

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092723\
 Data File : VX037916.D
 Acq On : 27 Sep 2023 11:53
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Sep 28 01:18:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

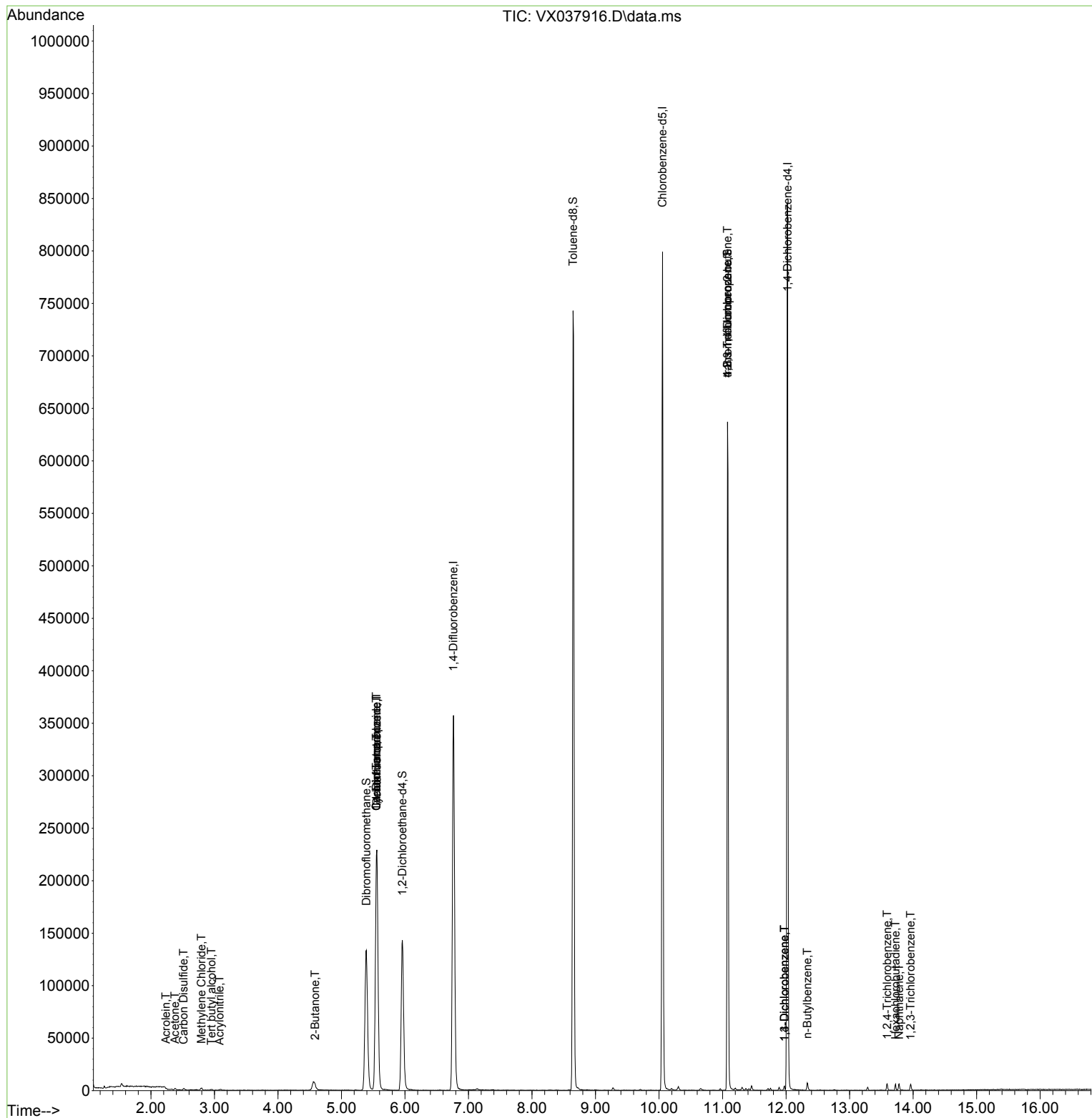
Internal Standards						
1) Pentafluorobenzene	5.556	168	224089	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	377014	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	357757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	137091	46.563	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.120%		
35) Dibromofluoromethane	5.391	113	117603	46.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.240%		
50) Toluene-d8	8.647	98	456947	48.751	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.500%		
62) 4-Bromofluorobenzene	11.079	95	167318	49.124	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.240%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	452	0.715	ug/l	# 78
13) Acrolein	2.233	56	347	0.556	ug/l	# 56
15) Acrylonitrile	3.081	53	371	0.264	ug/l	# 75
16) Acetone	2.380	43	1319	0.931	ug/l	92
17) Carbon Disulfide	2.514	76	1626	0.297	ug/l	# 86
20) Methylene Chloride	2.794	84	1072	0.384	ug/l	# 76
25) 2-Butanone	4.586	43	729	0.365	ug/l	# 51
31) Cyclohexane	5.550	56	4857	1.285	ug/l	# 18
36) 1,1-Dichloropropene	5.550	75	17051	4.907	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	22317	6.138	ug/l	# 15
76) 1,2,3-Trichloropropane	11.079	75	84387	20.069	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	84387	64.288	ug/l	# 5
87) 1,3-Dichlorobenzene	11.975	146	1392	0.226	ug/l	94
88) 1,4-Dichlorobenzene	11.975	146	1392	0.221	ug/l	95
89) n-Butylbenzene	12.335	91	2459	0.244	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	1763	0.476	ug/l	90
94) Hexachlorobutadiene	13.725	225	765	0.443	ug/l	88
95) Naphthalene	13.780	128	4310	0.344	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1664	0.437	ug/l	90

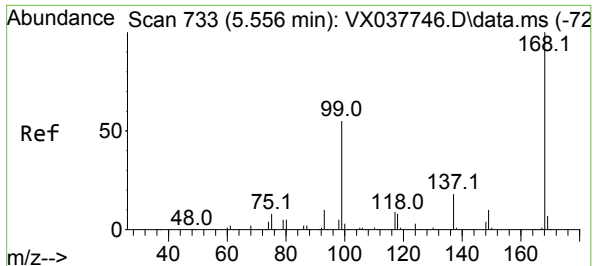
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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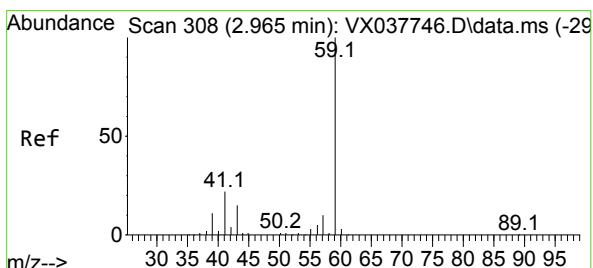
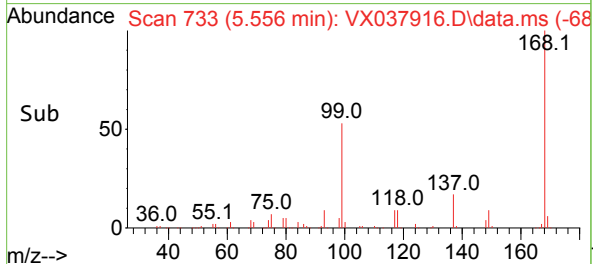
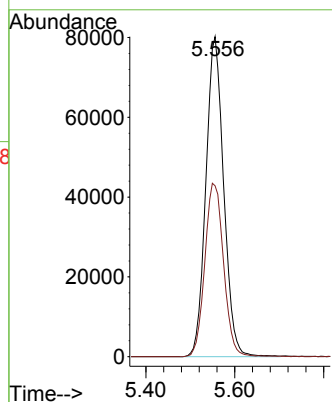
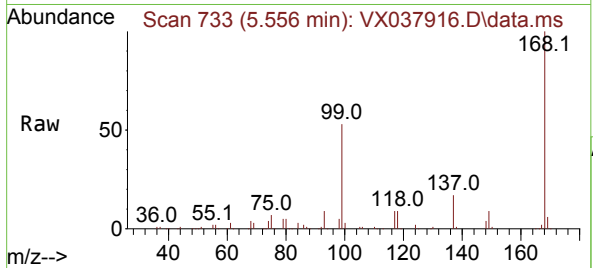




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

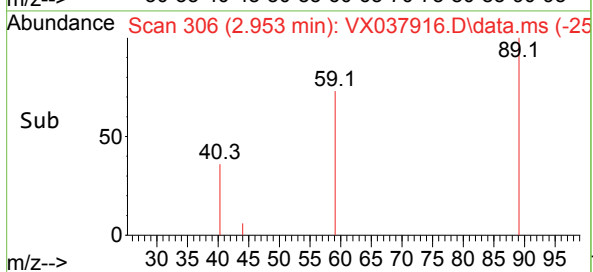
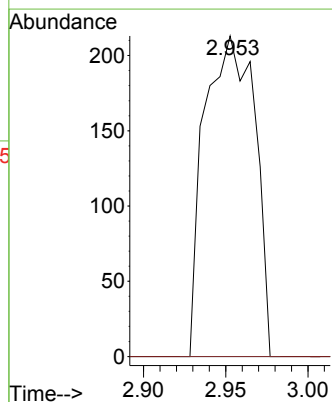
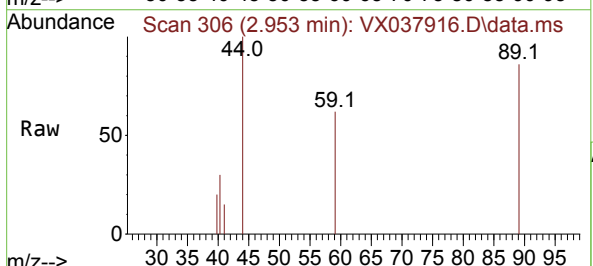
Instrument :
MSVOA_X
ClientSampleId :
IBLK

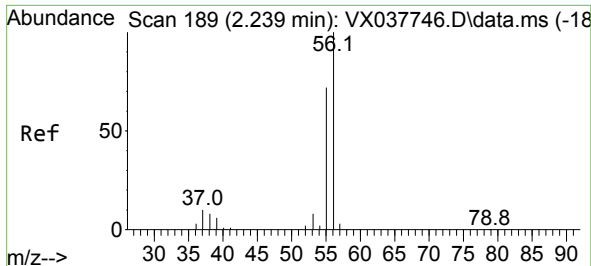
Tgt Ion:168 Resp: 224089
Ion Ratio Lower Upper
168 100
99 53.4 56.6 85.0#



#11
Tert butyl alcohol
Concen: 0.715 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

Tgt Ion: 59 Resp: 452
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

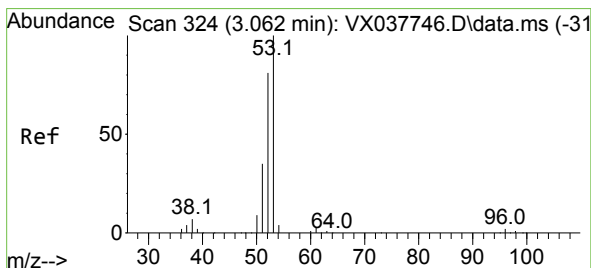
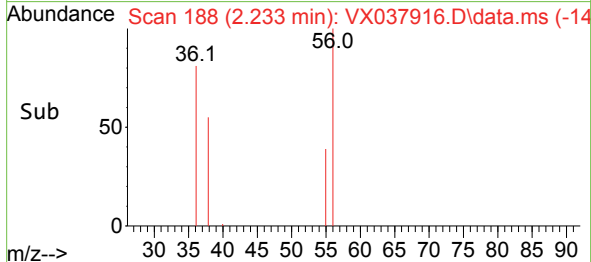
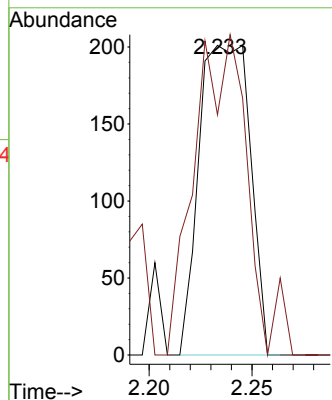
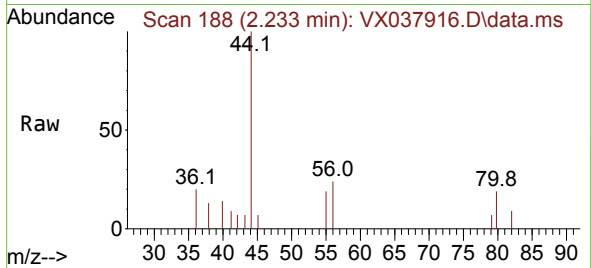




#13
Acrolein
Concen: 0.556 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

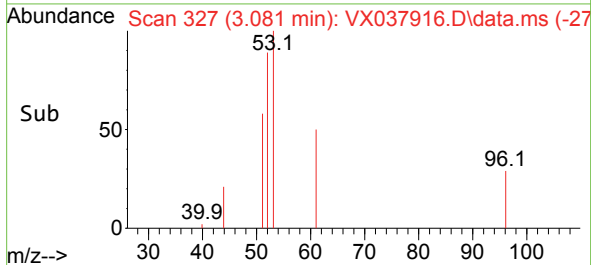
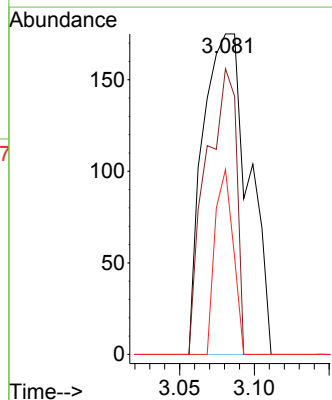
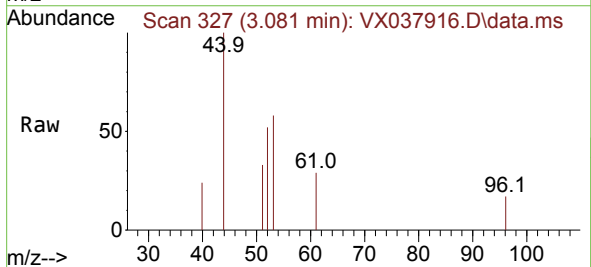
Instrument :
MSVOA_X
ClientSampleId :
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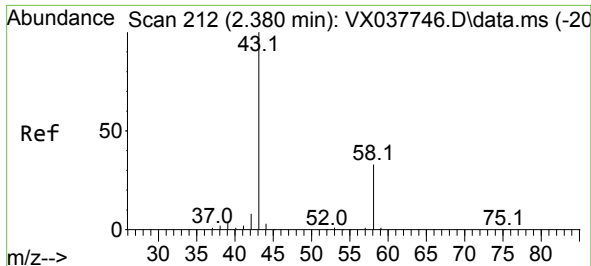
Tgt Ion: 56 Resp: 347
Ion Ratio Lower Upper
56 100
55 108.1 57.1 85.7#



#15
Acrylonitrile
Concen: 0.264 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.012 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

Tgt Ion: 53 Resp: 371
Ion Ratio Lower Upper
53 100
52 59.3 66.0 99.0#
51 23.2 29.8 44.6#

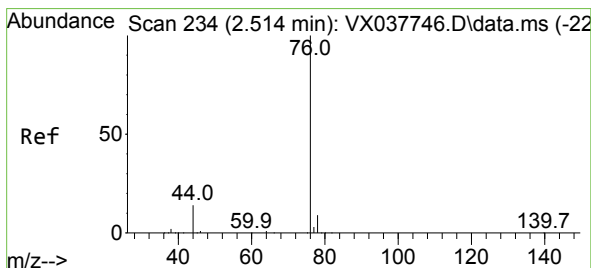
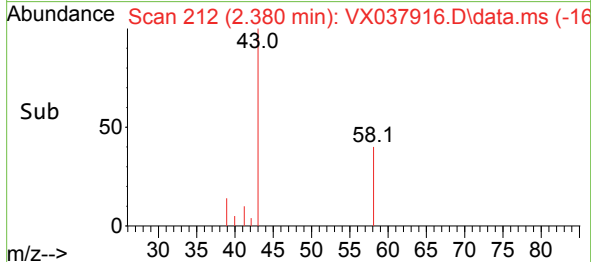
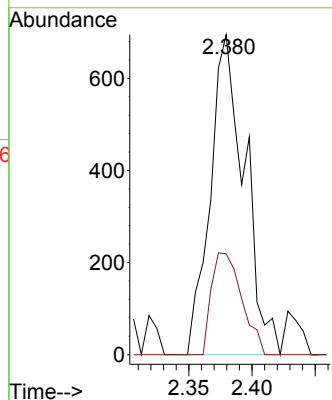
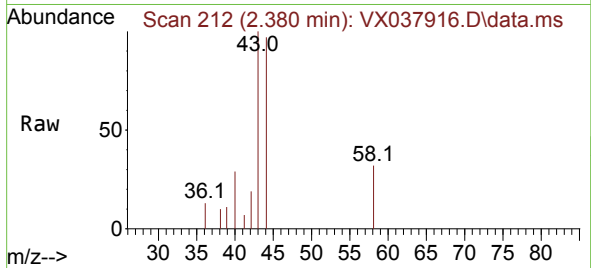




#16
Acetone
Concen: 0.931 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

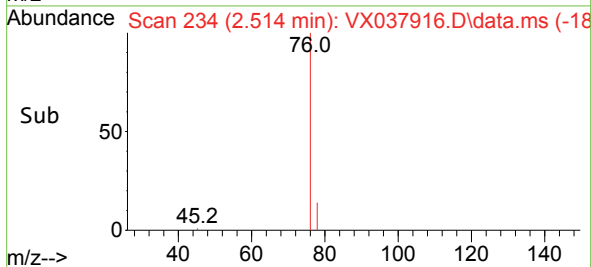
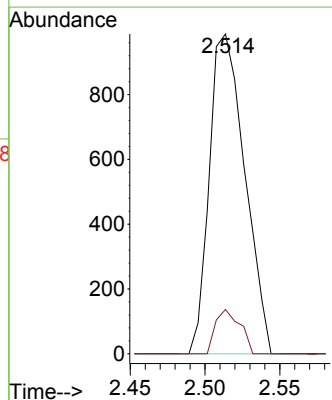
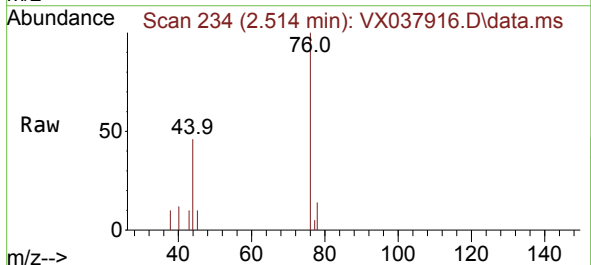
Instrument :
MSVOA_X
ClientSampleId :
IBLK

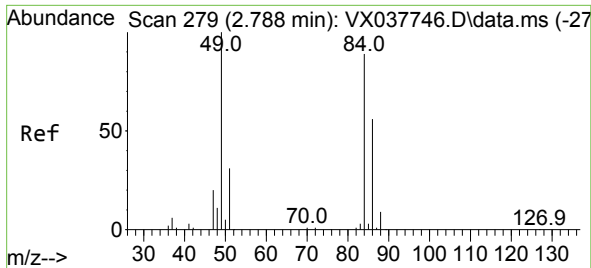
Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 31.5 21.9 32.9



#17
Carbon Disulfide
Concen: 0.297 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

Tgt Ion: 76 Resp: 1626
Ion Ratio Lower Upper
76 100
78 13.9 7.0 10.6#

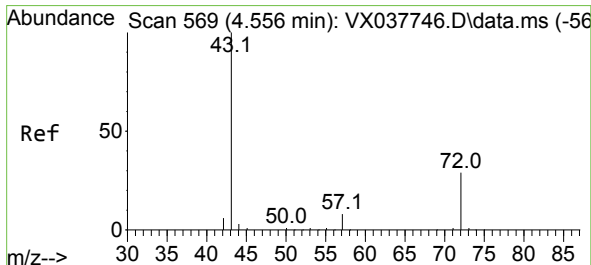
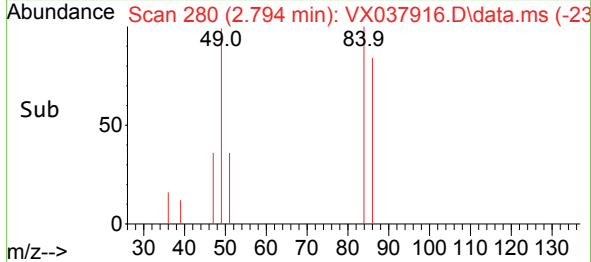
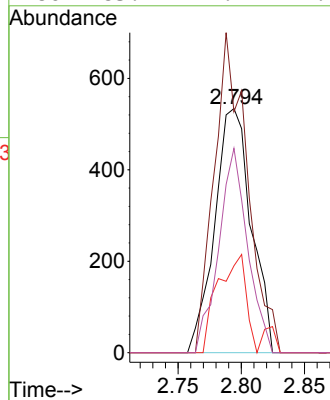
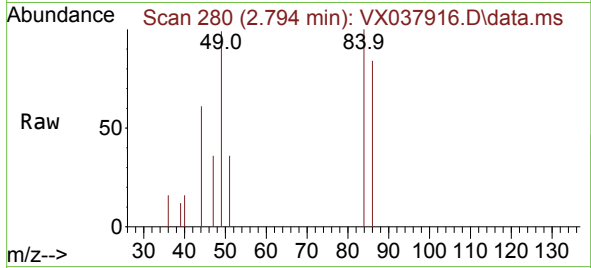




#20
Methylene Chloride
Concen: 0.384 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

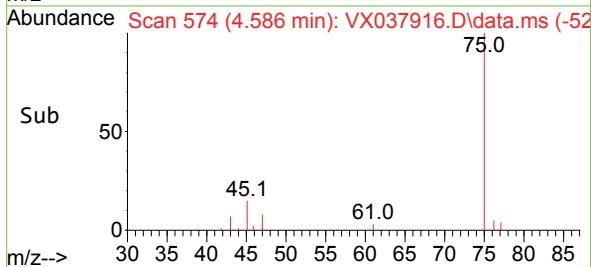
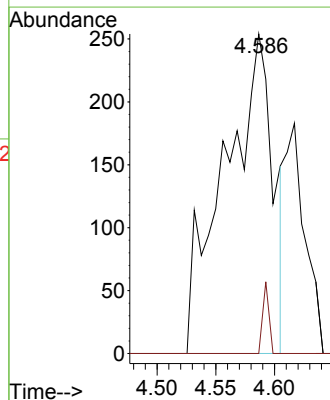
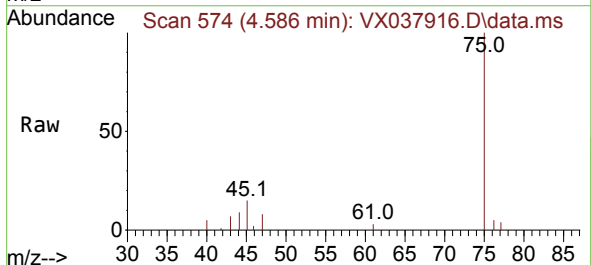
Instrument :
MSVOA_X
ClientSampleId :
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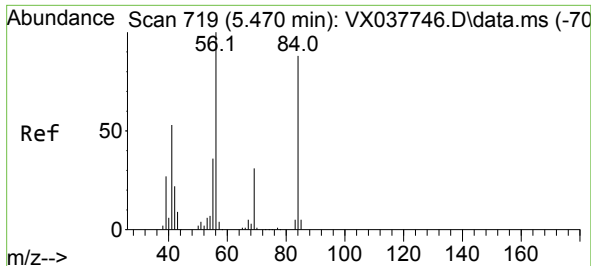
Tgt Ion: 84	Resp: 1072
Ion Ratio	Lower Upper
84	100
49	98.7 103.6 155.4#
51	35.6 33.8 50.6
86	83.7 49.4 74.0#



#25
2-Butanone
Concen: 0.365 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

Tgt Ion: 43	Resp: 729
Ion Ratio	Lower Upper
43	100
72	0.0 19.4 29.2#

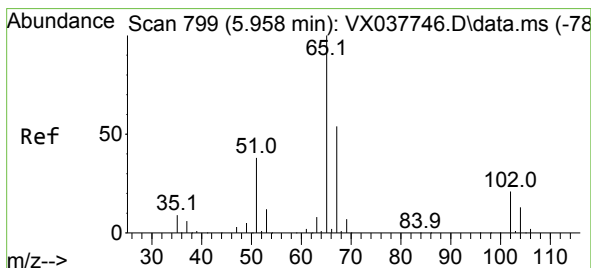
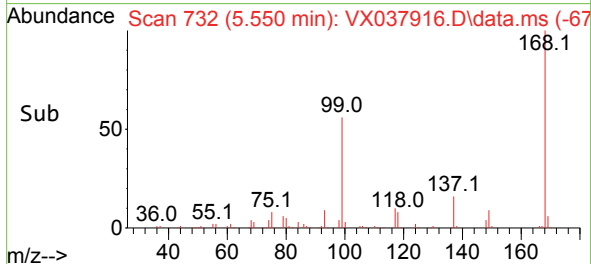
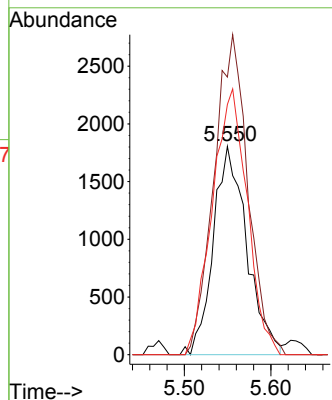
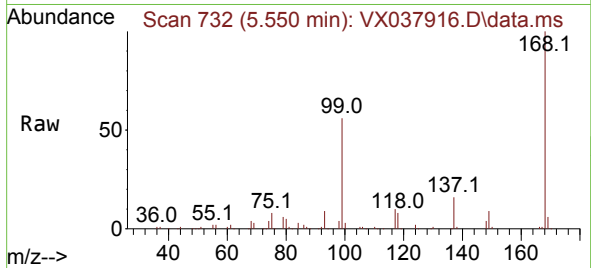




#31
Cyclohexane
Concen: 1.285 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

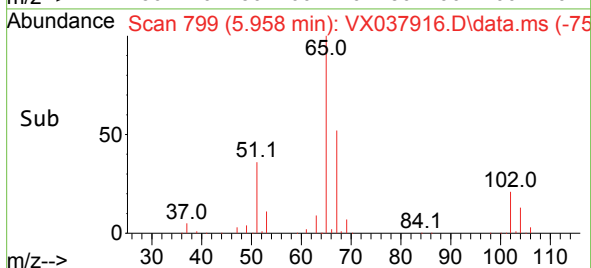
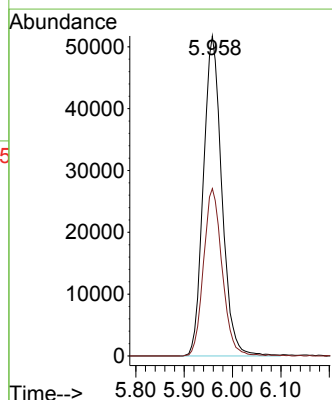
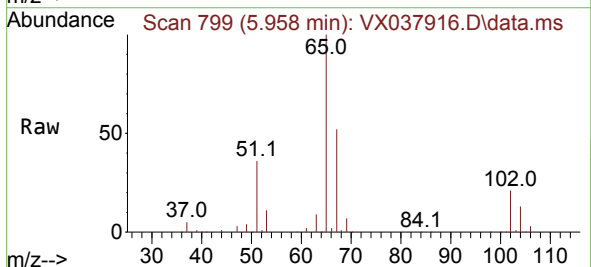
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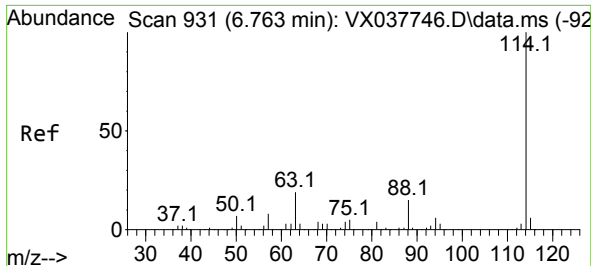
Tgt Ion: 56 Resp: 4857
Ion Ratio Lower Upper
56 100
69 133.2 23.4 35.2#
84 120.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.563 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

Tgt Ion: 65 Resp: 137091
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2

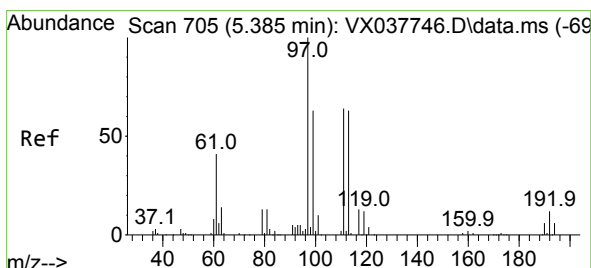
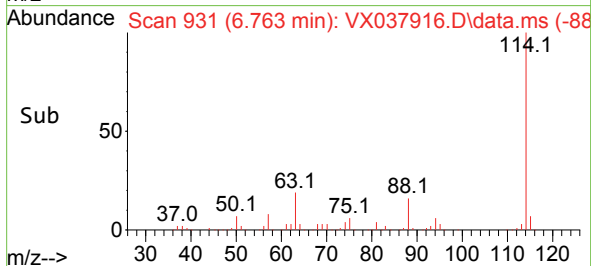
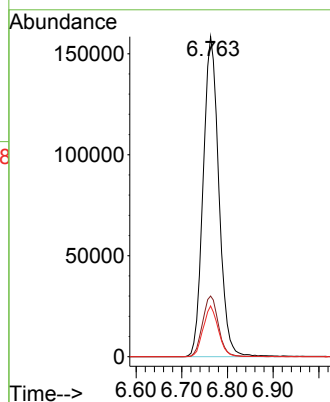
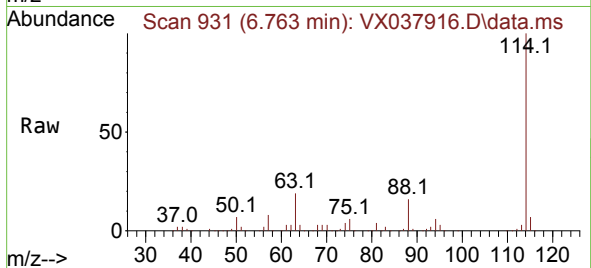




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

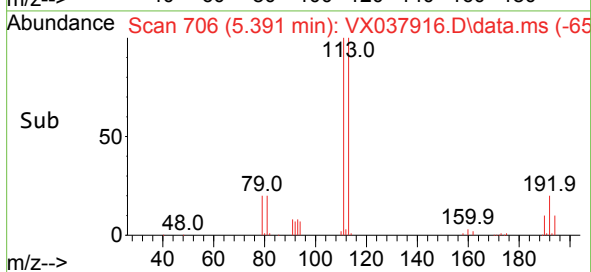
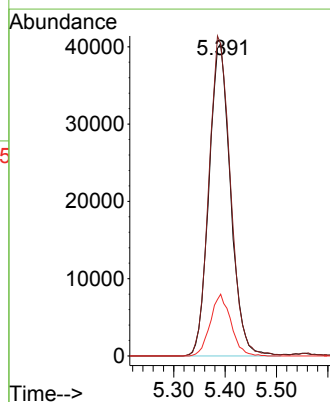
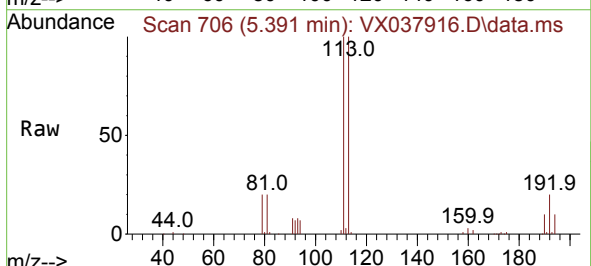
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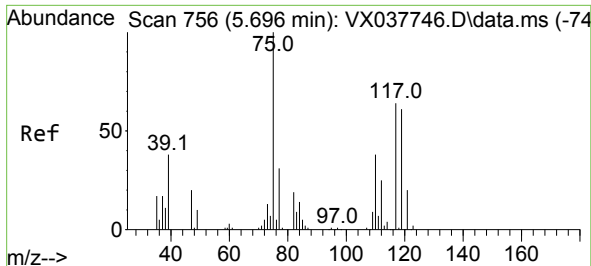
Tgt Ion:114 Resp: 377014
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.619 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

Tgt Ion:113 Resp: 117603
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.9 13.3 19.9

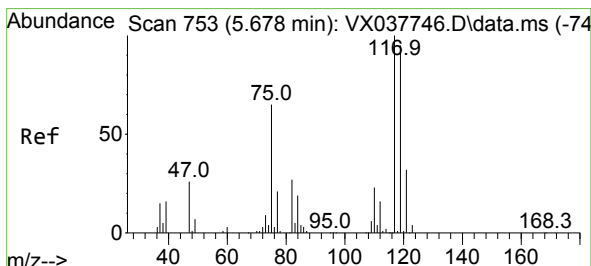
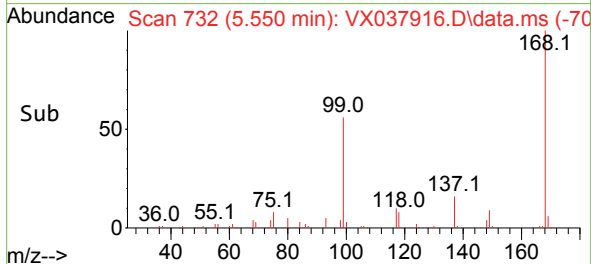
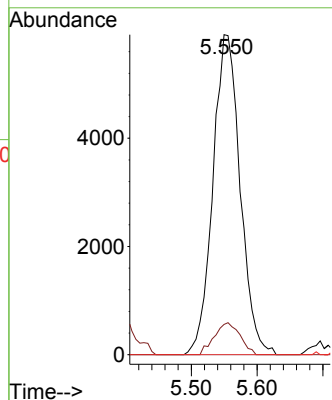
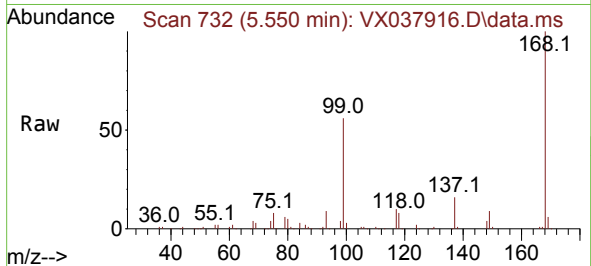




#36
1,1-Dichloropropene
Concen: 4.907 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

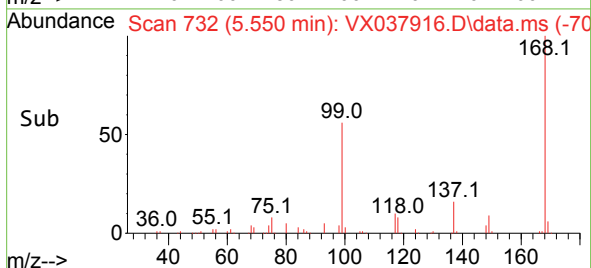
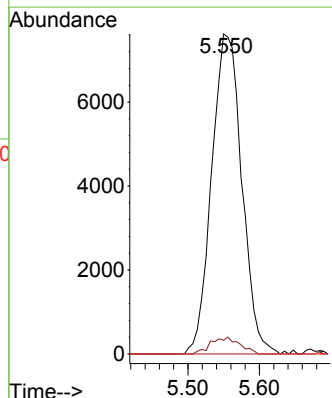
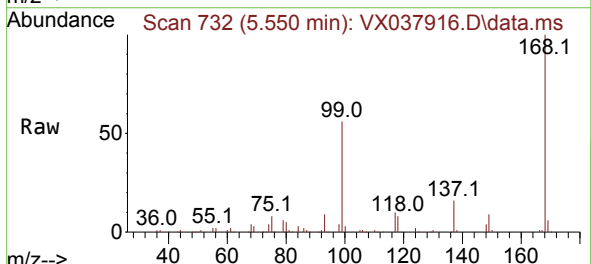
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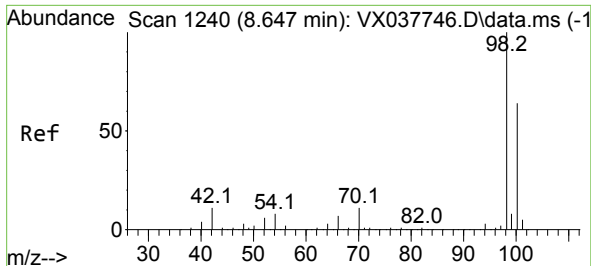
Tgt Ion: 75 Resp: 17051
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.138 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

Tgt Ion: 117 Resp: 22317
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#

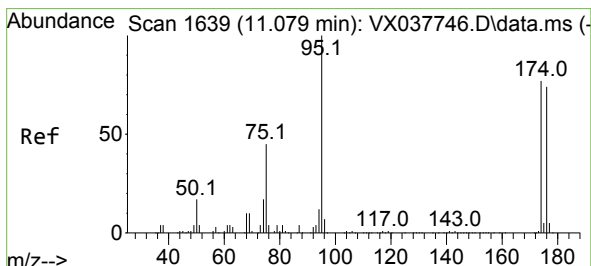
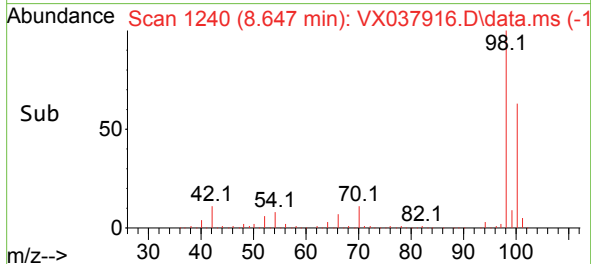
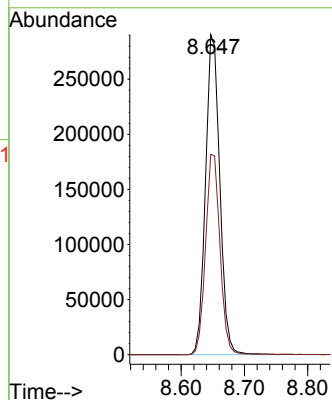
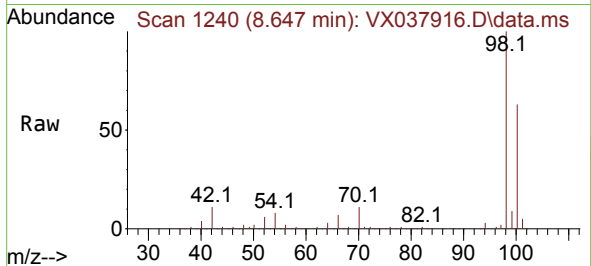




#50
Toluene-d8
Concen: 48.751 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

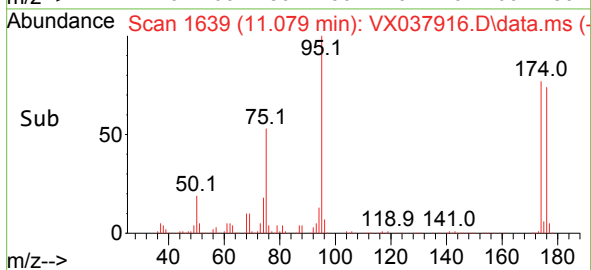
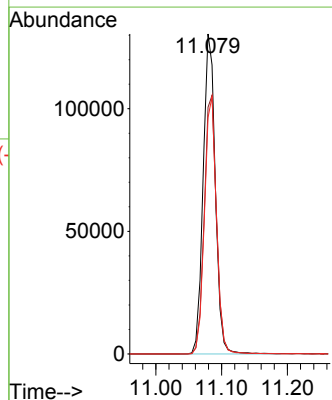
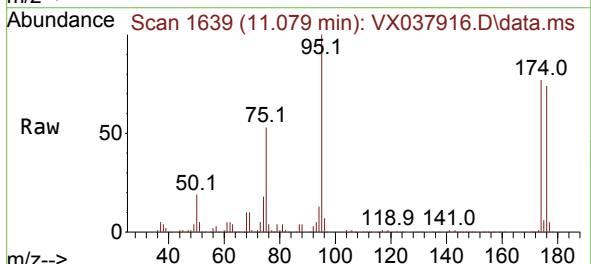
Instrument :
MSVOA_X
ClientSampleId :
IBLK

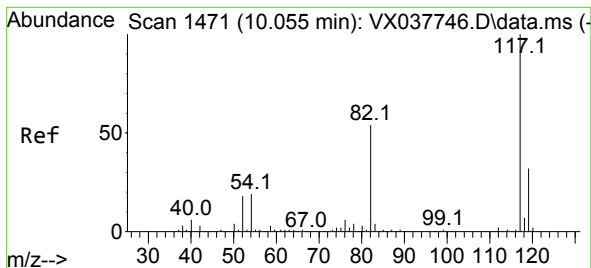
Tgt Ion: 98 Resp: 456947
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 49.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

Tgt Ion: 95 Resp: 167318
Ion Ratio Lower Upper
95 100
174 81.6 0.0 135.6
176 79.8 0.0 131.0

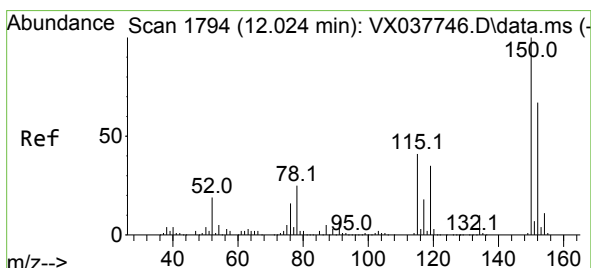
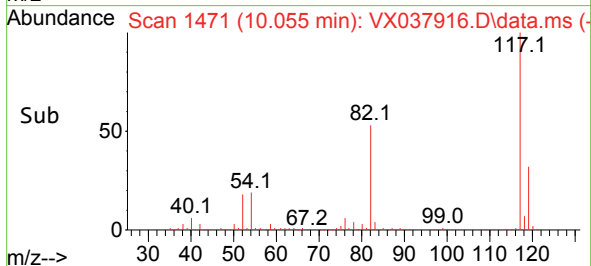
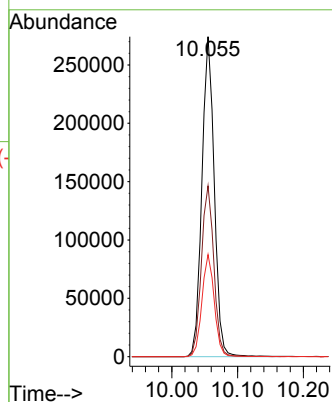
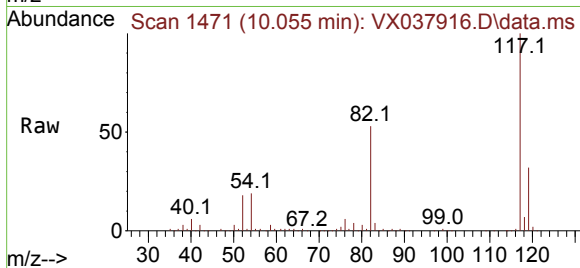




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

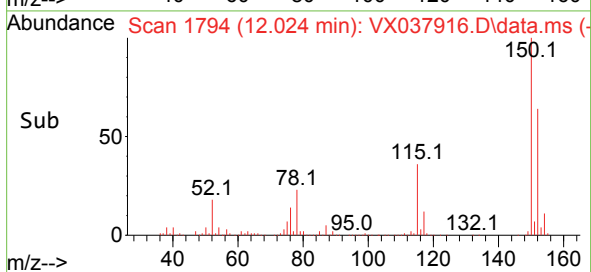
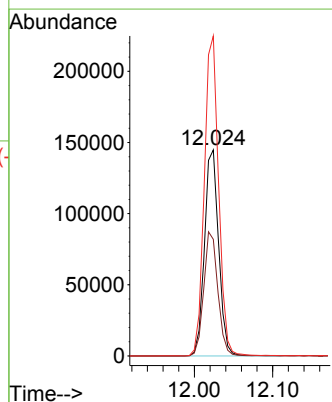
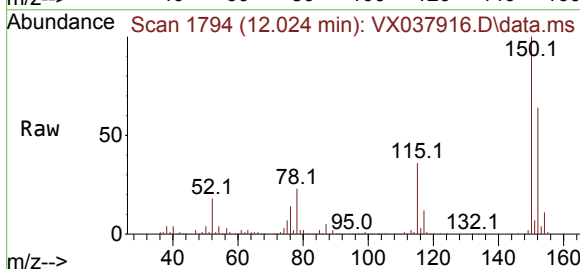
Instrument :
MSVOA_X
ClientSampleId :
IBLK

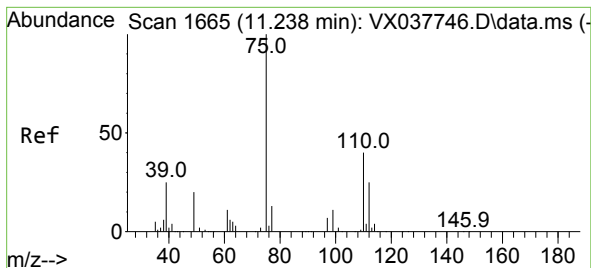
Tgt Ion:117 Resp: 357757
Ion Ratio Lower Upper
117 100
82 53.4 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

Tgt Ion:152 Resp: 181801
Ion Ratio Lower Upper
152 100
115 60.1 43.3 129.9
150 156.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.069 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037916.D

Acq: 27 Sep 2023 11:53

Instrument :

MSVOA_X

ClientSampleId :

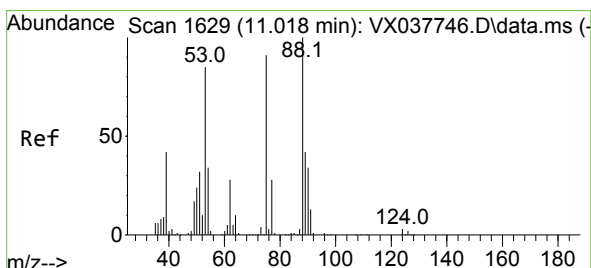
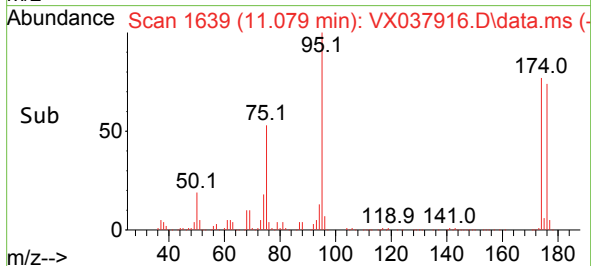
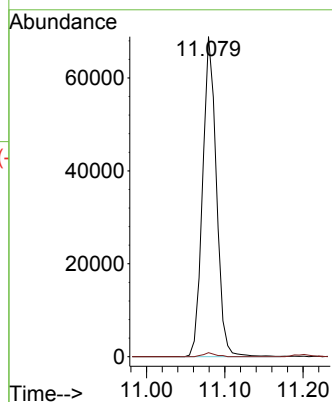
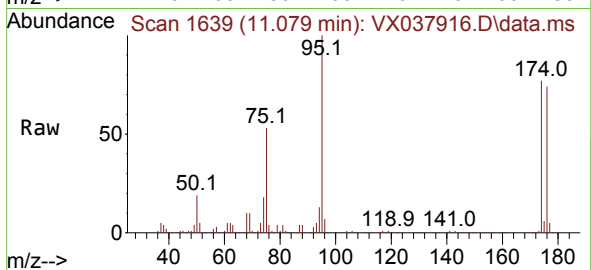
IBLK

Tgt Ion: 75 Resp: 84387

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.288 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037916.D

Acq: 27 Sep 2023 11:53

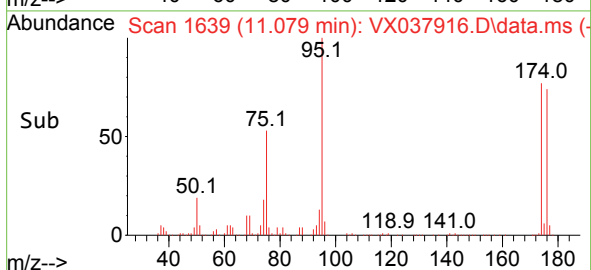
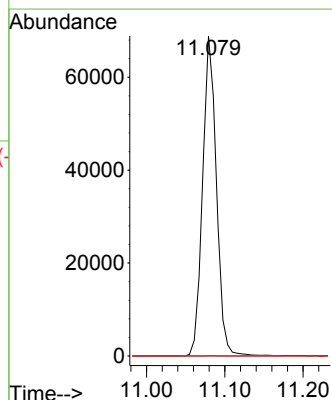
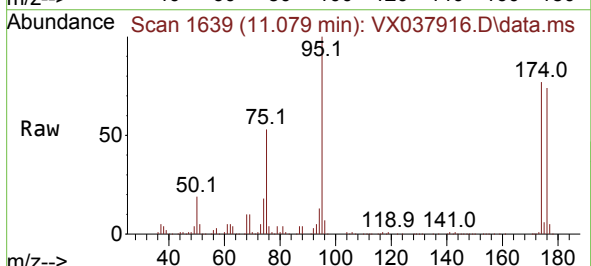
Tgt Ion: 75 Resp: 84387

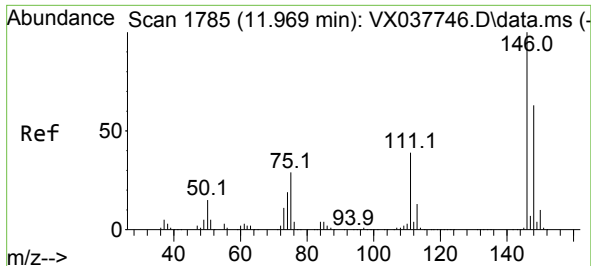
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.226 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX037916.D

Acq: 27 Sep 2023 11:53

Instrument :

MSVOA_X

ClientSampleId :

IBLK

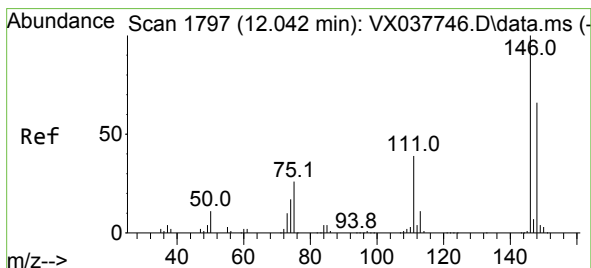
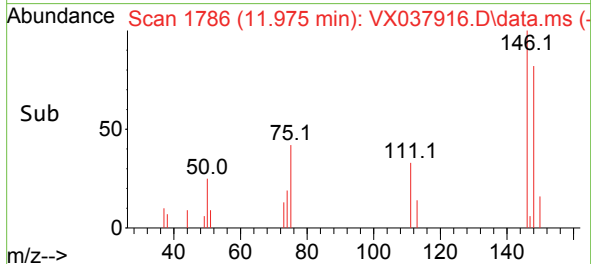
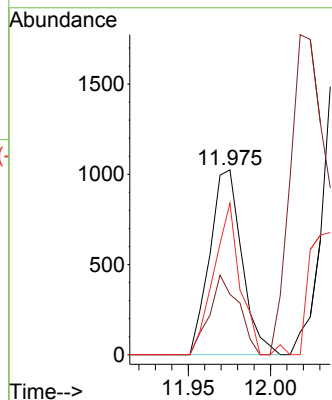
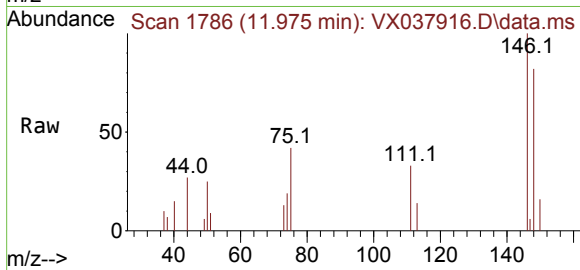
Tgt Ion:146 Resp: 1392

Ion Ratio Lower Upper

146 100

111 39.1 22.1 66.1

148 66.7 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.221 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX037916.D

Acq: 27 Sep 2023 11:53

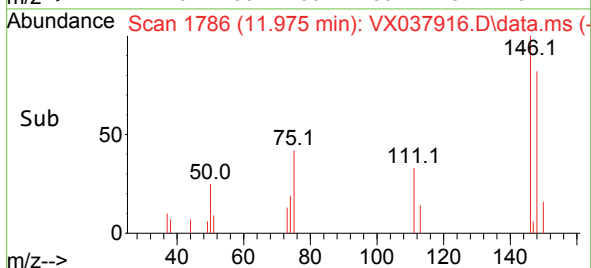
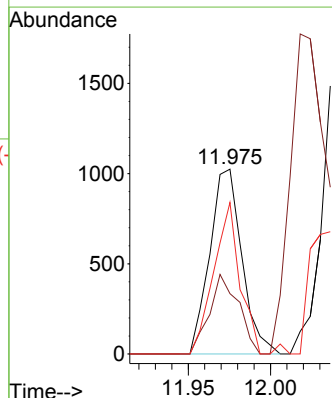
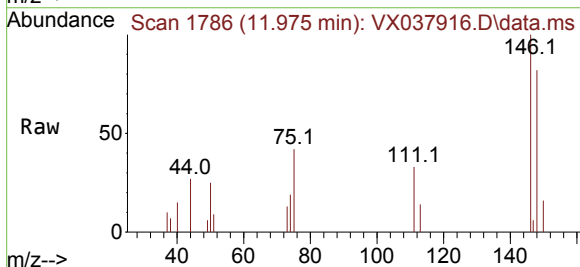
Tgt Ion:146 Resp: 1392

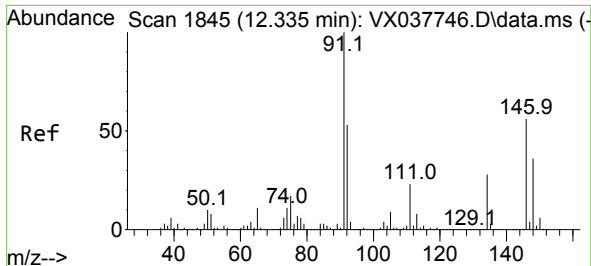
Ion Ratio Lower Upper

146 100

111 39.1 21.3 63.7

148 66.7 31.8 95.4

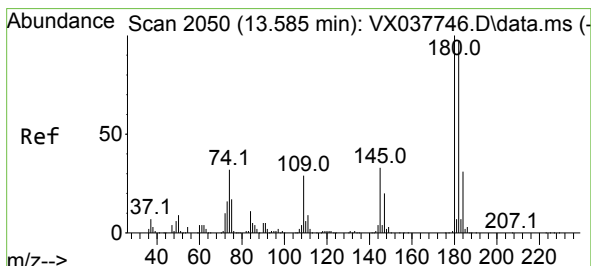
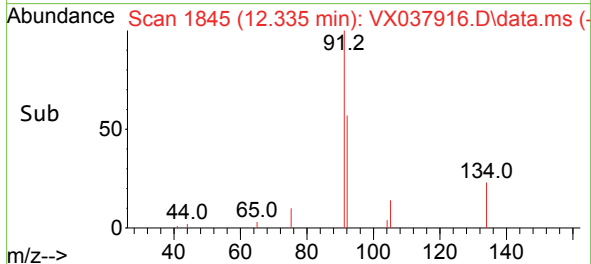
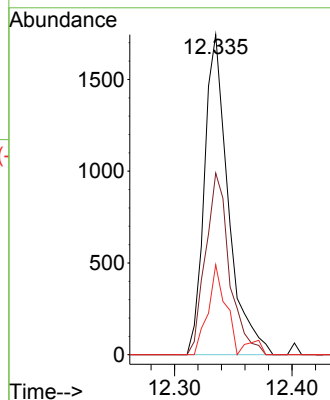
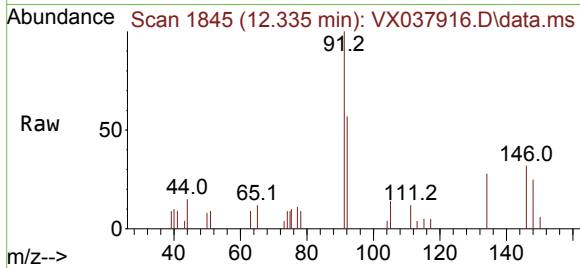




#89
n-Butylbenzene
Concen: 0.244 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

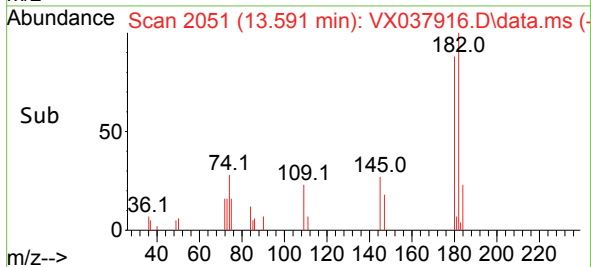
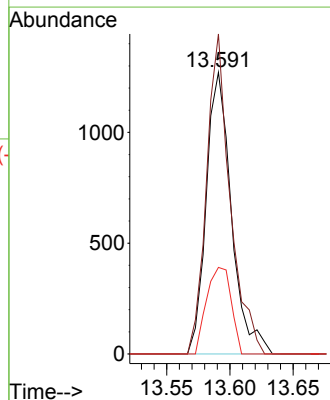
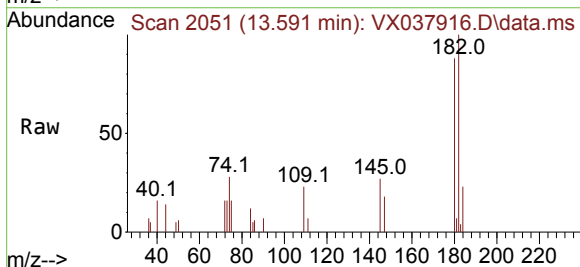
Instrument :
MSVOA_X
ClientSampleId :
IBLK

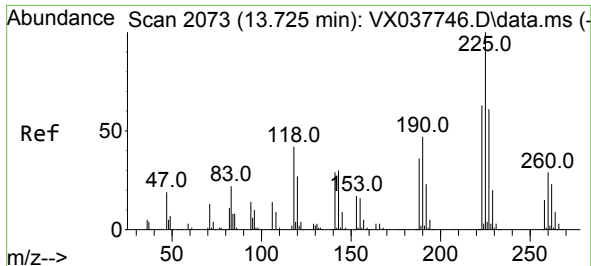
Tgt Ion: 91	Resp:	2459
Ion	Ratio	Lower Upper
91	100	
92	57.0	27.4 82.0
134	21.5	12.6 37.8



#93
1,2,4-Trichlorobenzene
Concen: 0.476 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

Tgt Ion: 180	Resp:	1763
Ion	Ratio	Lower Upper
180	100	
182	106.5	48.3 144.8
145	29.9	18.0 54.0

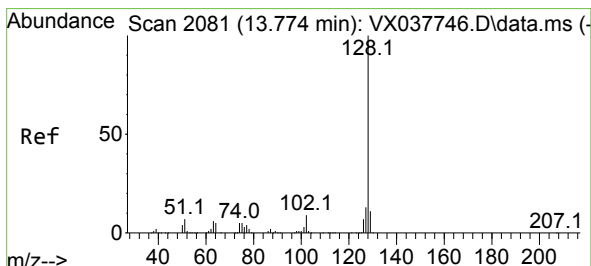
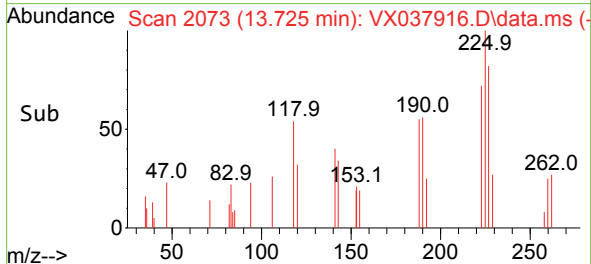
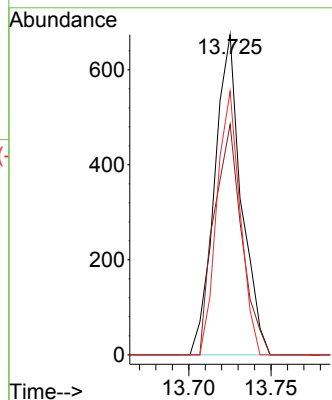
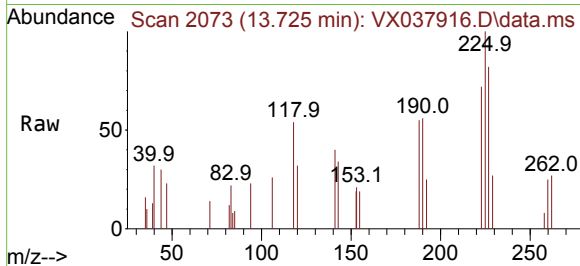




#94
Hexachlorobutadiene
Concen: 0.443 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

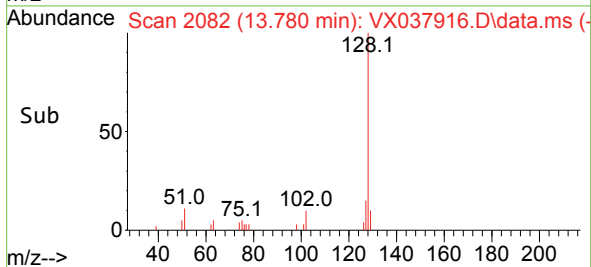
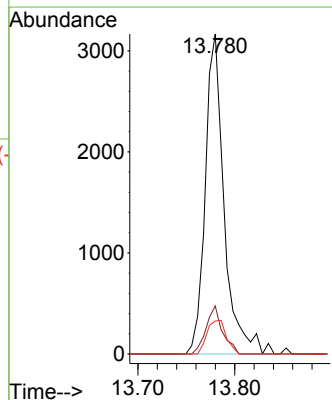
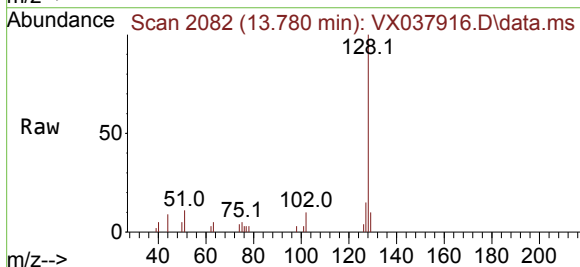
Instrument :
MSVOA_X
ClientSampleId :
IBLK

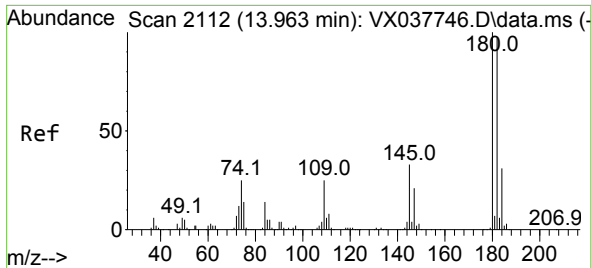
Tgt Ion	Ratio	Lower	Upper
225	100		
223	74.1	31.1	93.2
227	71.2	32.5	97.5



#95
Naphthalene
Concen: 0.344 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX037916.D
Acq: 27 Sep 2023 11:53

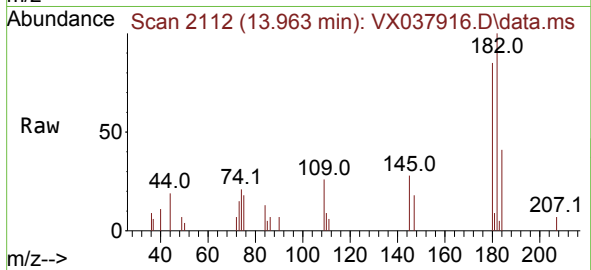
Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.6	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.437 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX037916.D
 Acq: 27 Sep 2023 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	1664
Ion	Ratio	Lower	Upper
180	100		
182	104.5	46.9	140.6
145	31.3	17.8	53.5

