

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042224\
 Data File : VX041181.D
 Acq On : 22 Apr 2024 10:12
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 23 05:11:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:06:51 2024
 Response via : Initial Calibration

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

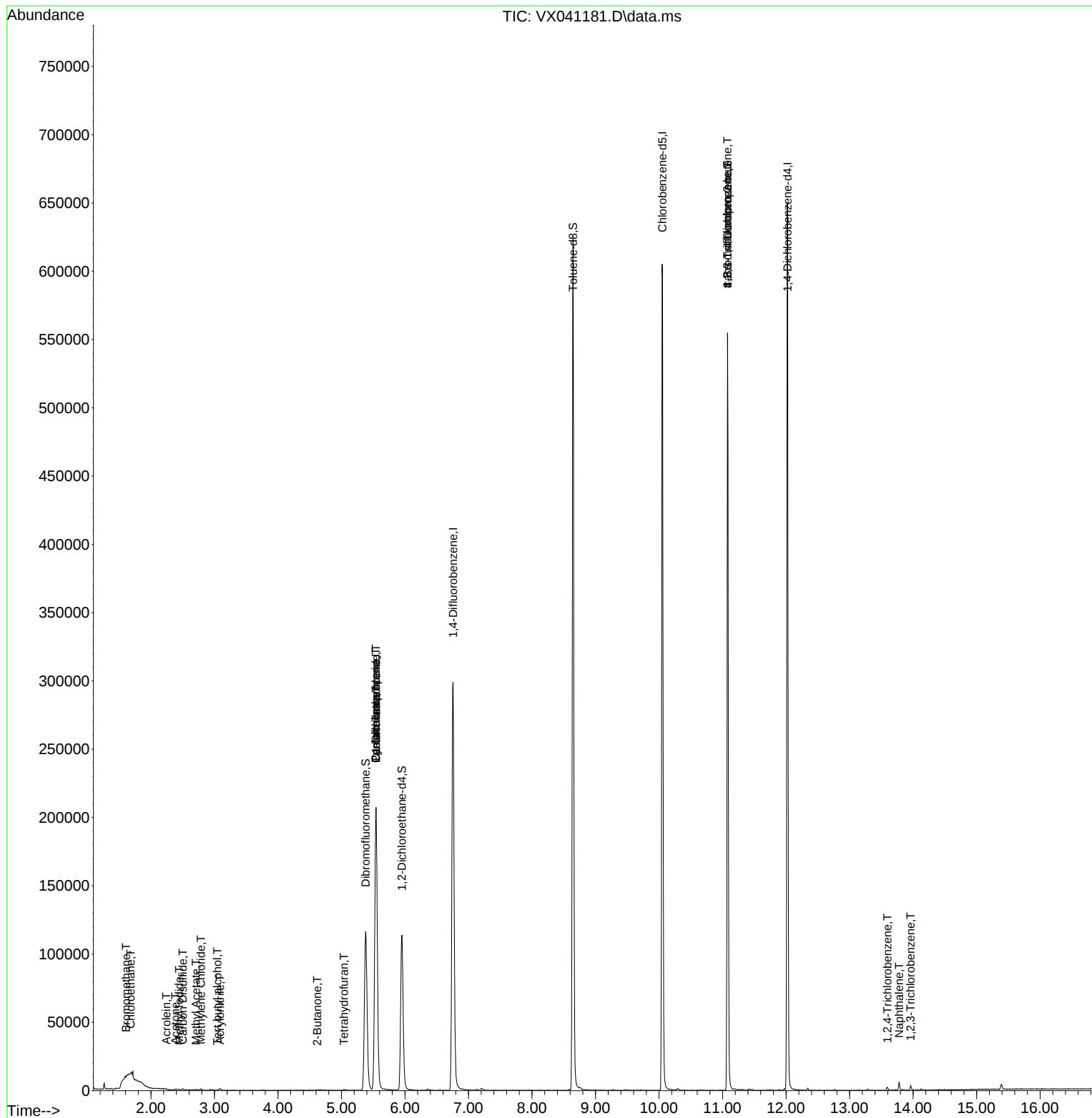
Internal Standards						
1) Pentafluorobenzene	5.544	168	231182	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	337712	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	157134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	114647	52.096	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 104.200%		
35) Dibromofluoromethane	5.379	113	101798	49.555	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.100%		
50) Toluene-d8	8.647	98	385086	55.561	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 111.120%		
62) 4-Bromofluorobenzene	11.079	95	139531	54.543	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 109.080%		
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	582	0.522	ug/l	91
6) Chloroethane	1.678	64	242	0.322	ug/l	# 43
10) Methyl Iodide	2.447	142	533	0.245	ug/l	# 80
11) Tert butyl alcohol	3.044	59	220	0.559	ug/l	# 78
13) Acrolein	2.239	56	423	0.956	ug/l	# 75
15) Acrylonitrile	3.087	53	644	0.639	ug/l	# 28
16) Acetone	2.386	43	785	0.980	ug/l	94
17) Carbon Disulfide	2.501	76	1290	0.367	ug/l	# 91
18) Methyl Acetate	2.709	43	706	0.298	ug/l	# 90
20) Methylene Chloride	2.788	84	444	0.227	ug/l	# 71
25) 2-Butanone	4.617	43	376	0.275	ug/l	# 51
29) Tetrahydrofuran	5.038	42	498	0.534	ug/l	# 68
31) Cyclohexane	5.544	56	3369	1.137	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	13295	5.058	ug/l	# 51
38) Carbon Tetrachloride	5.544	117	19425	6.617	ug/l	# 15
76) 1,2,3-Trichloropropane	11.079	75	67120	26.512	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	67120	74.798	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.597	180	977	0.275	ug/l	88
95) Naphthalene	13.780	128	4841	0.475	ug/l	# 95
96) 1,2,3-Trichlorobenzene	13.963	180	1221	0.327	ug/l	86

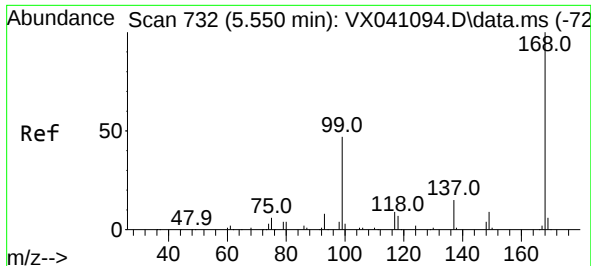
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:06:51 2024
Response via : Initial Calibration

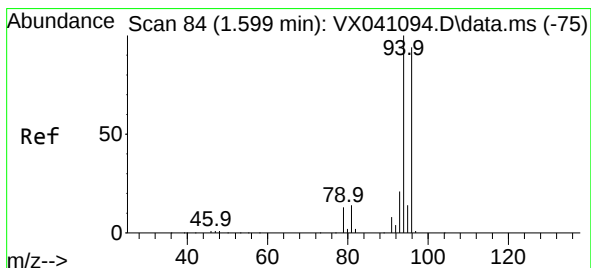
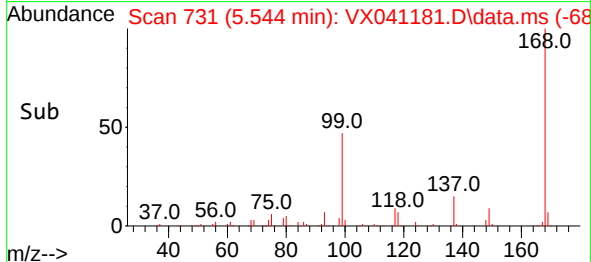
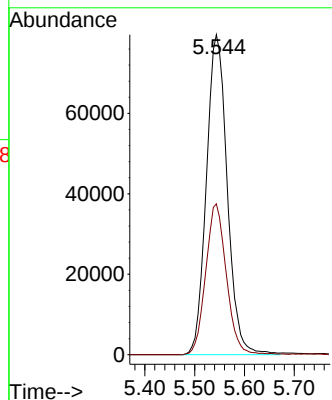
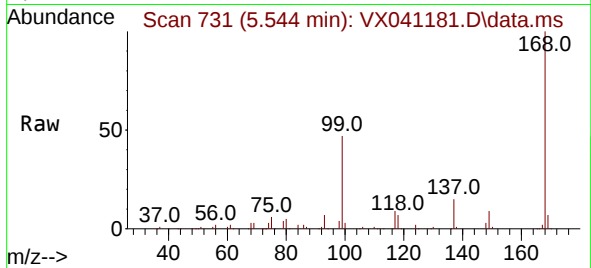




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

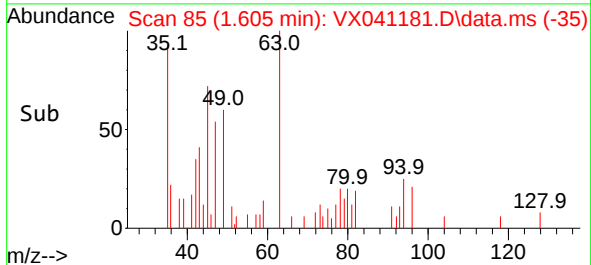
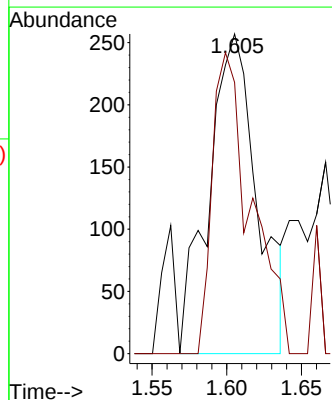
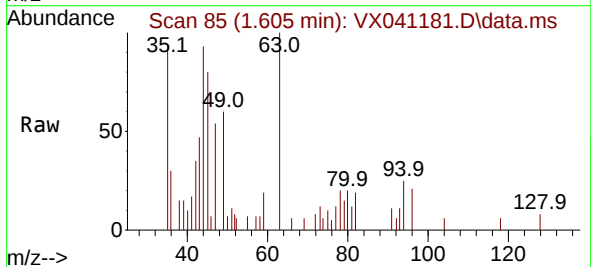
Instrument :
MSVOA_X
ClientSampleId :
IBLK

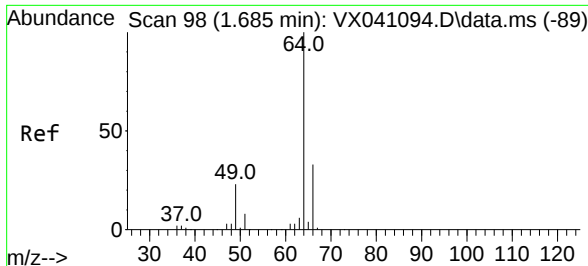
Tgt Ion:168 Resp: 231182
Ion Ratio Lower Upper
168 100
99 47.2 56.6 85.0#



#5
Bromomethane
Concen: 0.522 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

Tgt Ion: 94 Resp: 582
Ion Ratio Lower Upper
94 100
96 84.8 74.6 111.8

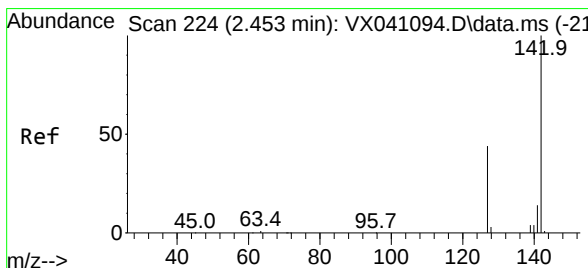
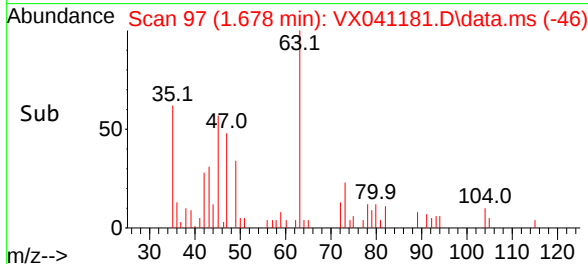
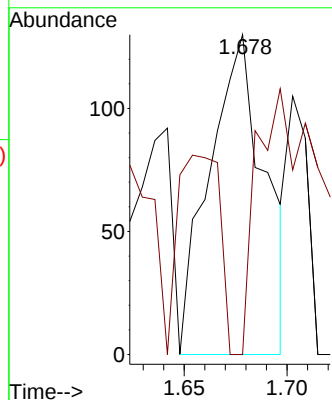
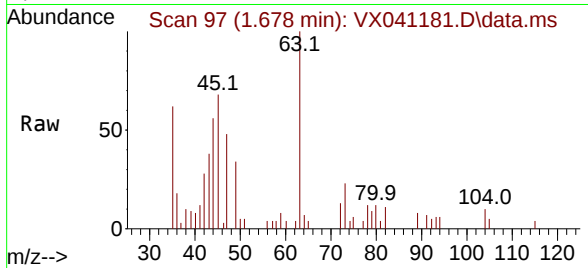




#6
Chloroethane
Concen: 0.322 ug/l
RT: 1.678 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

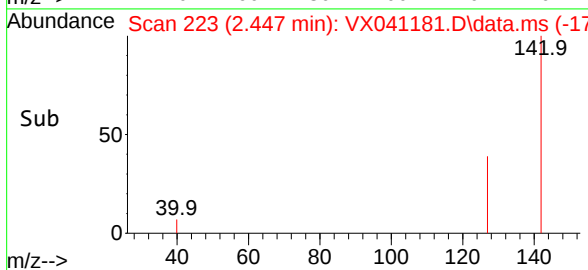
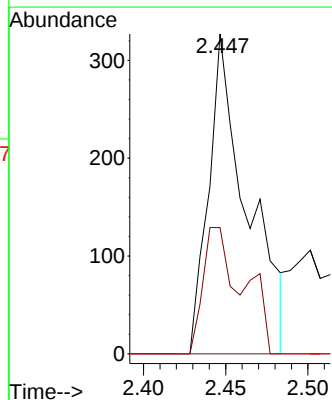
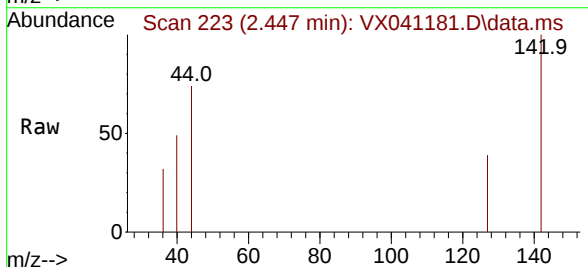
Instrument :
MSVOA_X
ClientSampleId :
IBLK

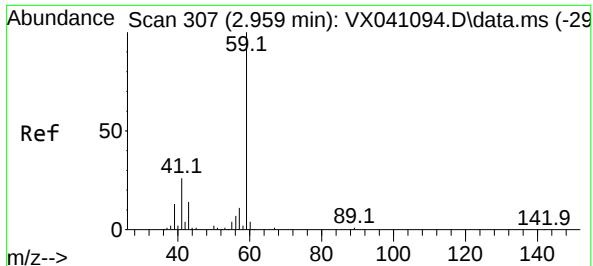
Tgt Ion: 64 Resp: 242
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#10
Methyl Iodide
Concen: 0.245 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

Tgt Ion: 142 Resp: 533
Ion Ratio Lower Upper
142 100
127 40.9 41.6 62.4#
141 0.0 11.6 17.4#

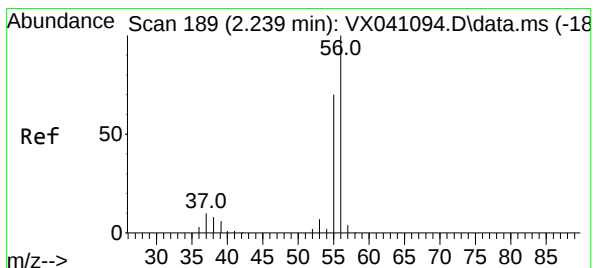
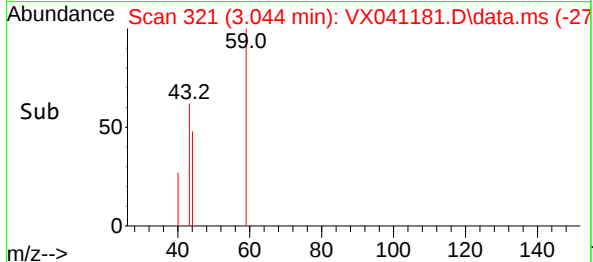
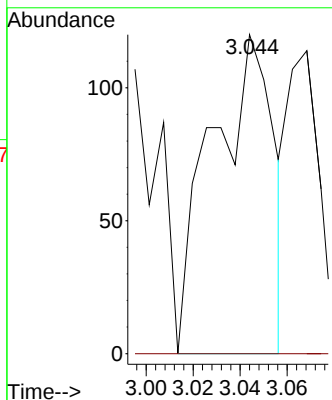
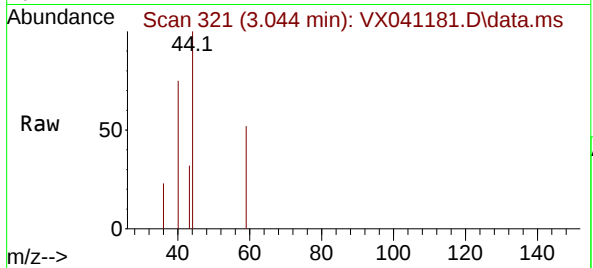




#11
Tert butyl alcohol
Concen: 0.559 ug/l
RT: 3.044 min Scan# 31
Delta R.T. -0.018 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

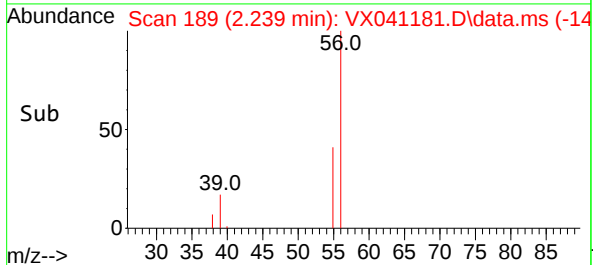
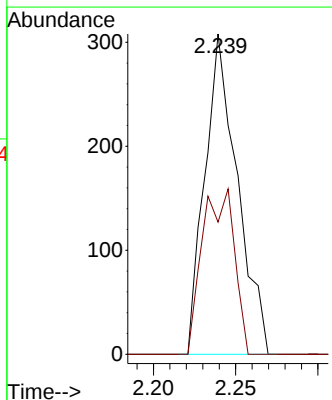
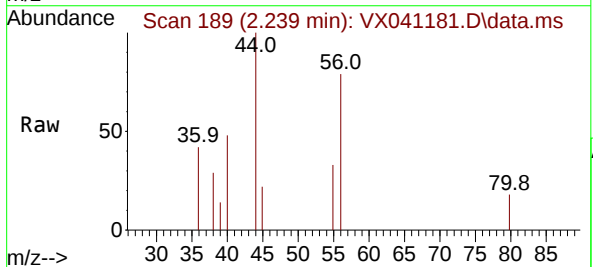
Instrument :
MSVOA_X
ClientSampleId :
IBLK

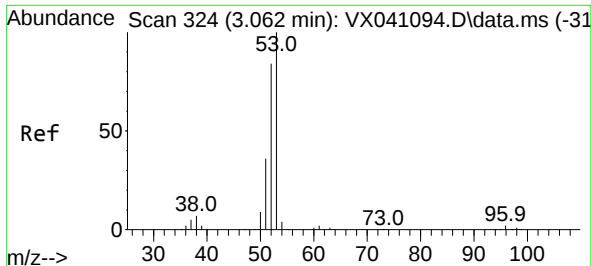
Tgt Ion: 59 Resp: 220
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.956 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

Tgt Ion: 56 Resp: 423
Ion Ratio Lower Upper
56 100
55 50.8 57.1 85.7#





#15

Acrylonitrile

Concen: 0.639 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX041181.D

Acq: 22 Apr 2024 10:12

Instrument :

MSVOA_X

ClientSampleId :

IBLK

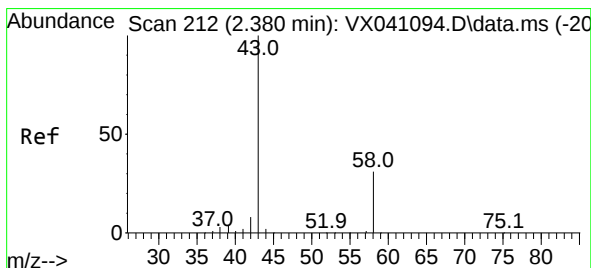
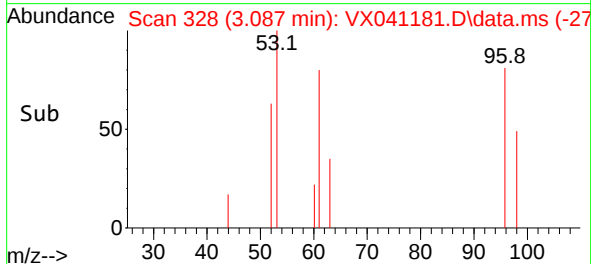
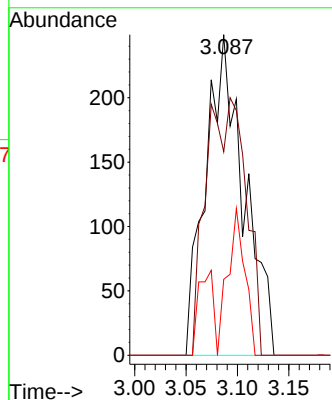
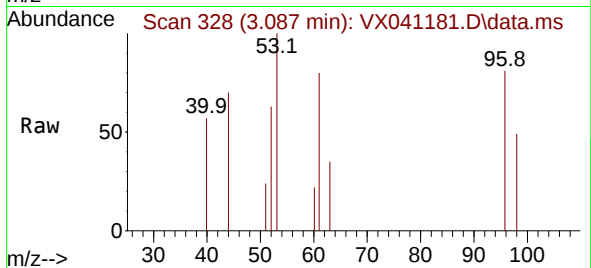
Tgt Ion: 53 Resp: 644

Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 20.5 29.8 44.6#



#16

Acetone

Concen: 0.980 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX041181.D

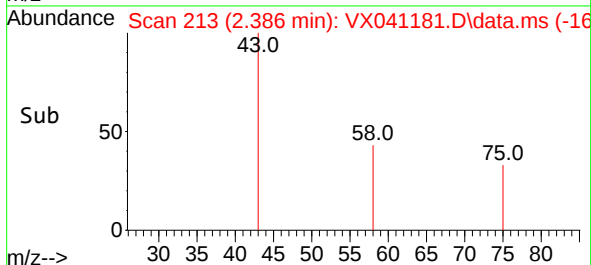
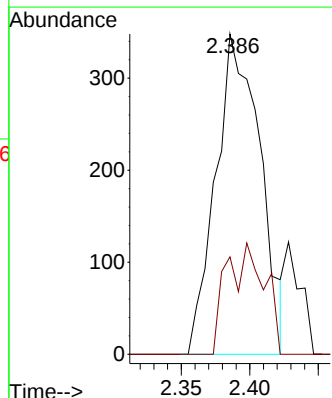
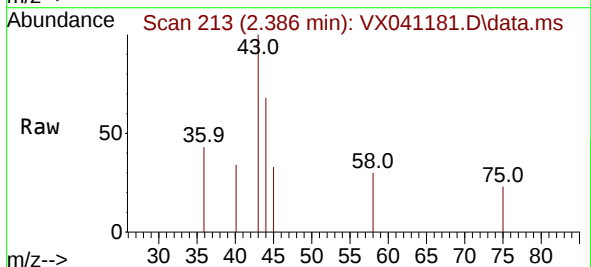
Acq: 22 Apr 2024 10:12

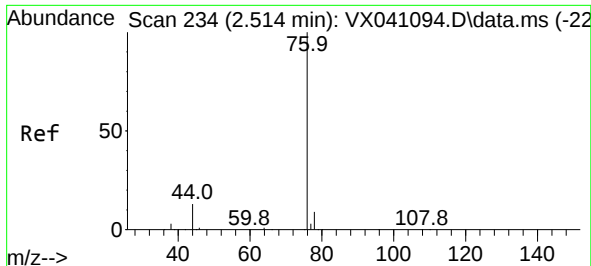
Tgt Ion: 43 Resp: 785

Ion Ratio Lower Upper

43 100

58 30.5 21.9 32.9





#17

Carbon Disulfide

Concen: 0.367 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX041181.D

Acq: 22 Apr 2024 10:12

Instrument :

MSVOA_X

ClientSampleId :

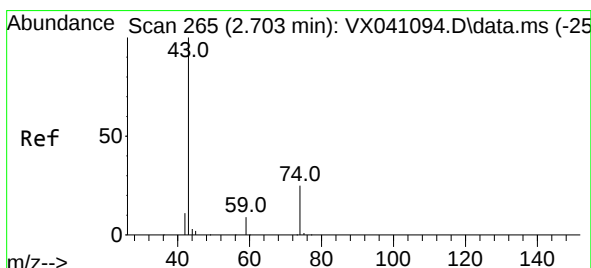
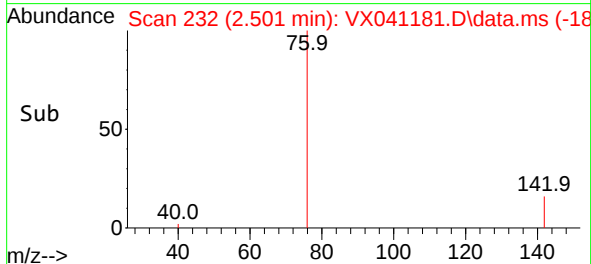
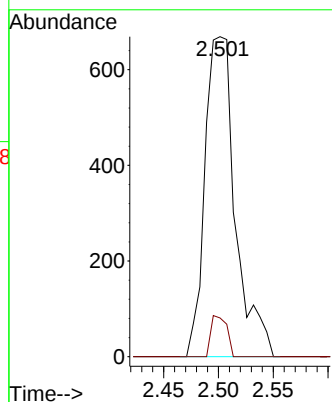
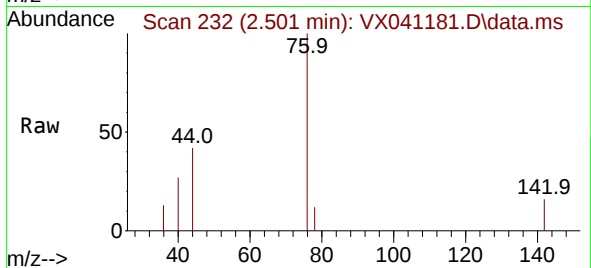
IBLK

Tgt Ion: 76 Resp: 1290

Ion Ratio Lower Upper

76 100

78 12.1 7.0 10.6#



#18

Methyl Acetate

Concen: 0.298 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX041181.D

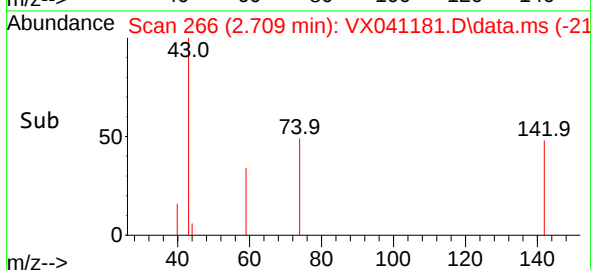
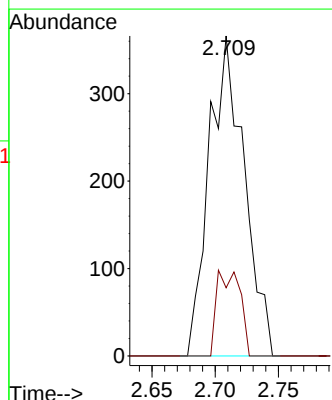
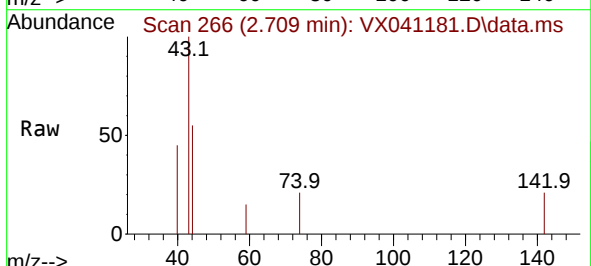
Acq: 22 Apr 2024 10:12

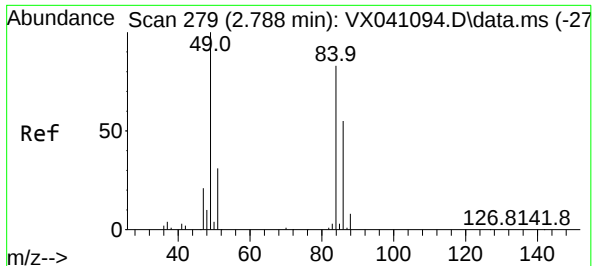
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

74 17.7 17.8 26.8#

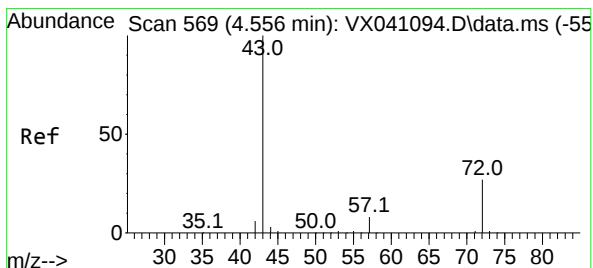
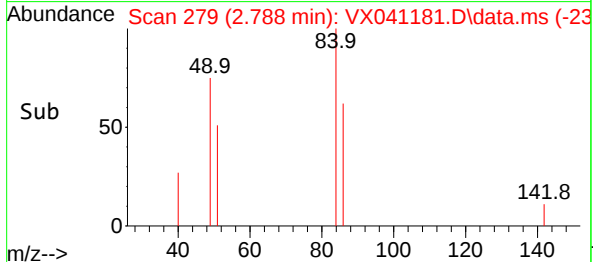
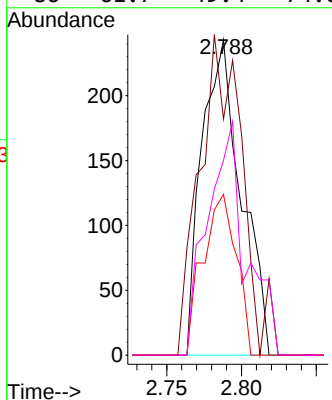
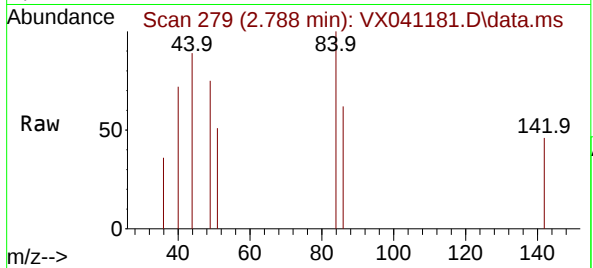




#20
Methylene Chloride
Concen: 0.227 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

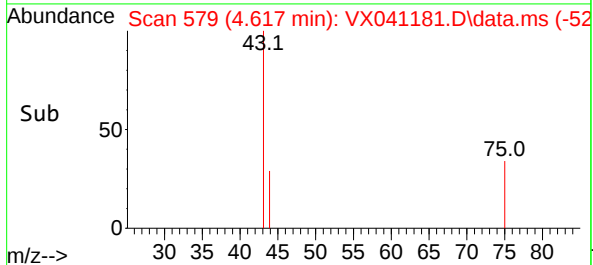
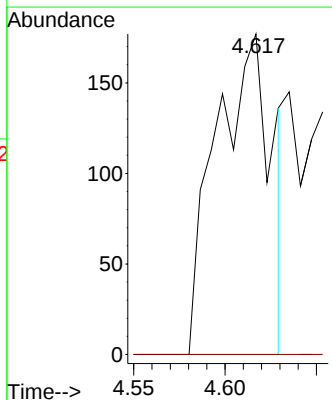
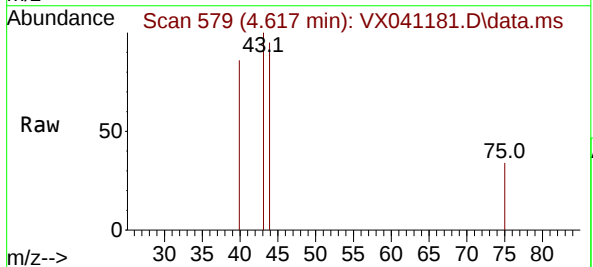
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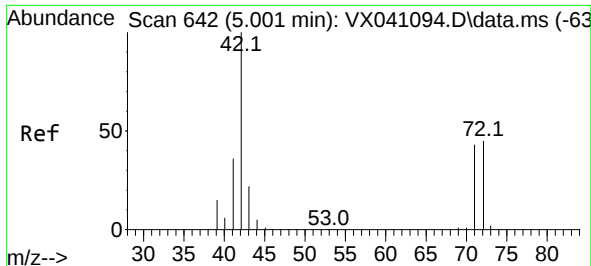
Tgt Ion:	84	Resp:	444
Ion	Ratio	Lower	Upper
84	100		
49	74.9	103.6	155.4#
51	51.0	33.8	50.6#
86	61.7	49.4	74.0



#25
2-Butanone
Concen: 0.275 ug/l
RT: 4.617 min Scan# 579
Delta R.T. 0.049 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

Tgt Ion:	43	Resp:	376
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.534 ug/l

RT: 5.038 min Scan# 642

Delta R.T. 0.024 min

Lab File: VX041181.D

Acq: 22 Apr 2024 10:12

Instrument :

MSVOA_X

ClientSampleId :

IBLK

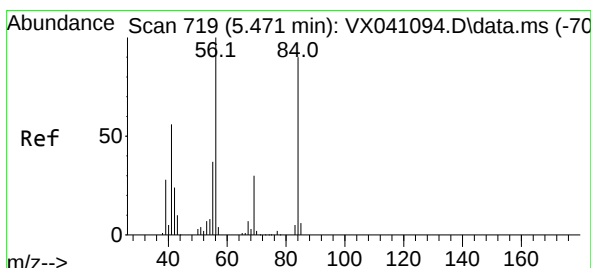
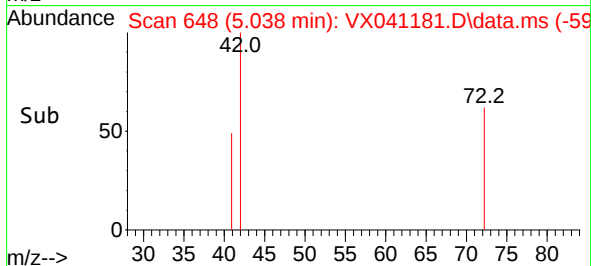
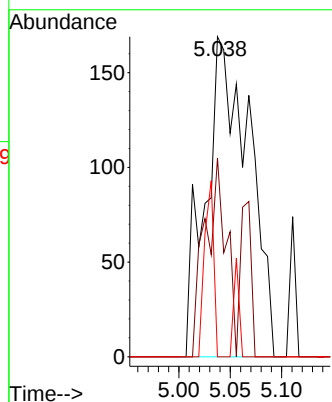
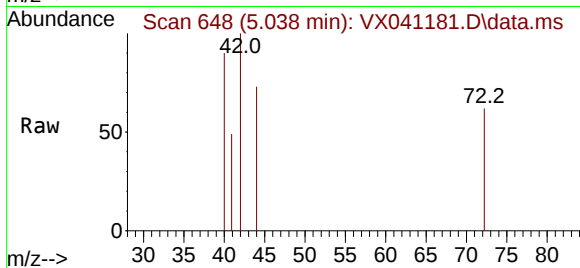
Tgt Ion: 42 Resp: 498

Ion Ratio Lower Upper

42 100

72 30.3 34.2 51.4#

71 11.6 32.2 48.2#



#31

Cyclohexane

Concen: 1.137 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX041181.D

Acq: 22 Apr 2024 10:12

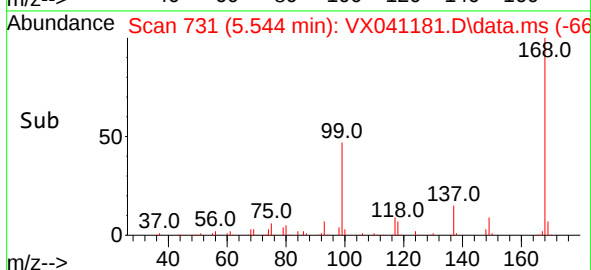
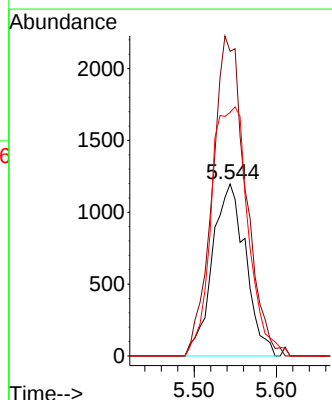
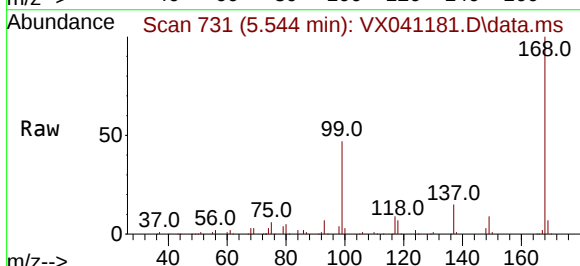
Tgt Ion: 56 Resp: 3369

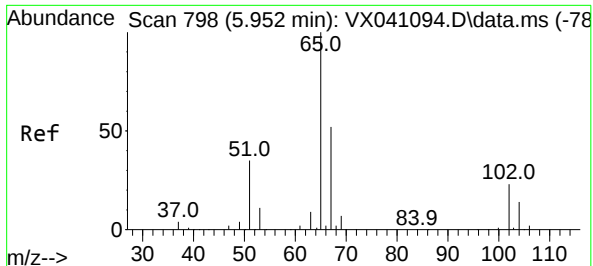
Ion Ratio Lower Upper

56 100

69 177.1 23.4 35.2#

84 141.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 52.096 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041181.D

Acq: 22 Apr 2024 10:12

Instrument :

MSVOA_X

ClientSampleId :

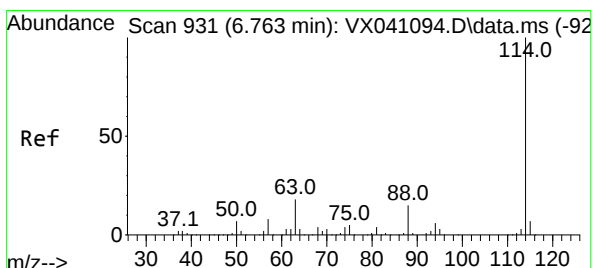
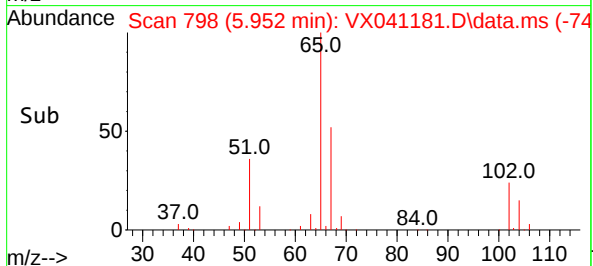
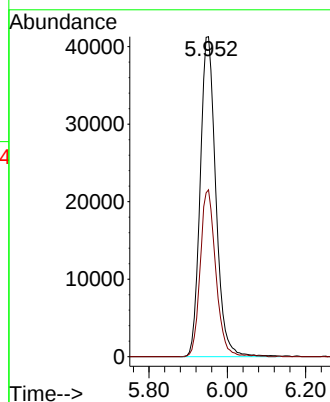
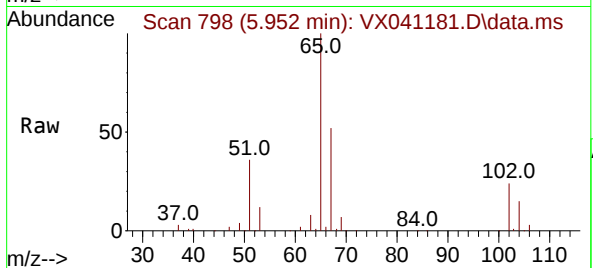
IBLK

Tgt Ion: 65 Resp: 114647

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX041181.D

Acq: 22 Apr 2024 10:12

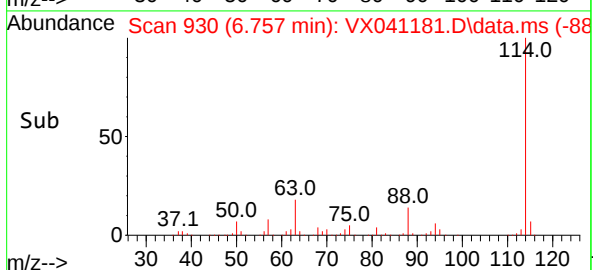
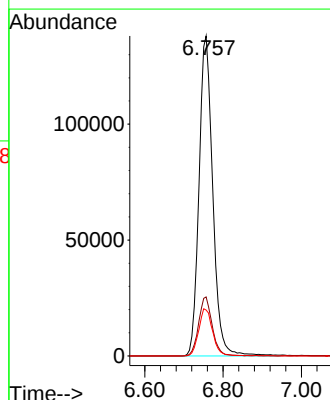
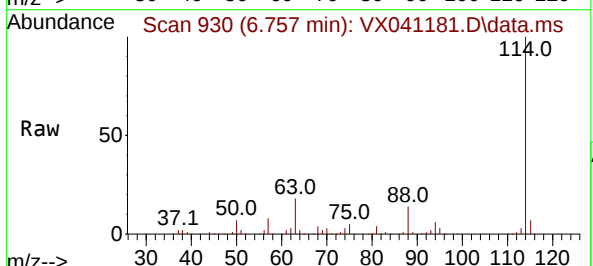
Tgt Ion: 114 Resp: 337712

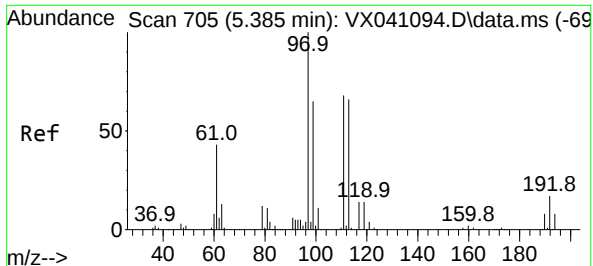
Ion Ratio Lower Upper

114 100

63 18.5 0.0 45.0

88 14.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 49.555 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX041181.D

Acq: 22 Apr 2024 10:12

Instrument :

MSVOA_X

ClientSampleId :

IBLK

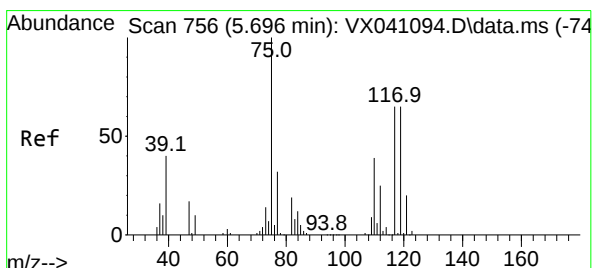
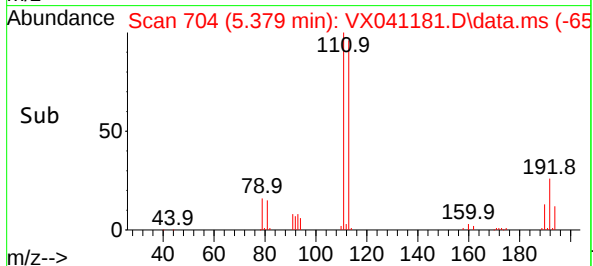
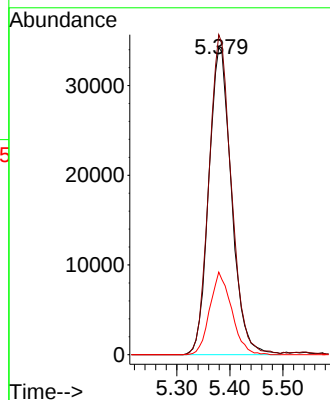
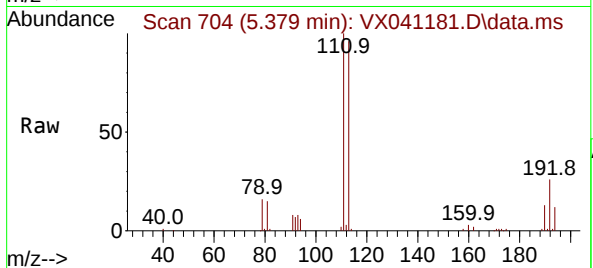
Tgt Ion:113 Resp: 101798

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

192 25.9 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 5.058 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.147 min

Lab File: VX041181.D

Acq: 22 Apr 2024 10:12

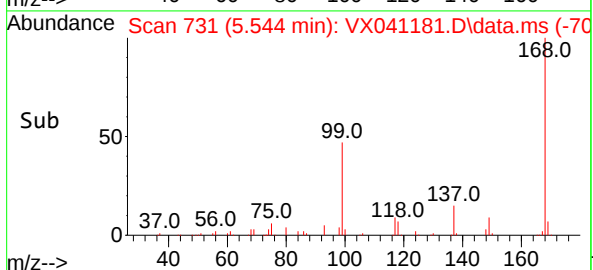
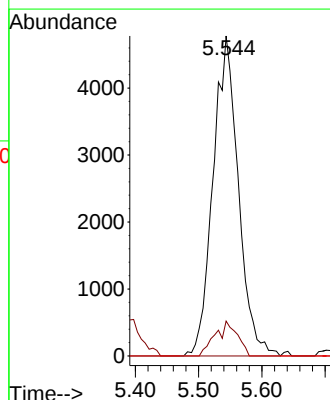
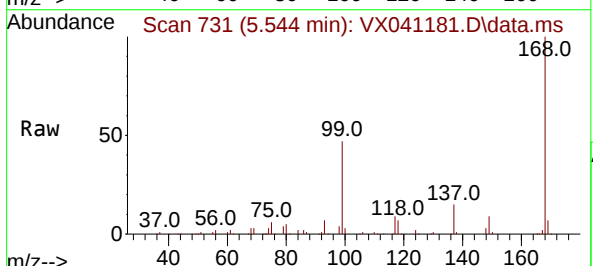
Tgt Ion: 75 Resp: 13295

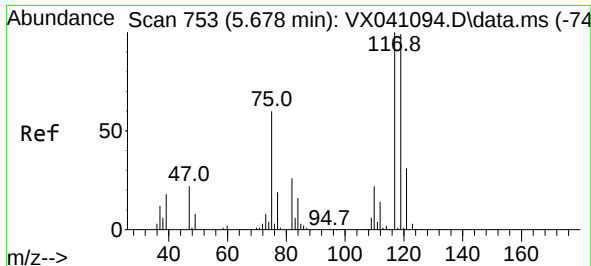
Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

77 0.0 24.7 37.1#

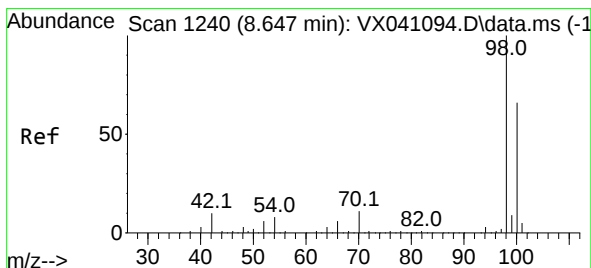
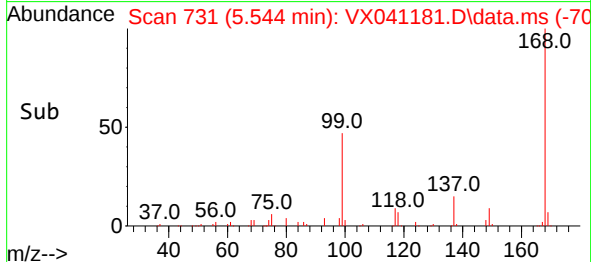
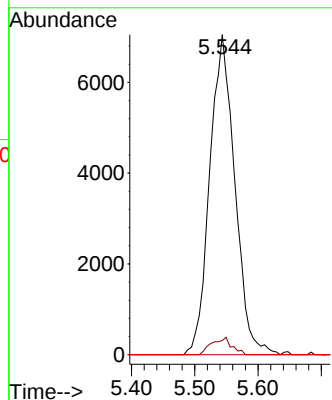
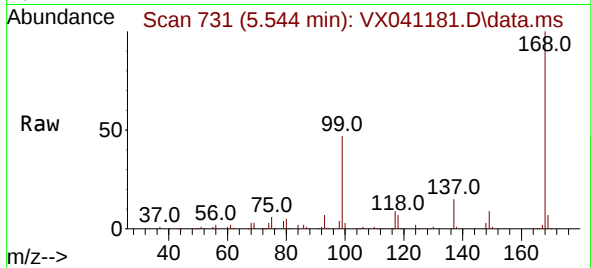




#38
Carbon Tetrachloride
Concen: 6.617 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

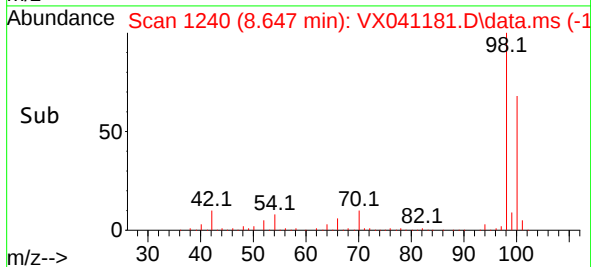
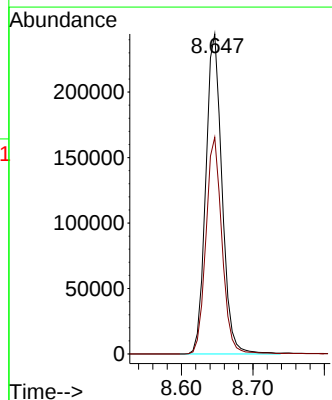
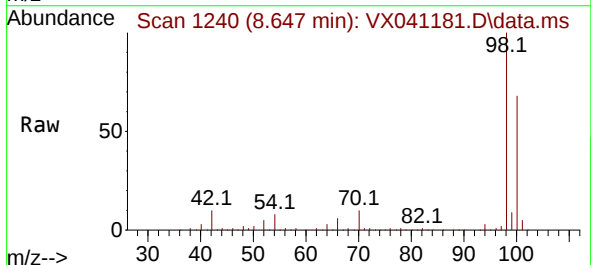
Instrument :
MSVOA_X
ClientSampleId :
IBLK

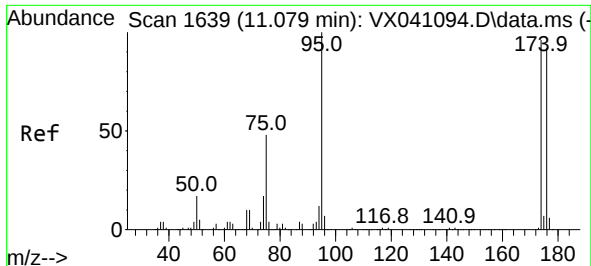
Tgt Ion:117 Resp: 19425
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 55.561 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

Tgt Ion: 98 Resp: 385086
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7

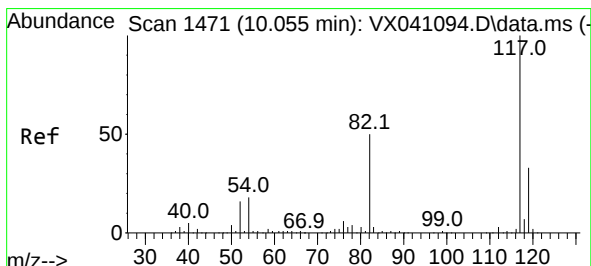
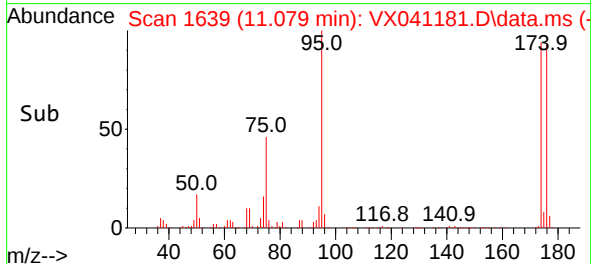
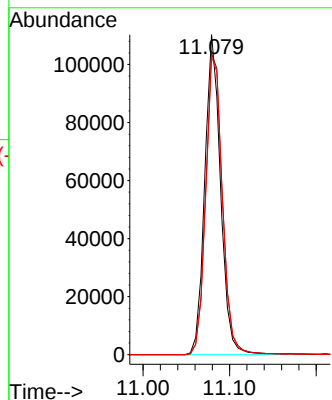
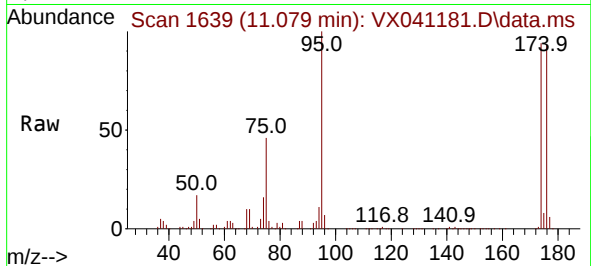




#62
4-Bromofluorobenzene
Concen: 54.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

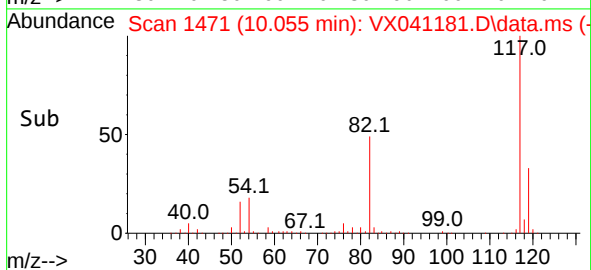
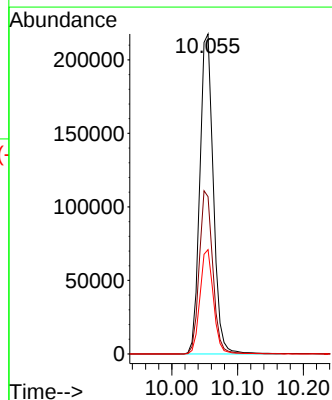
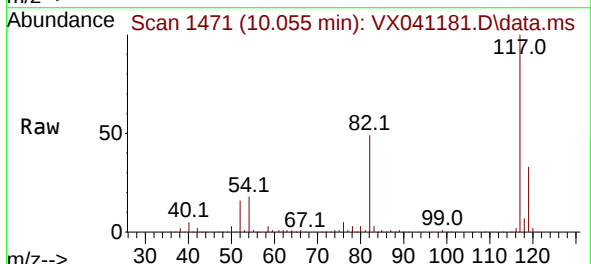
Instrument :
MSVOA_X
ClientSampleId :
IBLK

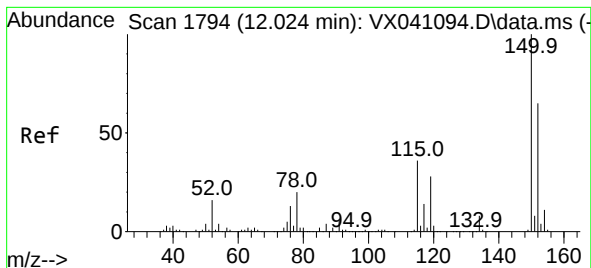
Tgt Ion: 95 Resp: 139531
Ion Ratio Lower Upper
95 100
174 100.1 0.0 135.6
176 98.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

Tgt Ion: 117 Resp: 311244
Ion Ratio Lower Upper
117 100
82 49.1 46.2 69.4
119 32.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041181.D

Acq: 22 Apr 2024 10:12

Instrument :

MSVOA_X

ClientSampleId :

IBLK

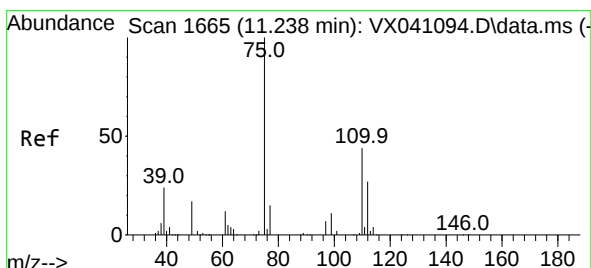
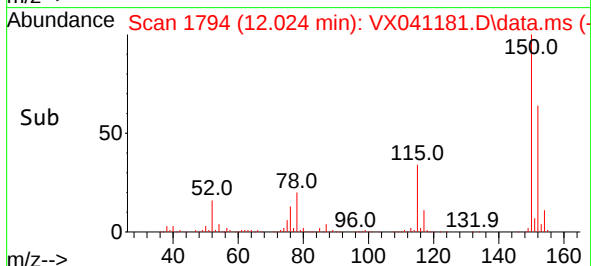
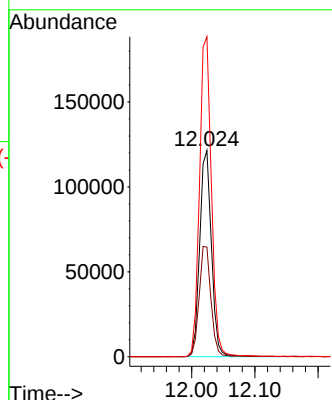
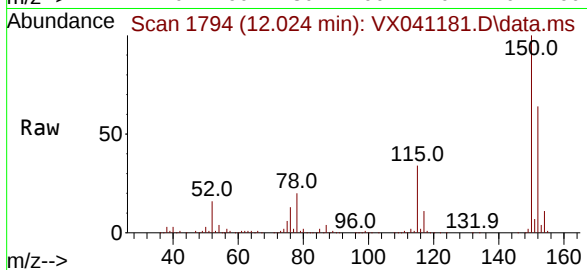
Tgt Ion:152 Resp: 157134

Ion Ratio Lower Upper

152 100

115 54.0 43.3 129.9

150 157.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.512 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041181.D

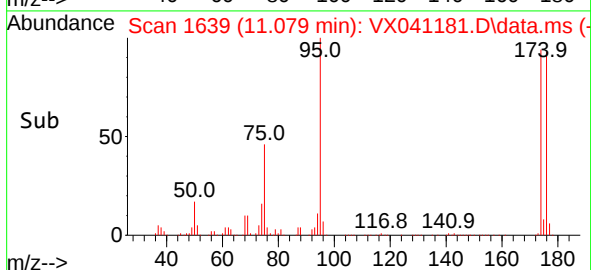
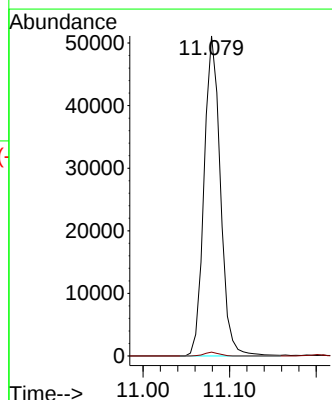
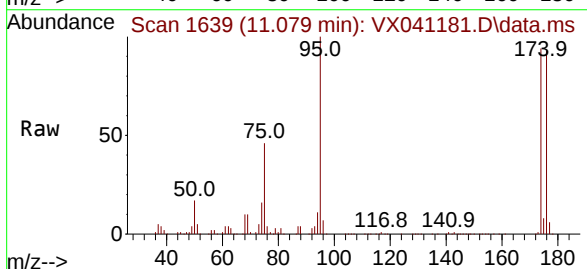
Acq: 22 Apr 2024 10:12

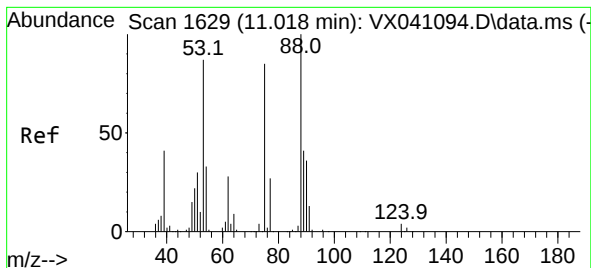
Tgt Ion: 75 Resp: 67120

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

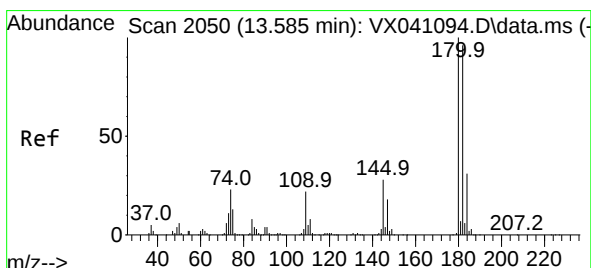
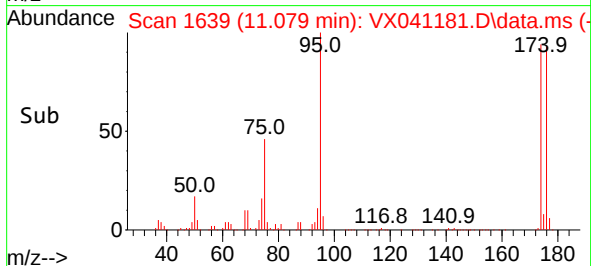
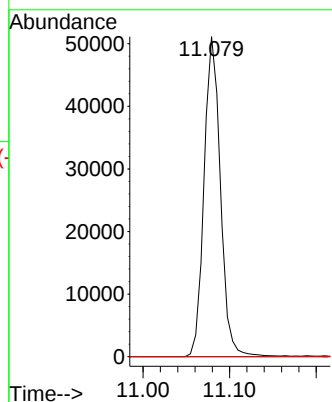
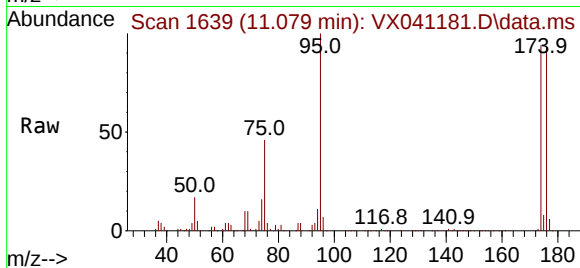




#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.798 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX041181.D
 Acq: 22 Apr 2024 10:12

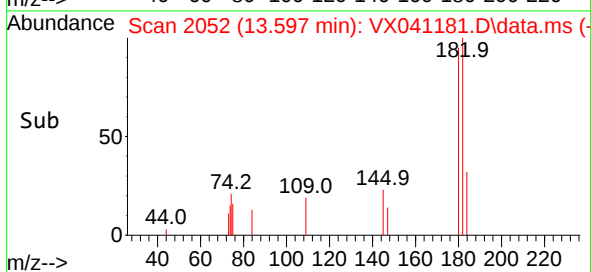
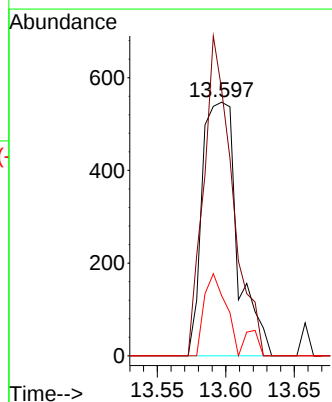
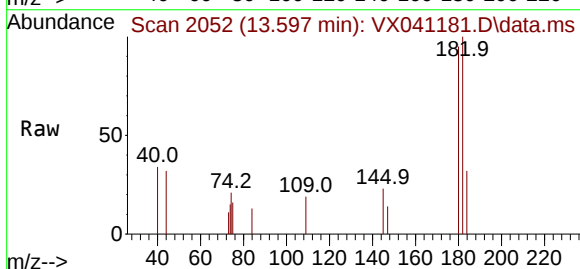
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

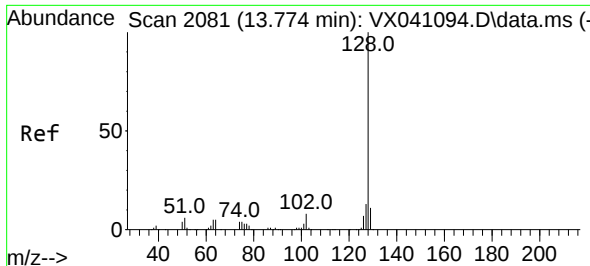
Tgt Ion: 75 Resp: 67120
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.275 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX041181.D
 Acq: 22 Apr 2024 10:12

Tgt Ion:180 Resp: 977
 Ion Ratio Lower Upper
 180 100
 182 103.0 48.3 144.8
 145 20.0 18.0 54.0

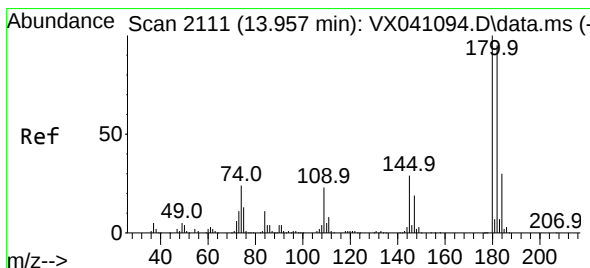
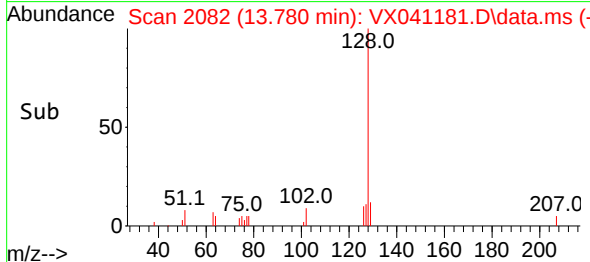
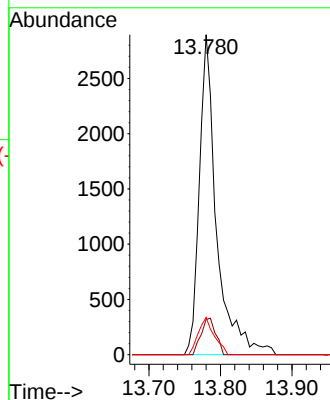
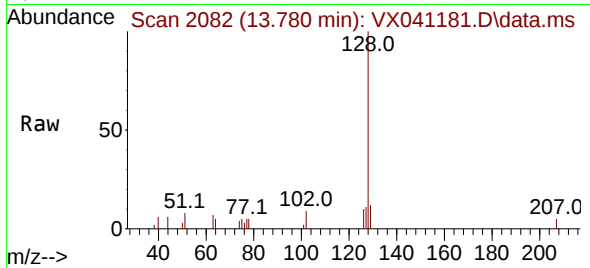




#95
Naphthalene
Concen: 0.475 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 4841
Ion Ratio Lower Upper
128 100
127 9.7 10.3 15.5#
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.327 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX041181.D
Acq: 22 Apr 2024 10:12

Tgt Ion:180 Resp: 1221
Ion Ratio Lower Upper
180 100
182 105.4 46.9 140.6
145 25.1 17.8 53.5

