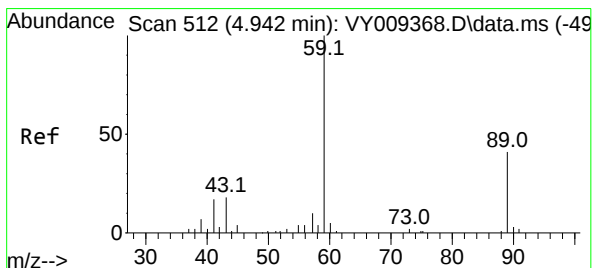
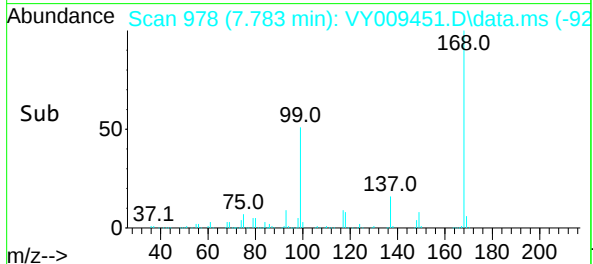
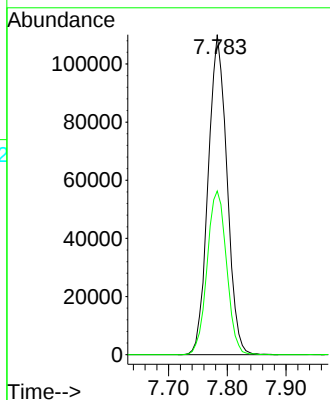
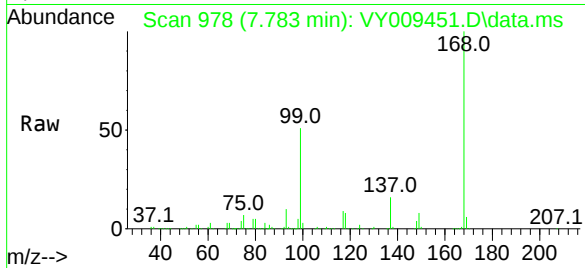




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

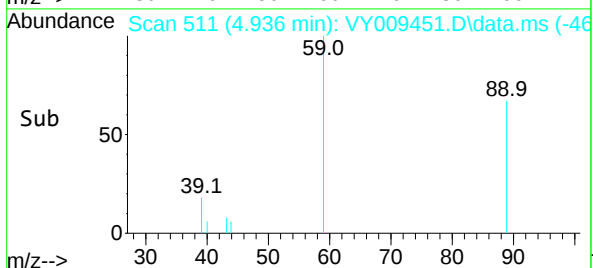
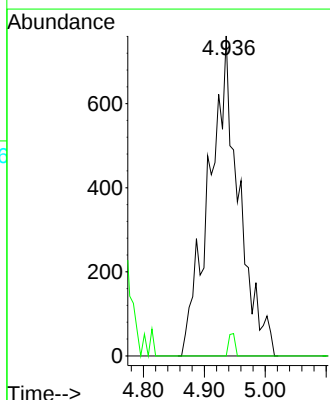
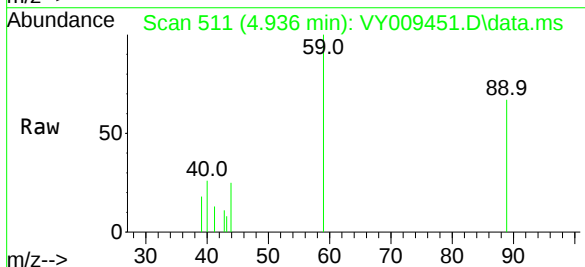
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

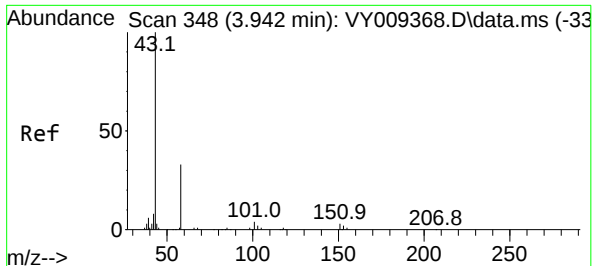
Tgt Ion:168 Resp: 245034
Ion Ratio Lower Upper
168 100
99 51.1 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

Tgt Ion: 59 Resp: 2574
Ion Ratio Lower Upper
59 100
57 1.5 6.4 9.6#

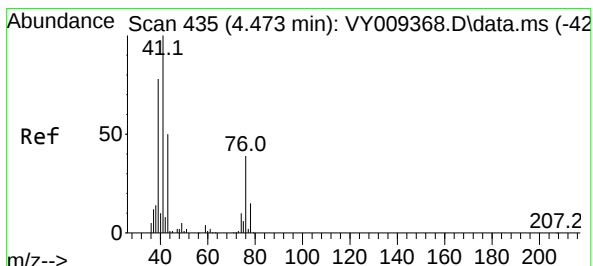
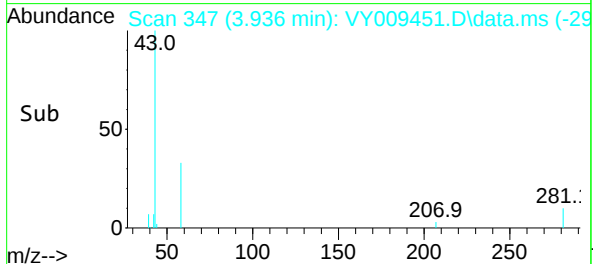
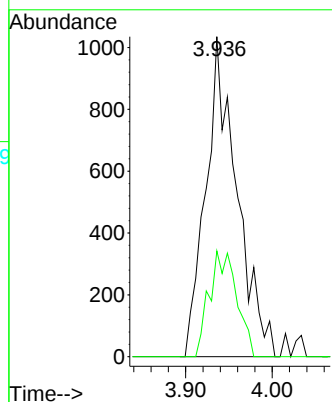
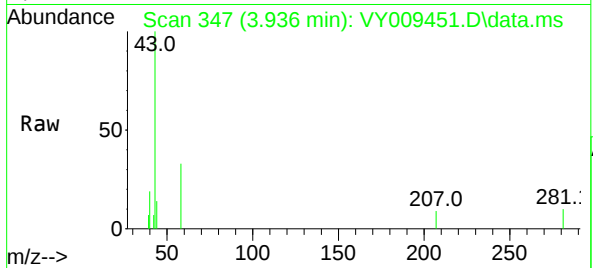




#16
Acetone
Concen: 3.992 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

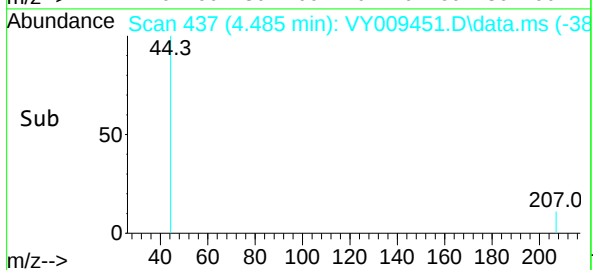
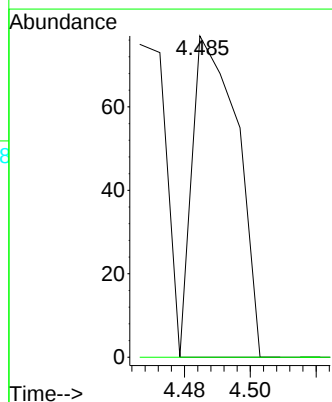
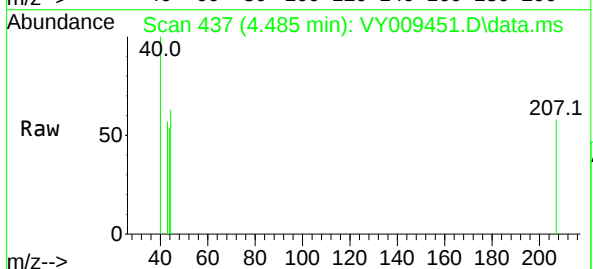
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

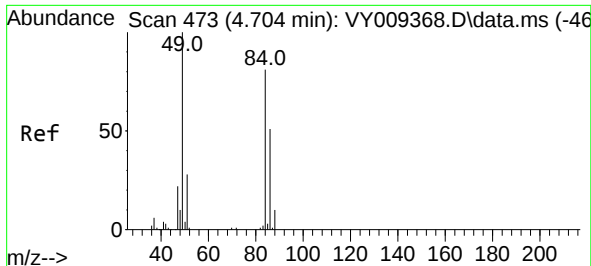
Tgt Ion: 43 Resp: 2573
Ion Ratio Lower Upper
43 100
58 33.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY009451.D

Acq: 06 Jul 2022 14:08

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 14975

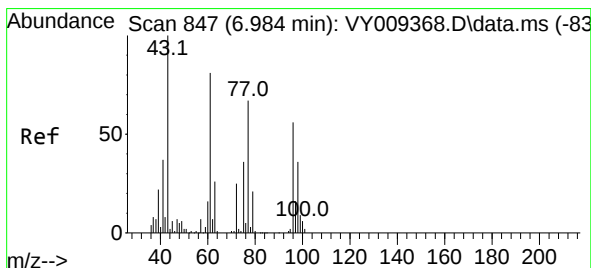
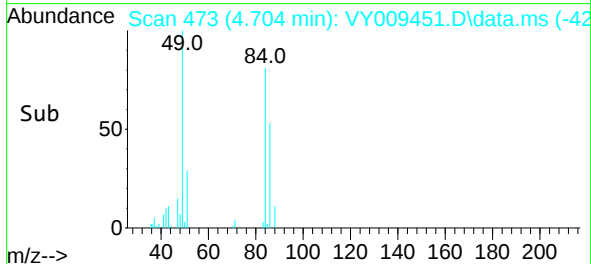
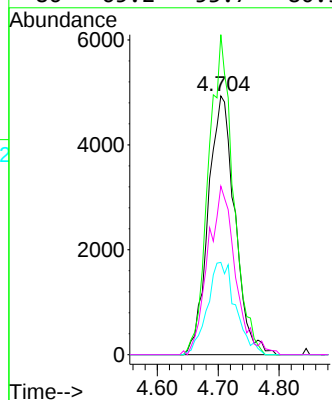
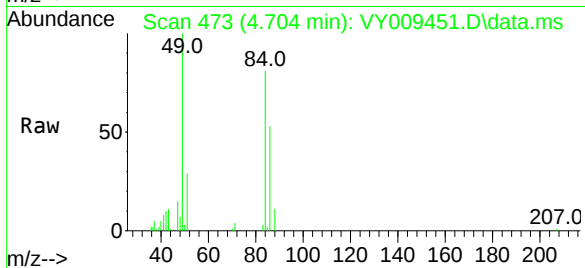
Ion Ratio Lower Upper

84 100

49 123.7 114.4 171.6

51 35.7 35.3 52.9

86 65.2 53.7 80.5



#25

2-Butanone

Concen: 4.013 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY009451.D

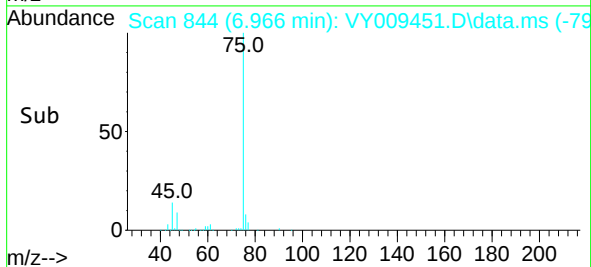
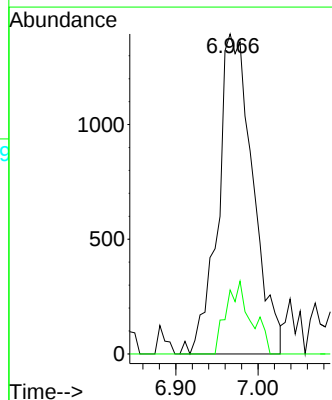
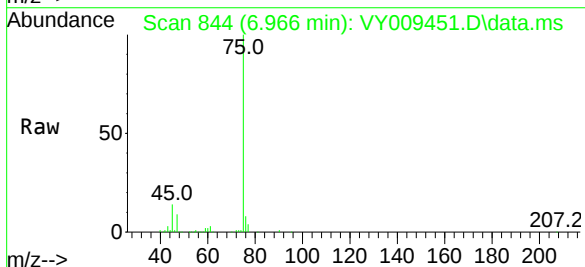
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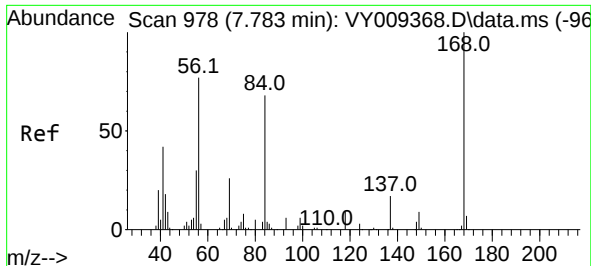
Tgt Ion: 43 Resp: 4101

Ion Ratio Lower Upper

43 100

72 20.0 17.7 26.5

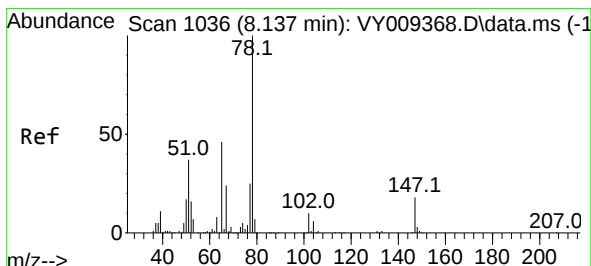
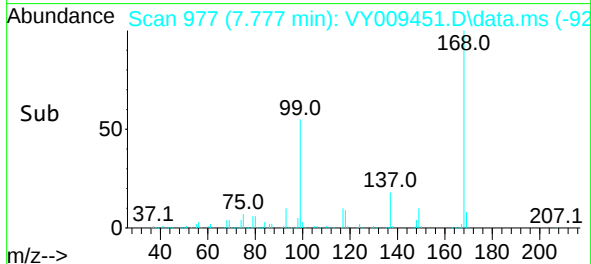
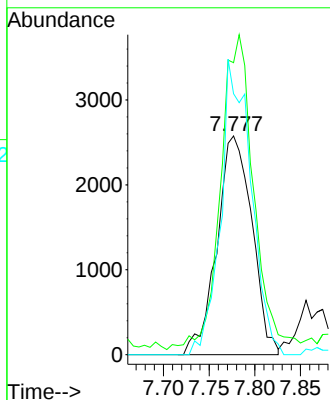
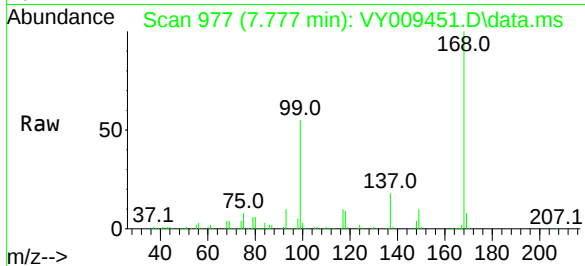




#31
Cyclohexane
Concen: 1.559 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

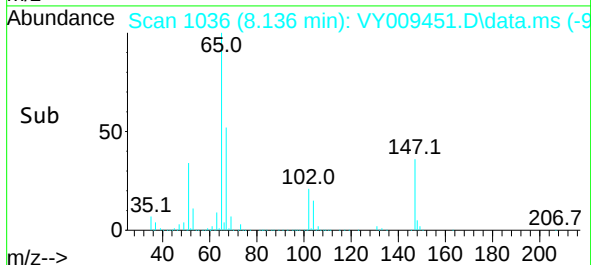
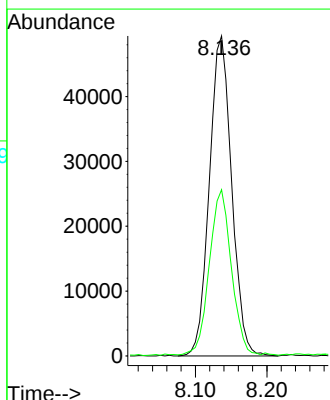
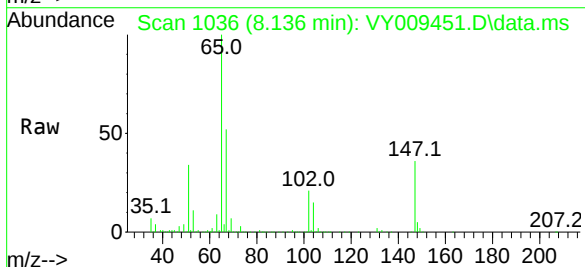
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

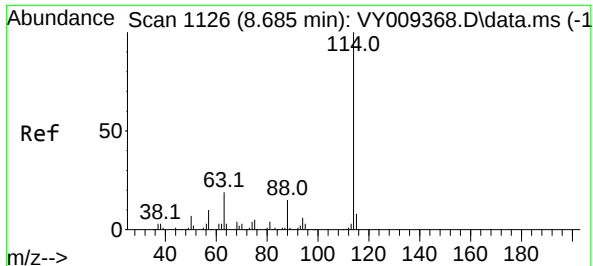
Tgt Ion: 56 Resp: 6881
Ion Ratio Lower Upper
56 100
69 129.3 26.7 40.1#
84 119.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.430 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

Tgt Ion: 65 Resp: 106825
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009451.D

Acq: 06 Jul 2022 14:08

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

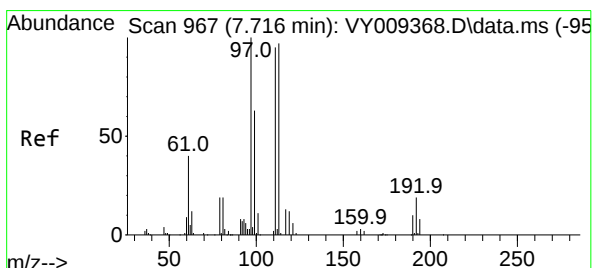
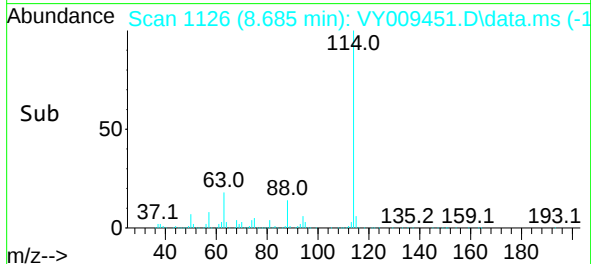
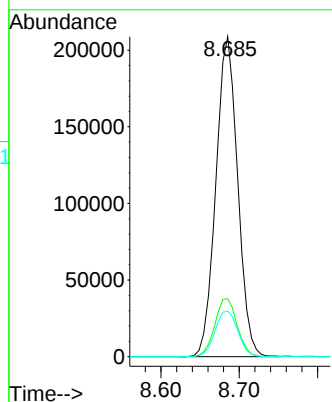
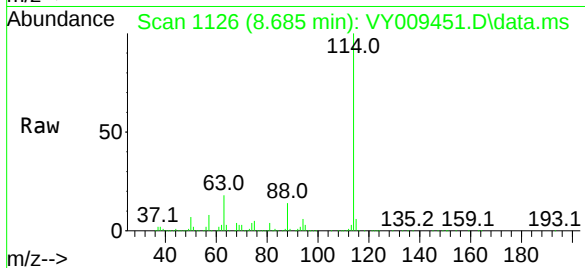
Tgt Ion:114 Resp: 403939

Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 41.979 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009451.D

Acq: 06 Jul 2022 14:08

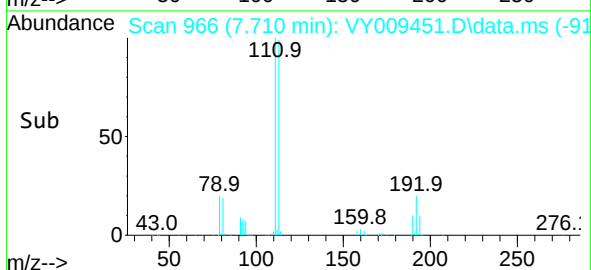
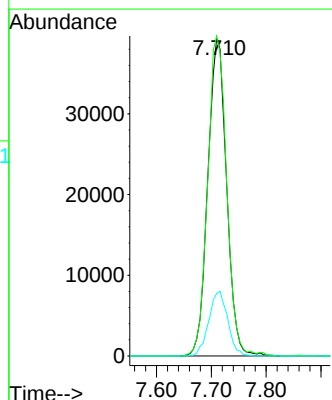
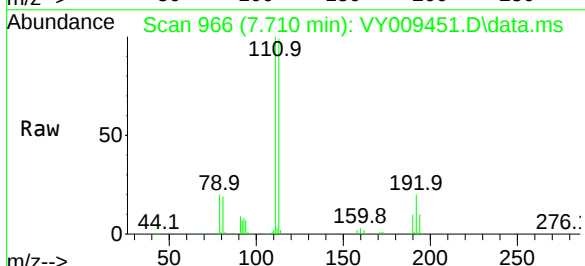
Tgt Ion:113 Resp: 93326

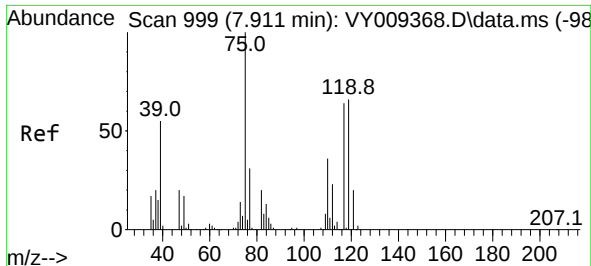
Ion Ratio Lower Upper

113 100

111 101.7 82.6 124.0

192 20.6 17.6 26.4

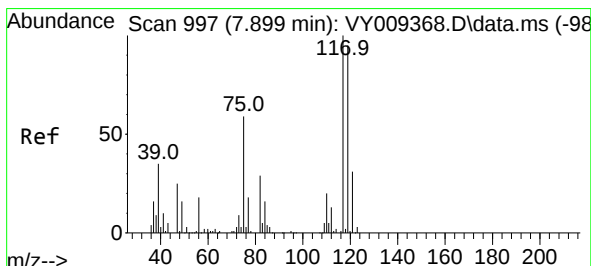
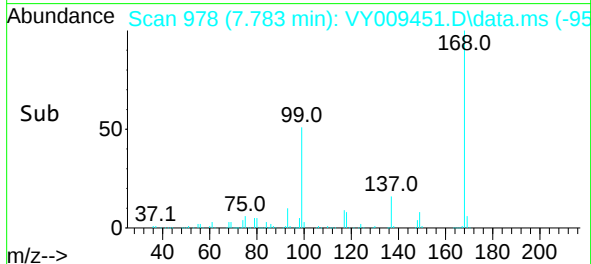
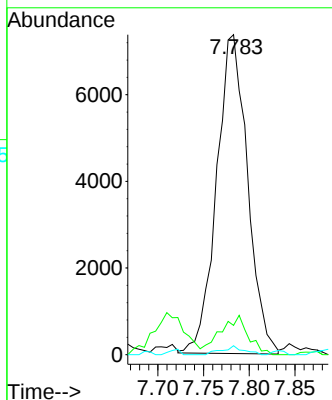
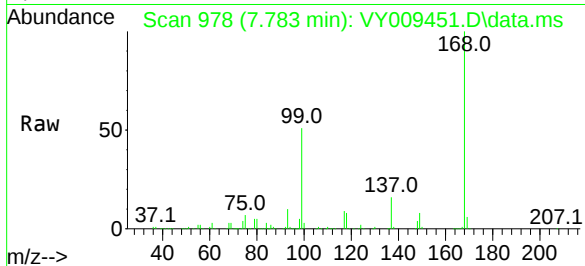




#36
1,1-Dichloropropene
Concen: 4.456 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

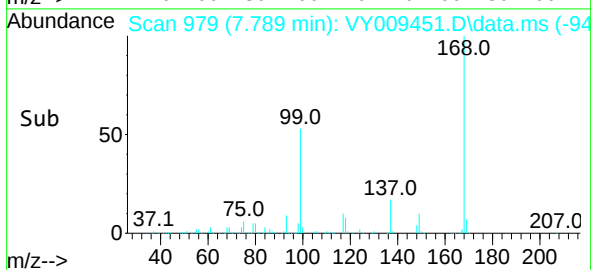
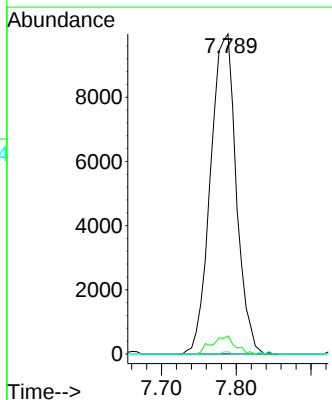
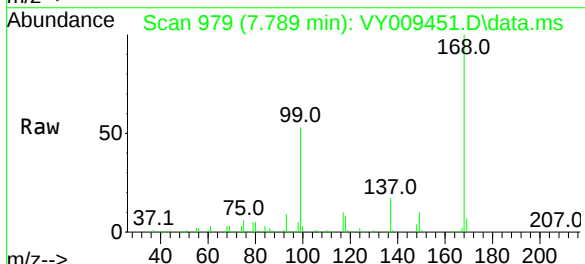
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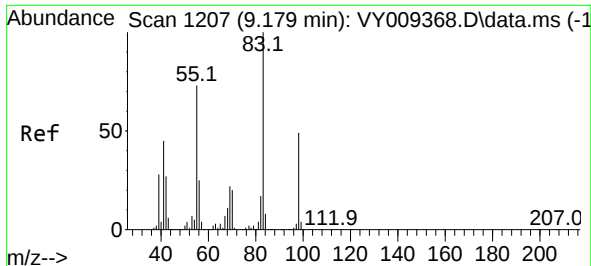
Tgt Ion: 75 Resp: 17320
Ion Ratio Lower Upper
75 100
110 11.2 17.1 51.2#
77 1.9 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.870 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

Tgt Ion: 117 Resp: 23851
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.8 24.8 37.2#

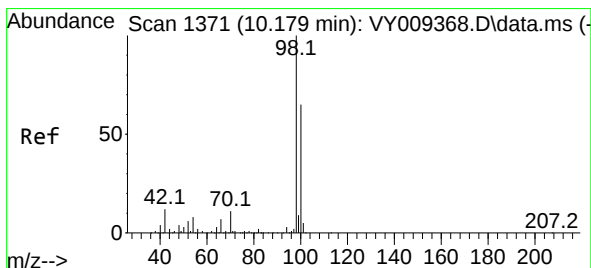
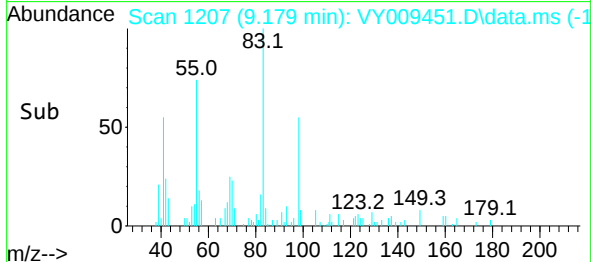
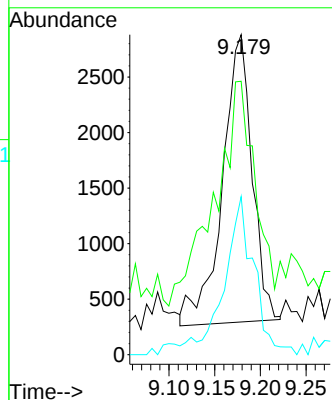
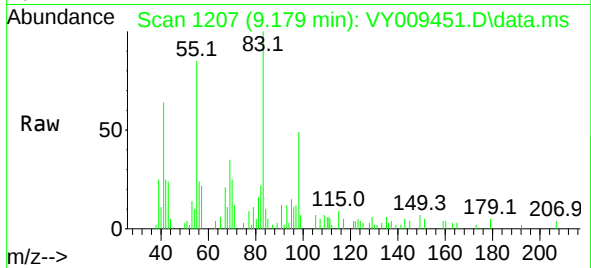




#39
Methylcyclohexane
Concen: 1.277 ug/l
RT: 9.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

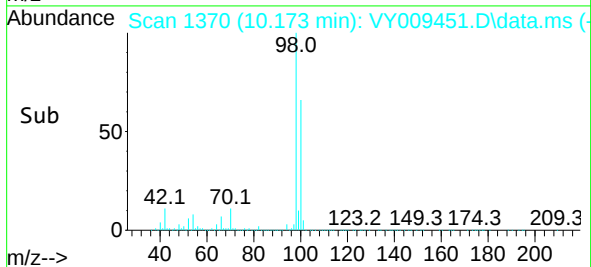
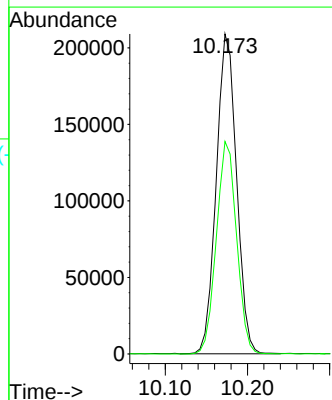
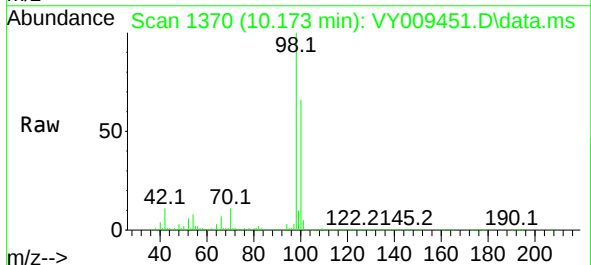
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

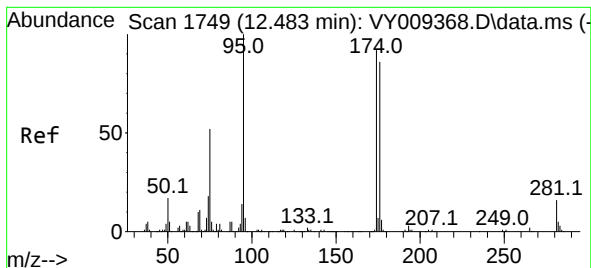
Tgt Ion: 83 Resp: 5876
Ion Ratio Lower Upper
83 100
55 71.3 66.5 99.7
98 53.3 37.9 56.9



#50
Toluene-d8
Concen: 52.501 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

Tgt Ion: 98 Resp: 357863
Ion Ratio Lower Upper
98 100
100 66.3 50.2 75.2

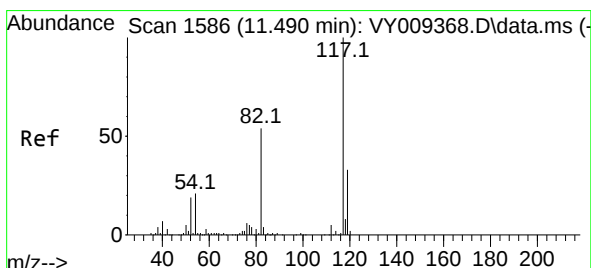
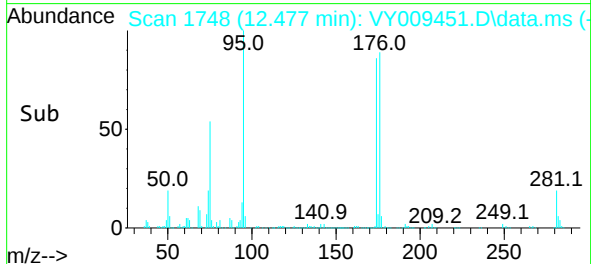
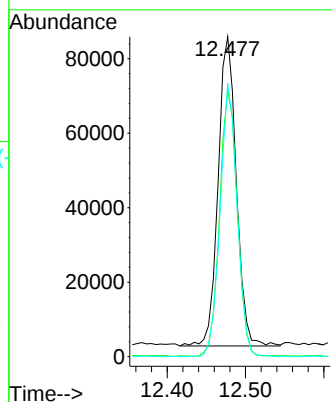
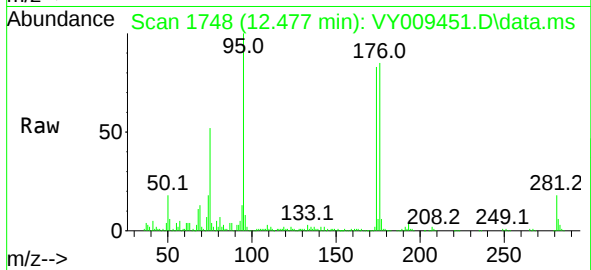




#62
4-Bromofluorobenzene
Concen: 41.432 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

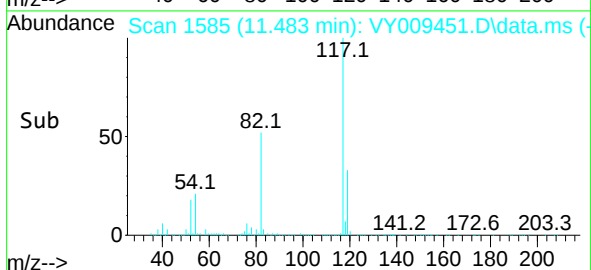
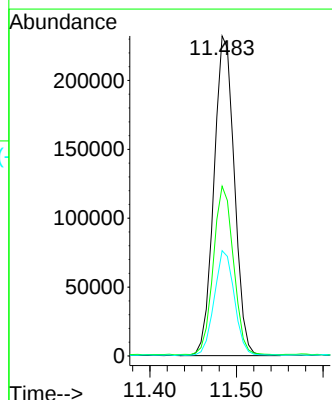
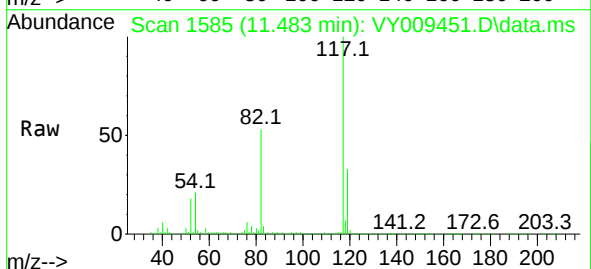
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

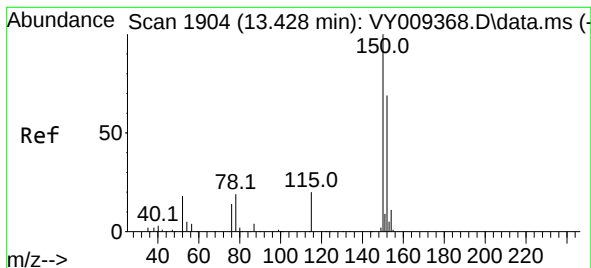
Tgt Ion: 95 Resp: 133938
Ion Ratio Lower Upper
95 100
174 84.0 0.0 177.0
176 82.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.007 min
Lab File: VY009451.D
Acq: 06 Jul 2022 14:08

Tgt Ion: 117 Resp: 380546
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 32.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY009451.D

Acq: 06 Jul 2022 14:08

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

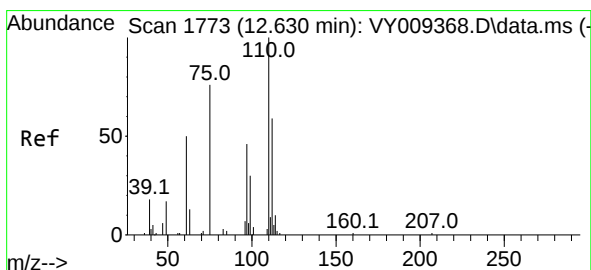
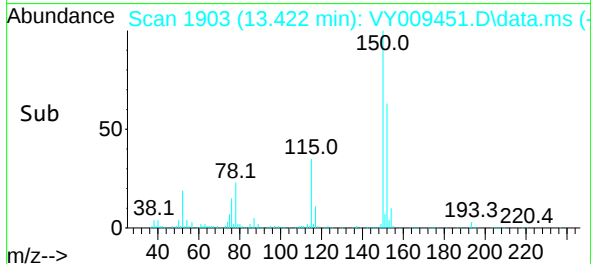
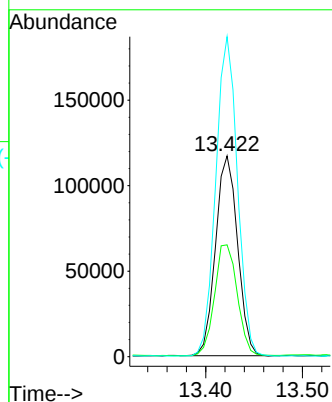
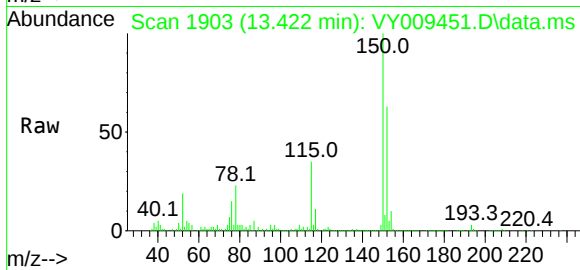
Tgt Ion:152 Resp: 184854

Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.7

150 157.2 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 31.651 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY009451.D

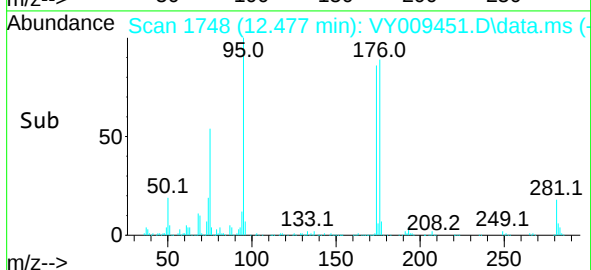
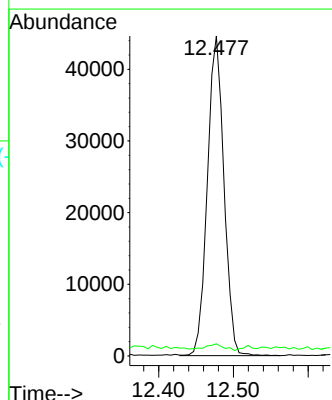
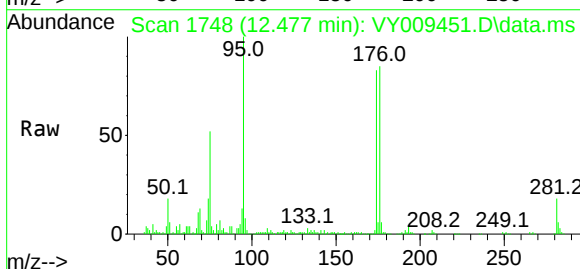
Acq: 06 Jul 2022 14:08

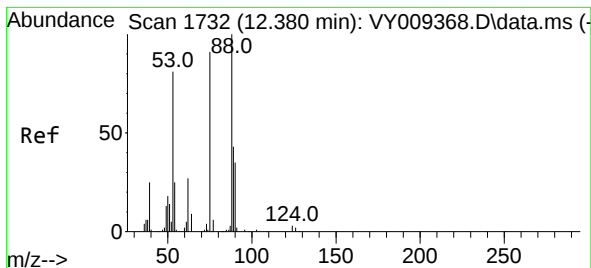
Tgt Ion: 75 Resp: 68518

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.470 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY009451.D
 Acq: 06 Jul 2022 14:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 68518
 Ion Ratio Lower Upper
 75 100
 53 1.0 85.3 127.9#
 89 0.9 37.0 55.4#

