

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022123\
 Data File : VX034208.D
 Acq On : 21 Feb 2023 14:41
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Feb 22 05:52:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

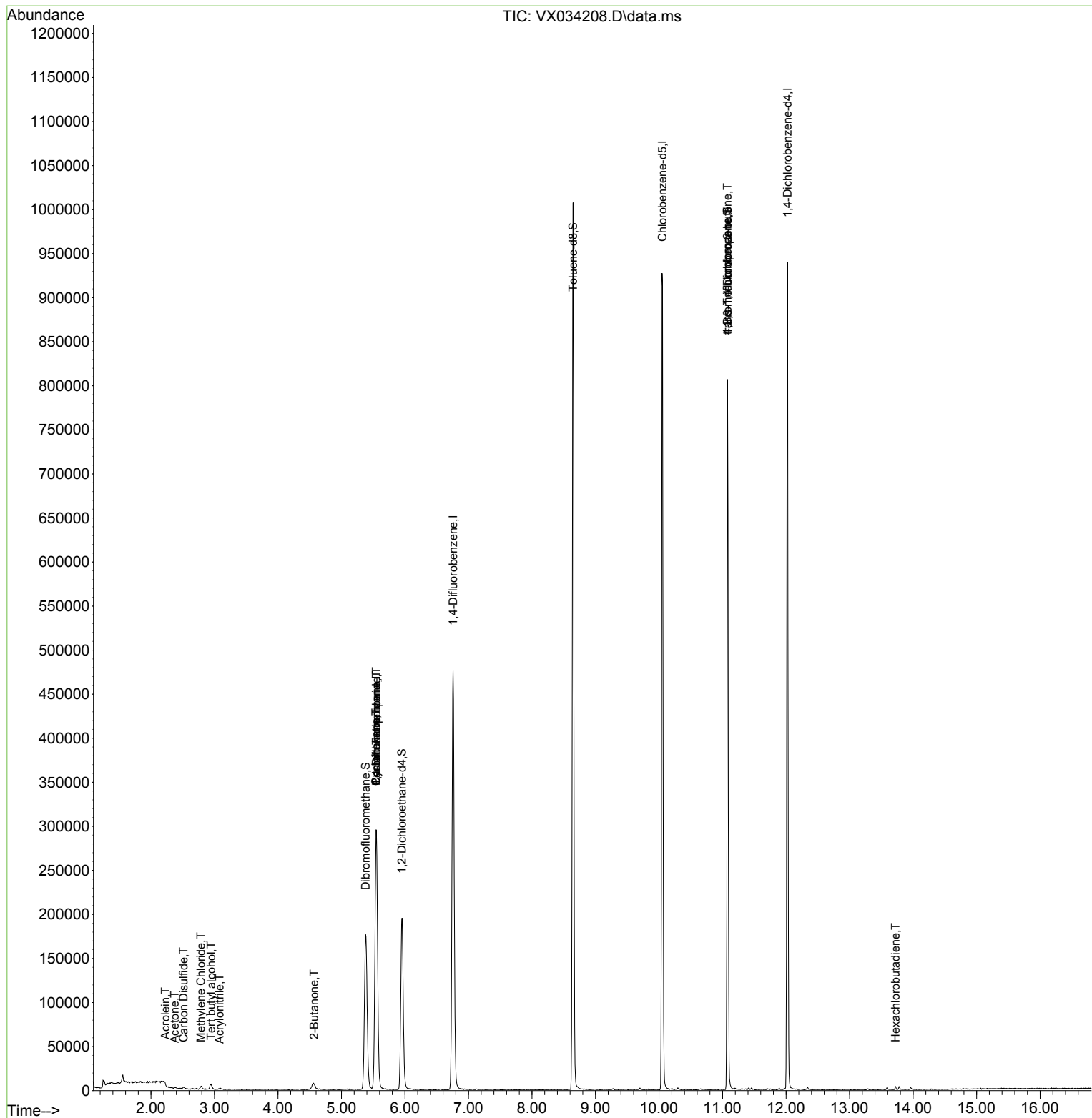
Internal Standards						
1) Pentafluorobenzene	5.550	168	302120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	505730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	446796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	204764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	179285	44.063	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.120%
35) Dibromofluoromethane	5.379	113	156096	47.405	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.820%
50) Toluene-d8	8.647	98	602937	51.000	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.000%
62) 4-Bromofluorobenzene	11.079	95	209794	46.393	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.780%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	421	Below Cal	#	72
11) Tert butyl alcohol	2.947	59	3108	3.415	ug/l	98
13) Acrolein	2.227	56	751	1.808	ug/l #	14
15) Acrylonitrile	3.081	53	652	0.328	ug/l #	62
16) Acetone	2.374	43	1764	0.840	ug/l #	88
17) Carbon Disulfide	2.514	76	2311	0.246	ug/l	97
20) Methylene Chloride	2.788	84	1799	0.476	ug/l #	76
25) 2-Butanone	4.568	43	611	0.201	ug/l #	51
31) Cyclohexane	5.544	56	6006	0.989	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	22869	4.696	ug/l #	44
38) Carbon Tetrachloride	5.550	117	28121	5.612	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	103153	20.020	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	103153	51.430	ug/l #	8
94) Hexachlorobutadiene	13.725	225	550	0.300	ug/l	92

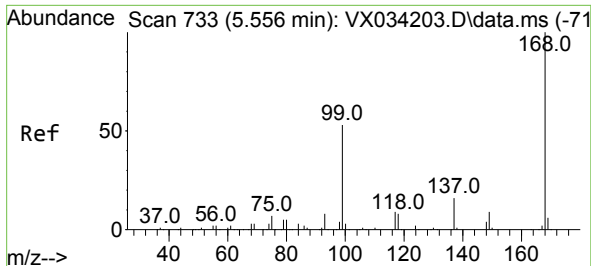
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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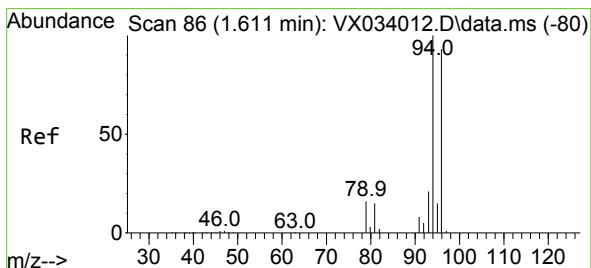
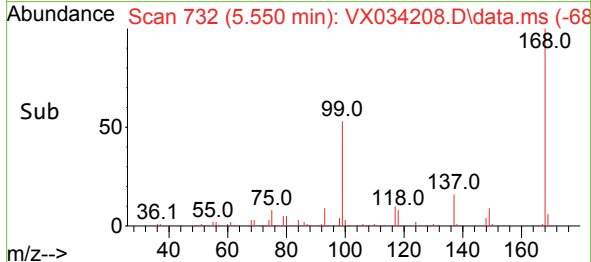
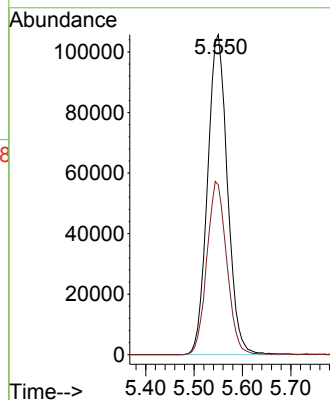
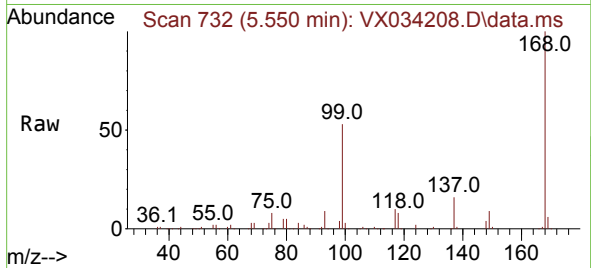




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

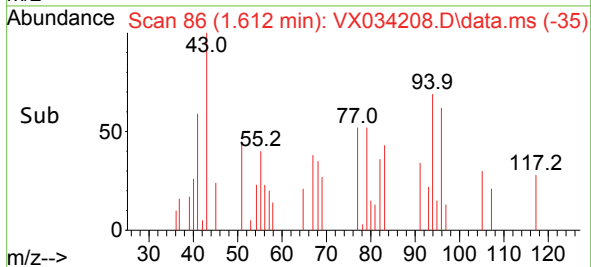
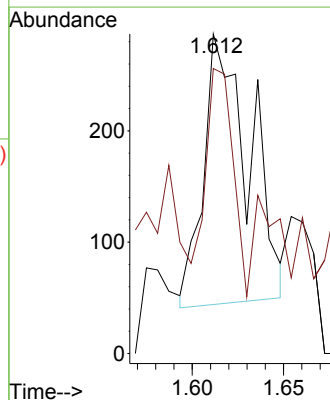
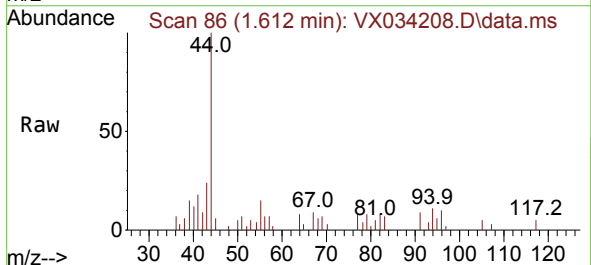
Instrument :
MSVOA_X
ClientSampleId :
IBLK

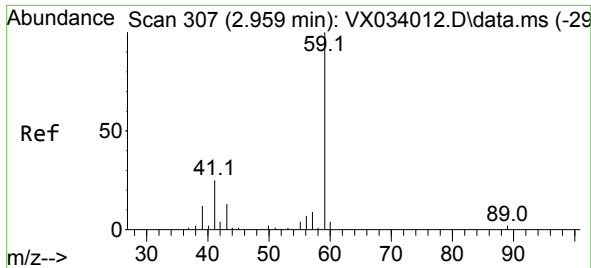
Tgt Ion:168 Resp: 302120
Ion Ratio Lower Upper
168 100
99 53.1 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

Tgt Ion: 94 Resp: 421
Ion Ratio Lower Upper
94 100
96 66.4 74.3 111.5#

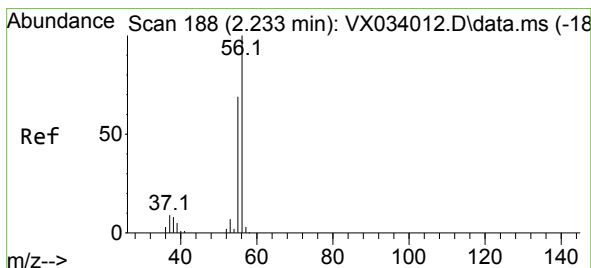
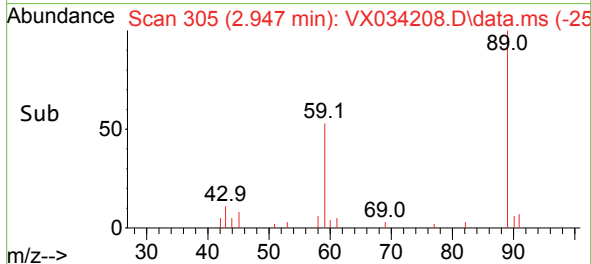
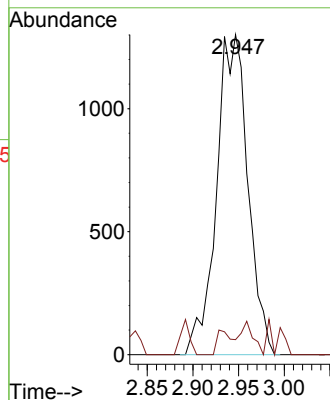
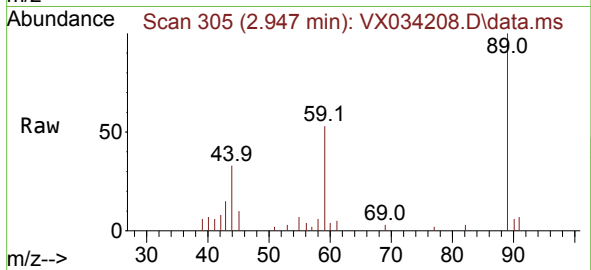




#11
Tert butyl alcohol
Concen: 3.415 ug/l
RT: 2.947 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

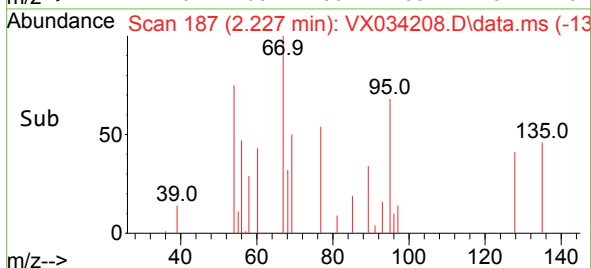
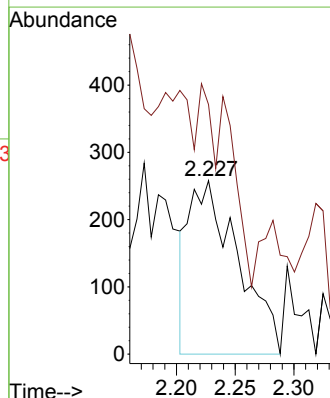
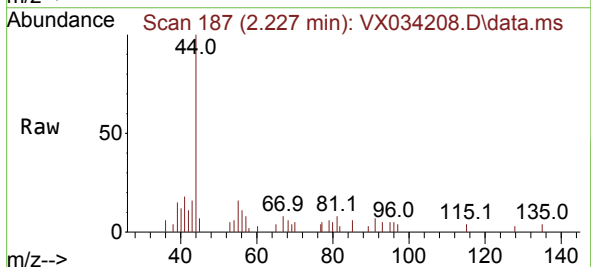
Instrument :
MSVOA_X
ClientSampleId :
IBLK

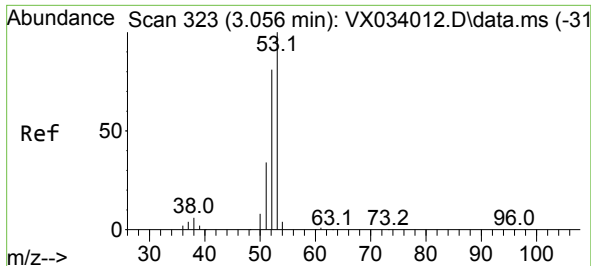
Tgt Ion: 59 Resp: 3108
Ion Ratio Lower Upper
59 100
57 4.1 3.7 5.5



#13
Acrolein
Concen: 1.808 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

Tgt Ion: 56 Resp: 751
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#

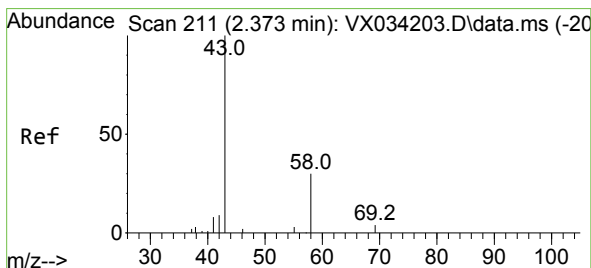
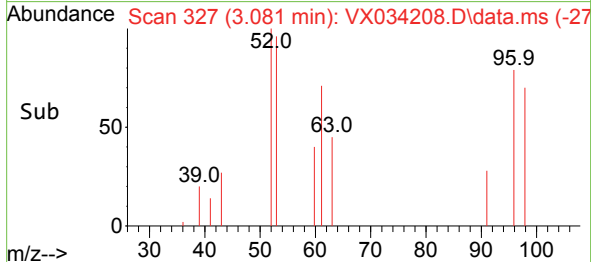
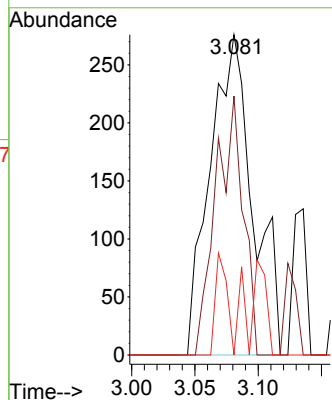
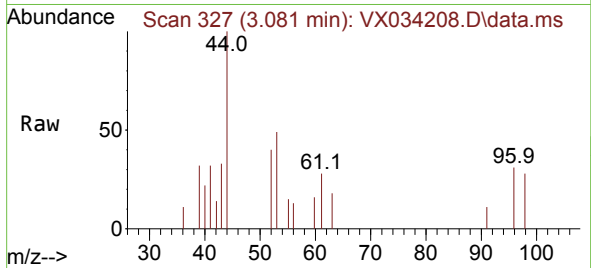




#15
Acrylonitrile
Concen: 0.328 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.025 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

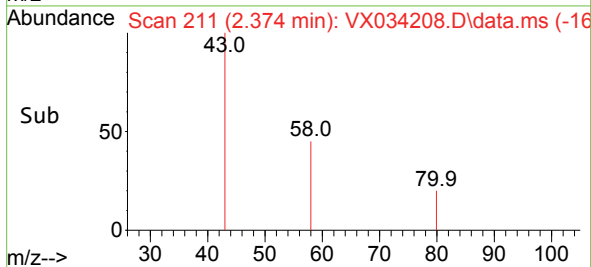
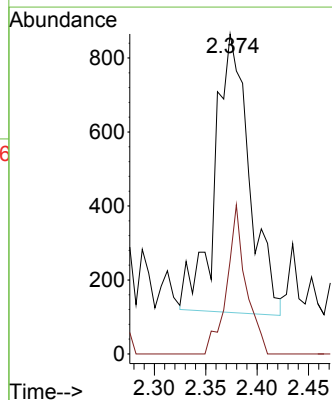
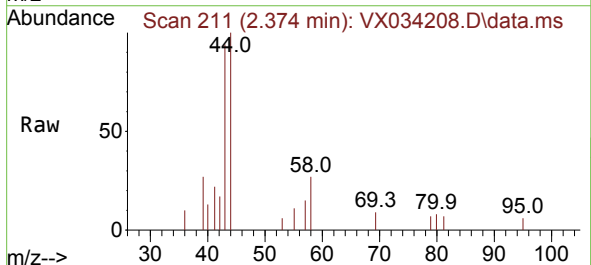
Instrument :
MSVOA_X
ClientSampleId :
IBLK

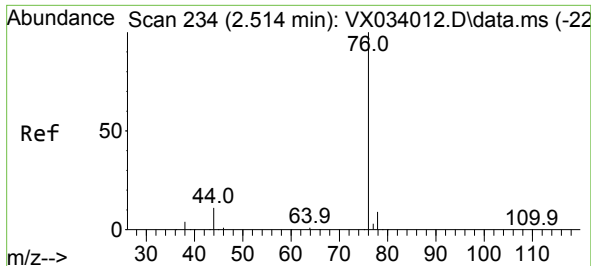
Tgt Ion: 53 Resp: 652
Ion Ratio Lower Upper
53 100
52 51.5 65.7 98.5#
51 8.6 29.0 43.4#



#16
Acetone
Concen: 0.840 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
58 34.3 22.6 33.8#





#17

Carbon Disulfide

Concen: 0.246 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX034208.D

Acq: 21 Feb 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

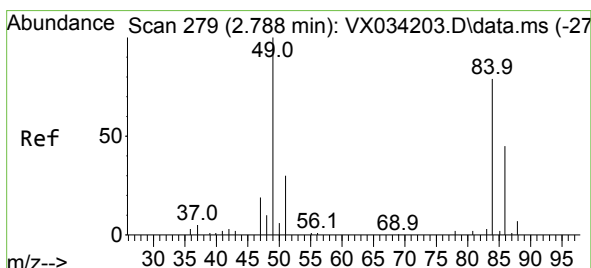
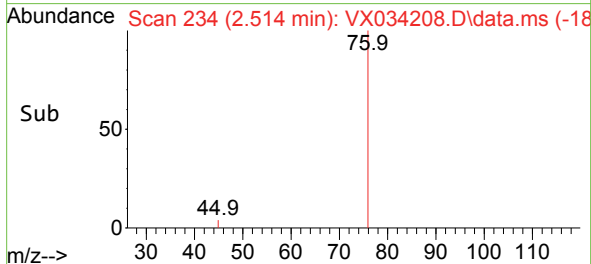
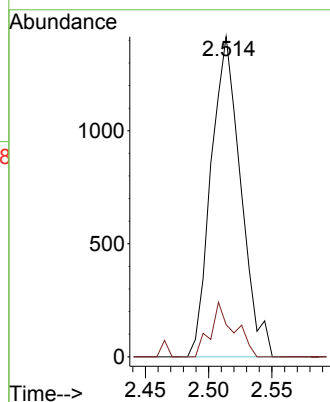
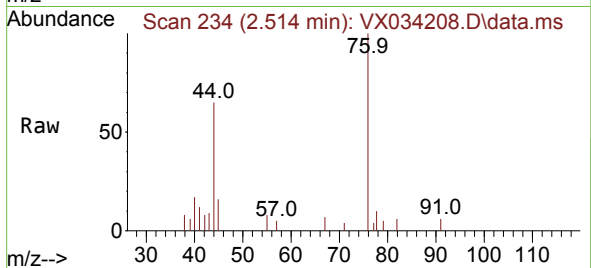
IBLK

Tgt Ion: 76 Resp: 2311

Ion Ratio Lower Upper

76 100

78 10.0 7.0 10.6



#20

Methylene Chloride

Concen: 0.476 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX034208.D

Acq: 21 Feb 2023 14:41

Tgt Ion: 84 Resp: 1799

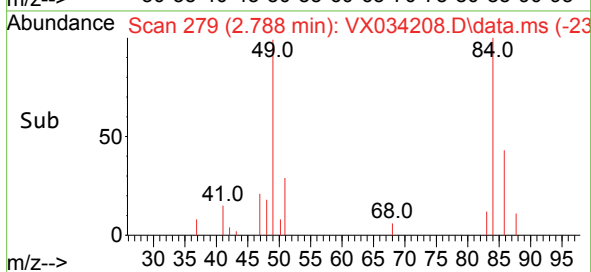
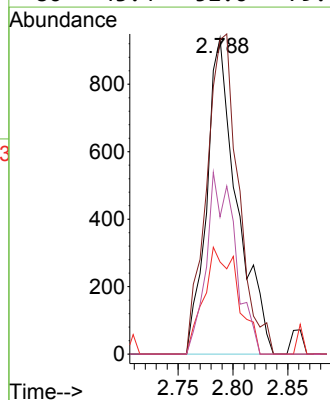
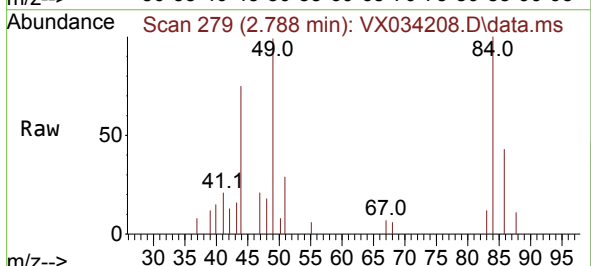
Ion Ratio Lower Upper

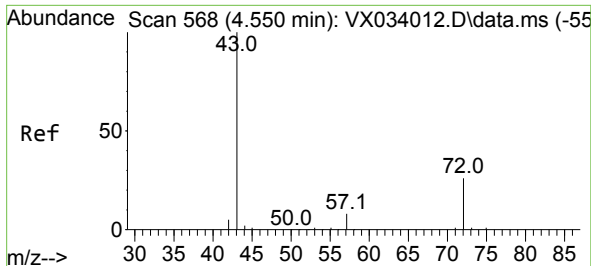
84 100

49 99.5 101.1 151.7#

51 29.1 31.0 46.6#

86 43.4 52.6 79.0#

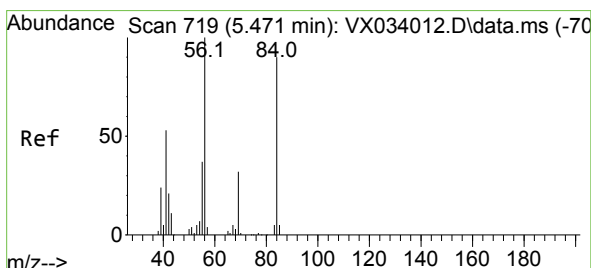
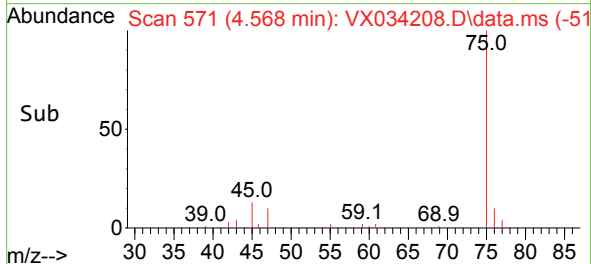
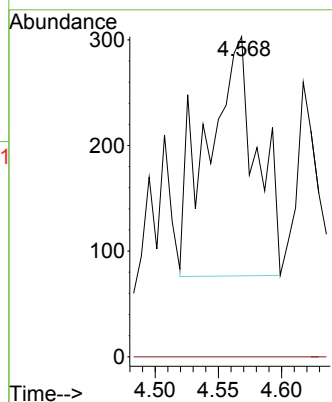
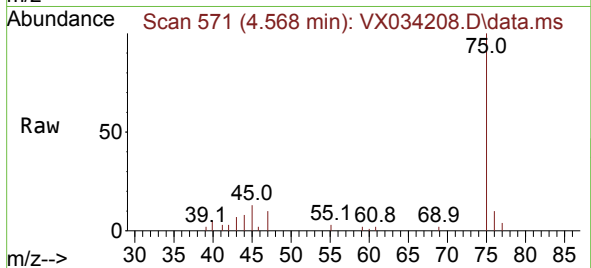




#25
2-Butanone
Concen: 0.201 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

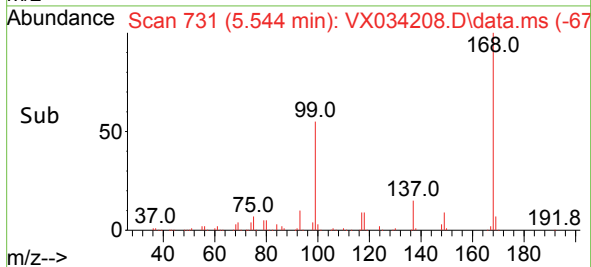
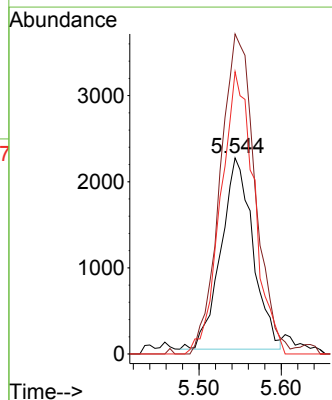
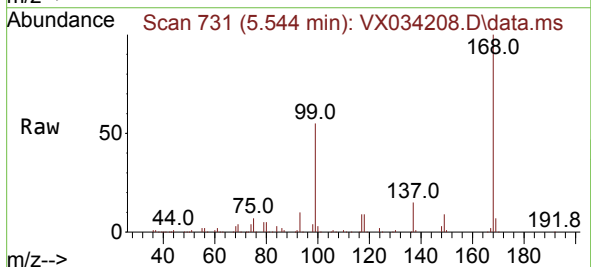
Instrument :
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IBLK

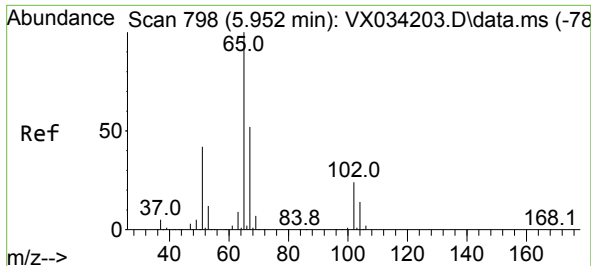
Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.989 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

Tgt Ion: 56 Resp: 6006
Ion Ratio Lower Upper
56 100
69 167.5 24.6 37.0#
84 147.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.063 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX034208.D

Acq: 21 Feb 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

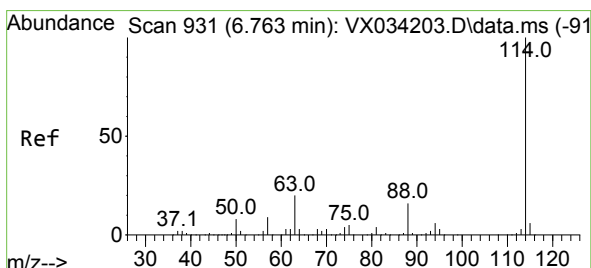
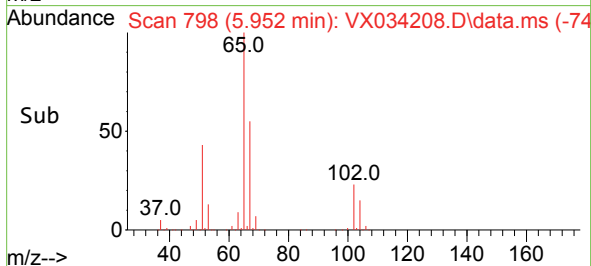
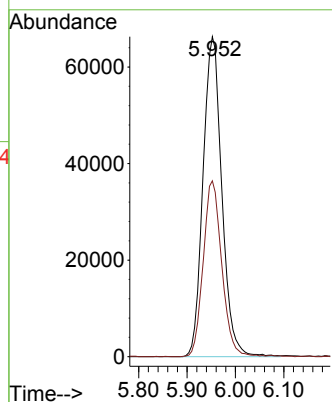
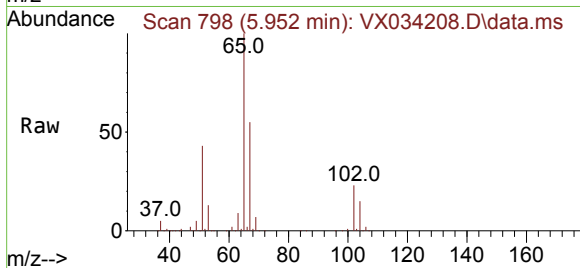
IBLK

Tgt Ion: 65 Resp: 179285

Ion Ratio Lower Upper

65 100

67 54.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX034208.D

Acq: 21 Feb 2023 14:41

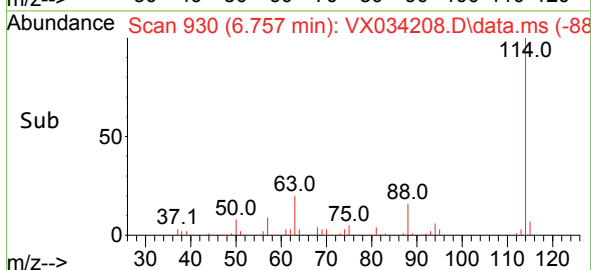
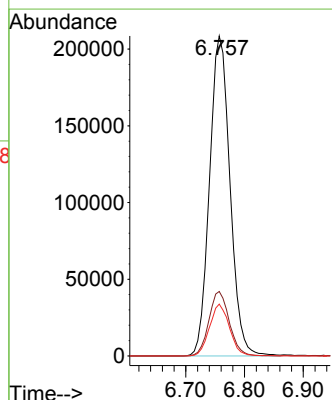
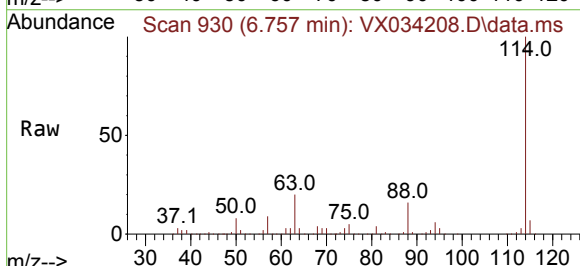
Tgt Ion: 114 Resp: 505730

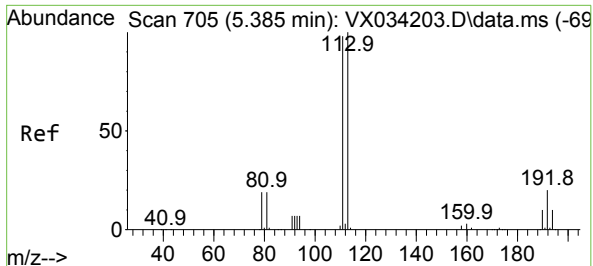
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 16.2 0.0 30.6

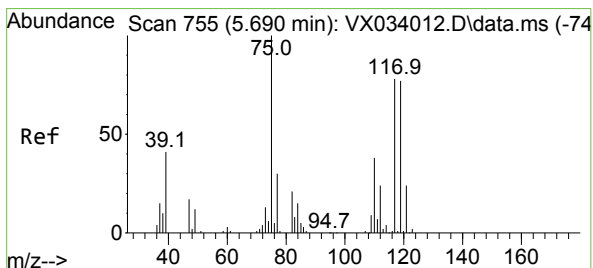
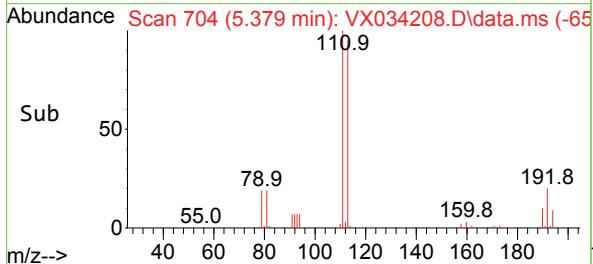
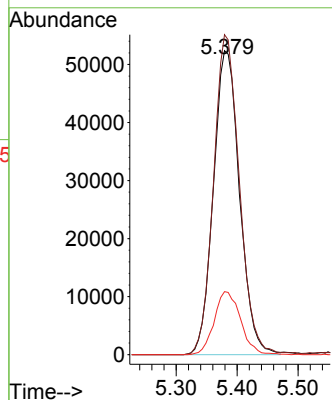
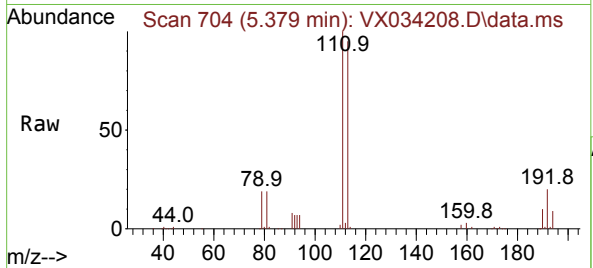




#35
Dibromofluoromethane
Concen: 47.405 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

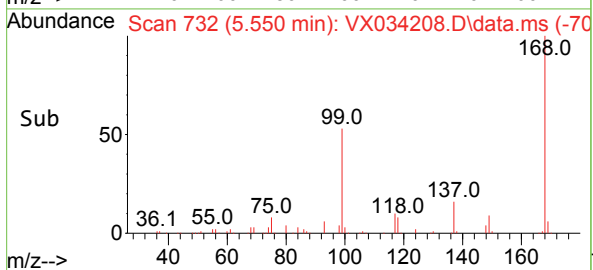
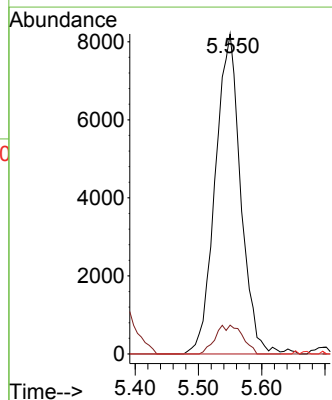
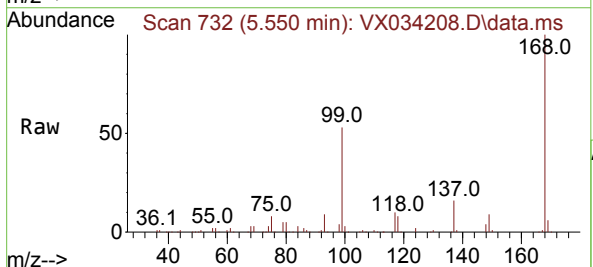
Instrument :
MSVOA_X
ClientSampleId :
IBLK

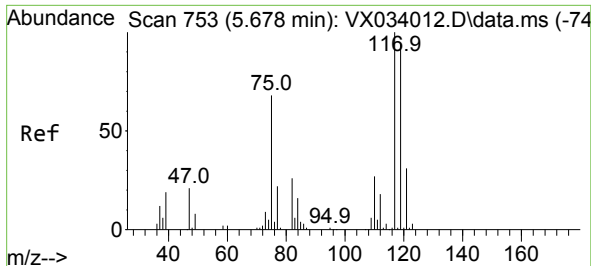
Tgt Ion:113 Resp: 156096
Ion Ratio Lower Upper
113 100
111 104.2 83.0 124.6
192 21.0 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.696 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

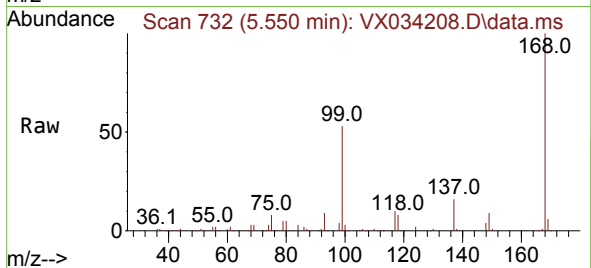
Tgt Ion: 75 Resp: 22869
Ion Ratio Lower Upper
75 100
110 4.4 18.8 56.4#
77 0.0 25.1 37.7#



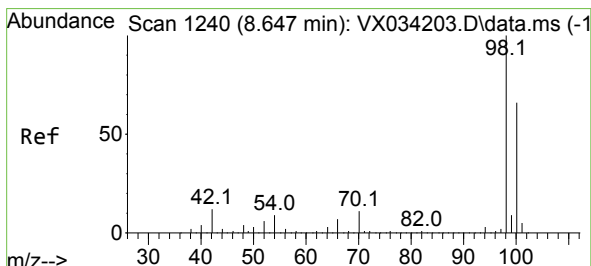
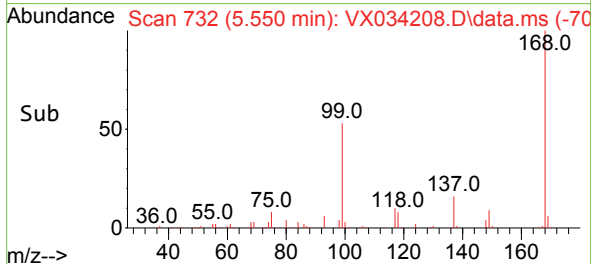
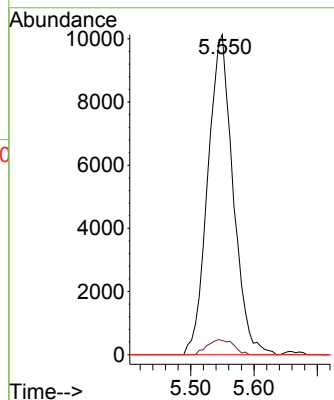


#38
Carbon Tetrachloride
Concen: 5.612 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

Instrument :
MSVOA_X
ClientSampleId :
IBLK

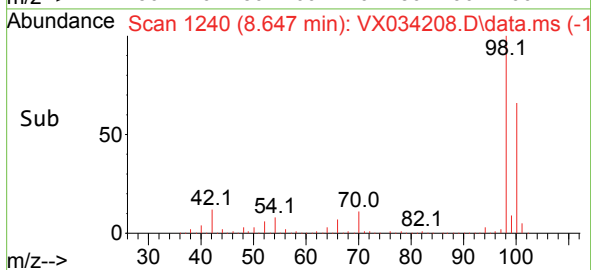
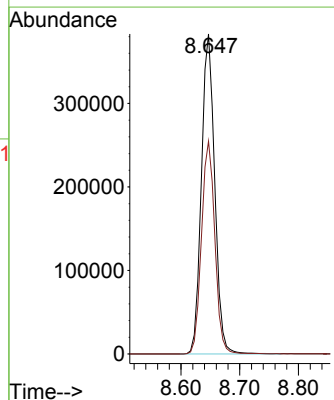
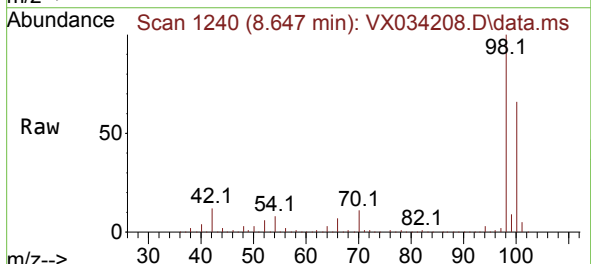


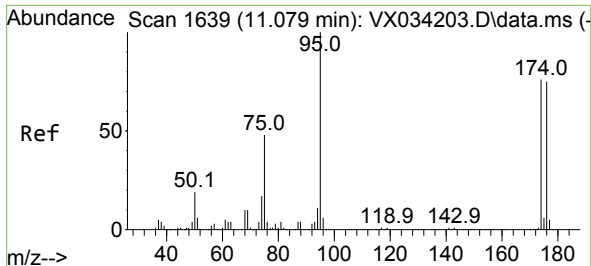
Tgt Ion:117 Resp: 28121
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 51.000 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

Tgt Ion: 98 Resp: 602937
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4

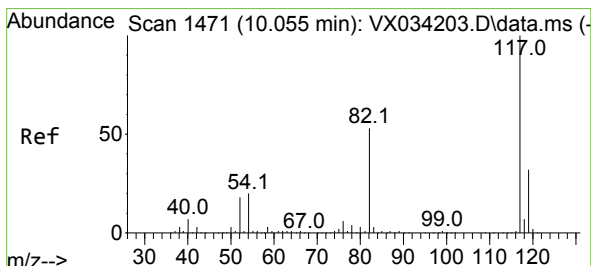
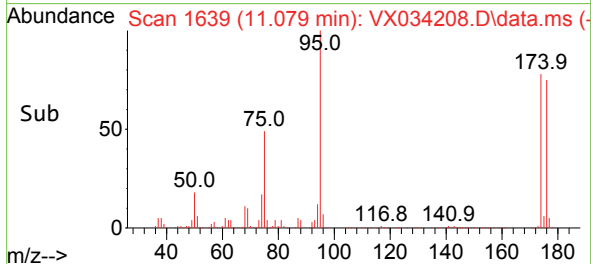
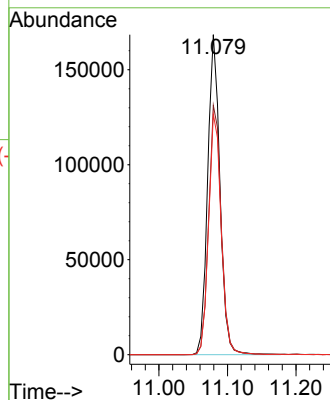
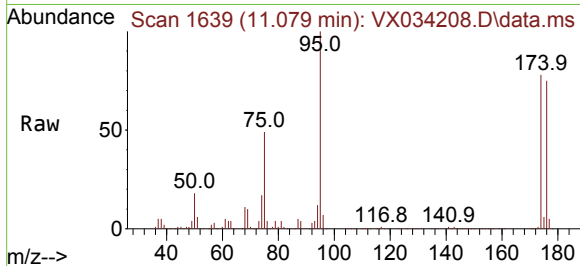




#62
4-Bromofluorobenzene
Concen: 46.393 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

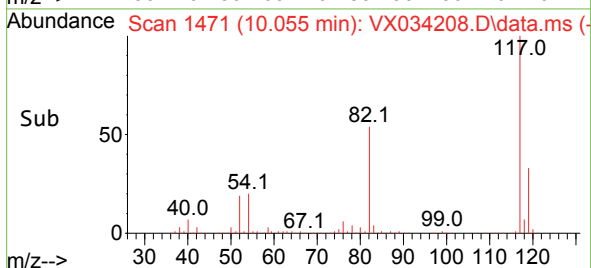
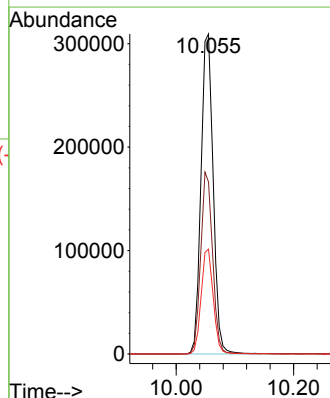
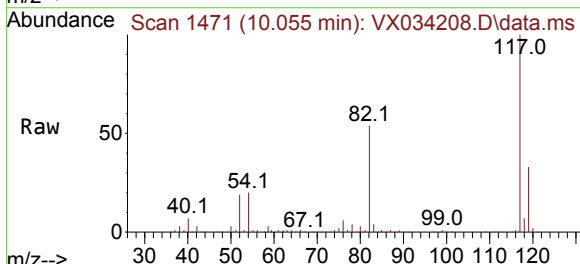
Instrument :
MSVOA_X
ClientSampleId :
IBLK

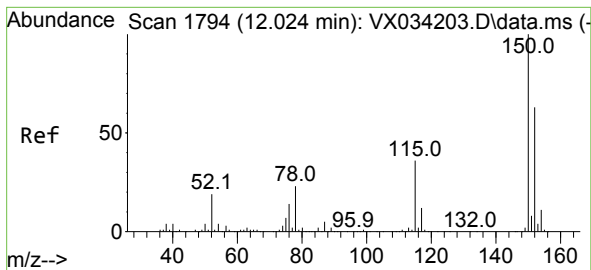
Tgt Ion: 95 Resp: 209794
Ion Ratio Lower Upper
95 100
174 80.2 0.0 184.4
176 77.4 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

Tgt Ion: 117 Resp: 446796
Ion Ratio Lower Upper
117 100
82 53.7 40.6 60.8
119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034208.D

Acq: 21 Feb 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

IBLK

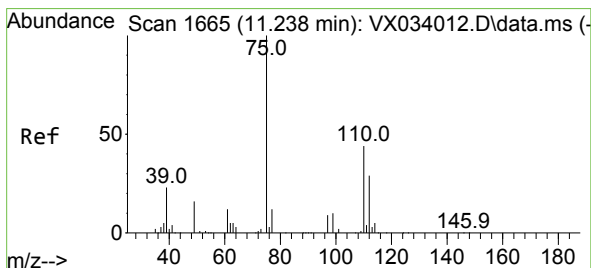
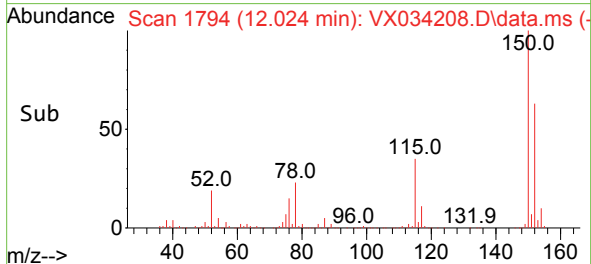
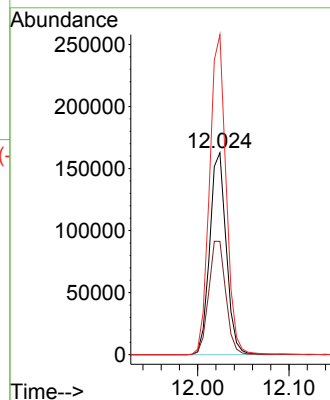
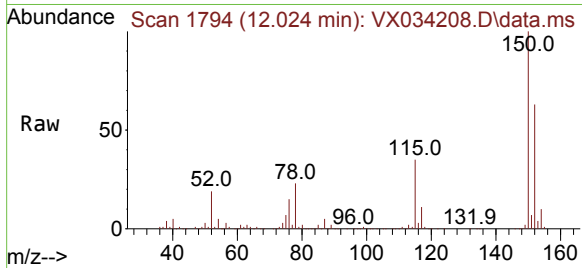
Tgt Ion:152 Resp: 204764

Ion Ratio Lower Upper

152 100

115 58.0 38.7 116.1

150 158.6 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 20.020 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034208.D

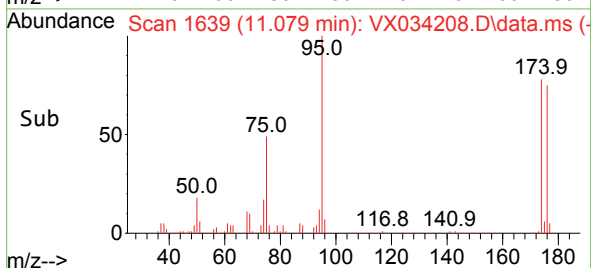
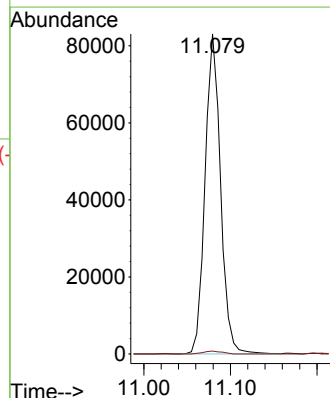
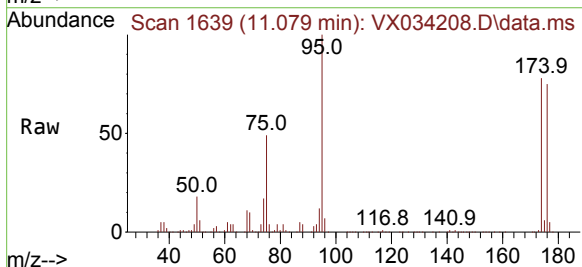
Acq: 21 Feb 2023 14:41

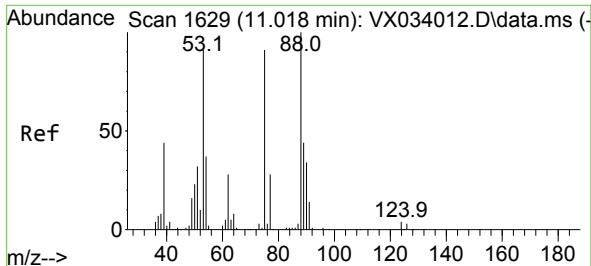
Tgt Ion: 75 Resp: 103153

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.4#

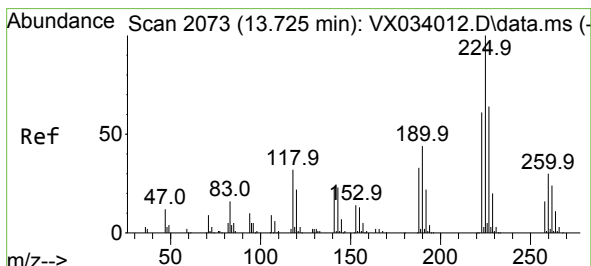
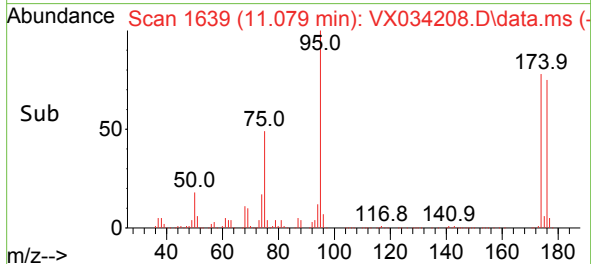
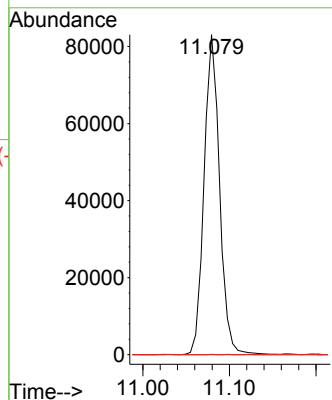
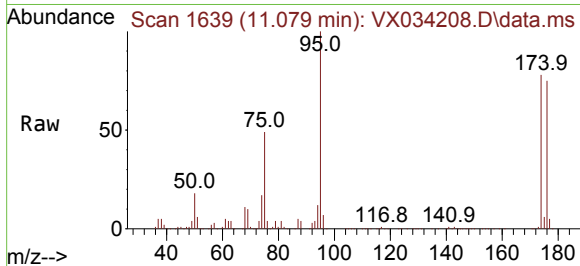




#81
trans-1,4-Dichloro-2-butene
Concen: 51.430 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 103153
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#94
Hexachlorobutadiene
Concen: 0.300 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX034208.D
Acq: 21 Feb 2023 14:41

Tgt Ion: 225 Resp: 550
Ion Ratio Lower Upper
225 100
223 52.2 31.3 93.9
227 67.3 32.3 96.9

