

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081222\
 Data File : VY009989.D
 Acq On : 12 Aug 2022 16:07
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 13 02:56:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 13 02:54:57 2022
 Response via : Initial Calibration

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

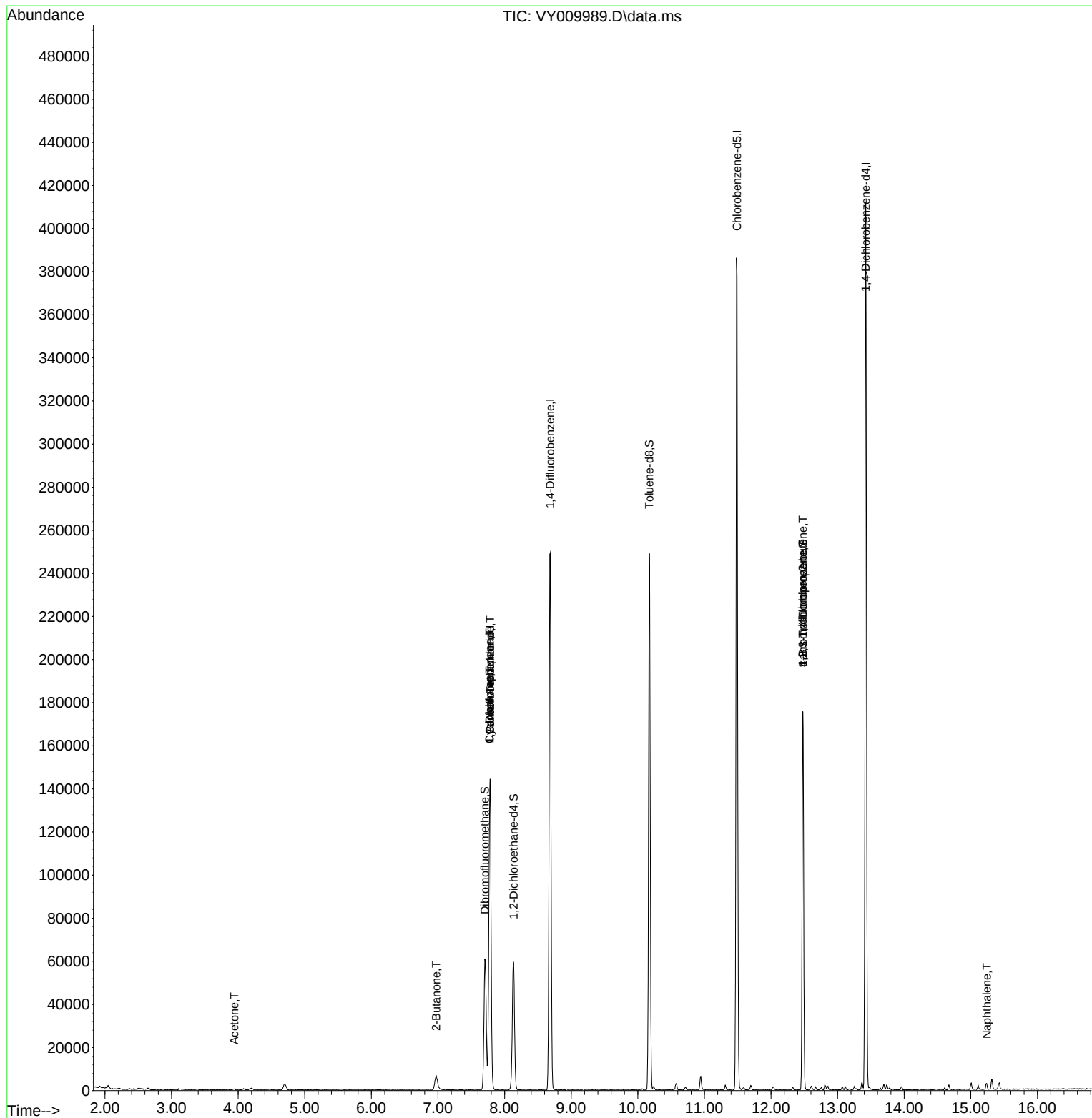
Internal Standards						
1) Pentafluorobenzene	7.783	168	111892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	220832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	45423	40.019	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.040%		
35) Dibromofluoromethane	7.704	113	44822	33.163	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	66.320%		
50) Toluene-d8	10.173	98	166313	32.114	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	64.220%		
62) 4-Bromofluorobenzene	12.477	95	59267	31.235	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	62.480%		
Target Compounds						Qvalue
5) Bromomethane	2.650	94	309	Below Cal		96
11) Tert butyl alcohol	4.936	59	211	Below Cal	#	78
16) Acetone	3.942	43	727	2.667	ug/l	95
18) Methyl Acetate	4.460	43	398	Below Cal	#	90
20) Methylene Chloride	4.698	84	2285	Below Cal	#	76
25) 2-Butanone	6.972	43	524	1.239	ug/l	# 48
31) Cyclohexane	7.777	56	2151	1.059	ug/l	# 1
36) 1,1-Dichloropropene	7.777	75	8501	4.224	ug/l	# 49
38) Carbon Tetrachloride	7.783	117	11364	5.658	ug/l	# 18
76) 1,2,3-Trichloropropane	12.477	75	27642	23.282	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	27642	50.610	ug/l	# 13
95) Naphthalene	15.239	128	2793	3.716	ug/l	# 94

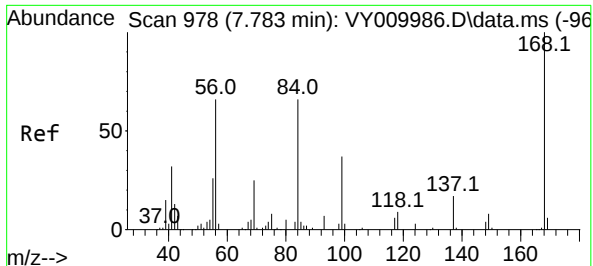
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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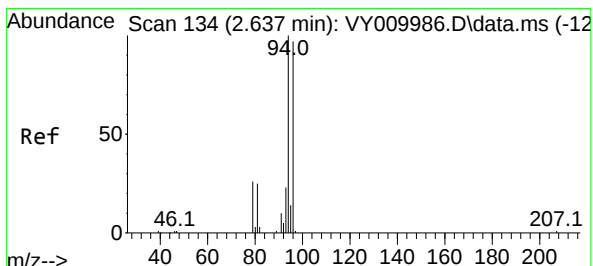
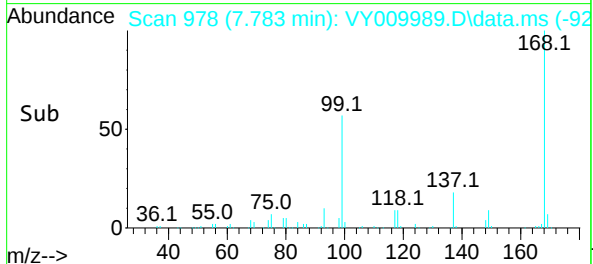
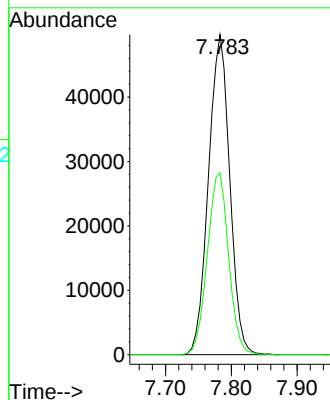
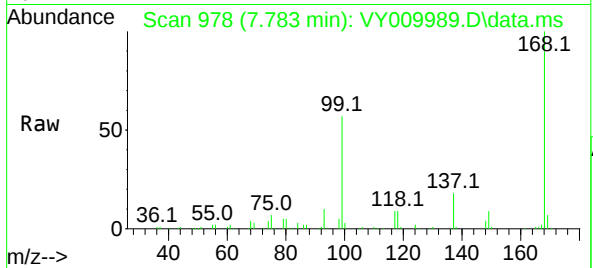




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009989.D
Acq: 12 Aug 2022 16:07

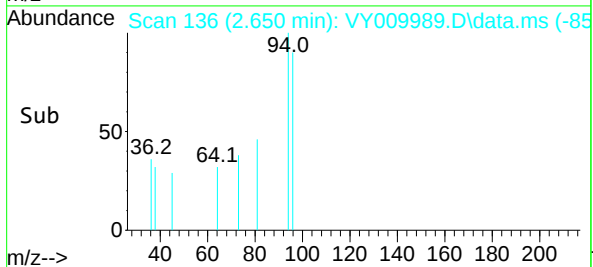
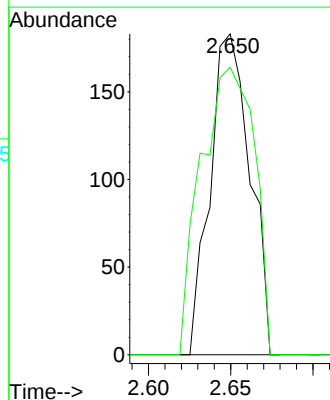
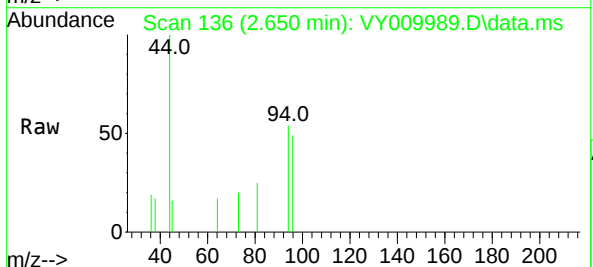
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

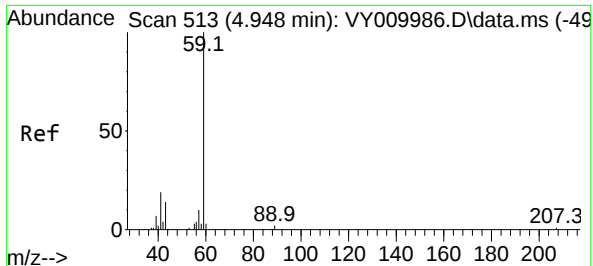
Tgt Ion:168 Resp: 111892
Ion Ratio Lower Upper
168 100
99 56.8 42.1 63.1



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY009989.D
Acq: 12 Aug 2022 16:07

Tgt Ion: 94 Resp: 309
Ion Ratio Lower Upper
94 100
96 89.6 74.6 111.8





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY009989.D

Acq: 12 Aug 2022 16:07

Instrument :

MSVOA_Y

ClientSampleId :

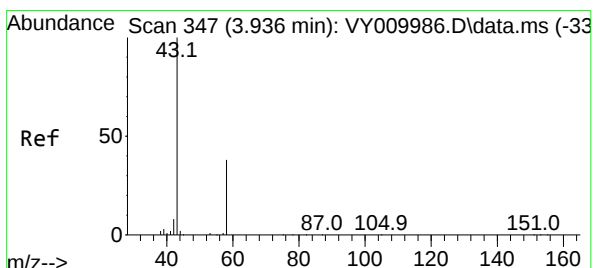
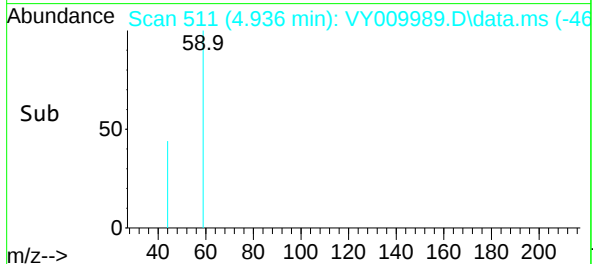
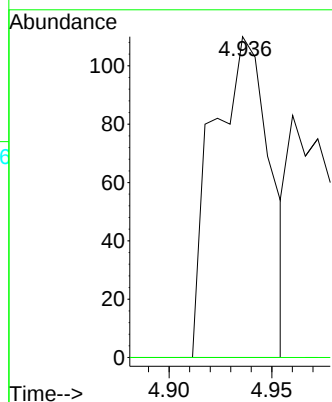
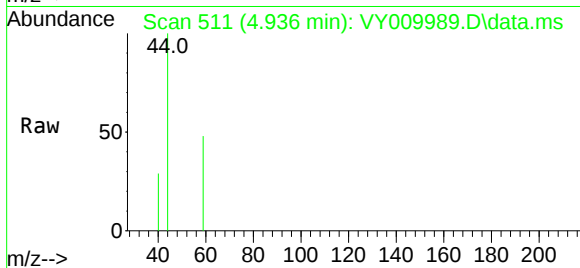
VIBLK

Tgt Ion: 59 Resp: 211

Ion Ratio Lower Upper

59 100

57 0.0 6.3 9.5#



#16

Acetone

Concen: 2.667 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY009989.D

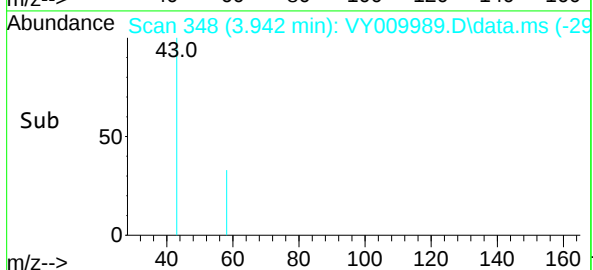
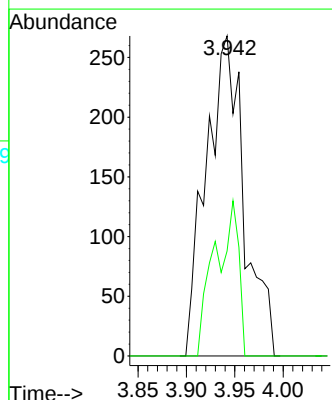
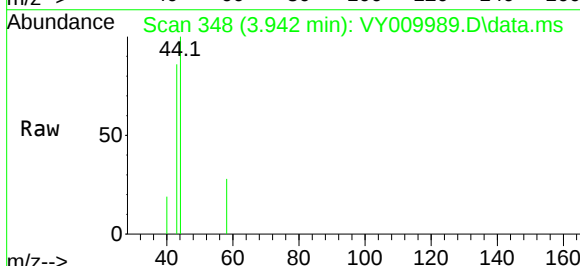
Acq: 12 Aug 2022 16:07

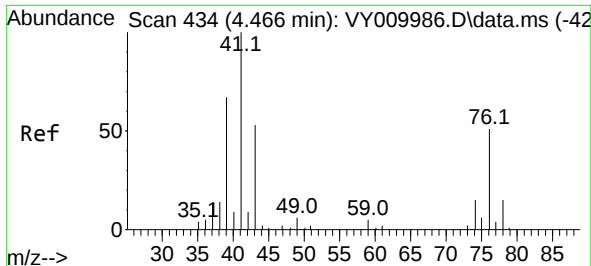
Tgt Ion: 43 Resp: 727

Ion Ratio Lower Upper

43 100

58 32.8 24.0 36.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.460 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY009989.D

Acq: 12 Aug 2022 16:07

Instrument :

MSVOA_Y

ClientSampleId :

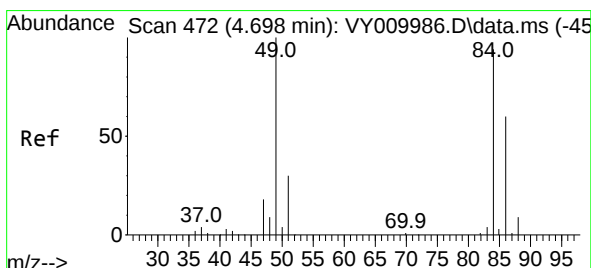
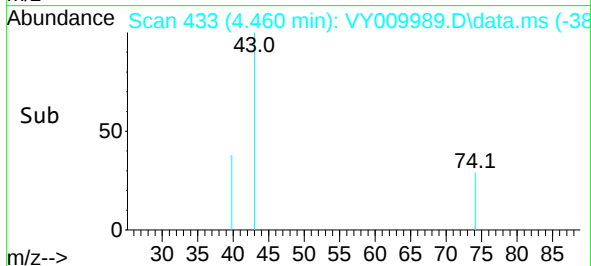
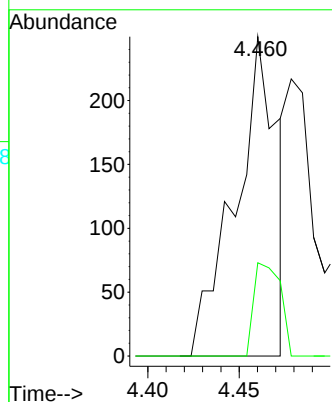
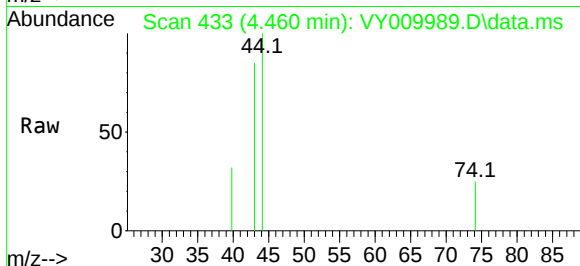
VIBLK

Tgt Ion: 43 Resp: 398

Ion Ratio Lower Upper

43 100

74 18.6 18.8 28.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.000 min

Lab File: VY009989.D

Acq: 12 Aug 2022 16:07

Tgt Ion: 84 Resp: 2285

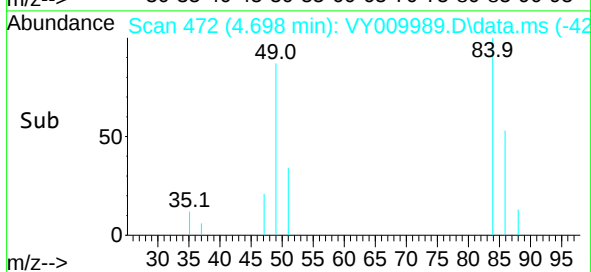
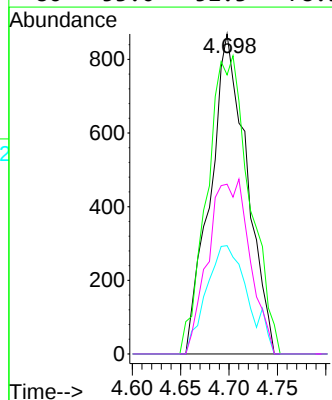
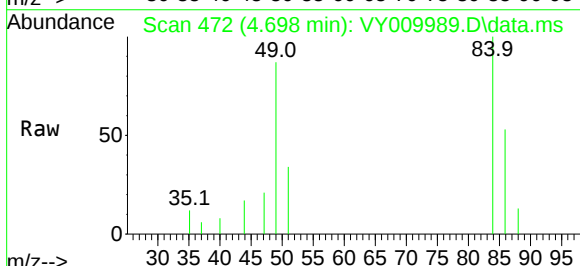
Ion Ratio Lower Upper

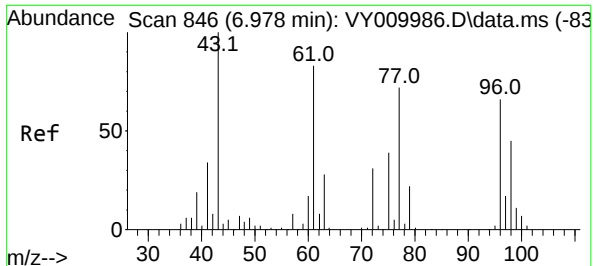
84 100

49 87.2 98.2 147.4#

51 33.8 33.4 50.0

86 53.0 52.3 78.5





#25

2-Butanone

Concen: 1.239 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY009989.D

Acq: 12 Aug 2022 16:07

Instrument :

MSVOA_Y

ClientSampleId :

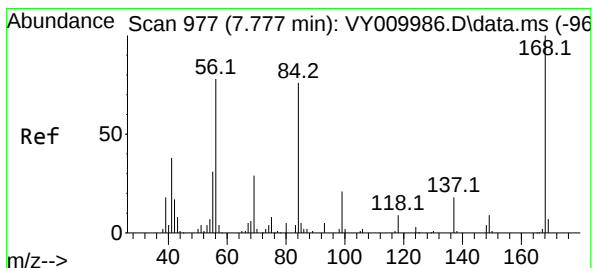
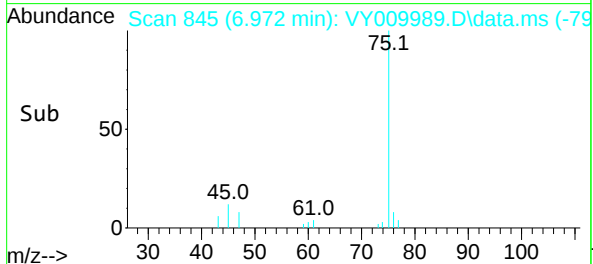
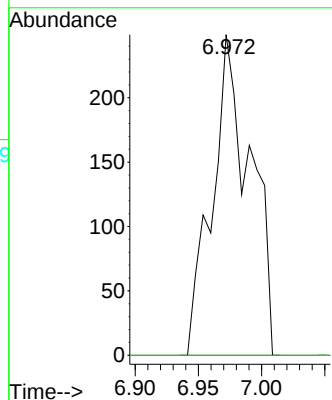
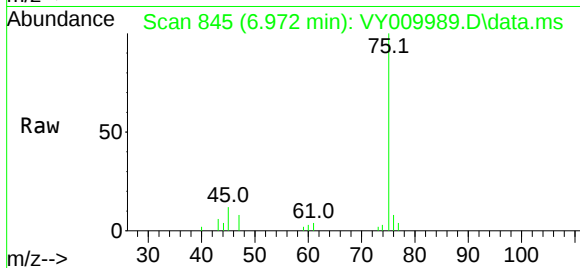
VIBLK

Tgt Ion: 43 Resp: 524

Ion Ratio Lower Upper

43 100

72 0.0 21.5 32.3#



#31

Cyclohexane

Concen: 1.059 ug/l

RT: 7.777 min Scan# 977

Delta R.T. 0.000 min

Lab File: VY009989.D

Acq: 12 Aug 2022 16:07

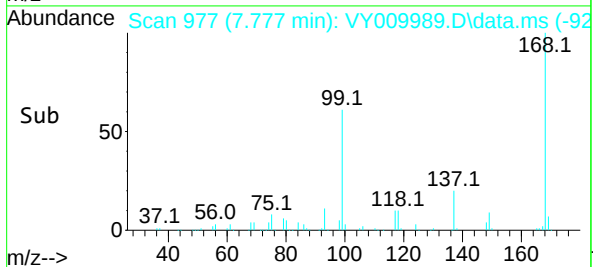
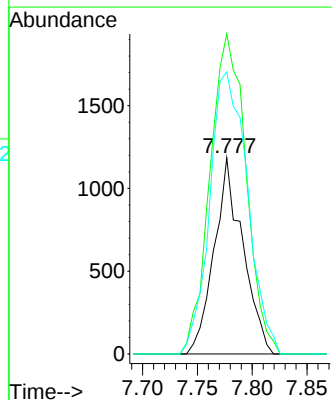
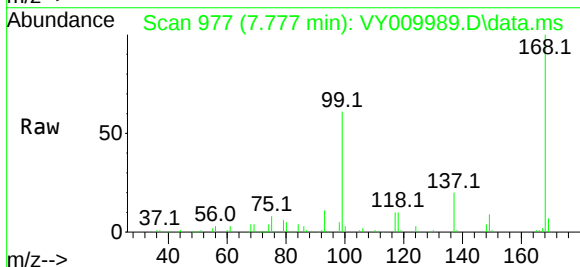
Tgt Ion: 56 Resp: 2151

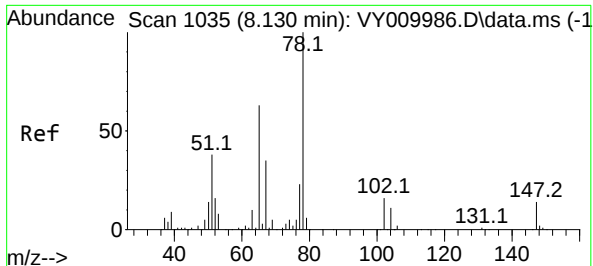
Ion Ratio Lower Upper

56 100

69 163.1 26.0 39.0#

84 143.8 69.5 104.3#





#33

1,2-Dichloroethane-d4

Concen: 40.019 ug/l

RT: 8.136 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY009989.D

Acq: 12 Aug 2022 16:07

Instrument :

MSVOA_Y

ClientSampleId :

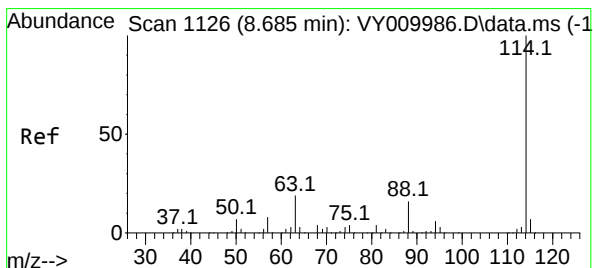
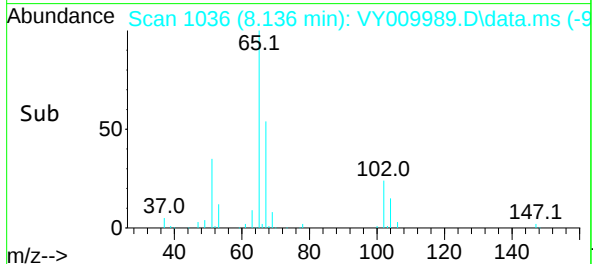
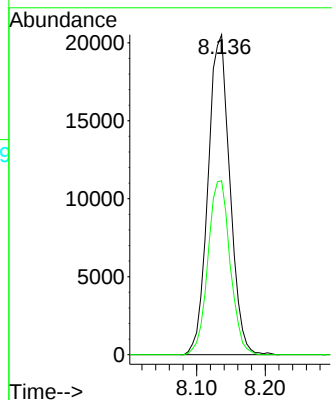
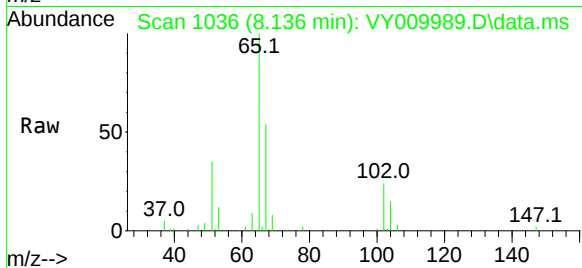
VIBLK

Tgt Ion: 65 Resp: 45423

Ion Ratio Lower Upper

65 100

67 55.1 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009989.D

Acq: 12 Aug 2022 16:07

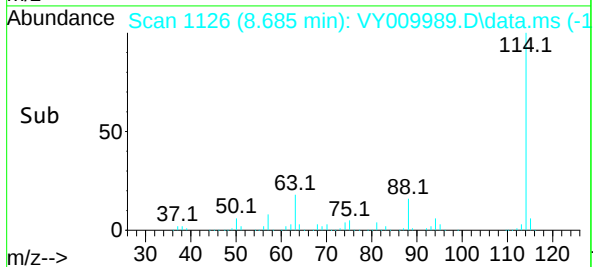
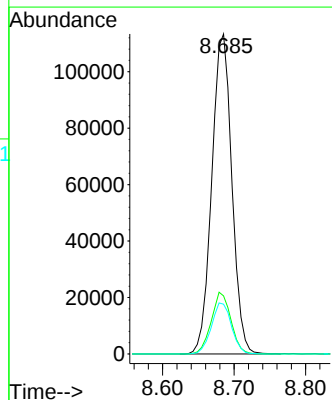
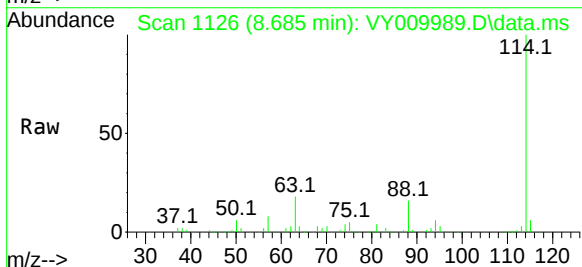
Tgt Ion: 114 Resp: 220832

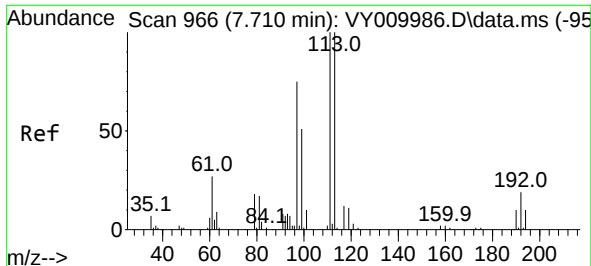
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.0

88 15.5 0.0 30.0

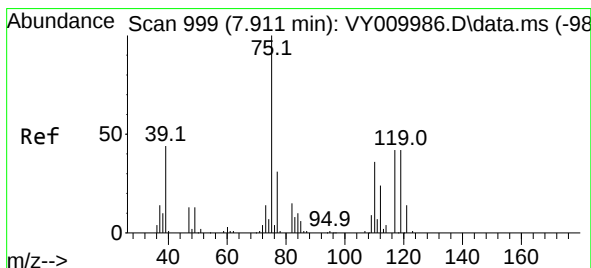
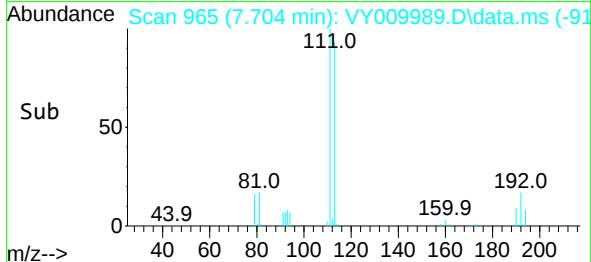
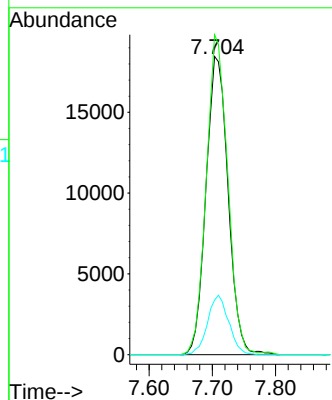
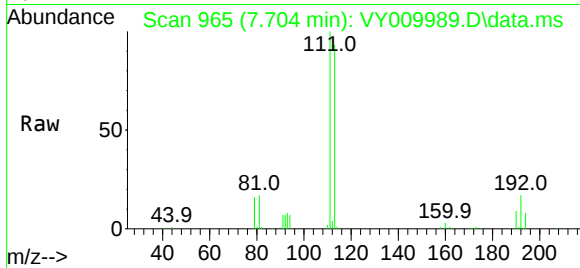




#35
Dibromofluoromethane
Concen: 33.163 ug/l
RT: 7.704 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY009989.D
Acq: 12 Aug 2022 16:07

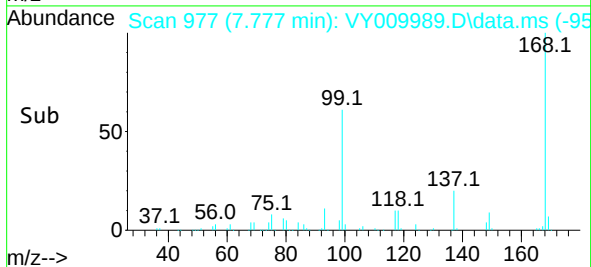
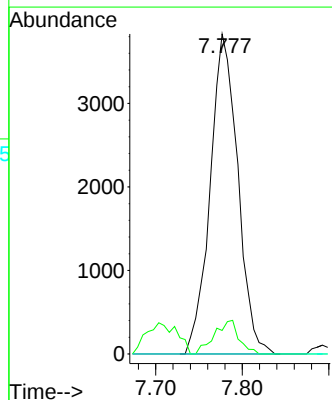
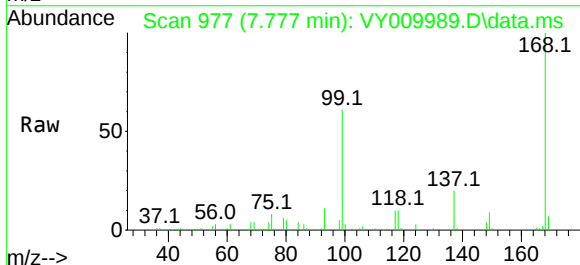
Instrument :
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VIBLK

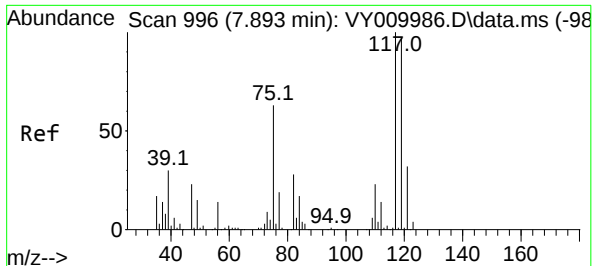
Tgt Ion:113 Resp: 44822
Ion Ratio Lower Upper
113 100
111 104.1 80.6 120.8
192 19.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.224 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009989.D
Acq: 12 Aug 2022 16:07

Tgt Ion: 75 Resp: 8501
Ion Ratio Lower Upper
75 100
110 9.3 18.6 56.0#
77 0.0 25.0 37.4#

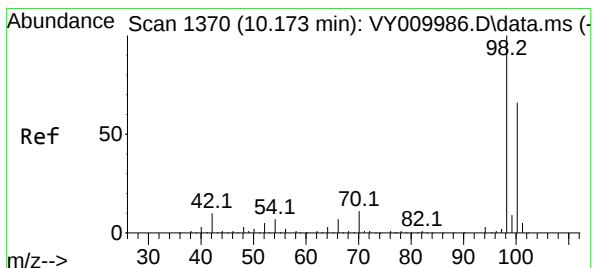
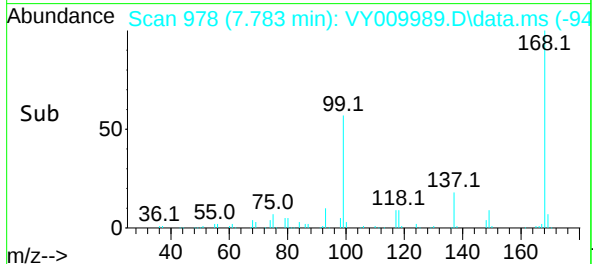
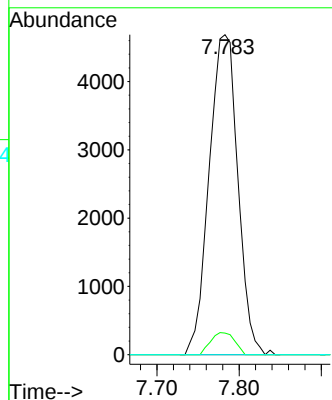
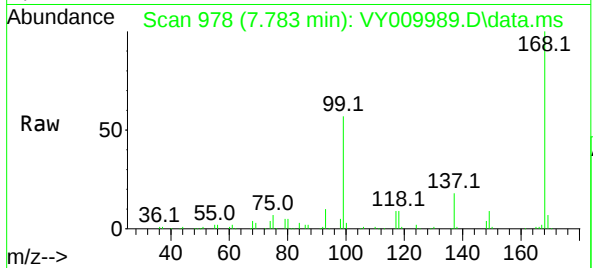




#38
Carbon Tetrachloride
Concen: 5.658 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009989.D
Acq: 12 Aug 2022 16:07

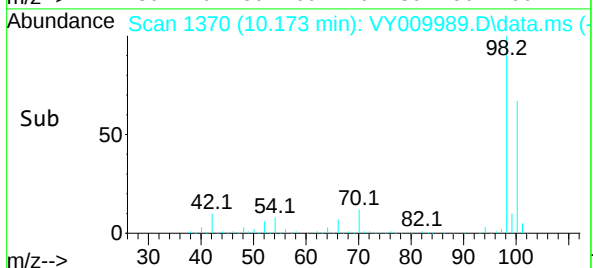
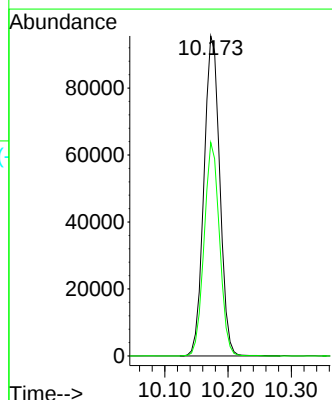
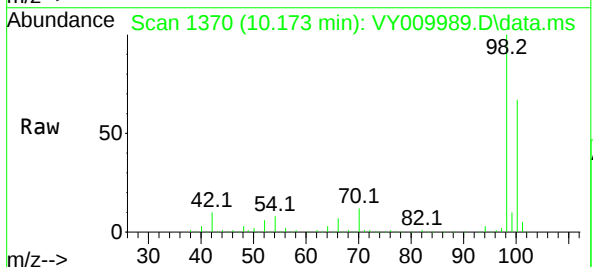
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

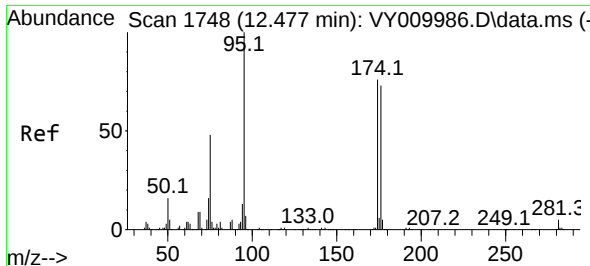
Tgt Ion:117 Resp: 11364
Ion Ratio Lower Upper
117 100
119 6.8 75.9 113.9#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 32.114 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY009989.D
Acq: 12 Aug 2022 16:07

Tgt Ion: 98 Resp: 166313
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3

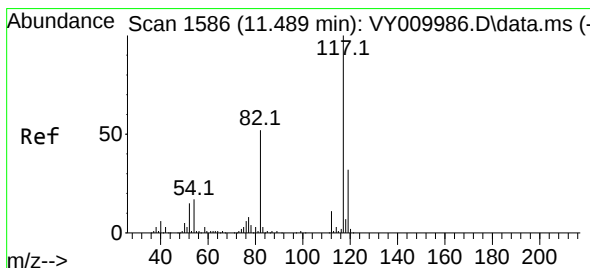
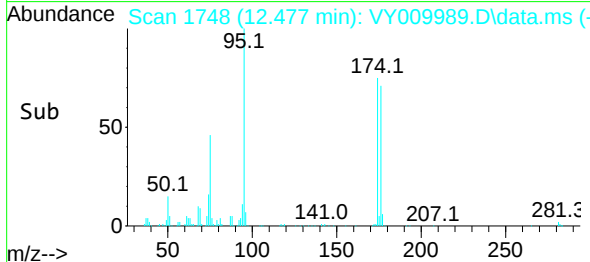
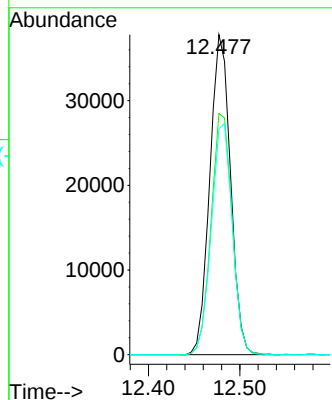
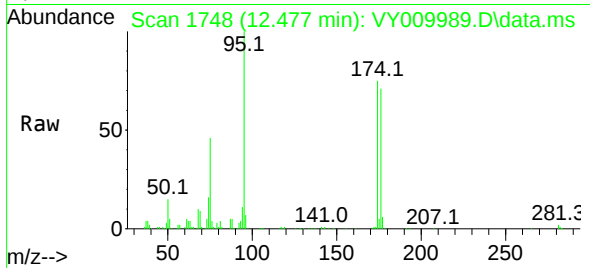




#62
4-Bromofluorobenzene
Concen: 31.235 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009989.D
Acq: 12 Aug 2022 16:07

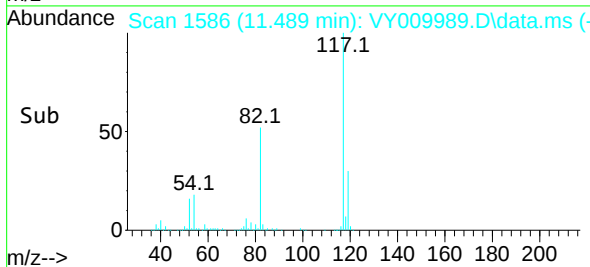
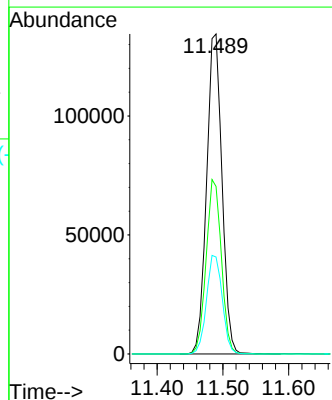
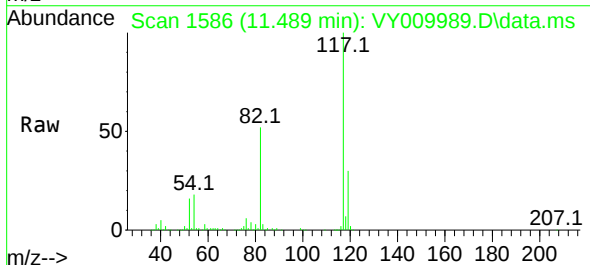
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

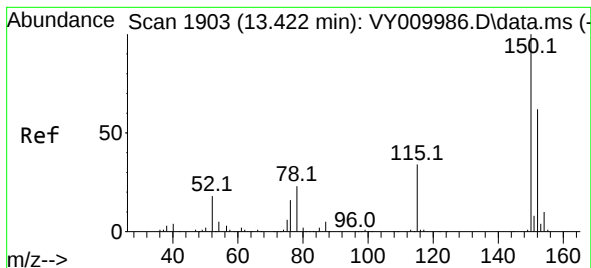
Tgt Ion: 95 Resp: 59267
Ion Ratio Lower Upper
95 100
174 76.9 0.0 173.8
176 73.5 0.0 167.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009989.D
Acq: 12 Aug 2022 16:07

Tgt Ion: 117 Resp: 218626
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.6
119 30.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009989.D

Acq: 12 Aug 2022 16:07

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

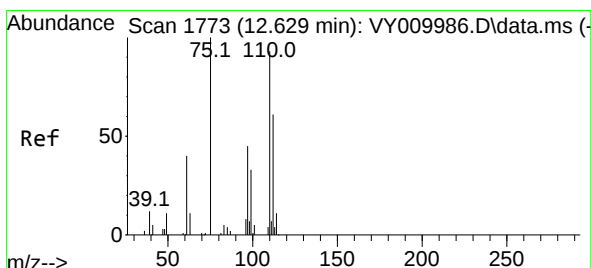
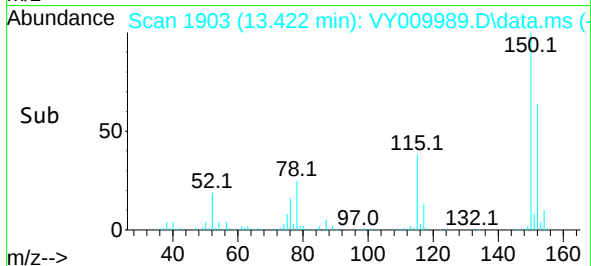
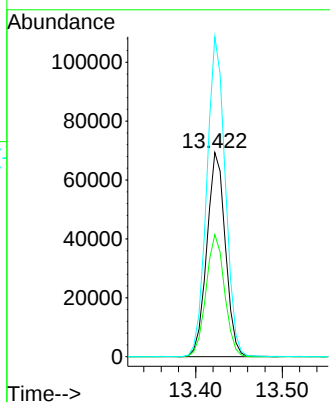
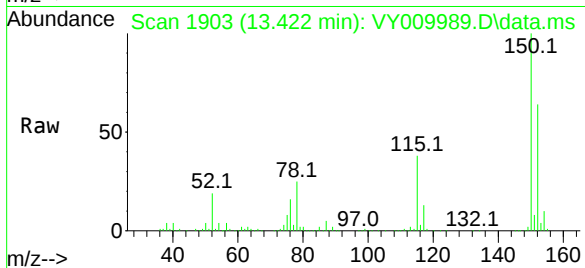
Tgt Ion:152 Resp: 102742

Ion Ratio Lower Upper

152 100

115 59.8 28.6 85.9

150 156.8 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 23.282 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009989.D

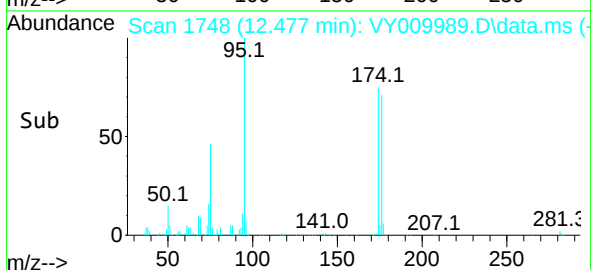
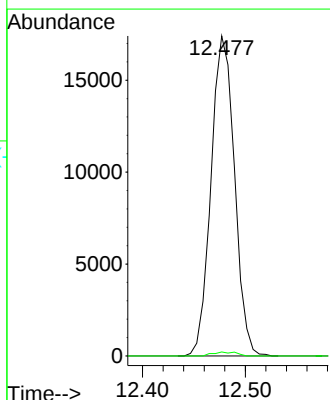
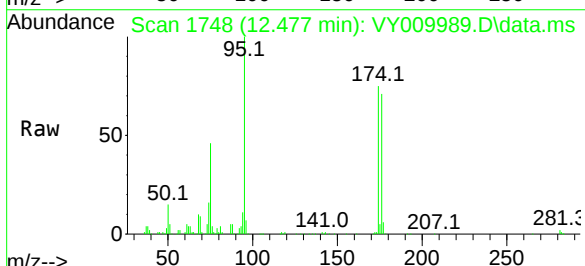
Acq: 12 Aug 2022 16:07

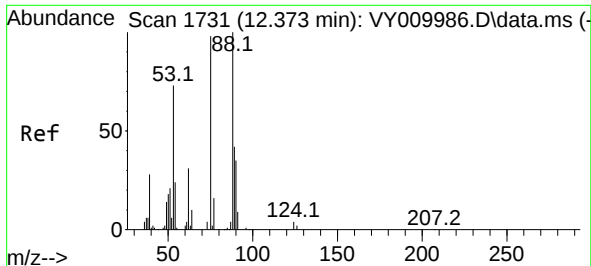
Tgt Ion: 75 Resp: 27642

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

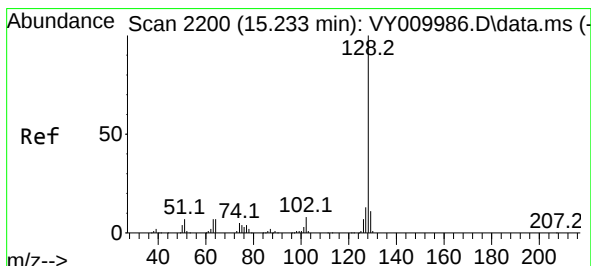
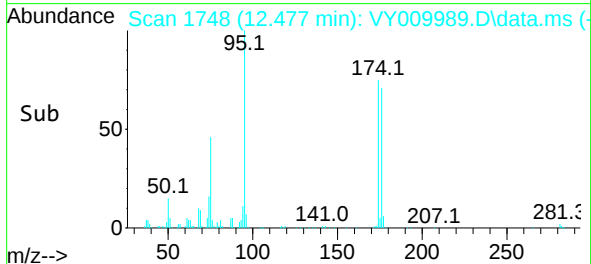
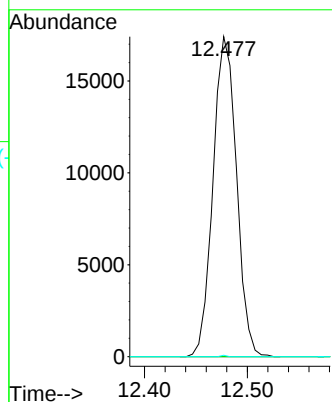
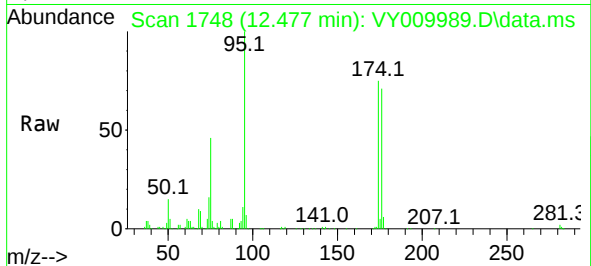




#81
trans-1,4-Dichloro-2-butene
Concen: 50.610 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009989.D
Acq: 12 Aug 2022 16:07

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 27642
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 38.1 57.1#



#95
Naphthalene
Concen: 3.716 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY009989.D
Acq: 12 Aug 2022 16:07

Tgt Ion: 128 Resp: 2793
Ion Ratio Lower Upper
128 100
127 9.9 10.6 15.8#
129 10.0 8.8 13.2

