

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071422\
 Data File : VX030076.D
 Acq On : 14 Jul 2022 21:15
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 15 04:21:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

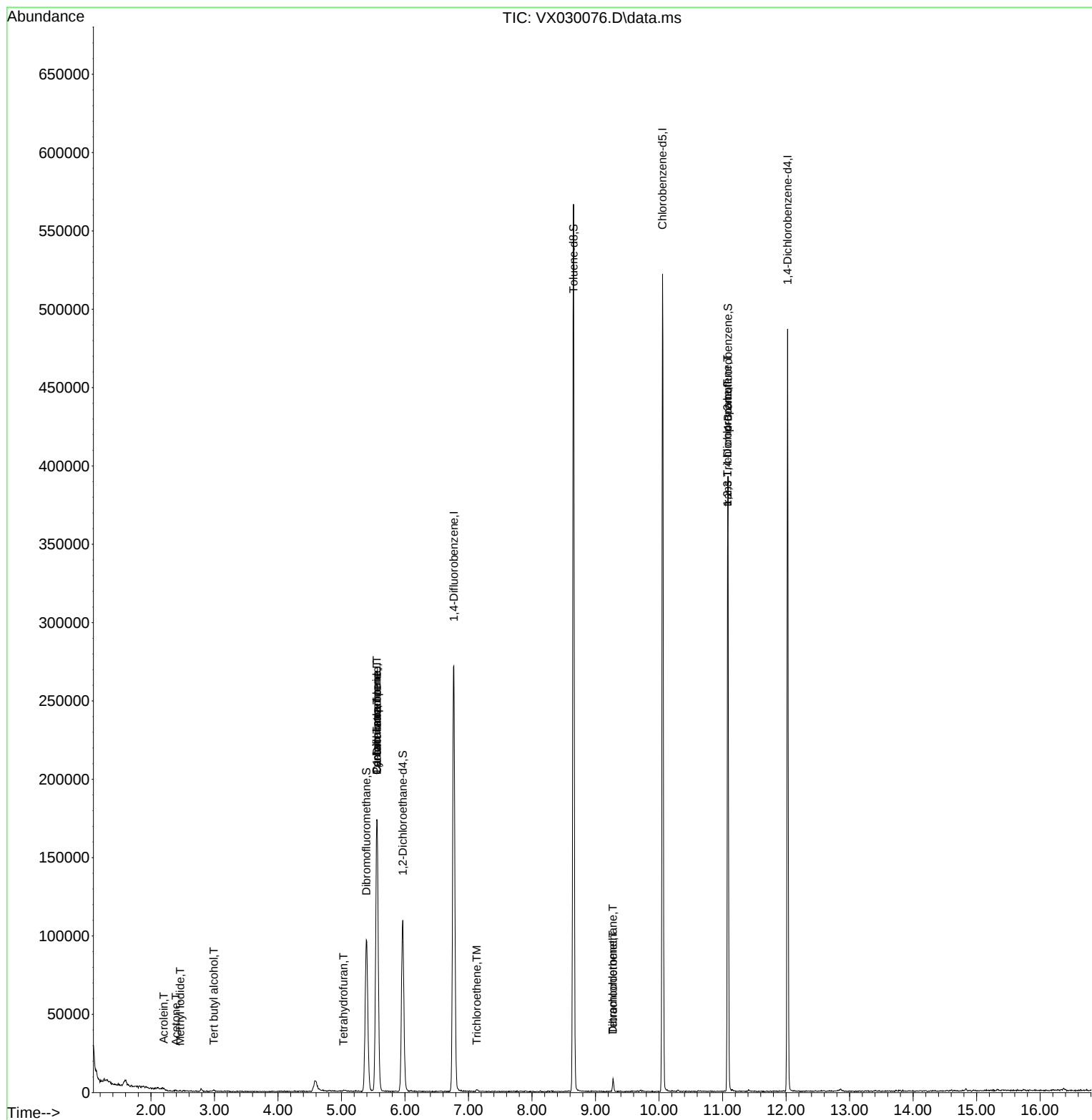
Internal Standards						
1) Pentafluorobenzene	5.555	168	172004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	295849	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	96902	46.285	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.560%
35) Dibromofluoromethane	5.391	113	87959	46.539	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.080%
50) Toluene-d8	8.652	98	337697	47.508	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.020%
62) 4-Bromofluorobenzene	11.085	95	104896	42.524	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.343	85	20	Below Cal	#	42
10) Methyl Iodide	2.458	142	242	2.542	ug/l #	72
11) Tert butyl alcohol	2.989	59	1104	2.043	ug/l	95
13) Acrolein	2.202	56	48	0.446	ug/l #	65
16) Acetone	2.391	43	882	0.894	ug/l #	66
17) Carbon Disulfide	2.513	76	308	Below Cal	#	57
20) Methylene Chloride	2.788	84	774	Below Cal	#	90
29) Tetrahydrofuran	5.031	42	274	0.240	ug/l #	68
31) Cyclohexane	5.555	56	3512	1.157	ug/l #	1
36) 1,1-Dichloropropene	5.555	75	13898	5.693	ug/l #	46
38) Carbon Tetrachloride	5.555	117	16032	7.042	ug/l #	17
44) Trichloroethene	7.128	130	468	0.208	ug/l	66
60) Dibromochloromethane	9.274	129	1344	0.686	ug/l #	11
64) Tetrachloroethene	9.274	164	1252	0.627	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	49081	21.762	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	49081	62.804	ug/l #	13

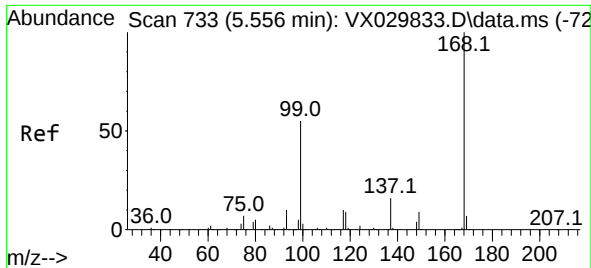
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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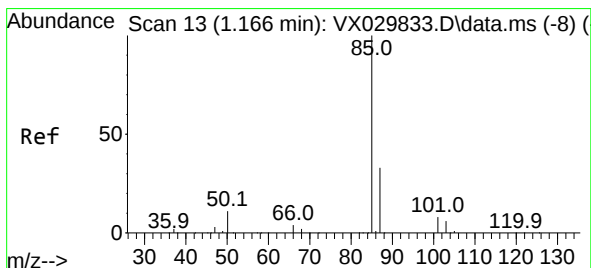
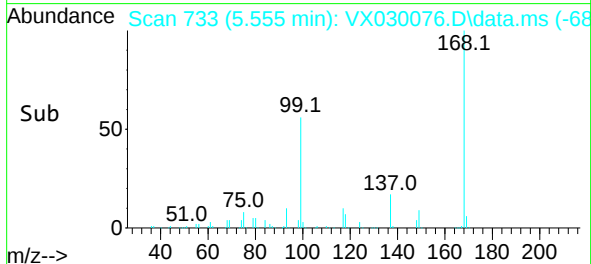
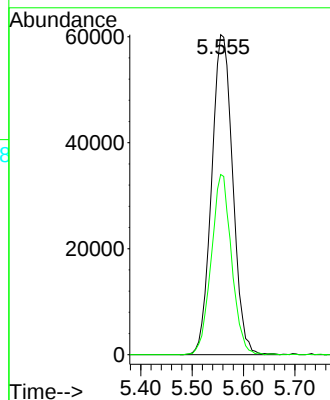
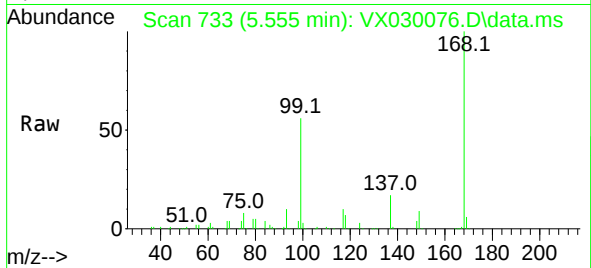




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

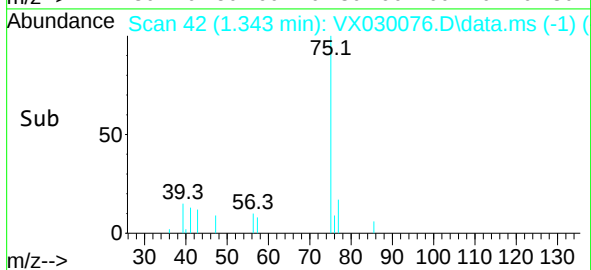
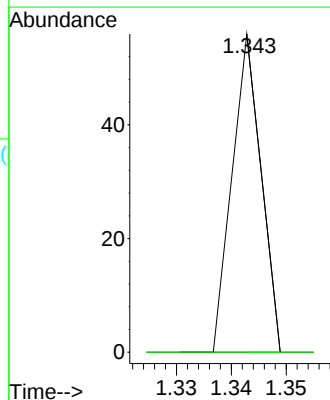
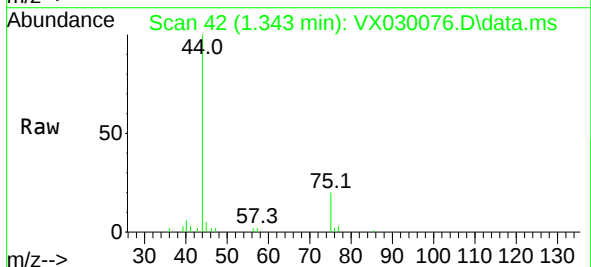
Instrument :
MSVOA_X
ClientSampleId :
IBLK

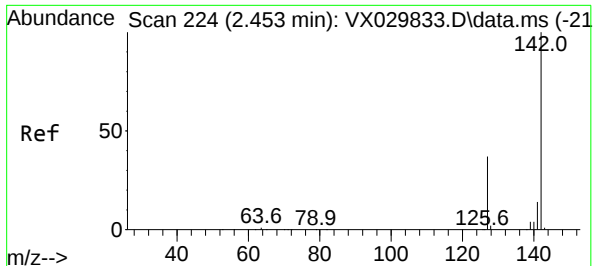
Tgt Ion:168 Resp: 172004
Ion Ratio Lower Upper
168 100
99 56.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.343 min Scan# 42
Delta R.T. 0.177 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

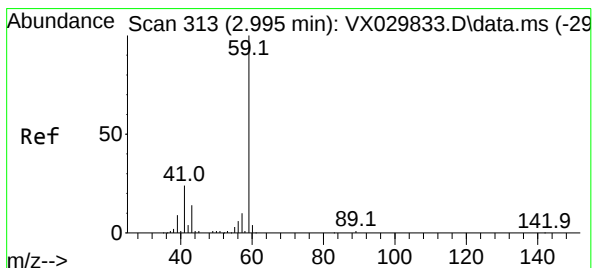
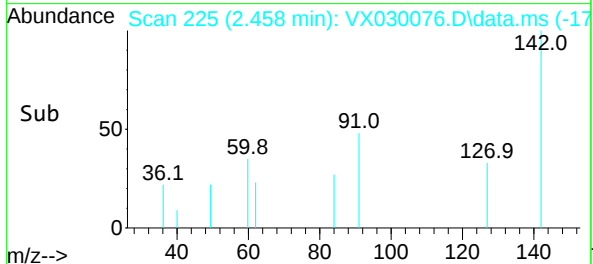
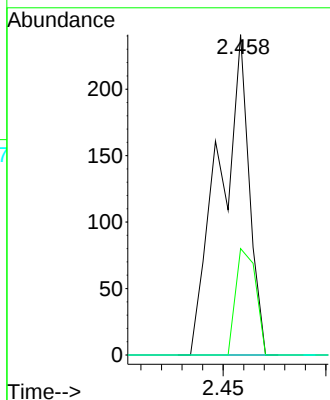
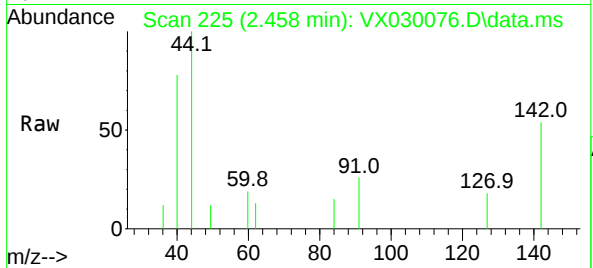




#10
Methyl Iodide
Concen: 2.542 ug/l
RT: 2.458 min Scan# 21
Delta R.T. 0.005 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

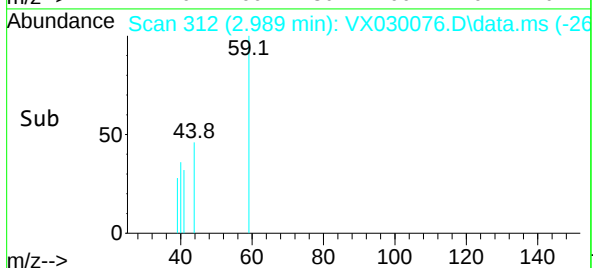
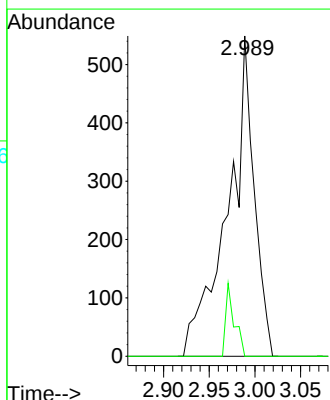
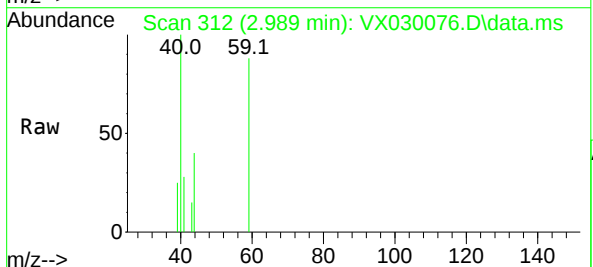
Instrument :
MSVOA_X
ClientSampleId :
IBLK

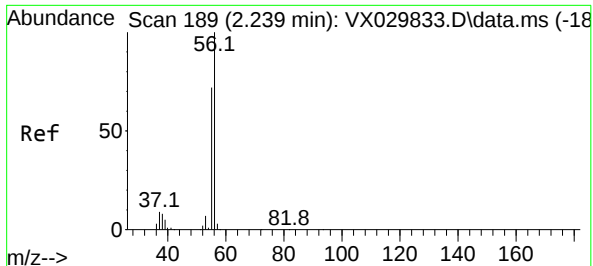
Tgt Ion:142 Resp: 242
Ion Ratio Lower Upper
142 100
127 22.7 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.043 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

Tgt Ion: 59 Resp: 1104
Ion Ratio Lower Upper
59 100
57 7.5 7.4 11.2

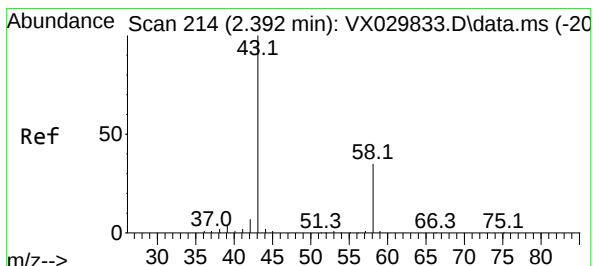
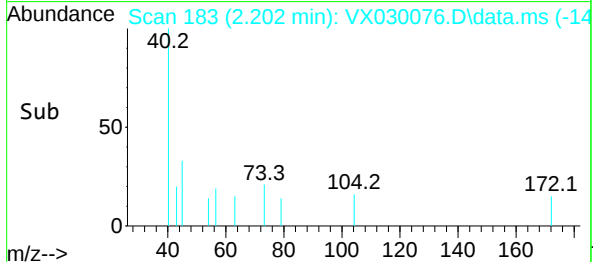
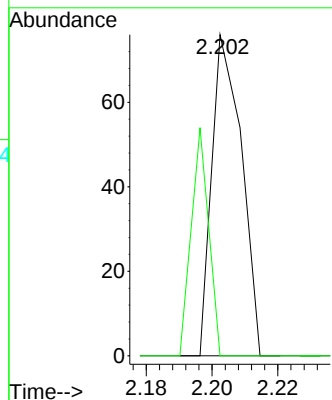
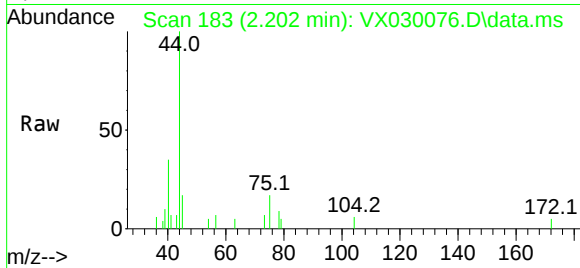




#13
Acrolein
Concen: 0.446 ug/l
RT: 2.202 min Scan# 11
Delta R.T. -0.037 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

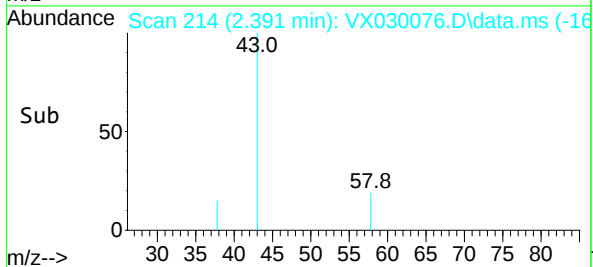
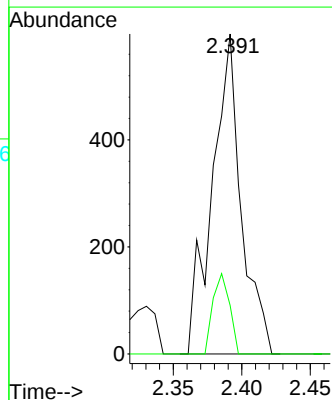
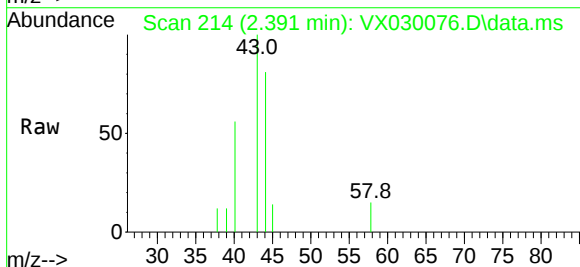
Instrument :
MSVOA_X
ClientSampleId :
IBLK

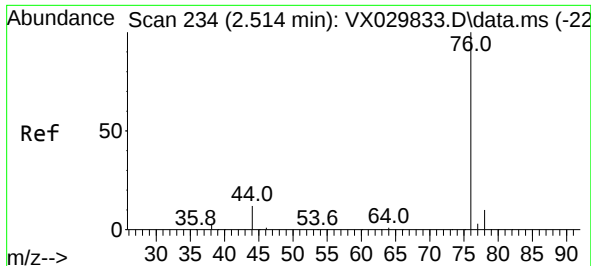
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 41.7 56.6 84.8#



#16
Acetone
Concen: 0.894 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.001 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

Tgt Ion: 43 Resp: 882
Ion Ratio Lower Upper
43 100
58 15.2 27.7 41.5#

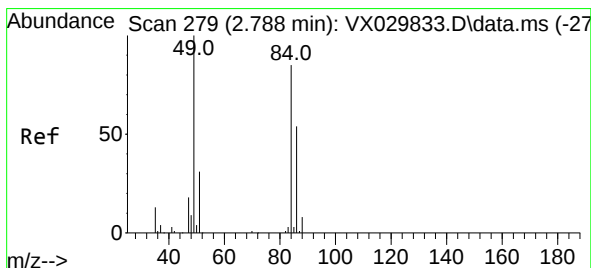
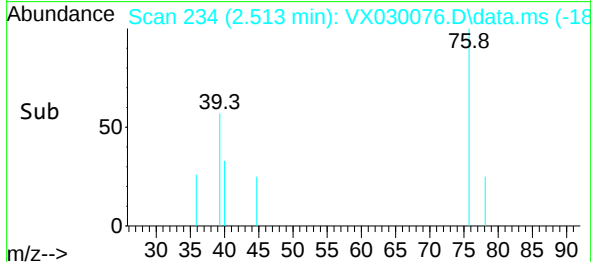
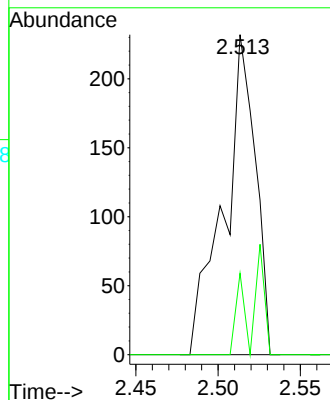
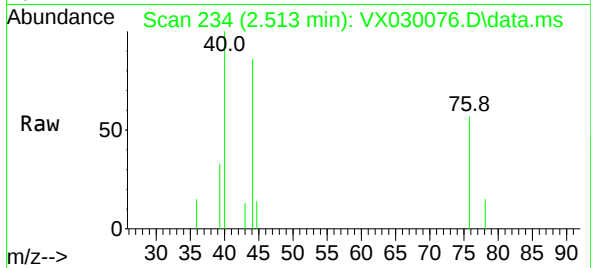




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.513 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

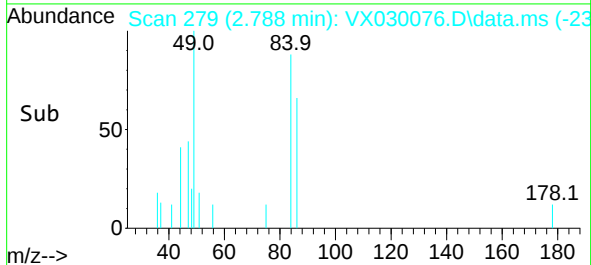
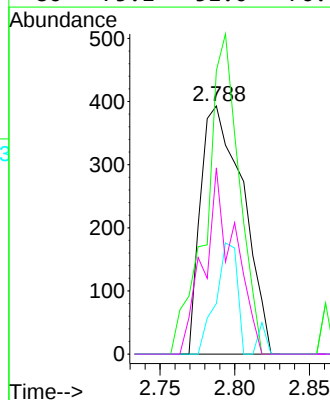
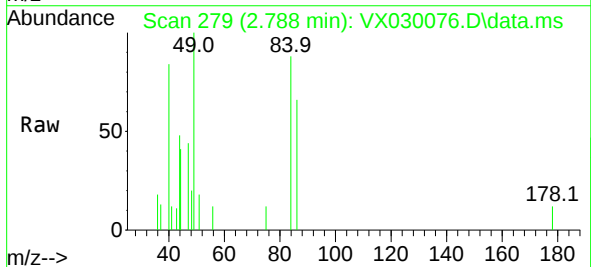
Instrument :
MSVOA_X
ClientSampleId :
IBLK

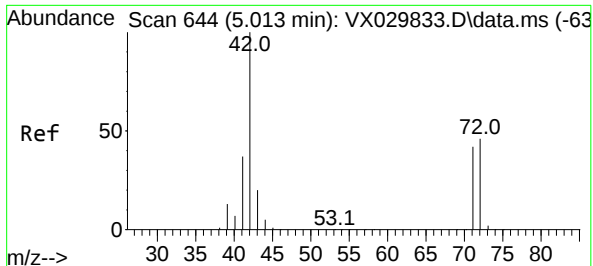
Tgt Ion: 76 Resp: 308
Ion Ratio Lower Upper
76 100
78 25.4 7.8 11.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

Tgt Ion: 84 Resp: 774
Ion Ratio Lower Upper
84 100
49 114.2 93.8 140.6
51 20.4 29.4 44.0#
86 75.1 51.0 76.4





#29

Tetrahydrofuran

Concen: 0.240 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX030076.D

Acq: 14 Jul 2022 21:15

Instrument :

MSVOA_X

ClientSampleId :

IBLK

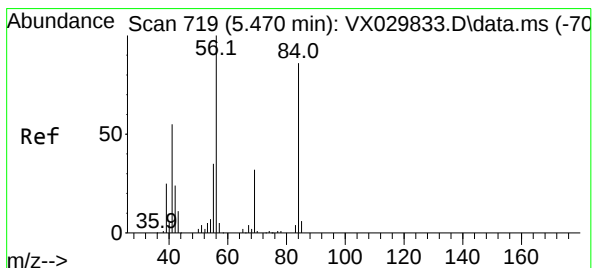
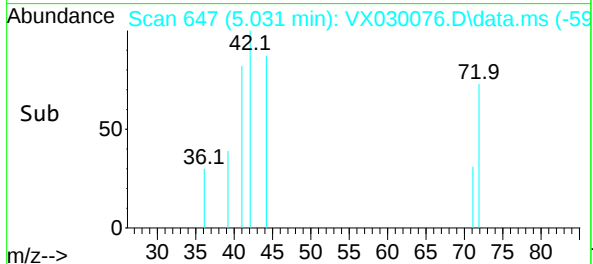
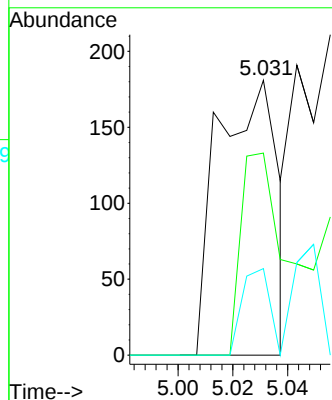
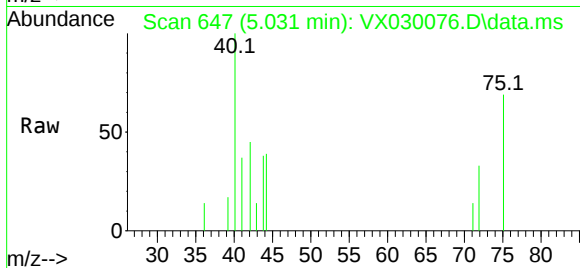
Tgt Ion: 42 Resp: 274

Ion Ratio Lower Upper

42 100

72 59.1 36.5 54.7#

71 14.6 33.9 50.9#



#31

Cyclohexane

Concen: 1.157 ug/l

RT: 5.555 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX030076.D

Acq: 14 Jul 2022 21:15

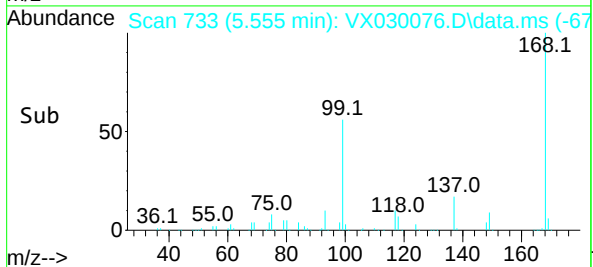
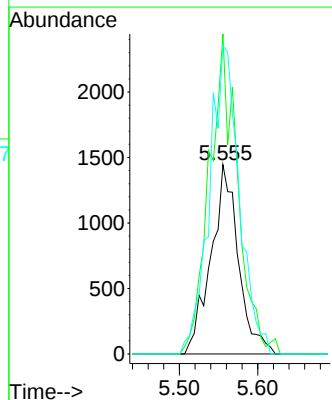
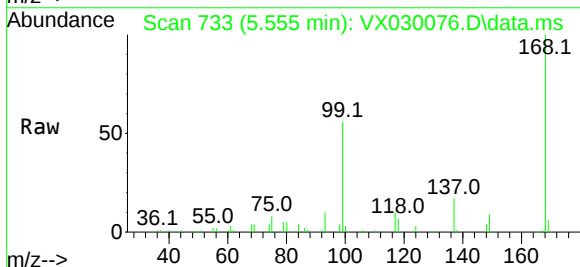
Tgt Ion: 56 Resp: 3512

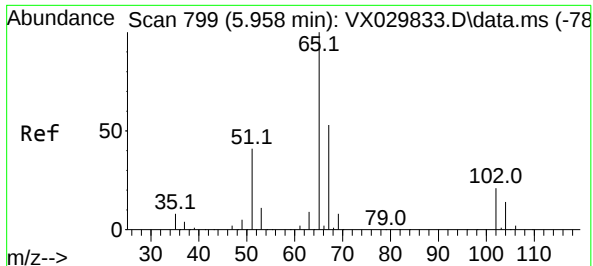
Ion Ratio Lower Upper

56 100

69 169.1 25.4 38.0#

84 162.9 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 46.285 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030076.D

Acq: 14 Jul 2022 21:15

Instrument :

MSVOA_X

ClientSampleId :

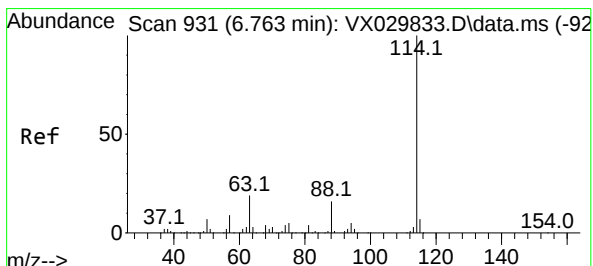
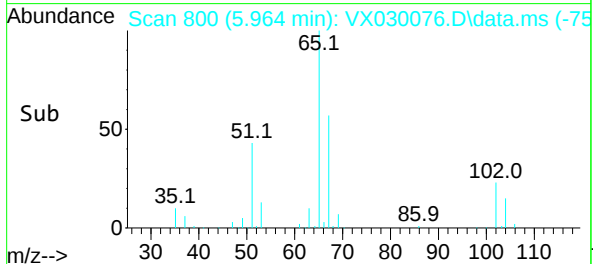
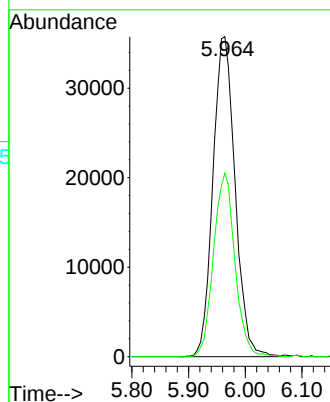
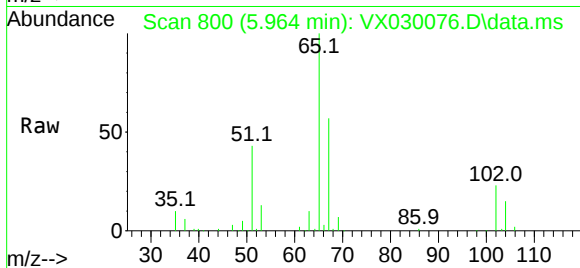
IBLK

Tgt Ion: 65 Resp: 96902

Ion Ratio Lower Upper

65 100

67 55.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX030076.D

Acq: 14 Jul 2022 21:15

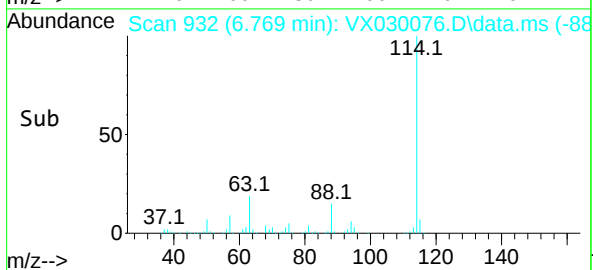
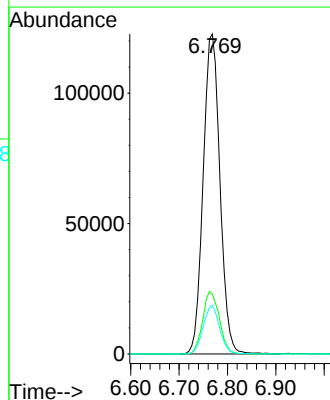
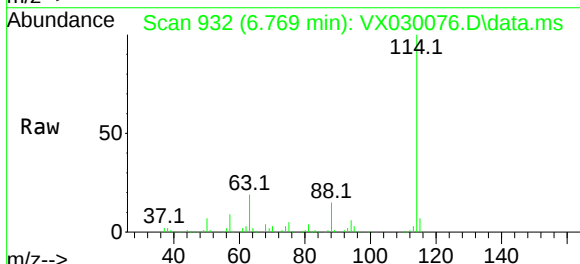
Tgt Ion: 114 Resp: 295849

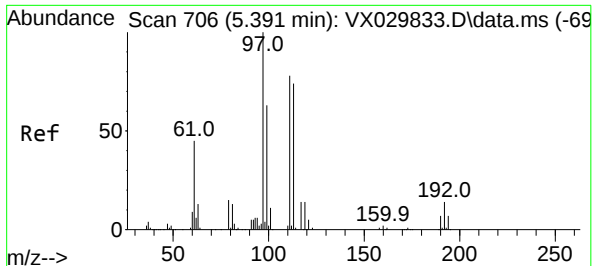
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 15.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.539 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX030076.D

Acq: 14 Jul 2022 21:15

Instrument :

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IBLK

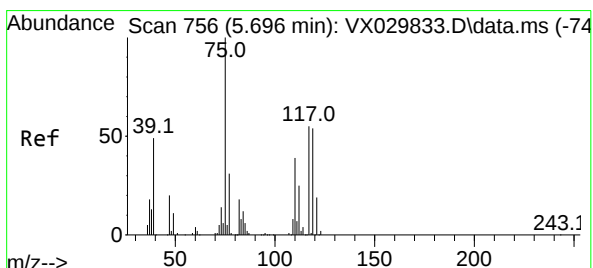
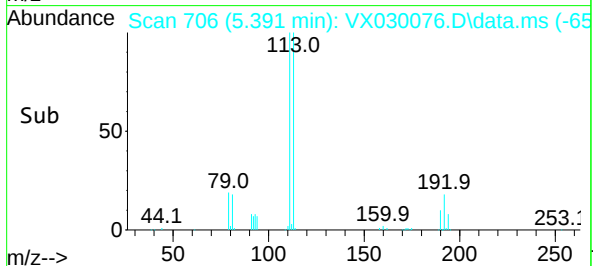
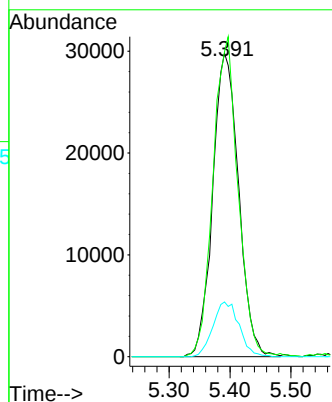
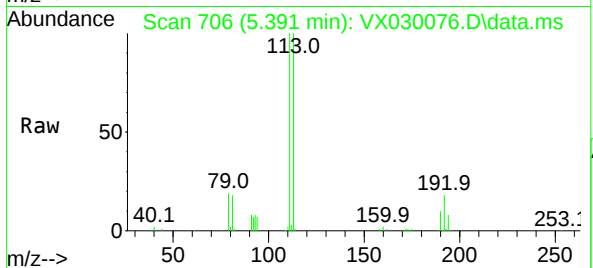
Tgt Ion:113 Resp: 87959

Ion Ratio Lower Upper

113 100

111 101.6 83.2 124.8

192 18.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.693 ug/l

RT: 5.555 min Scan# 733

Delta R.T. -0.141 min

Lab File: VX030076.D

Acq: 14 Jul 2022 21:15

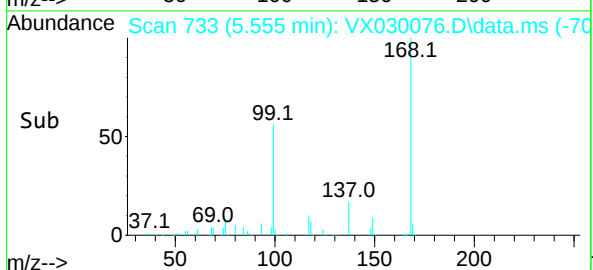
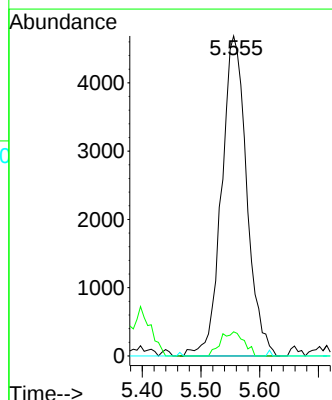
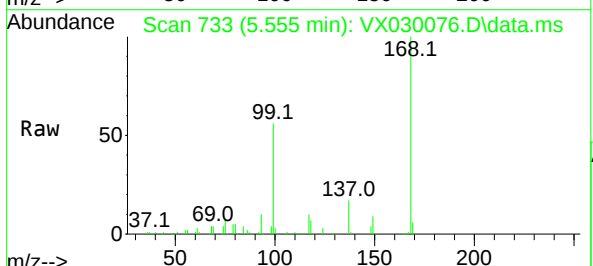
Tgt Ion: 75 Resp: 13898

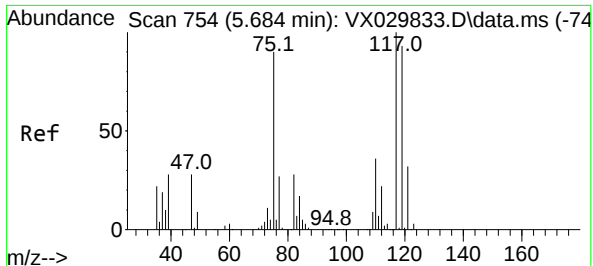
Ion Ratio Lower Upper

75 100

110 7.0 19.3 57.9#

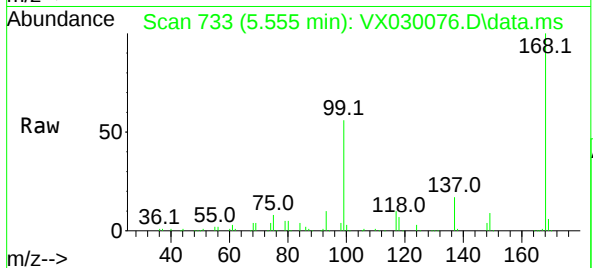
77 0.0 24.4 36.6#



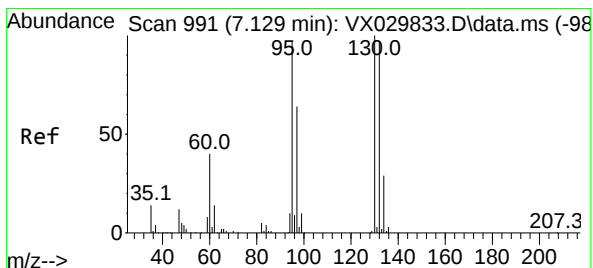
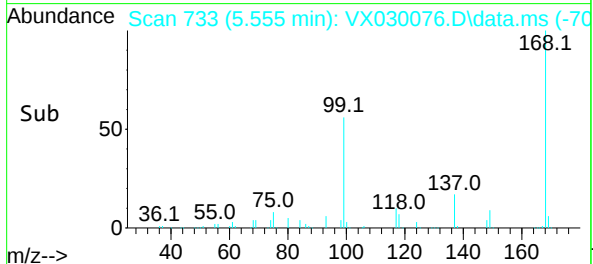
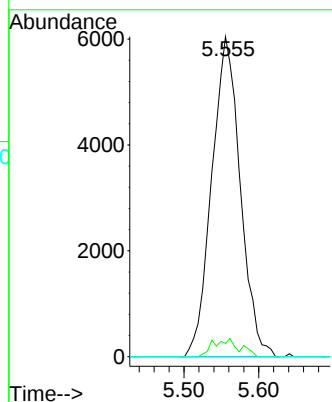


#38
Carbon Tetrachloride
Concen: 7.042 ug/l
RT: 5.555 min Scan# 711
Delta R.T. -0.129 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

Instrument :
MSVOA_X
ClientSampleId :
IBLK

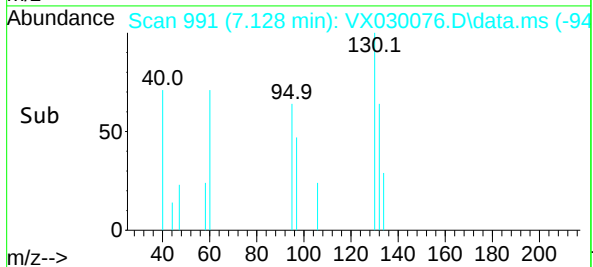
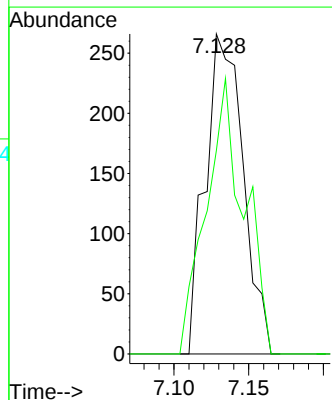
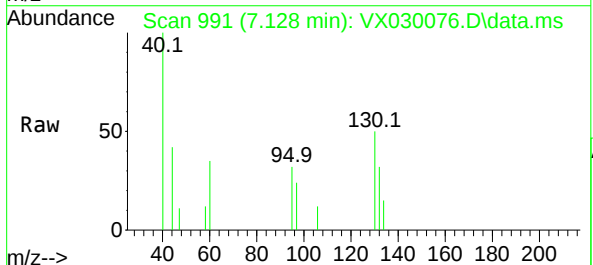


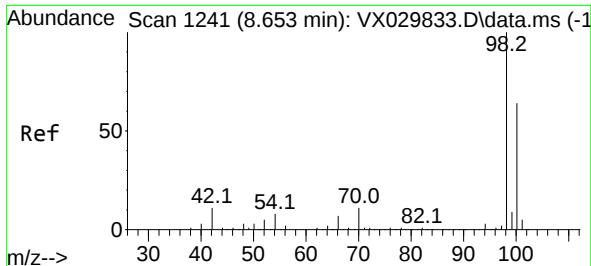
Tgt Ion:117 Resp: 16032
Ion Ratio Lower Upper
117 100
119 4.2 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.208 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.001 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

Tgt Ion:130 Resp: 468
Ion Ratio Lower Upper
130 100
95 63.5 0.0 194.8

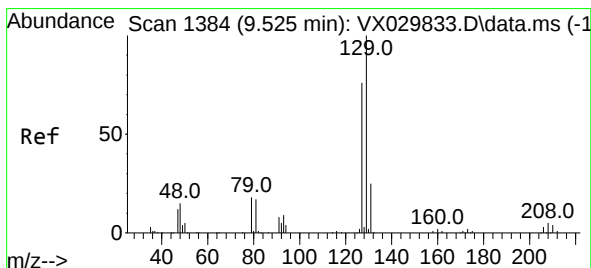
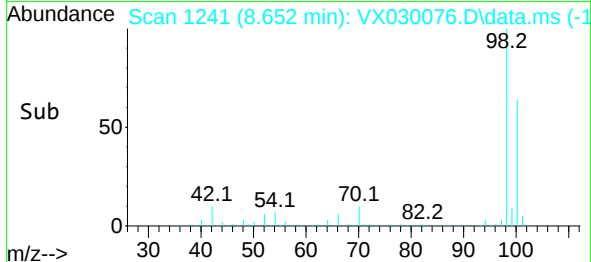
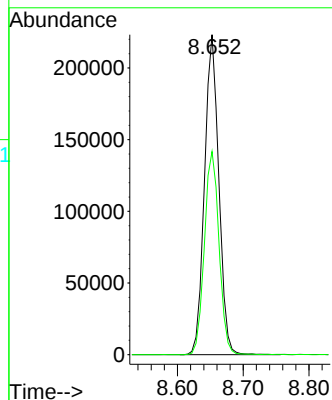
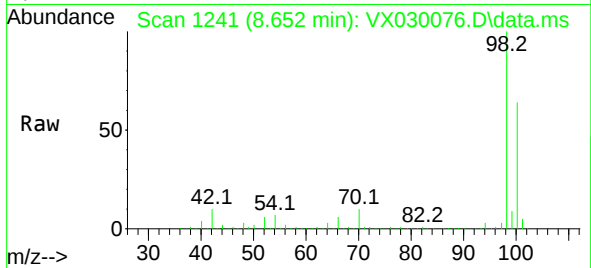




#50
Toluene-d8
Concen: 47.508 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

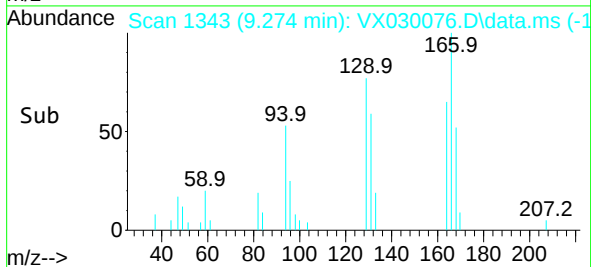
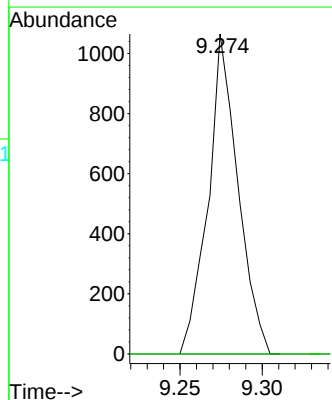
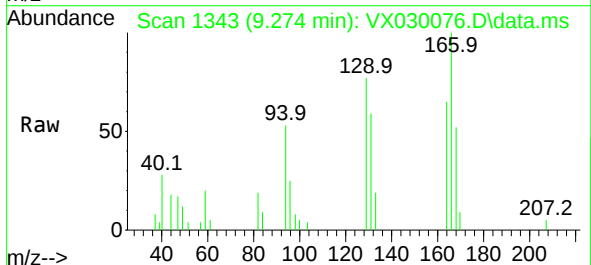
Instrument :
MSVOA_X
ClientSampleId :
IBLK

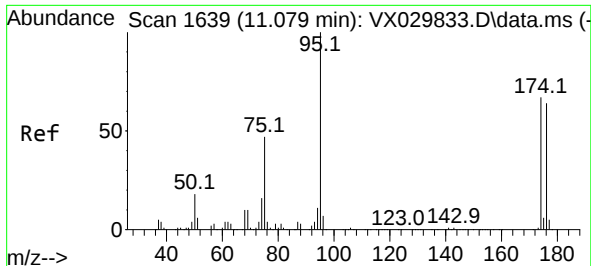
Tgt Ion: 98 Resp: 337697
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#60
Dibromochloromethane
Concen: 0.686 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.251 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

Tgt Ion: 129 Resp: 1344
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 42.524 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX030076.D

Acq: 14 Jul 2022 21:15

Instrument :

MSVOA_X

ClientSampleId :

IBLK

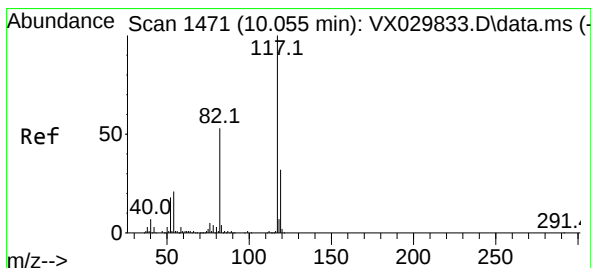
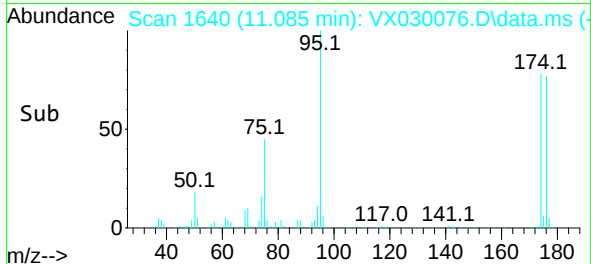
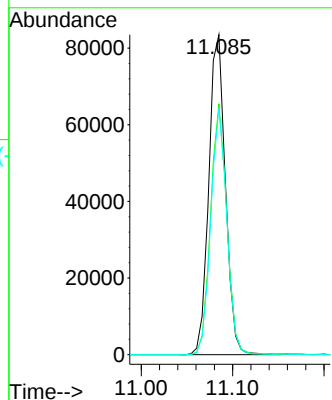
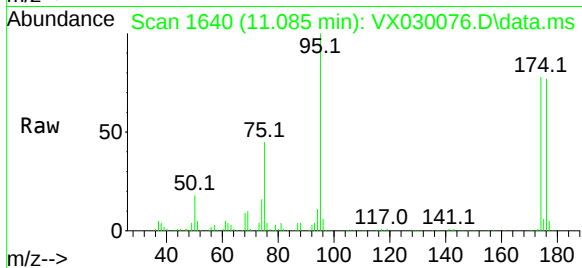
Tgt Ion: 95 Resp: 104896

Ion Ratio Lower Upper

95 100

174 76.9 0.0 149.0

176 74.4 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX030076.D

Acq: 14 Jul 2022 21:15

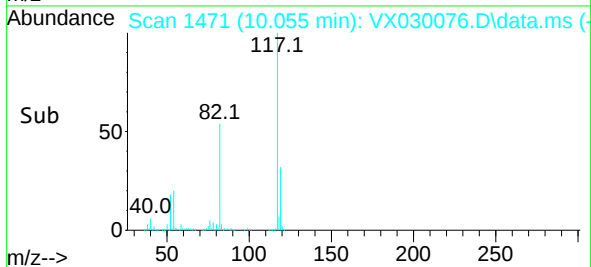
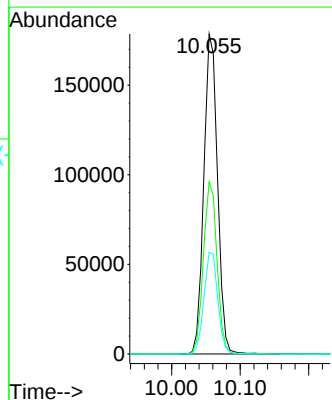
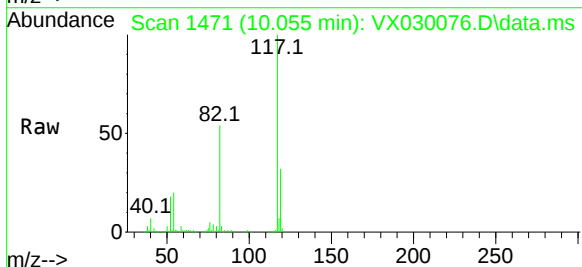
Tgt Ion: 117 Resp: 248565

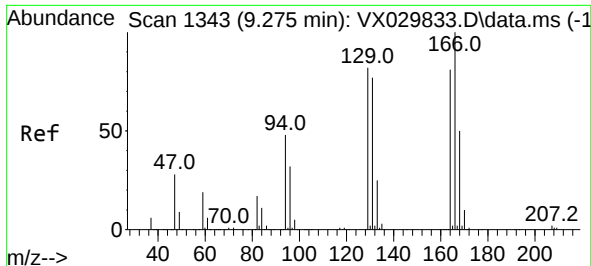
Ion Ratio Lower Upper

117 100

82 53.8 42.7 64.1

119 31.8 25.4 38.2

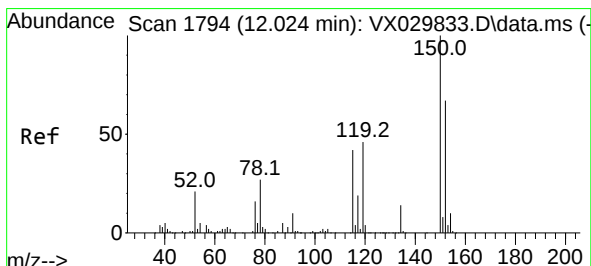
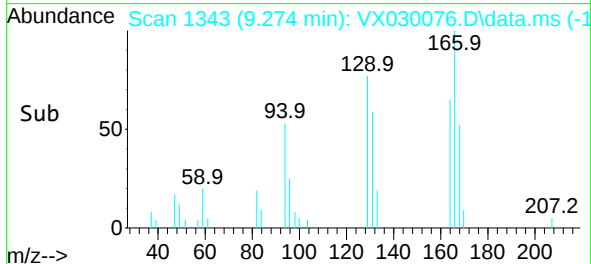
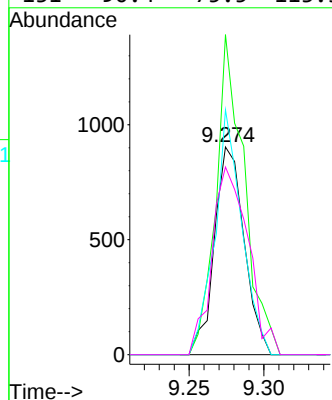
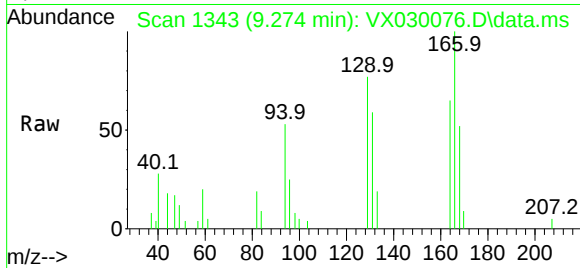




#64
Tetrachloroethene
Concen: 0.627 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

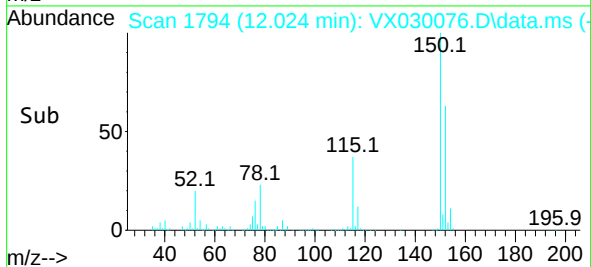
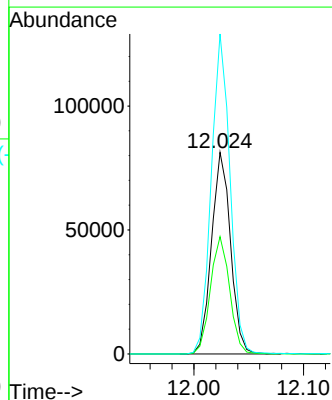
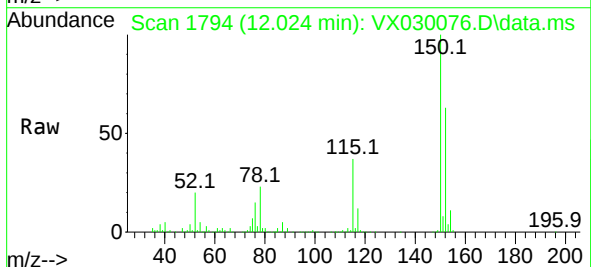
Instrument :
MSVOA_X
ClientSampleId :
IBLK

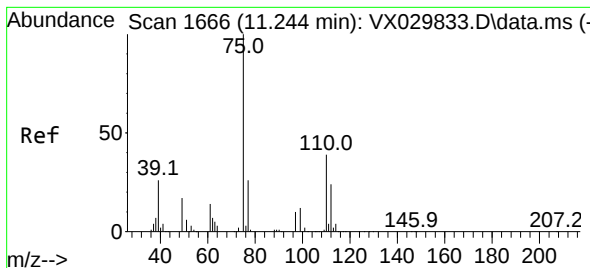
Tgt Ion:164 Resp: 1252
Ion Ratio Lower Upper
164 100
166 154.2 98.2 147.4#
129 117.9 80.8 121.2
131 90.4 75.5 113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX030076.D
Acq: 14 Jul 2022 21:15

Tgt Ion:152 Resp: 98093
Ion Ratio Lower Upper
152 100
115 58.7 40.5 121.5
150 156.6 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 21.762 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX030076.D

Acq: 14 Jul 2022 21:15

Instrument :

MSVOA_X

ClientSampleId :

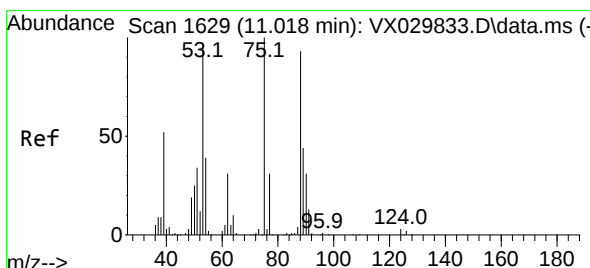
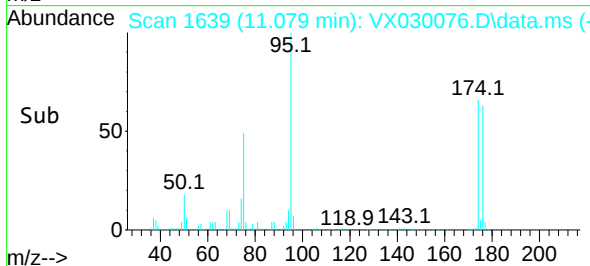
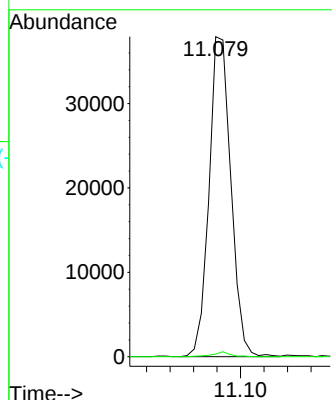
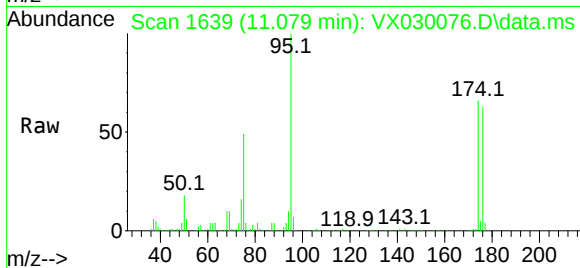
IBLK

Tgt Ion: 75 Resp: 49081

Ion Ratio Lower Upper

75 100

77 1.2 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.804 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX030076.D

Acq: 14 Jul 2022 21:15

Tgt Ion: 75 Resp: 49081

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.1 34.8 52.2#

