

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037668.D
 Acq On : 12 Sep 2023 15:00
 Operator : JC/MD
 Sample : 04373-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 13 01:45:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

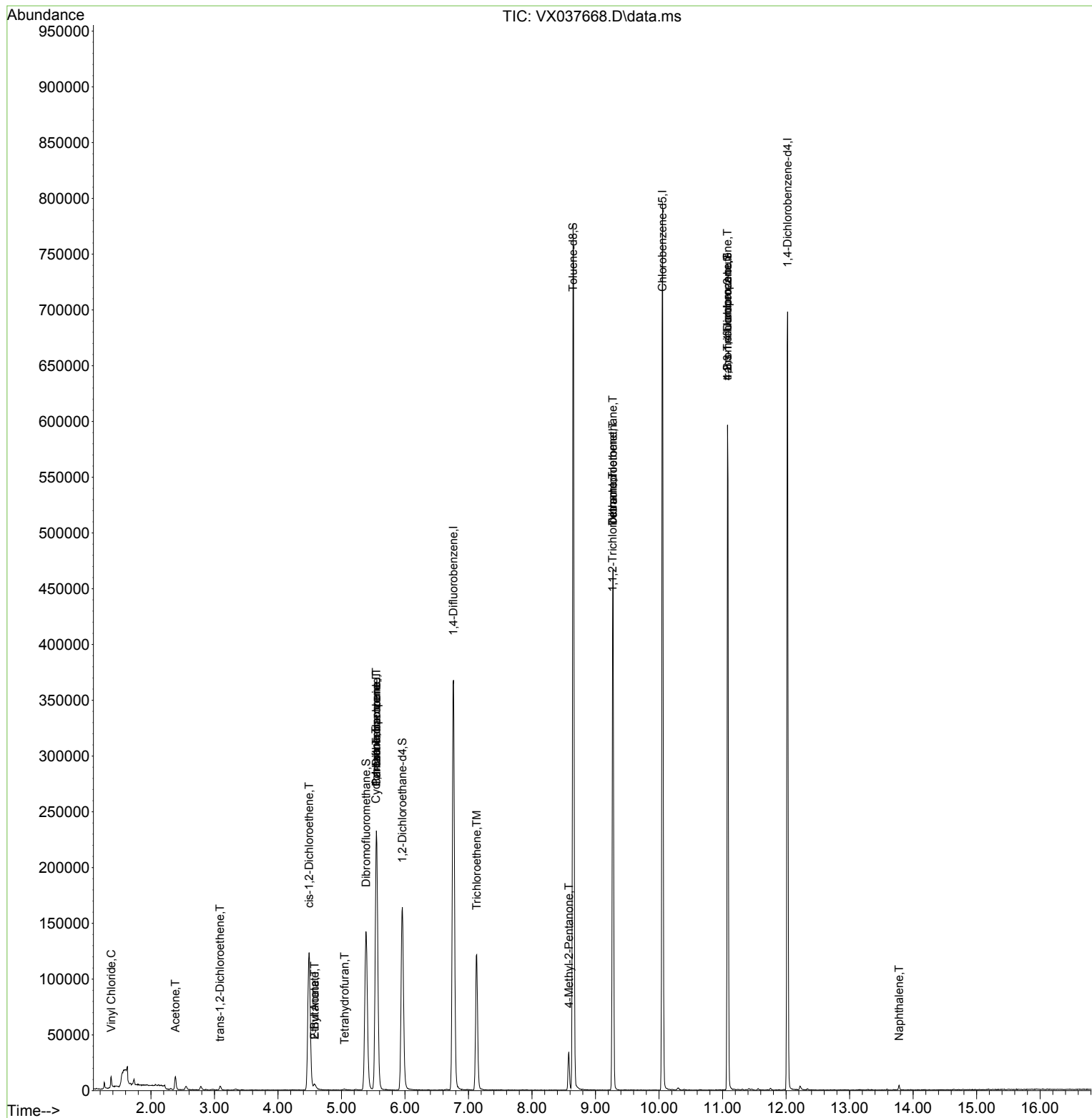
Internal Standards						
1) Pentafluorobenzene	5.550	168	214733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	381012	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160768	46.274	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.540%
35) Dibromofluoromethane	5.385	113	123736	45.817	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.640%
50) Toluene-d8	8.647	98	467256	45.875	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.760%#
62) 4-Bromofluorobenzene	11.079	95	155776	42.393	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.780%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	4848	1.607	ug/l	96
11) Tert butyl alcohol	2.953	59	228	Below Cal	#	78
16) Acetone	2.386	43	12034	8.568	ug/l	94
20) Methylene Chloride	2.782	84	1458	Below Cal		95
21) trans-1,2-Dichloroethene	3.087	96	1349	0.531	ug/l	82
25) 2-Butanone	4.574	43	9030	3.943	ug/l	# 89
27) cis-1,2-Dichloroethene	4.489	96	77874	25.124	ug/l	84
29) Tetrahydrofuran	5.050	42	627	0.430	ug/l	# 77
31) Cyclohexane	5.544	56	5069	1.267	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	17756	4.833	ug/l	# 51
37) Ethyl Acetate	4.574	43	9030	2.148	ug/l	# 69
38) Carbon Tetrachloride	5.550	117	22429	5.976	ug/l	# 17
44) Trichloroethene	7.129	130	46270	16.628	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	20295	4.609	ug/l	98
55) 1,1,2-Trichloroethane	9.269	97	802	0.266	ug/l	# 14
60) Dibromochloromethane	9.275	129	83134	28.068	ug/l	# 11
64) Tetrachloroethene	9.275	164	82911	37.012	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	83434	26.854	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	83434	81.630	ug/l	# 5
95) Naphthalene	13.780	128	2823	0.272	ug/l	# 95

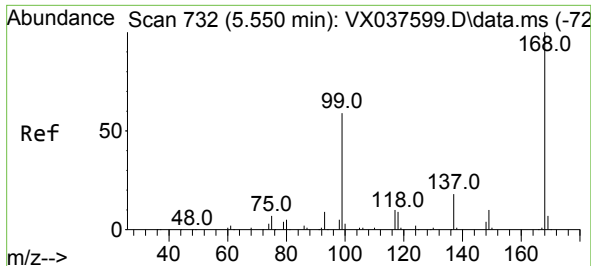
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Sep 13 01:45:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

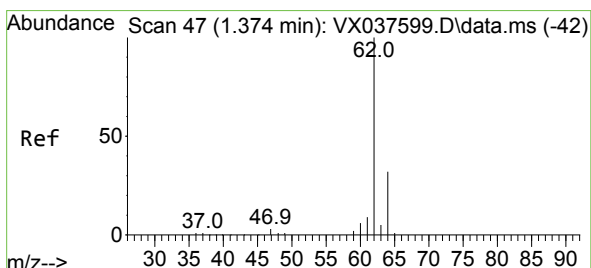
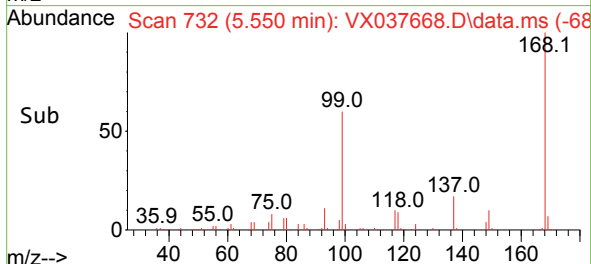
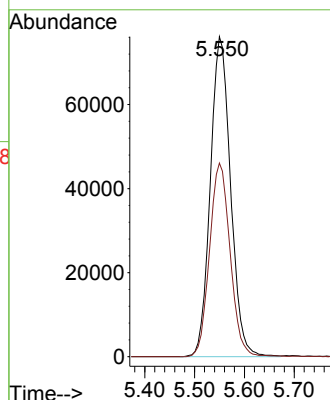
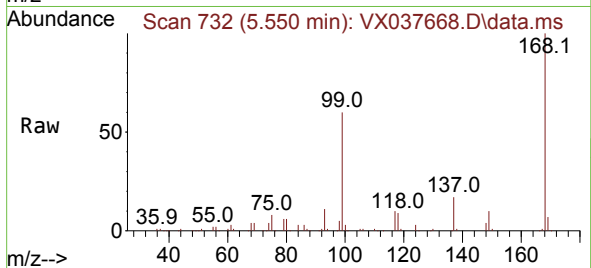




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

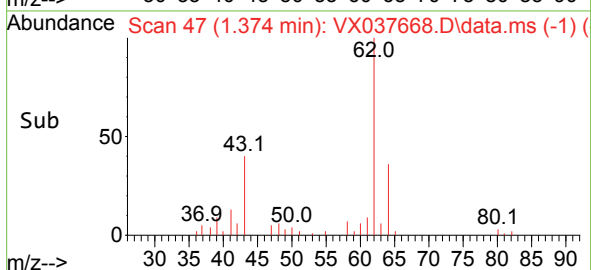
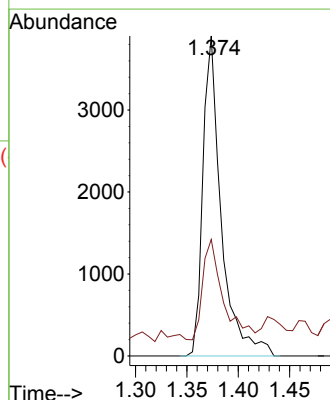
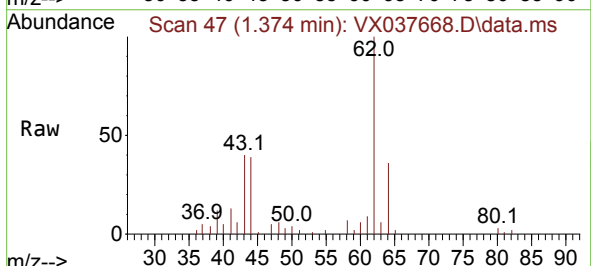
Instrument :
MSVOA_X
ClientSampleId :

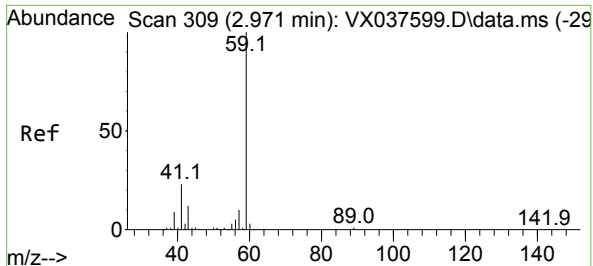
Tgt Ion:168 Resp: 214733
Ion Ratio Lower Upper
168 100
99 60.5 56.6 85.0



#4
Vinyl Chloride
Concen: 1.607 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion: 62 Resp: 4848
Ion Ratio Lower Upper
62 100
64 29.7 25.4 38.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 306

Delta R.T. -0.018 min

Lab File: VX037668.D

Acq: 12 Sep 2023 15:00

Instrument :

MSVOA_X

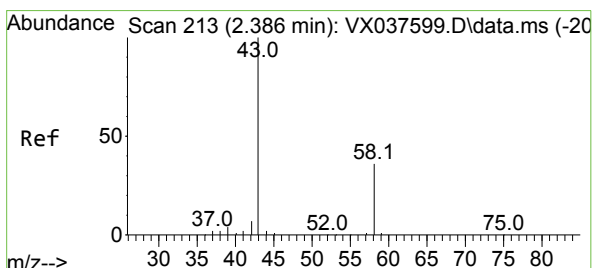
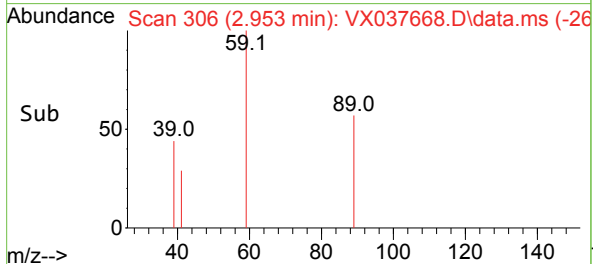
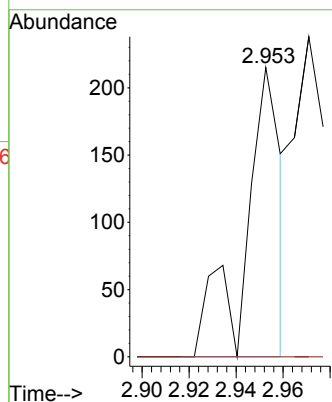
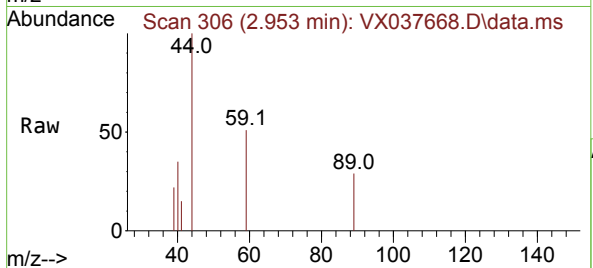
ClientSampleId :

Tgt Ion: 59 Resp: 228

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 8.568 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037668.D

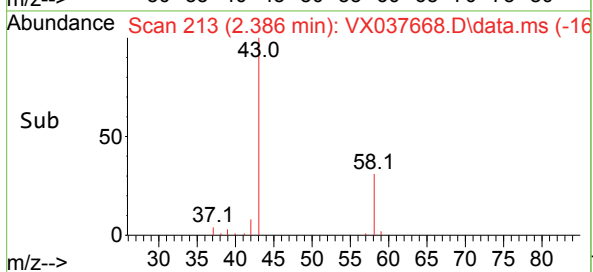
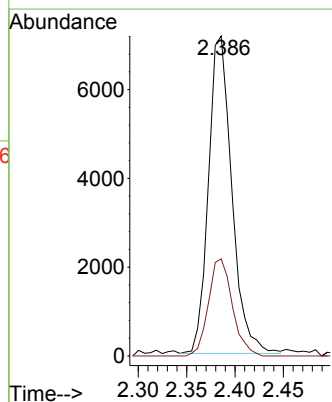
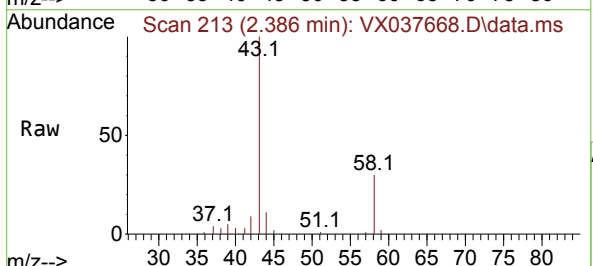
Acq: 12 Sep 2023 15:00

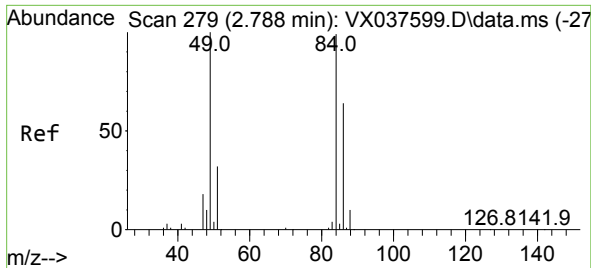
Tgt Ion: 43 Resp: 12034

Ion Ratio Lower Upper

43 100

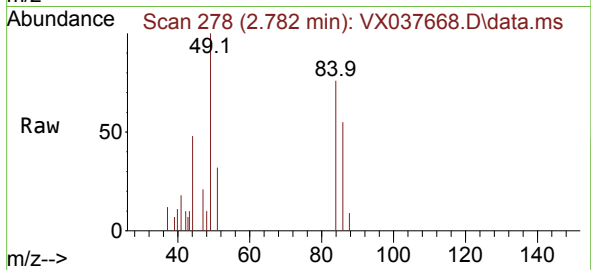
58 30.6 21.9 32.9





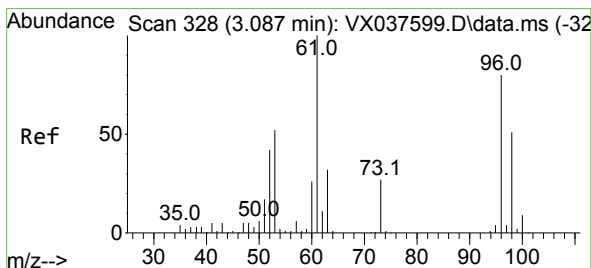
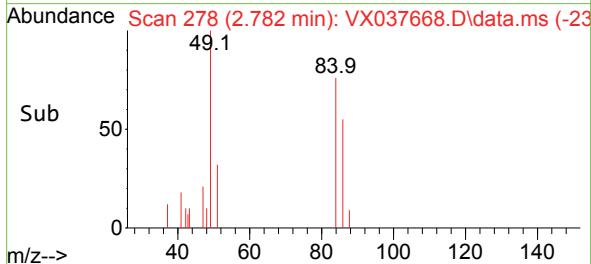
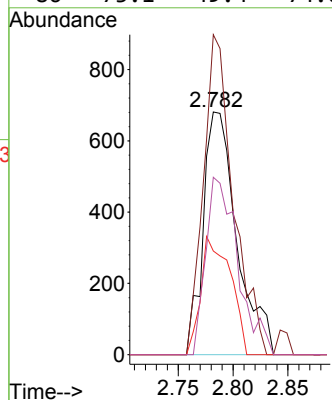
#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1458

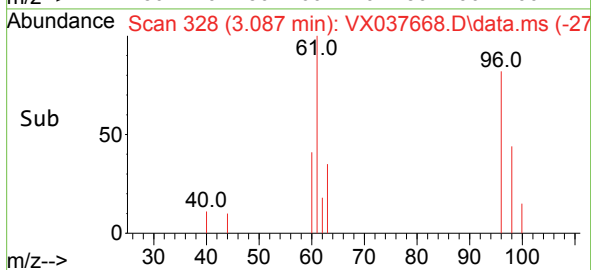
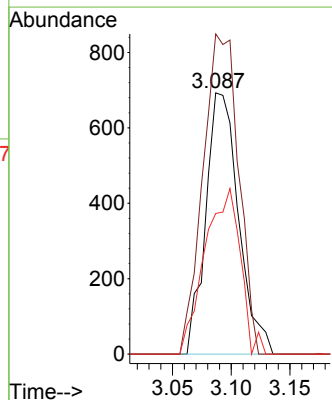
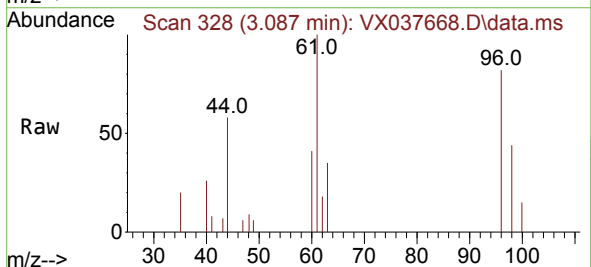
Ion	Ratio	Lower	Upper
84	100		
49	131.9	103.6	155.4
51	42.7	33.8	50.6
86	73.1	49.4	74.0

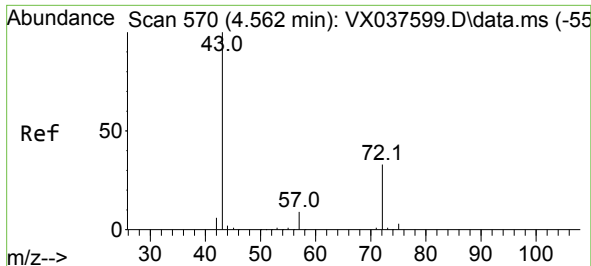


#21
trans-1,2-Dichloroethene
Concen: 0.531 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion: 96 Resp: 1349

Ion	Ratio	Lower	Upper
96	100		
61	122.5	119.2	178.8
98	53.8	48.7	73.1

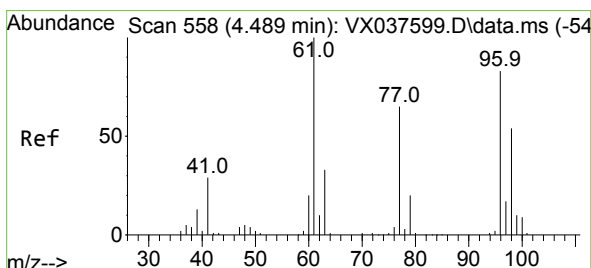
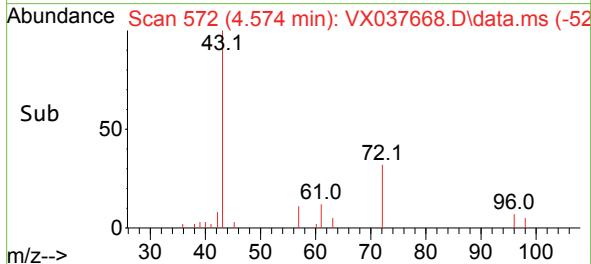
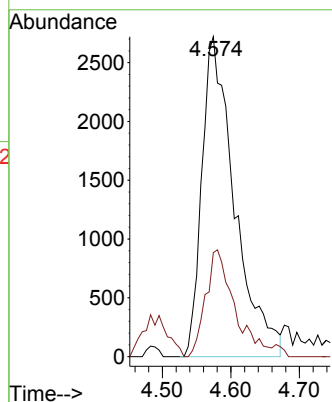
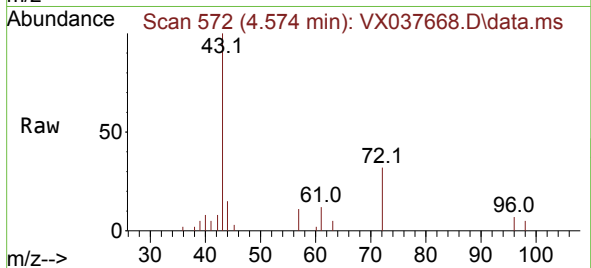




#25
2-Butanone
Concen: 3.943 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

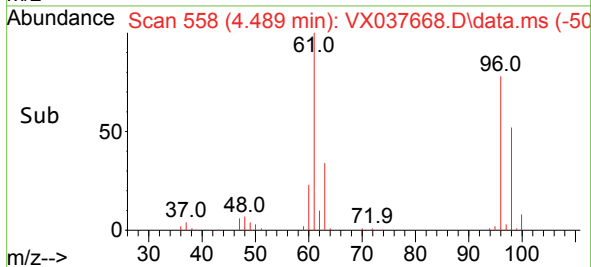
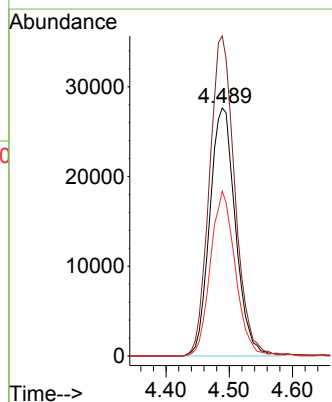
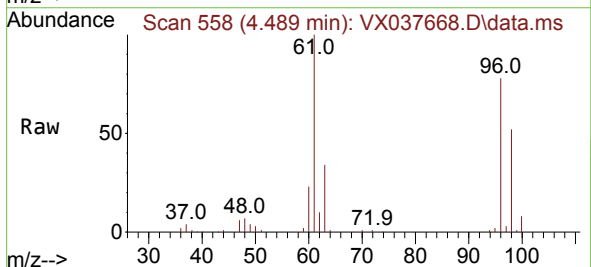
Instrument :
MSVOA_X
ClientSampleId :

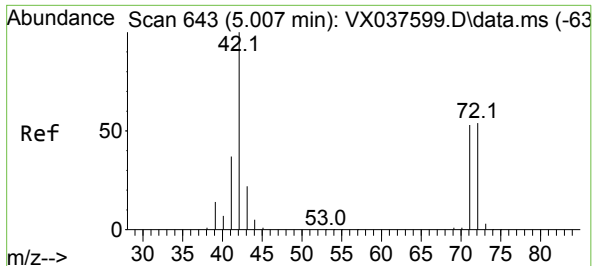
Tgt Ion: 43 Resp: 9030
Ion Ratio Lower Upper
43 100
72 29.8 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 25.124 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion: 96 Resp: 77874
Ion Ratio Lower Upper
96 100
61 127.7 0.0 312.2
98 64.2 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.430 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX037668.D

Acq: 12 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

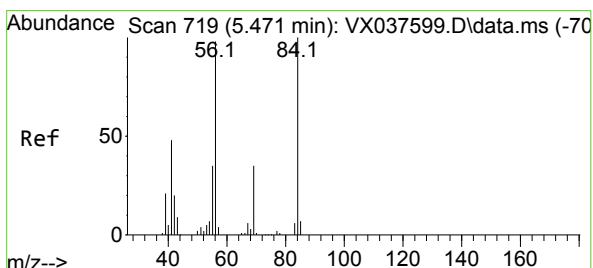
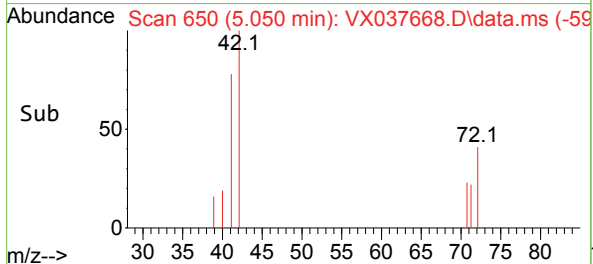
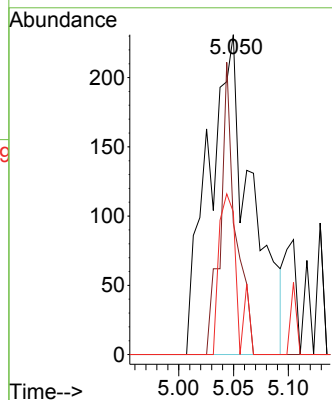
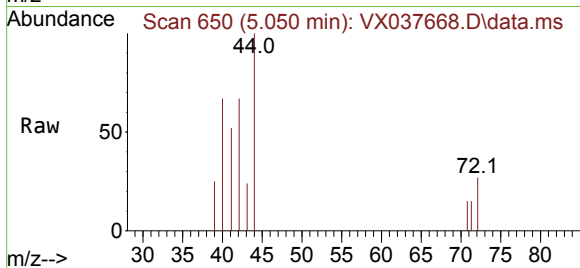
Tgt Ion: 42 Resp: 627

Ion Ratio Lower Upper

42 100

72 32.1 34.2 51.4#

71 21.4 32.2 48.2#



#31

Cyclohexane

Concen: 1.267 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX037668.D

Acq: 12 Sep 2023 15:00

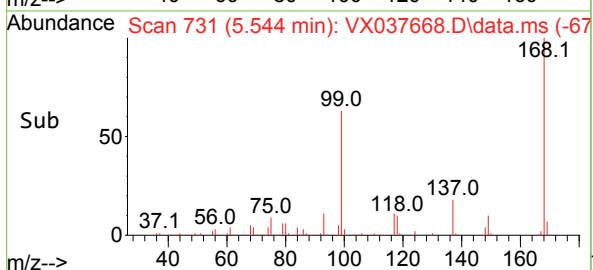
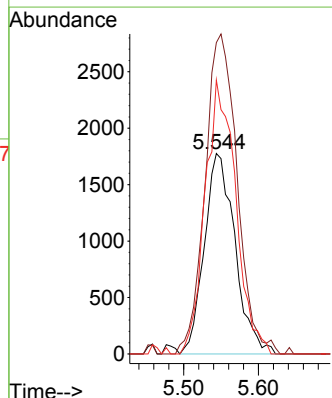
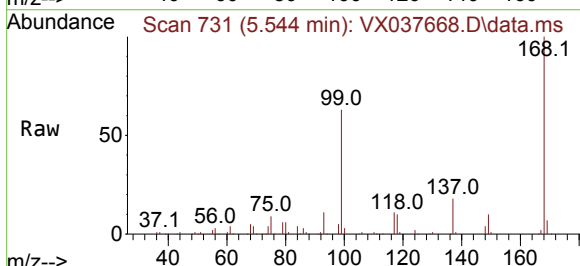
Tgt Ion: 56 Resp: 5069

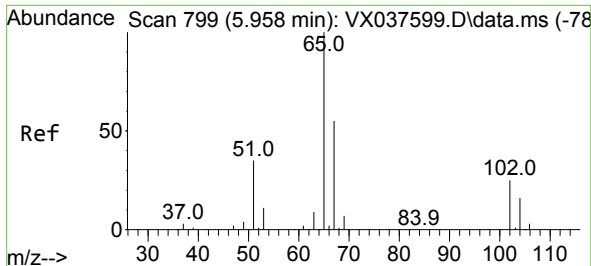
Ion Ratio Lower Upper

56 100

69 155.3 23.4 35.2#

84 136.7 65.9 98.9#

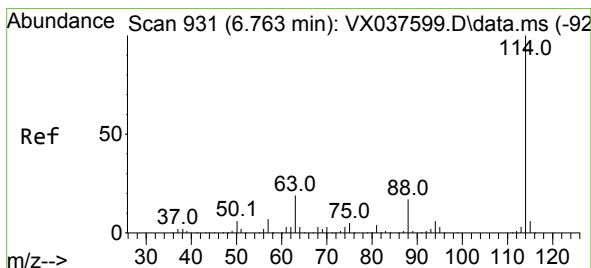
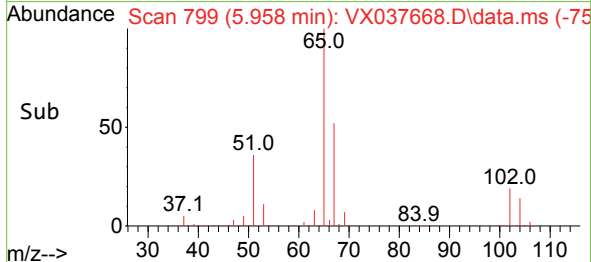
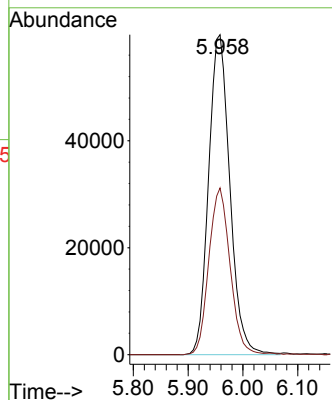
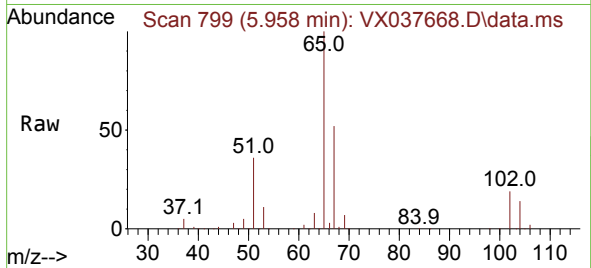




#33
1,2-Dichloroethane-d4
Concen: 46.274 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

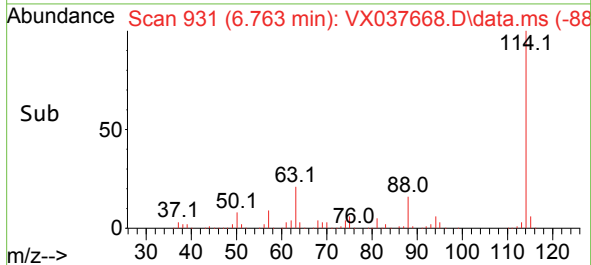
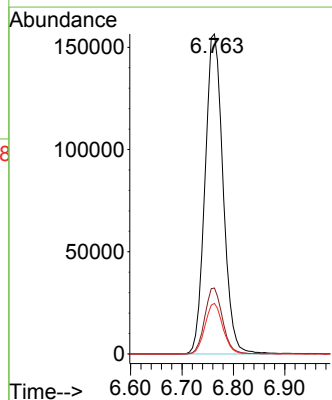
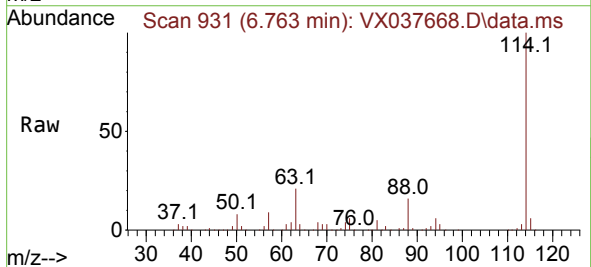
Instrument :
MSVOA_X
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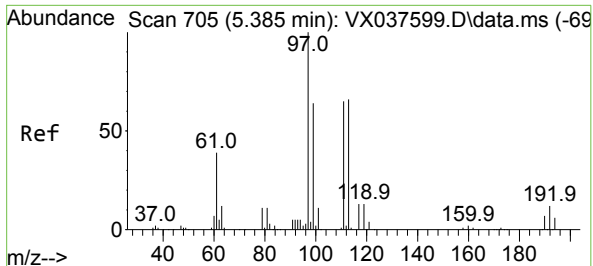
Tgt Ion: 65 Resp: 160768
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

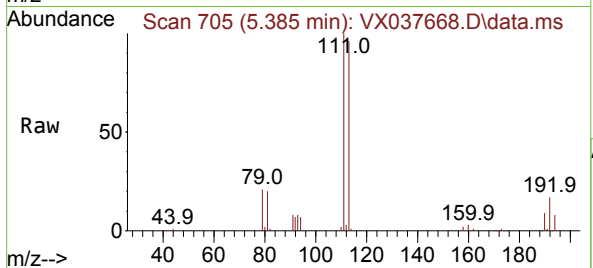
Tgt Ion: 114 Resp: 381012
Ion Ratio Lower Upper
114 100
63 20.6 0.0 45.0
88 15.8 0.0 36.6



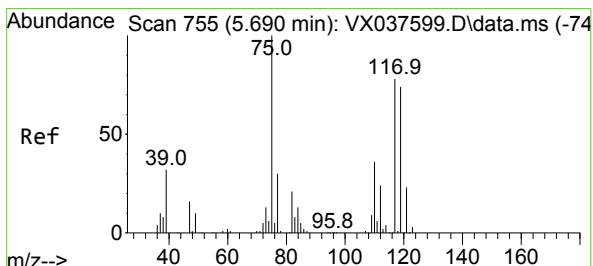
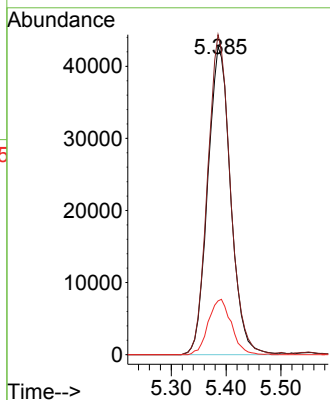
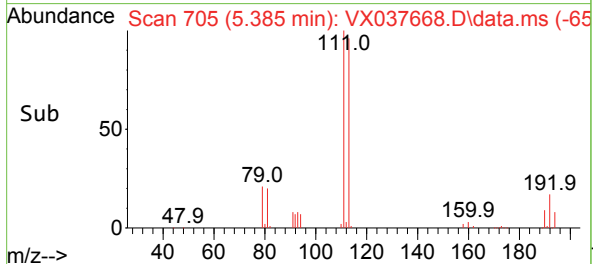


#35
Dibromofluoromethane
Concen: 45.817 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Instrument :
MSVOA_X
ClientSampleId :

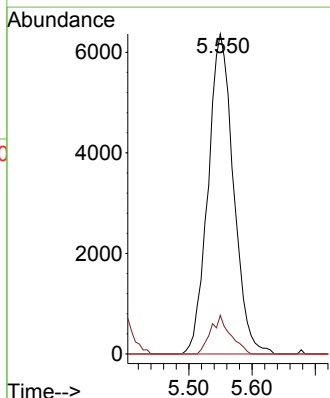
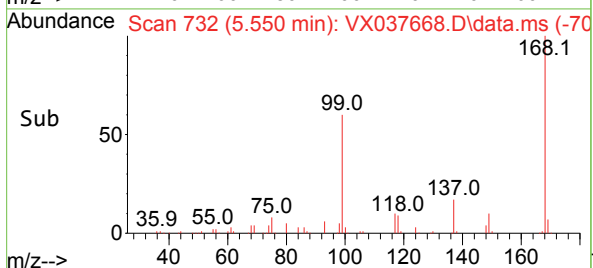
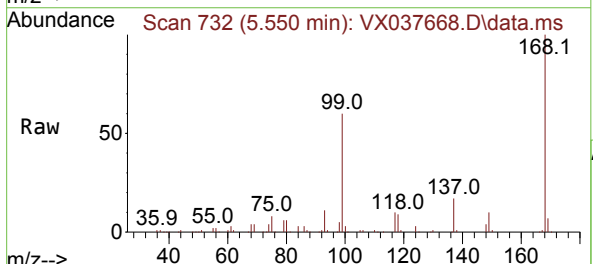


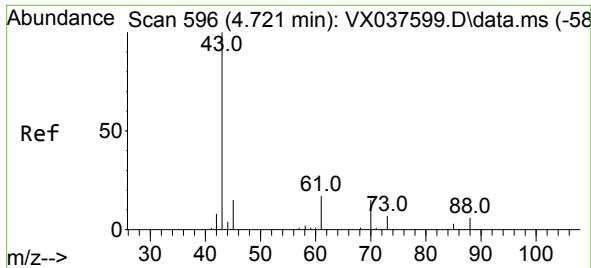
Tgt Ion:113 Resp: 123736
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion: 75 Resp: 17756
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#

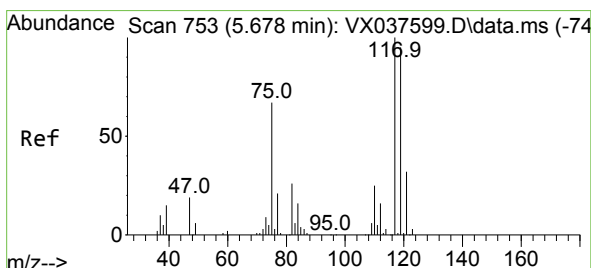
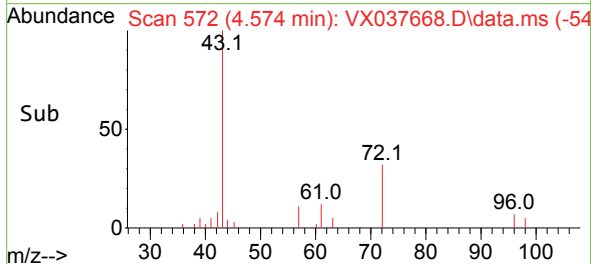
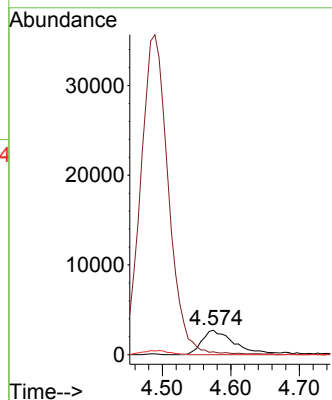
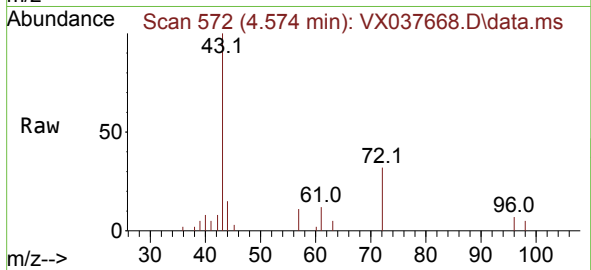




#37
Ethyl Acetate
Concen: 2.148 ug/l
RT: 4.574 min Scan# 51
Delta R.T. -0.146 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

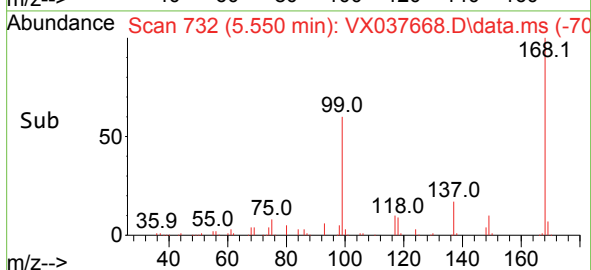
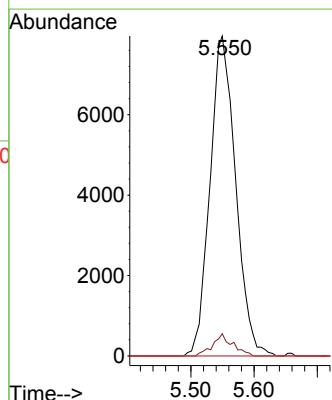
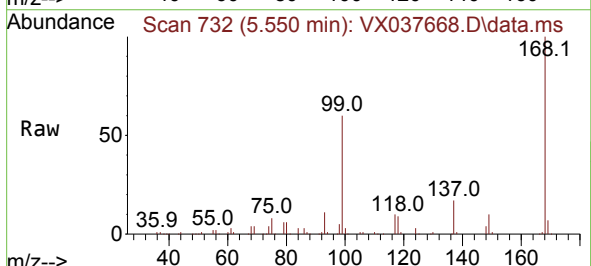
Instrument :
MSVOA_X
ClientSampleId :

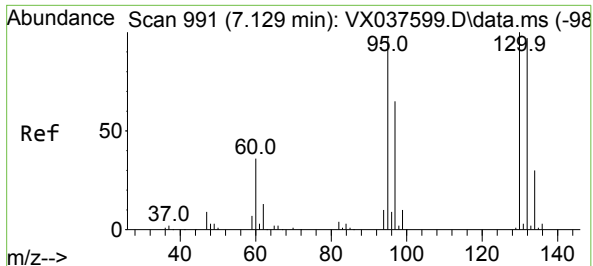
Tgt Ion: 43 Resp: 9030
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.976 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion: 117 Resp: 22429
Ion Ratio Lower Upper
117 100
119 7.0 78.2 117.2#
121 0.0 24.4 36.6#

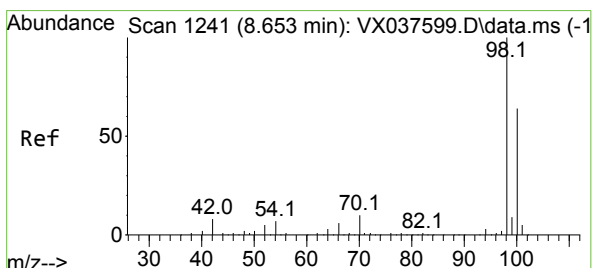
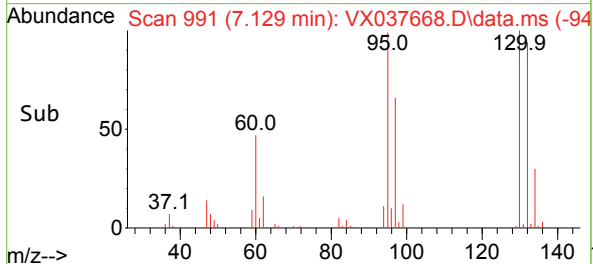
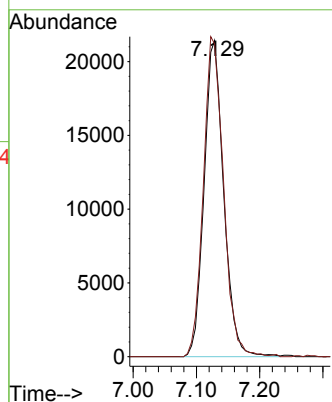
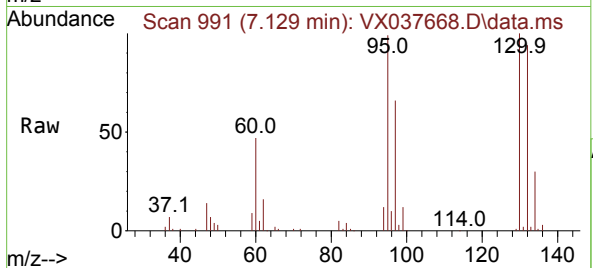




#44
Trichloroethene
Concen: 16.628 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

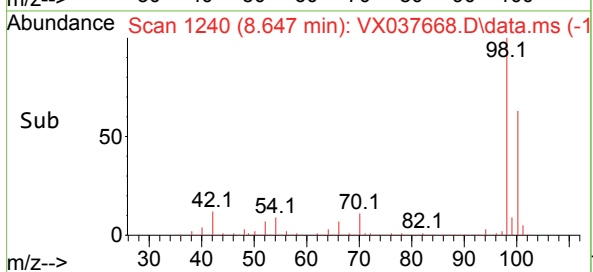
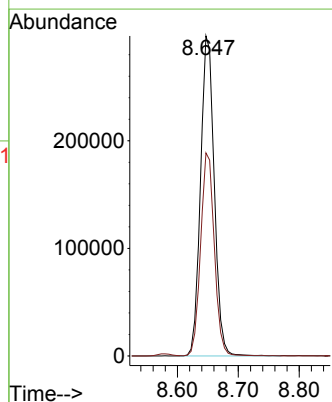
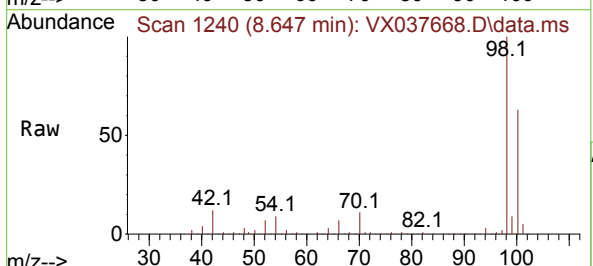
Instrument :
MSVOA_X
ClientSampleId :

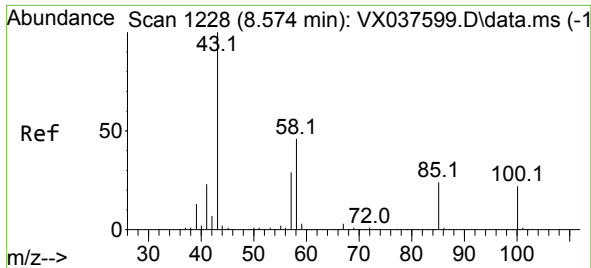
Tgt Ion:130 Resp: 46270
Ion Ratio Lower Upper
130 100
95 98.9 0.0 204.4



#50
Toluene-d8
Concen: 45.875 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion: 98 Resp: 467256
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7

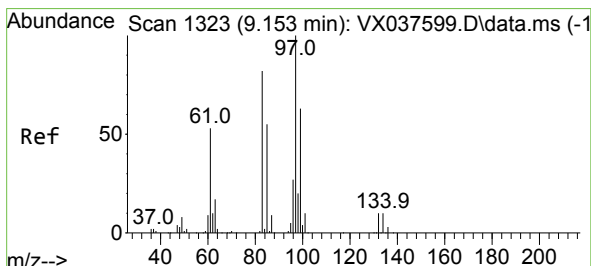
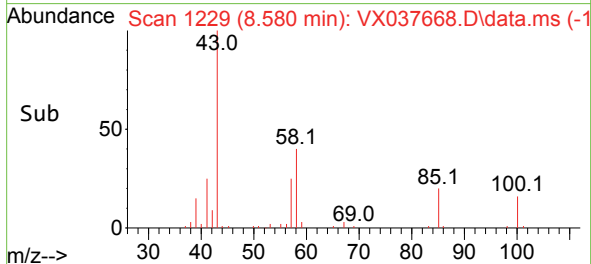
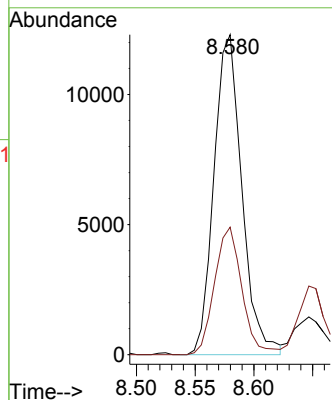
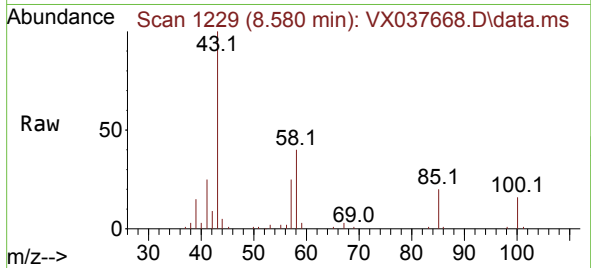




#51
4-Methyl-2-Pentanone
Concen: 4.609 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

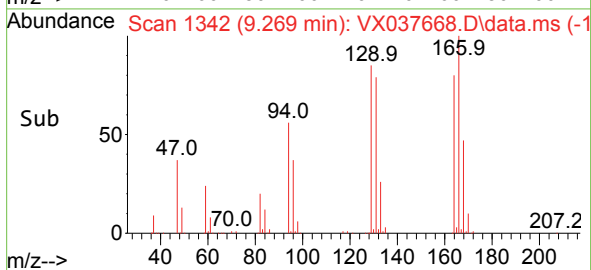
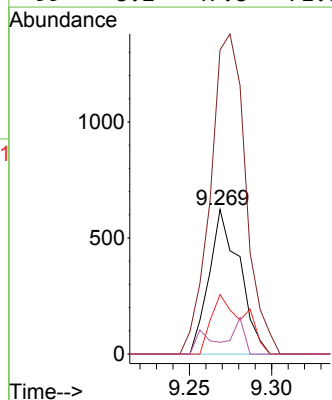
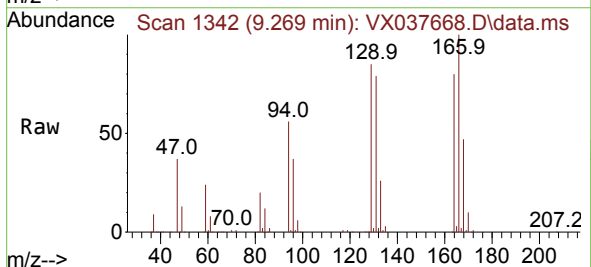
Instrument :
MSVOA_X
ClientSampleId :

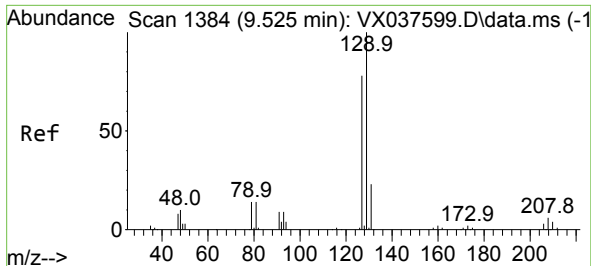
Tgt Ion: 43 Resp: 20295
Ion Ratio Lower Upper
43 100
58 39.2 30.4 45.6



#55
1,1,2-Trichloroethane
Concen: 0.266 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.116 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion: 97 Resp: 802
Ion Ratio Lower Upper
97 100
83 210.3 65.8 98.8#
85 41.1 41.6 62.4#
99 8.2 47.8 71.8#

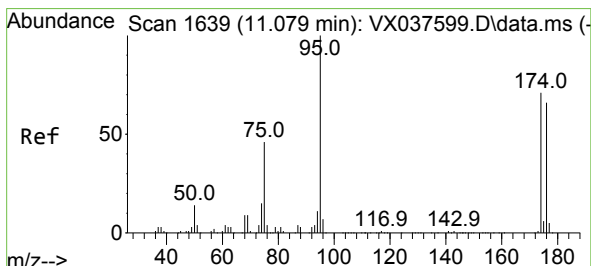
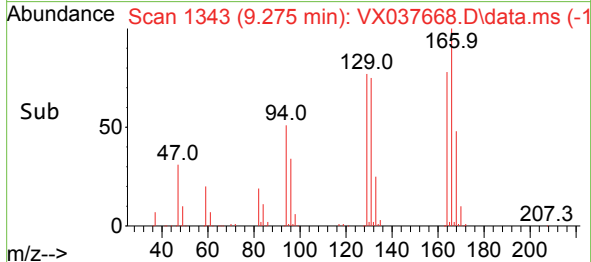
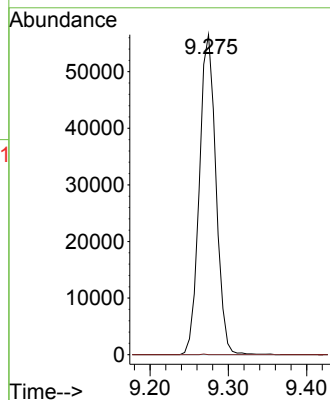
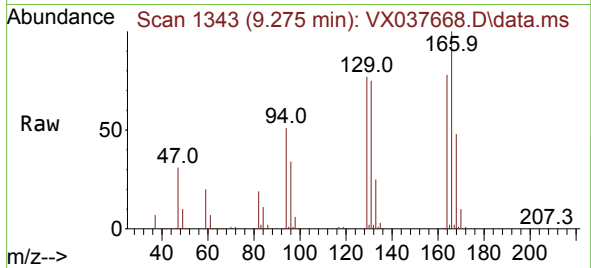




#60
Dibromochloromethane
Concen: 28.068 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

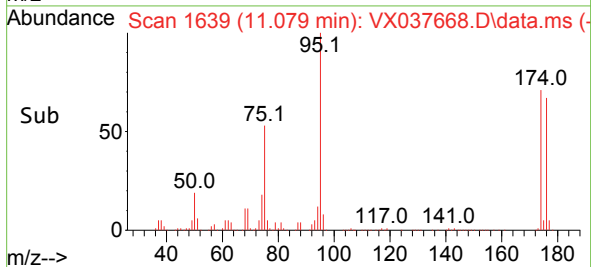
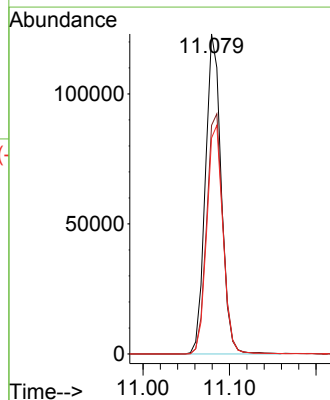
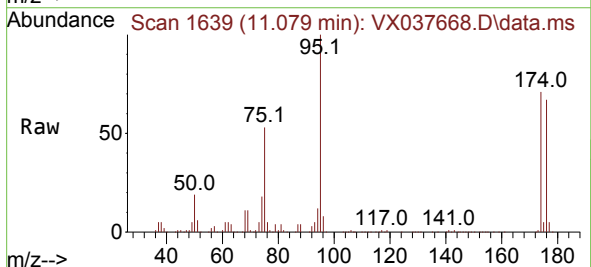
Instrument :
MSVOA_X
ClientSampleId :

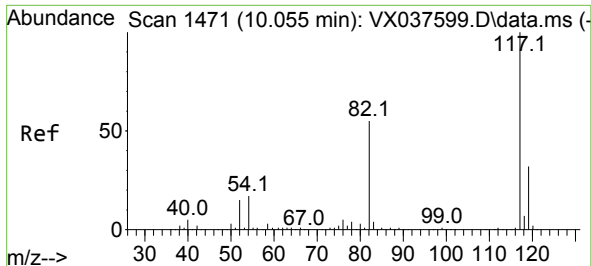
Tgt Ion:129 Resp: 83134
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 42.393 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

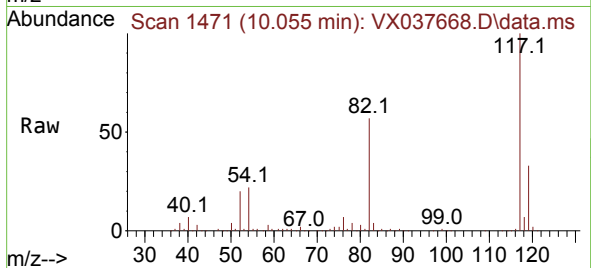
Tgt Ion: 95 Resp: 155776
Ion Ratio Lower Upper
95 100
174 77.5 0.0 135.6
176 73.4 0.0 131.0



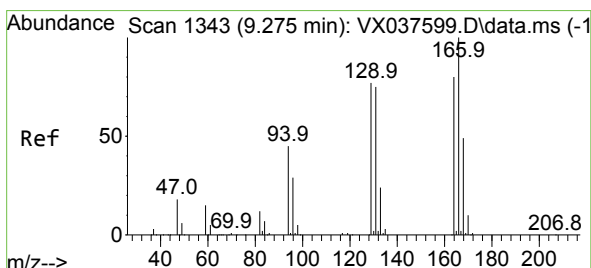
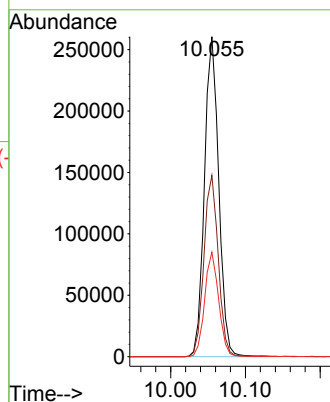
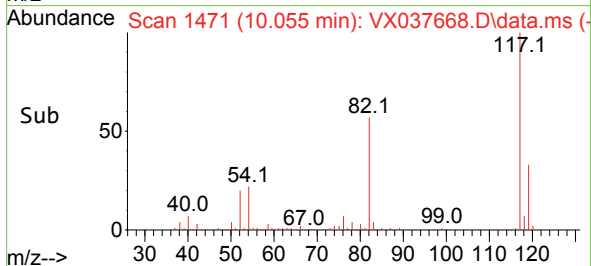


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

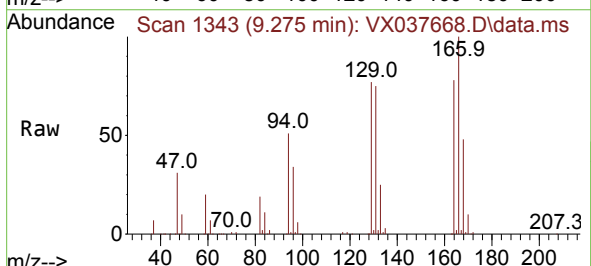
Instrument :
MSVOA_X
ClientSampleId :



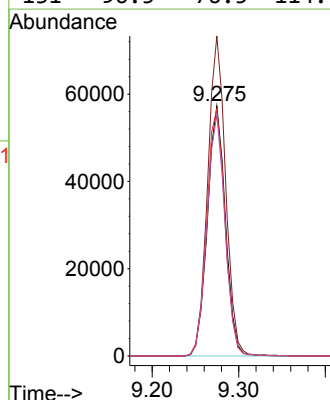
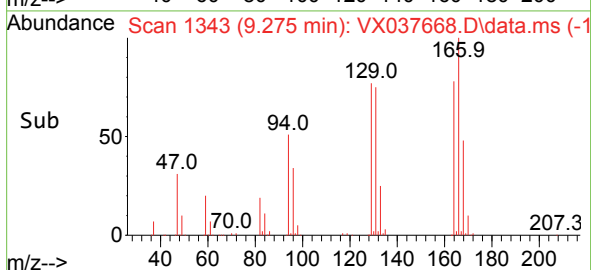
Tgt Ion:117 Resp: 345749
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 32.6 25.5 38.3

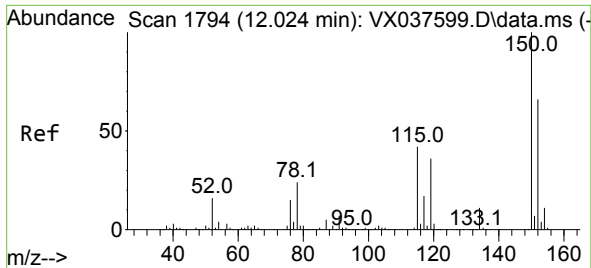


#64
Tetrachloroethene
Concen: 37.012 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00



Tgt Ion:164 Resp: 82911
Ion Ratio Lower Upper
164 100
166 128.0 102.7 154.1
129 98.7 80.4 120.6
131 96.5 76.5 114.7

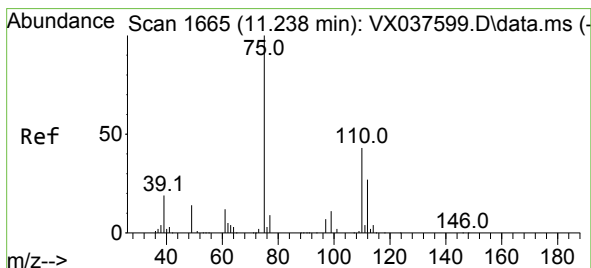
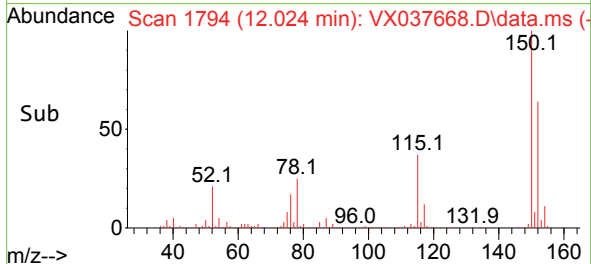
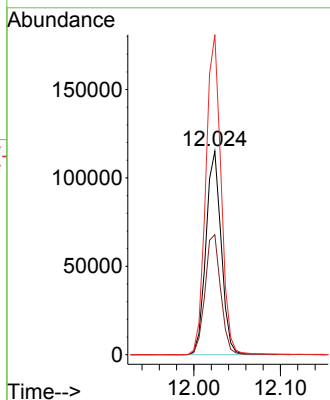
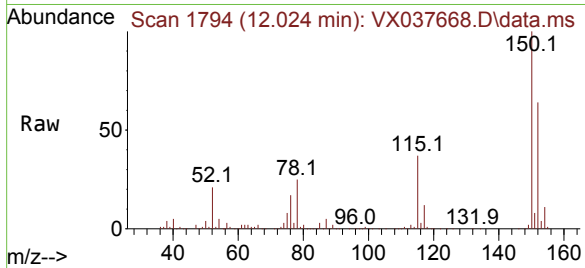




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037668.D
 Acq: 12 Sep 2023 15:00

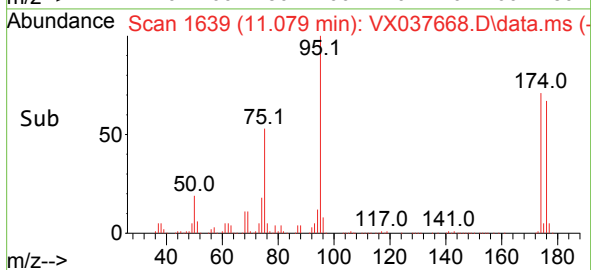
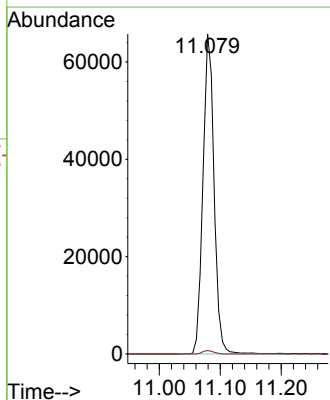
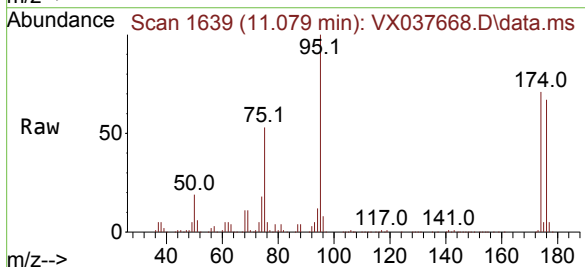
Instrument :
 MSVOA_X
 ClientSampleId :

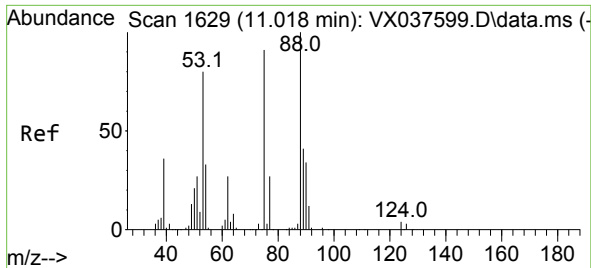
Tgt Ion:152 Resp: 141321
 Ion Ratio Lower Upper
 152 100
 115 60.7 43.3 129.9
 150 157.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 26.854 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037668.D
 Acq: 12 Sep 2023 15:00

Tgt Ion: 75 Resp: 83434
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

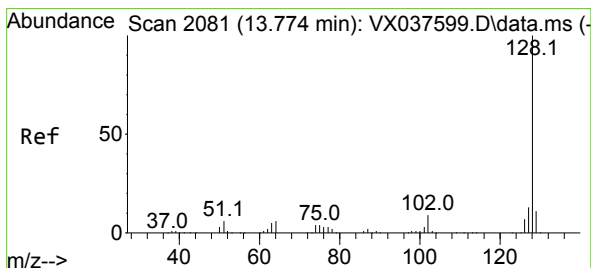
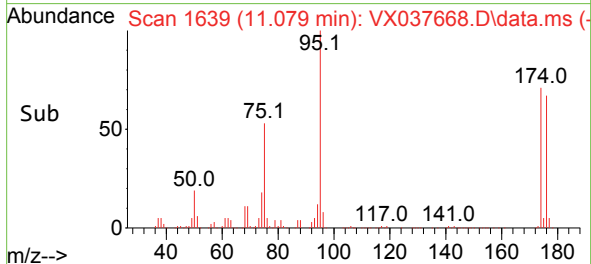
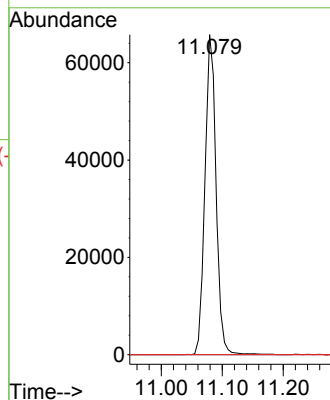
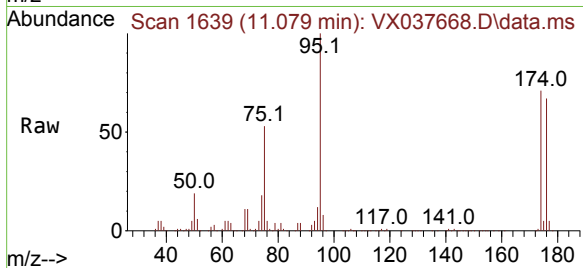




#81
trans-1,4-Dichloro-2-butene
Concen: 81.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 83434
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.272 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion:128 Resp: 2823
Ion Ratio Lower Upper
128 100
127 14.1 10.3 15.5
129 13.8 8.8 13.2#

