

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100923\
 Data File : VX038164.D
 Acq On : 09 Oct 2023 12:18
 Operator : JC/MD
 Sample : 04810-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 00:54:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

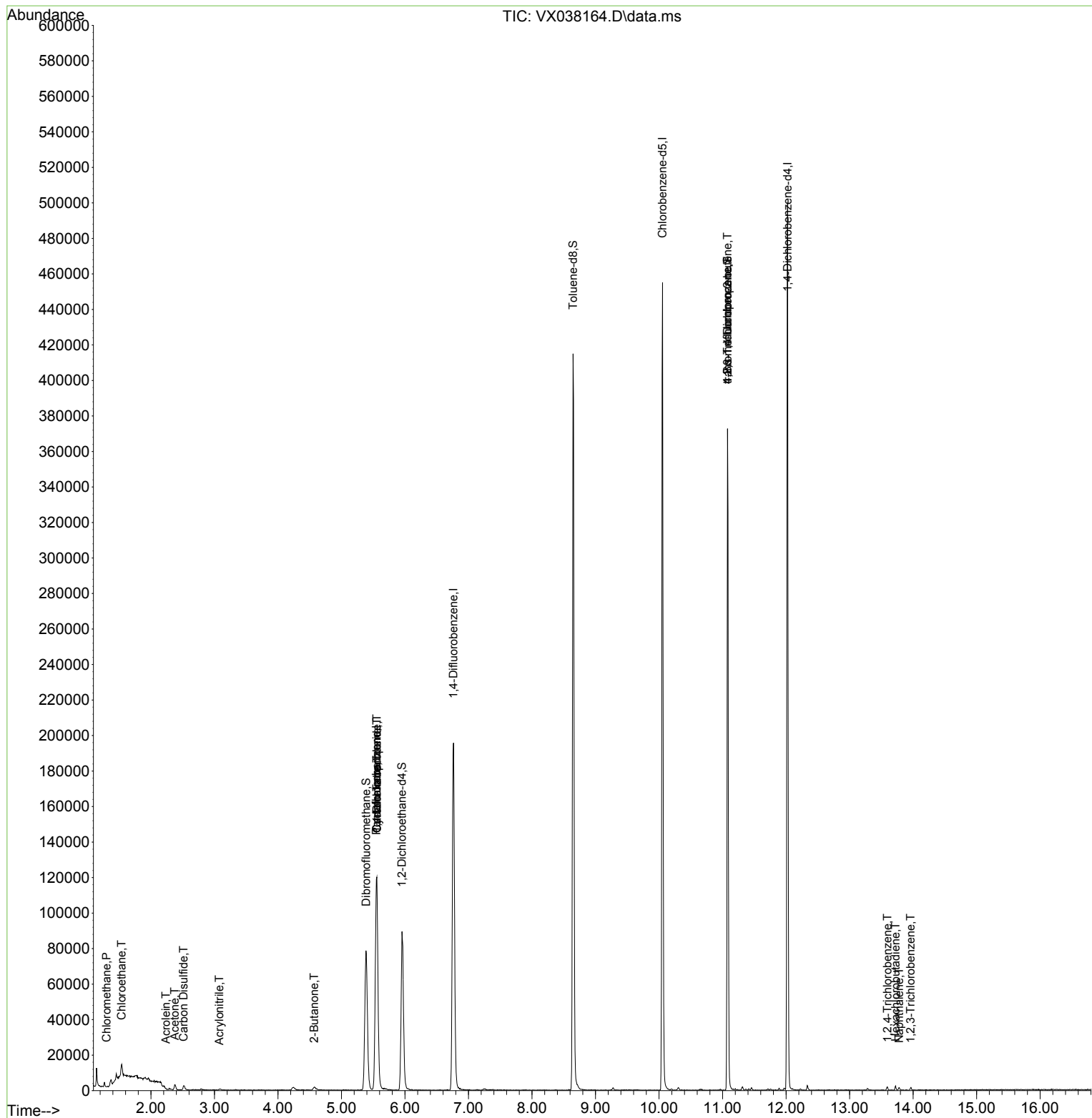
Internal Standards						
1) Pentafluorobenzene	5.550	168	114676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	204640	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85027	46.098	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.200%
35) Dibromofluoromethane	5.385	113	66396	45.028	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.060%
50) Toluene-d8	8.647	98	250757	44.503	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.000%#
62) 4-Bromofluorobenzene	11.079	95	94015	44.011	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.020%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	255	0.226	ug/l #	85
5) Bromomethane	1.611	94	44	Below Cal	#	3
6) Chloroethane	1.538	64	9828	9.762	ug/l #	46
11) Tert butyl alcohol	2.952	59	23	Below Cal	#	78
13) Acrolein	2.233	56	154	0.587	ug/l #	70
15) Acrylonitrile	3.074	53	234	0.279	ug/l #	28
16) Acetone	2.373	43	3186	4.139	ug/l	99
17) Carbon Disulfide	2.514	76	2358	0.780	ug/l #	93
25) 2-Butanone	4.568	43	2740	2.206	ug/l #	88
31) Cyclohexane	5.556	56	2599	1.301	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9605	4.724	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12450	6.224	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	51697	22.664	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51697	64.873	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.597	180	606	0.285	ug/l	84
94) Hexachlorobutadiene	13.725	225	357	0.417	ug/l	95
95) Naphthalene	13.780	128	1544	0.208	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	514	0.250	ug/l	94

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

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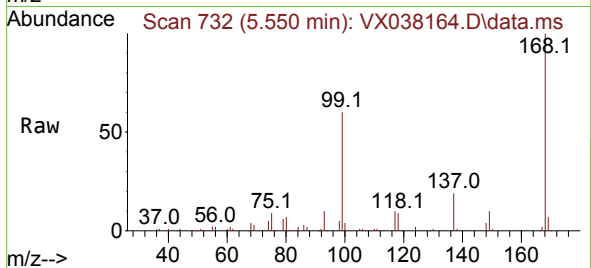
Quant Time: Oct 10 00:54:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



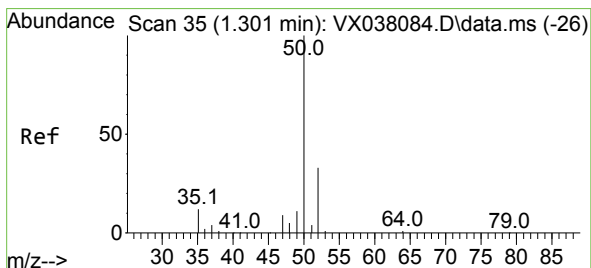
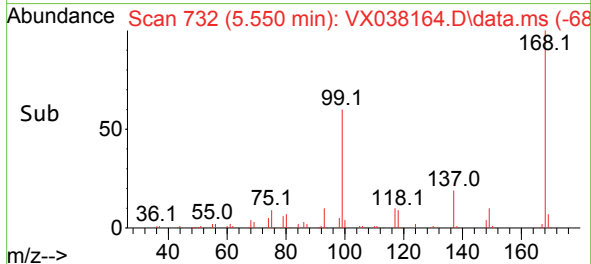
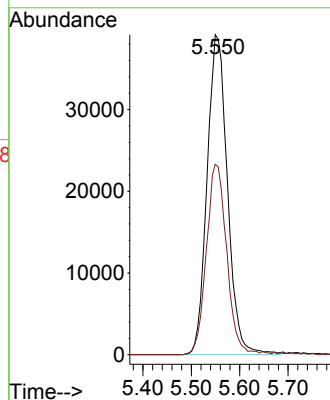


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Instrument :
MSVOA_X
ClientSampleId :

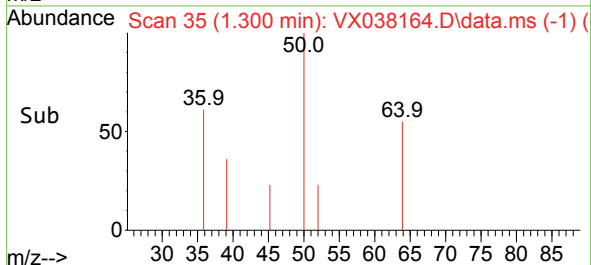
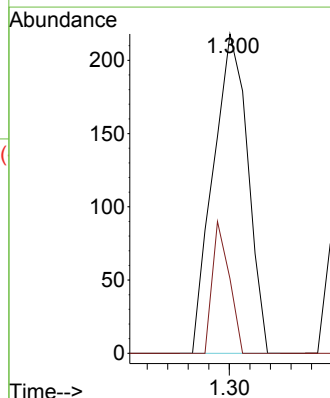
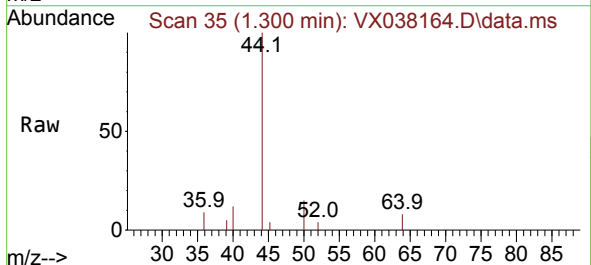


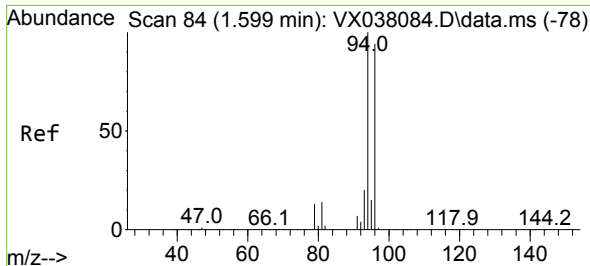
Tgt Ion:168 Resp: 114676
Ion Ratio Lower Upper
168 100
99 59.5 56.6 85.0



#3
Chloromethane
Concen: 0.226 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Tgt Ion: 50 Resp: 255
Ion Ratio Lower Upper
50 100
52 23.4 25.5 38.3#

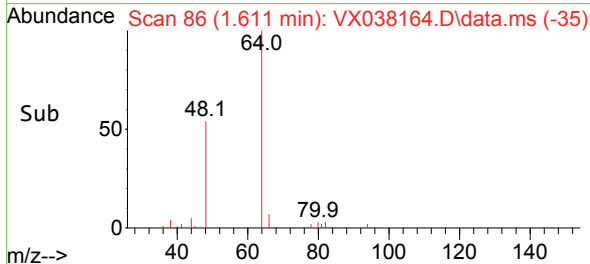
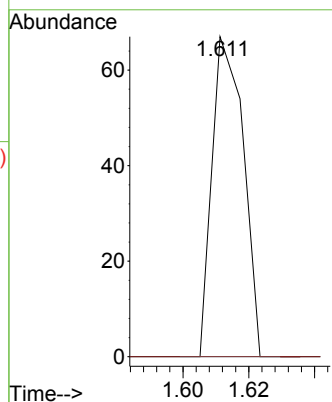
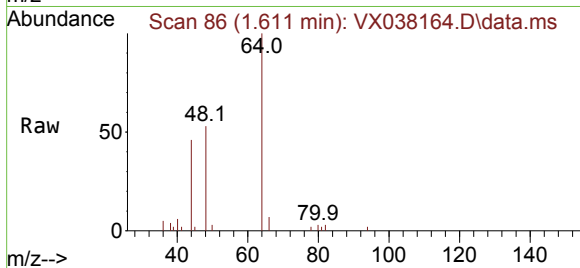




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

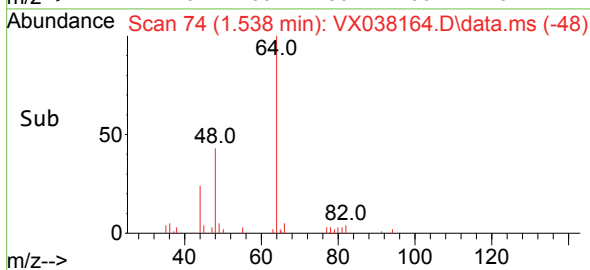
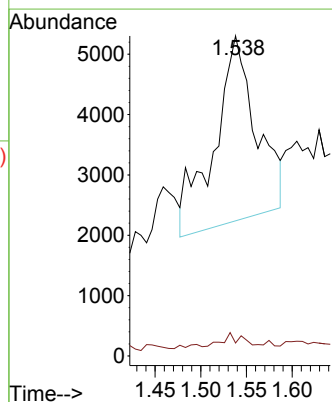
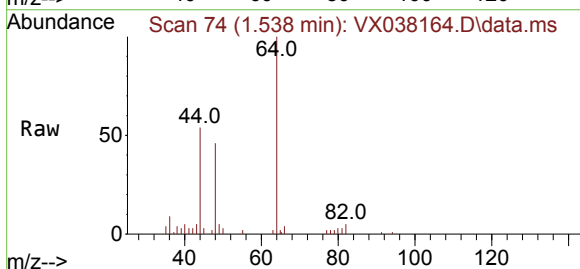
Instrument :
MSVOA_X
ClientSampleId :

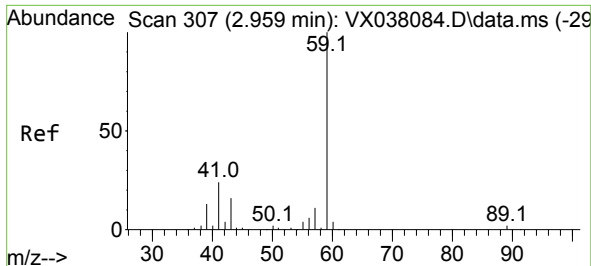
Tgt Ion: 94 Resp: 44
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: 9.762 ug/l
RT: 1.538 min Scan# 74
Delta R.T. -0.141 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

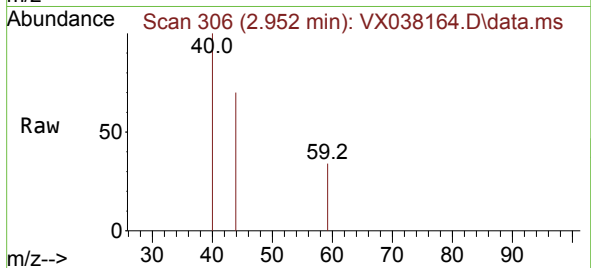
Tgt Ion: 64 Resp: 9828
Ion Ratio Lower Upper
64 100
66 1.8 25.1 37.7#



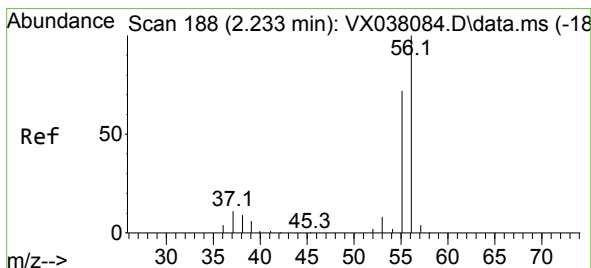
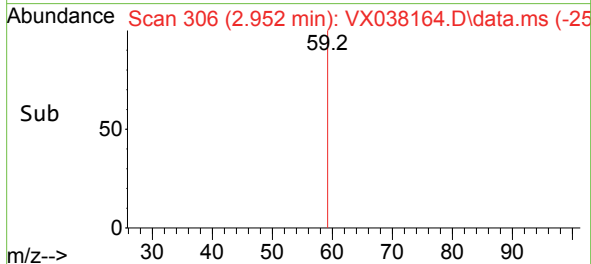
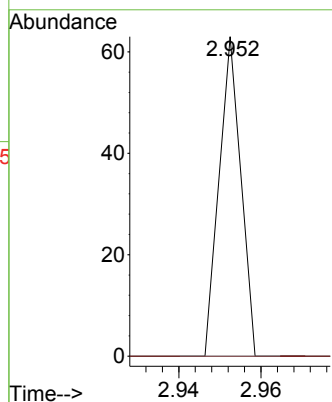


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.952 min Scan# 307
Delta R.T. -0.007 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Instrument :
MSVOA_X
ClientSampleId :

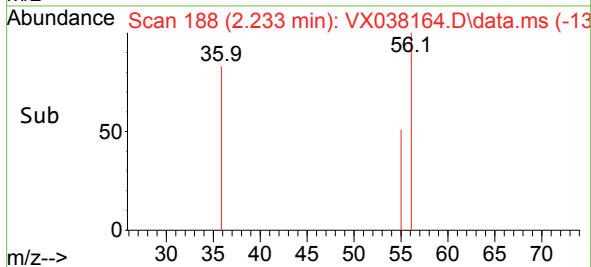
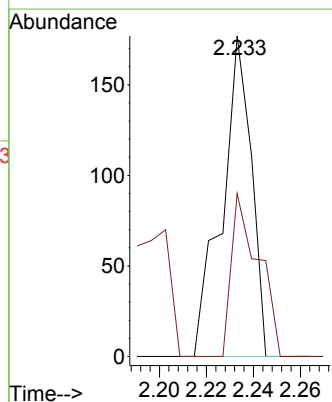
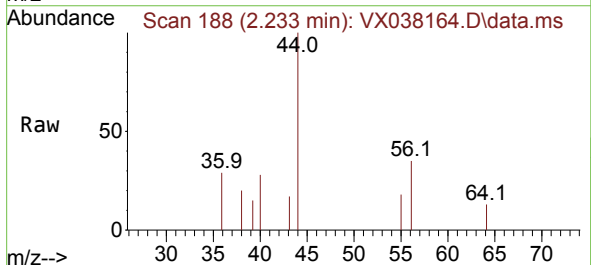


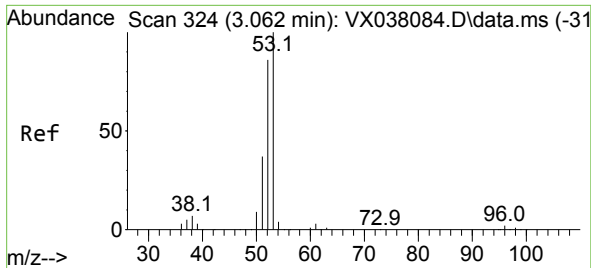
Tgt Ion: 59 Resp: 23
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.587 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 46.8 57.1 85.7#





#15

Acrylonitrile

Concen: 0.279 ug/l

RT: 3.074 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX038164.D

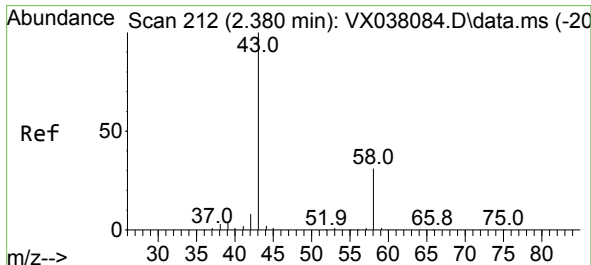
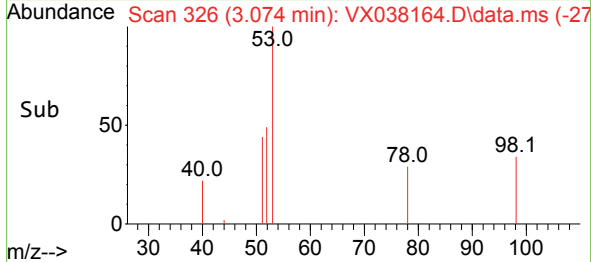
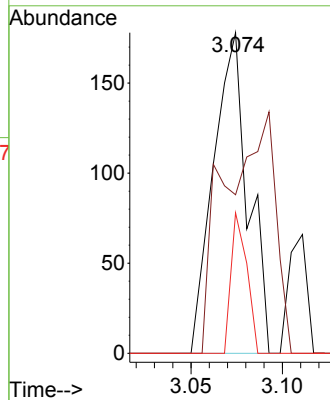
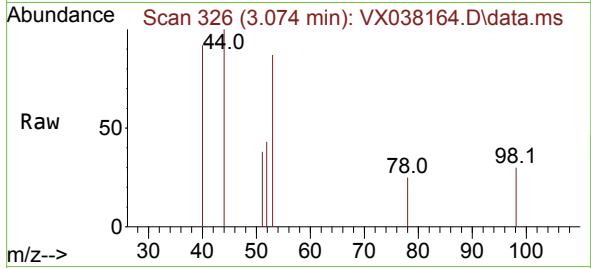
Acq: 09 Oct 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp:	234
Ion	Ratio	Lower Upper
53	100	
52	0.0	66.0 99.0#
51	20.1	29.8 44.6#



#16

Acetone

Concen: 4.139 ug/l

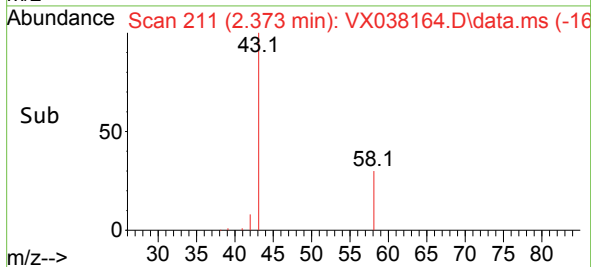
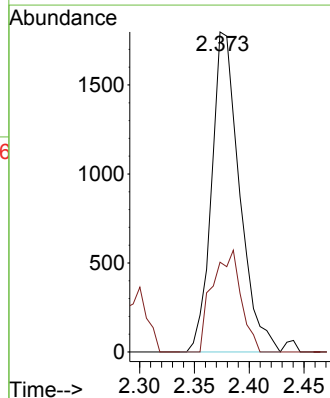
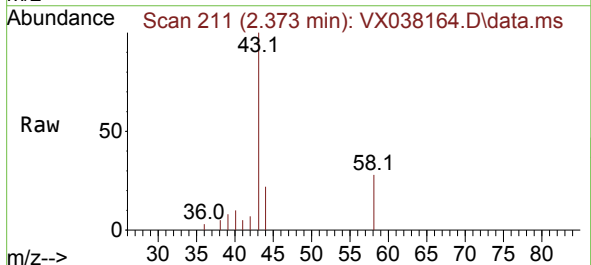
RT: 2.373 min Scan# 211

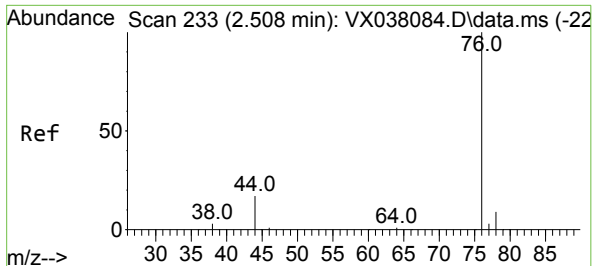
Delta R.T. -0.007 min

Lab File: VX038164.D

Acq: 09 Oct 2023 12:18

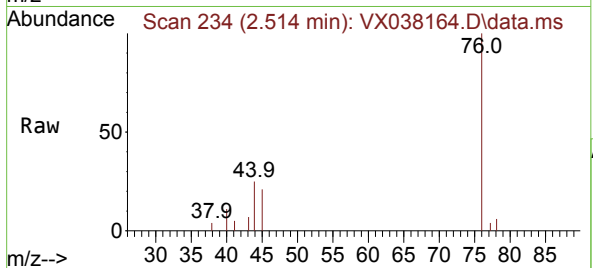
Tgt Ion: 43	Resp:	3186
Ion	Ratio	Lower Upper
43	100	
58	28.0	21.9 32.9



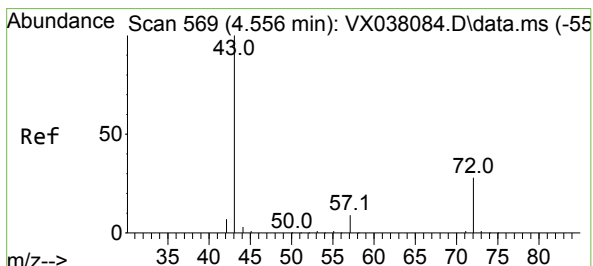
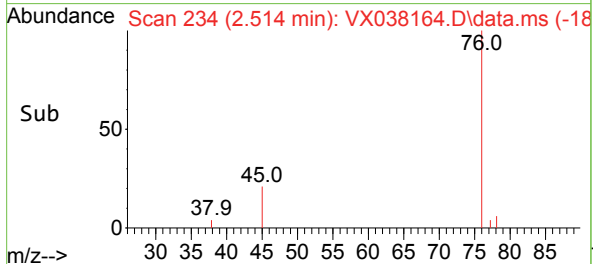
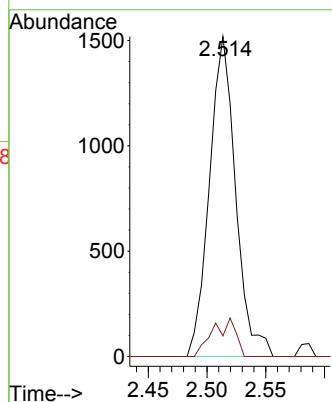


#17
Carbon Disulfide
Concen: 0.780 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Instrument :
MSVOA_X
ClientSampleId :

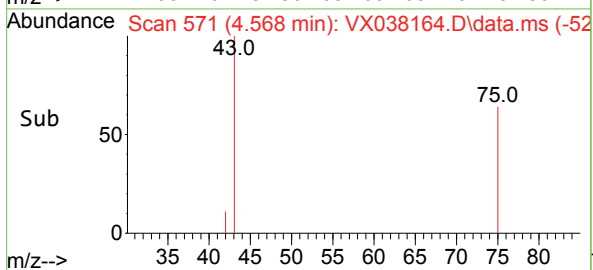
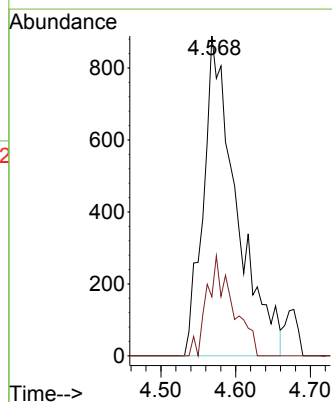
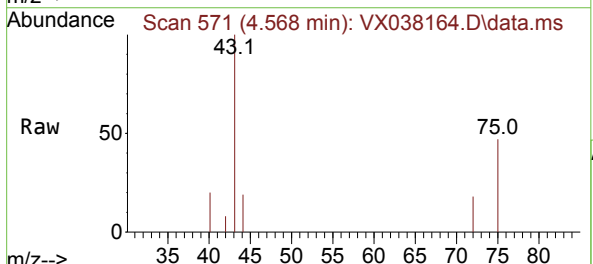


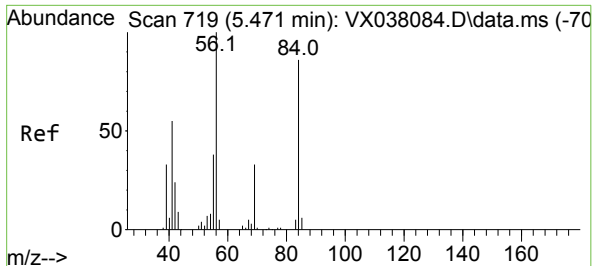
Tgt Ion: 76 Resp: 2358
Ion Ratio Lower Upper
76 100
78 6.5 7.0 10.6#



#25
2-Butanone
Concen: 2.206 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

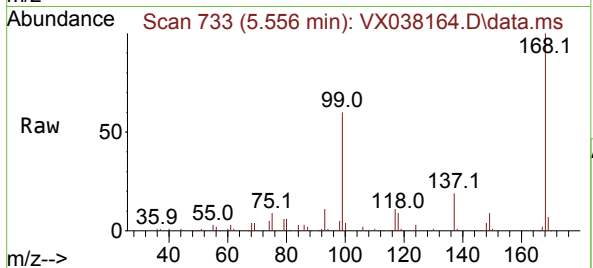
Tgt Ion: 43 Resp: 2740
Ion Ratio Lower Upper
43 100
72 18.4 19.4 29.2#



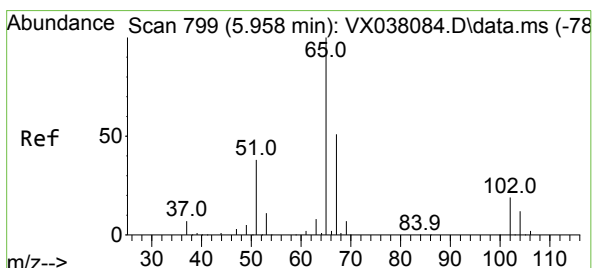
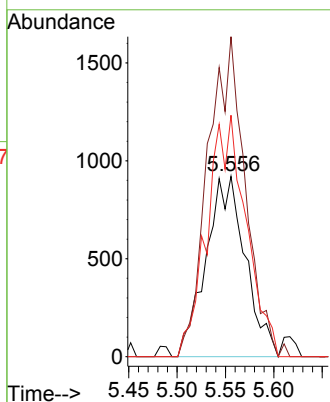
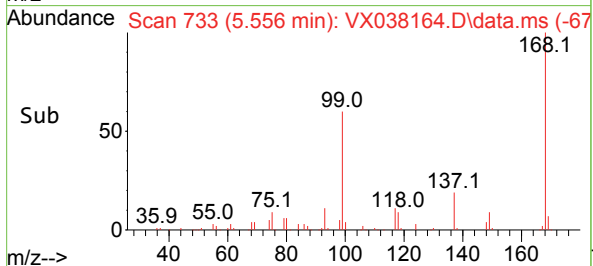


#31
Cyclohexane
Concen: 1.301 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Instrument :
MSVOA_X
ClientSampleId :

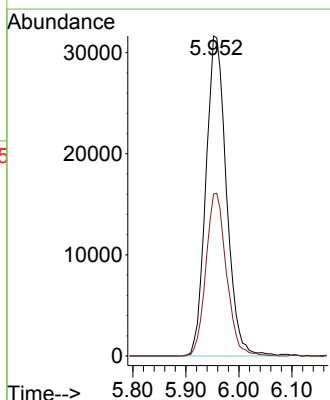
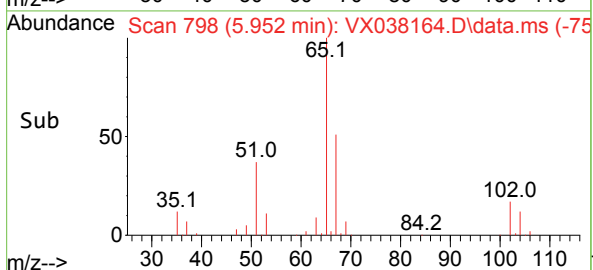
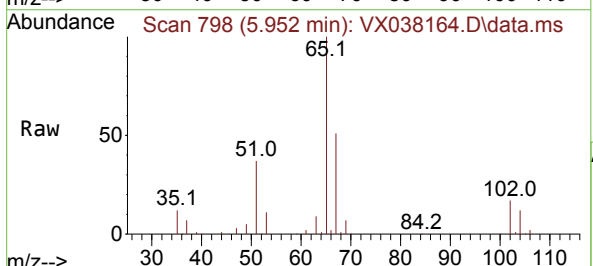


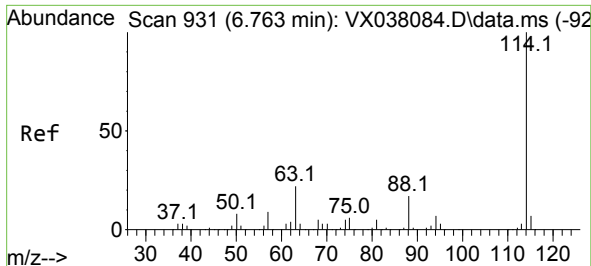
Tgt Ion: 56 Resp: 2599
Ion Ratio Lower Upper
56 100
69 177.4 23.4 35.2#
84 133.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.098 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Tgt Ion: 65 Resp: 85027
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2

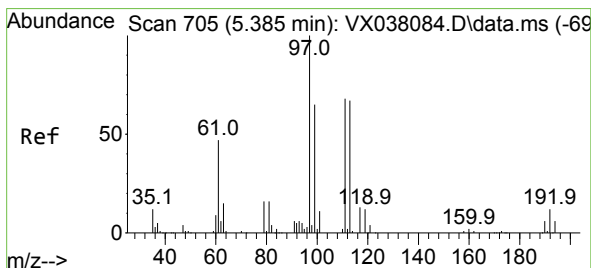
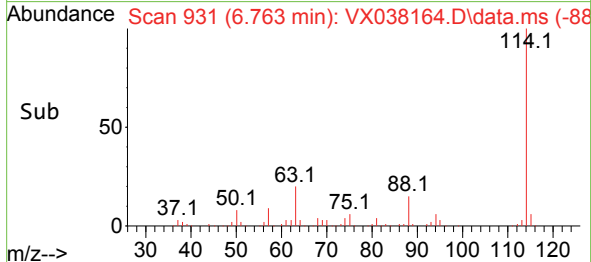
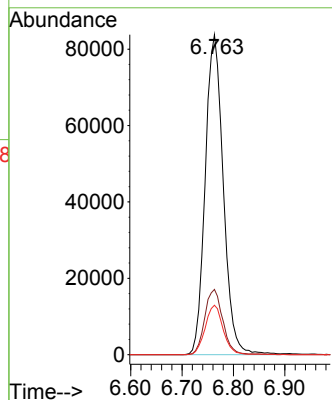
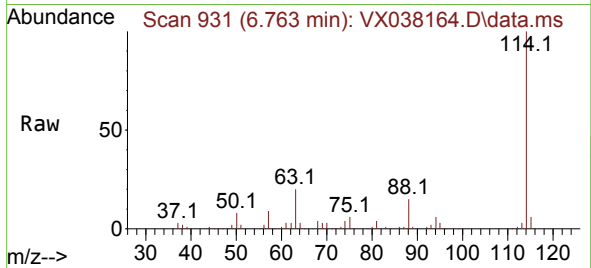




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

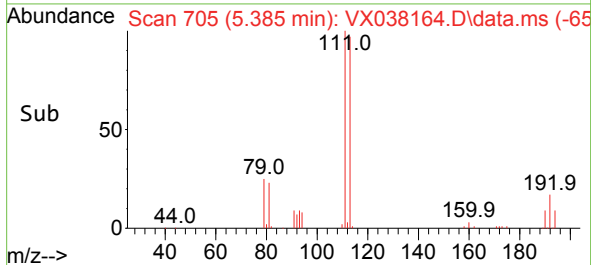
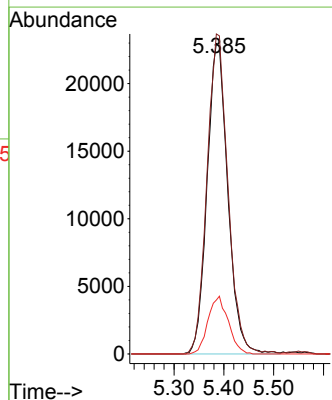
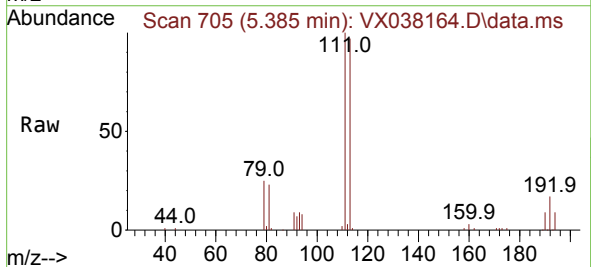
Instrument :
MSVOA_X
ClientSampleId :

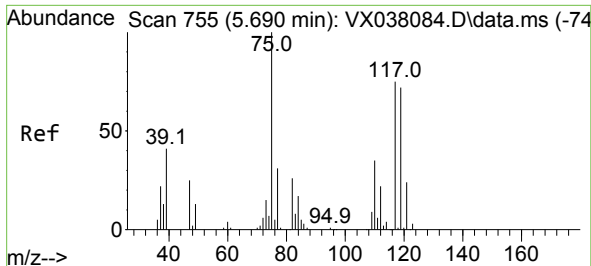
Tgt Ion:114 Resp: 204640
Ion Ratio Lower Upper
114 100
63 20.4 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.028 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

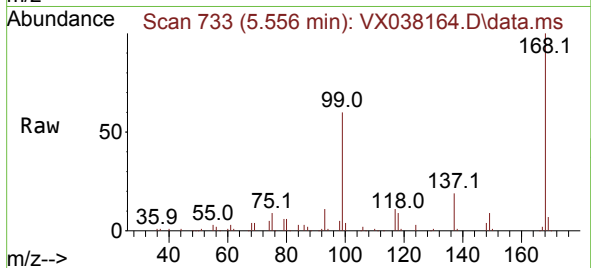
Tgt Ion:113 Resp: 66396
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.2 13.3 19.9



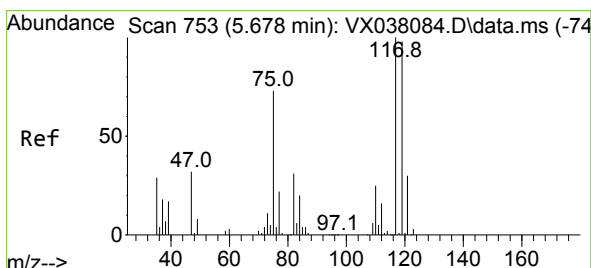
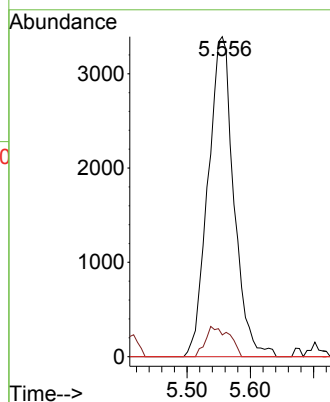
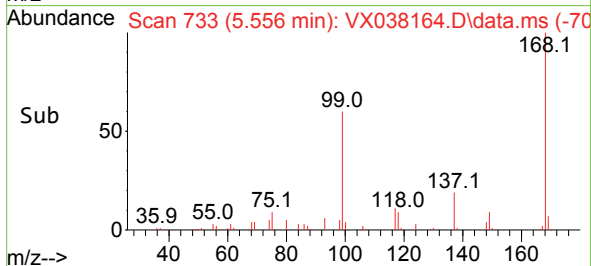


#36
1,1-Dichloropropene
Concen: 4.724 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Instrument :
MSVOA_X
ClientSampleId :

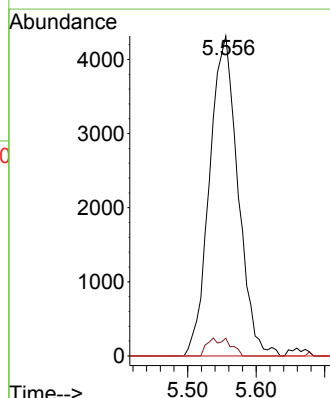
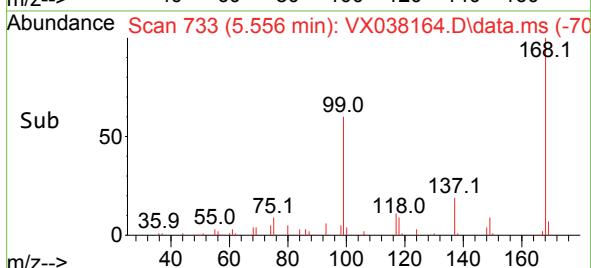
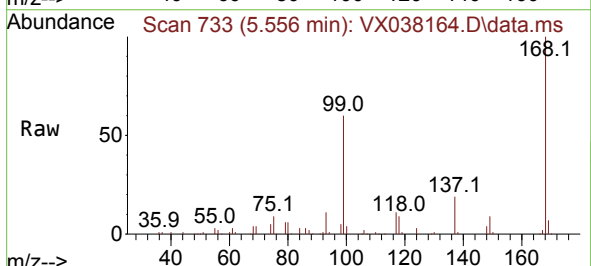


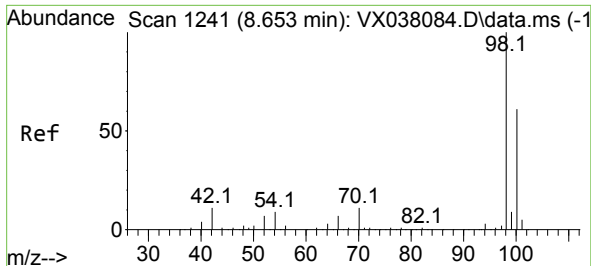
Tgt Ion: 75 Resp: 9605
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.224 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Tgt Ion: 117 Resp: 12450
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#

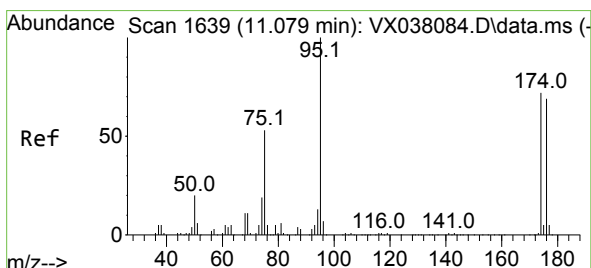
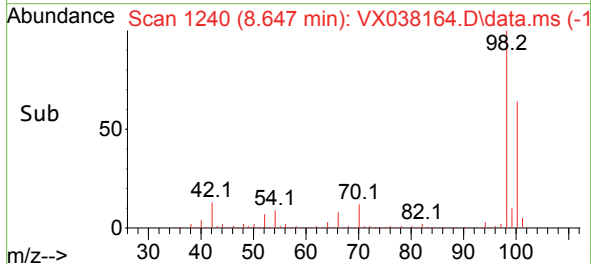
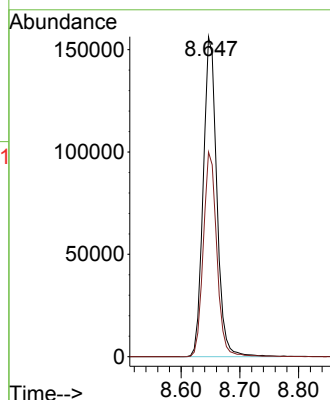
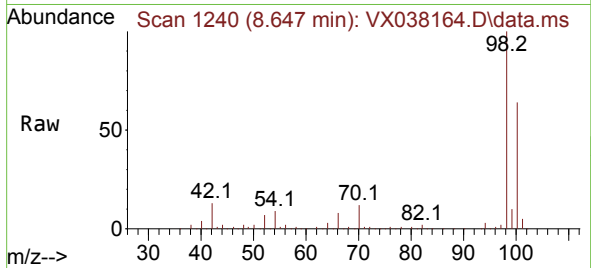




#50
Toluene-d8
Concen: 44.503 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

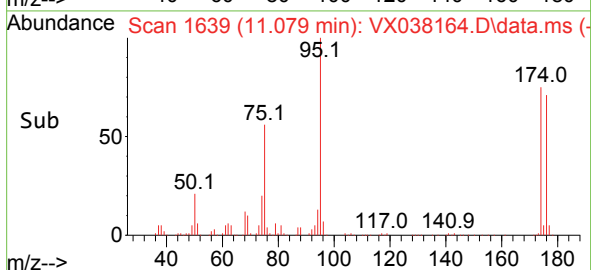
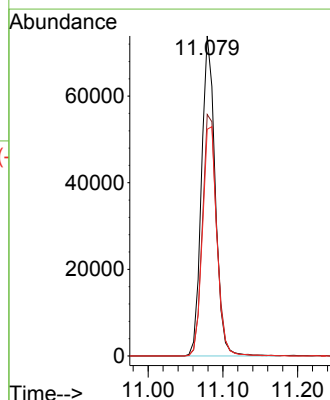
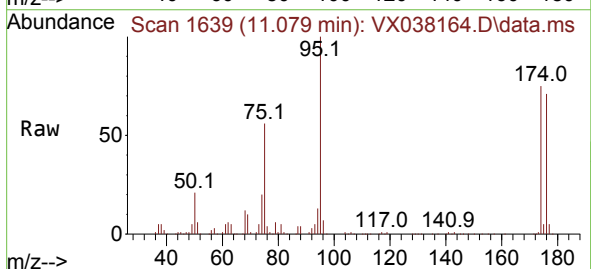
Instrument :
MSVOA_X
ClientSampleId :

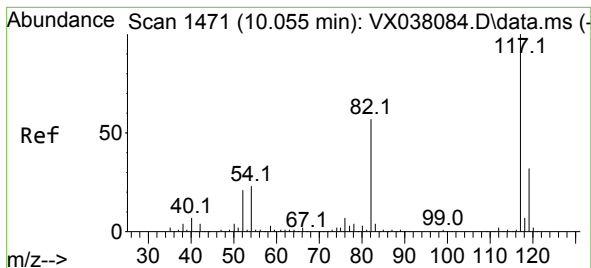
Tgt Ion: 98 Resp: 250757
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.011 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

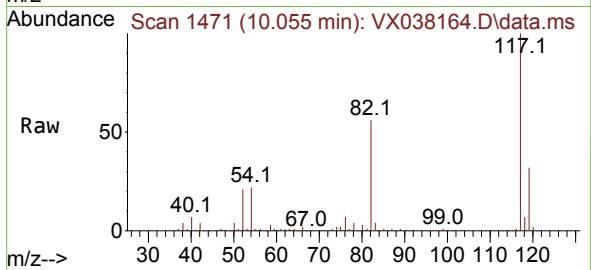
Tgt Ion: 95 Resp: 94015
Ion Ratio Lower Upper
95 100
174 78.8 0.0 135.6
176 75.8 0.0 131.0



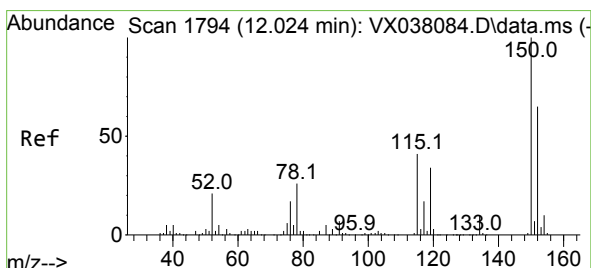
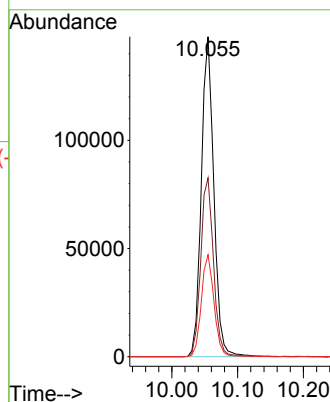
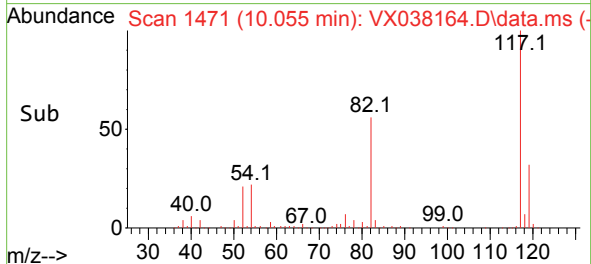


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Instrument :
MSVOA_X
ClientSampleId :

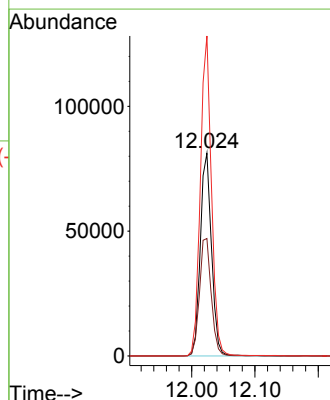
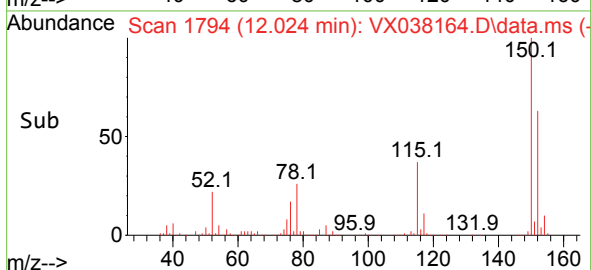
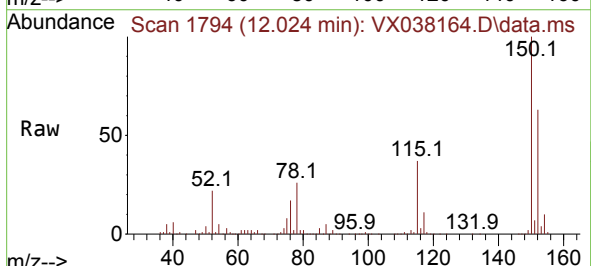


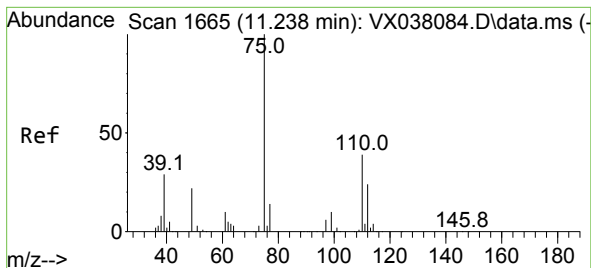
Tgt Ion:117 Resp: 195525
Ion Ratio Lower Upper
117 100
82 55.9 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Tgt Ion:152 Resp: 100335
Ion Ratio Lower Upper
152 100
115 60.9 43.3 129.9
150 155.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.664 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038164.D

Acq: 09 Oct 2023 12:18

Instrument :

MSVOA_X

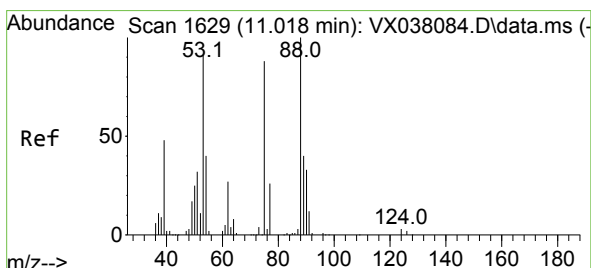
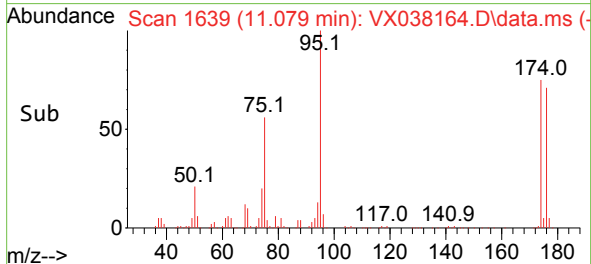
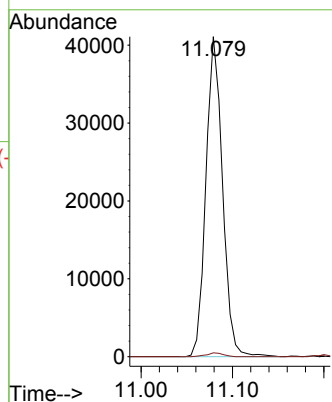
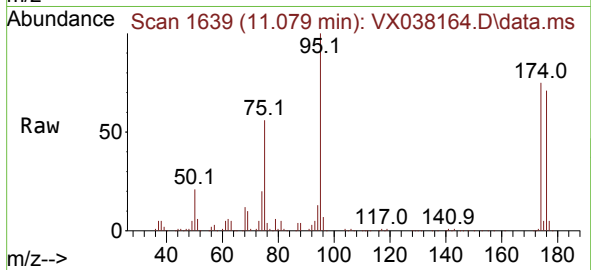
ClientSampleId :

Tgt Ion: 75 Resp: 51697

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.873 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038164.D

Acq: 09 Oct 2023 12:18

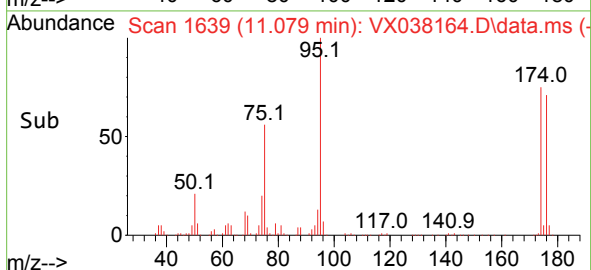
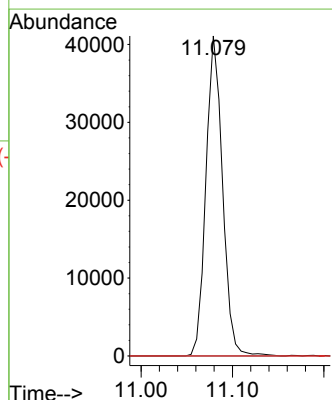
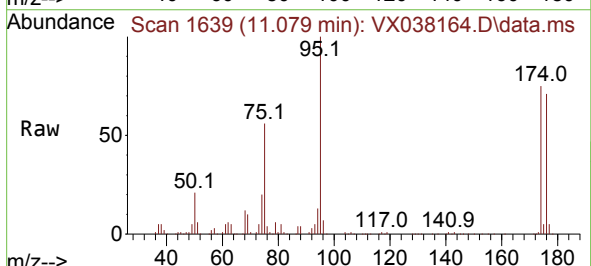
Tgt Ion: 75 Resp: 51697

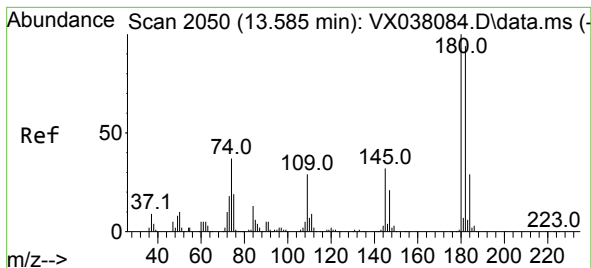
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.285 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX038164.D

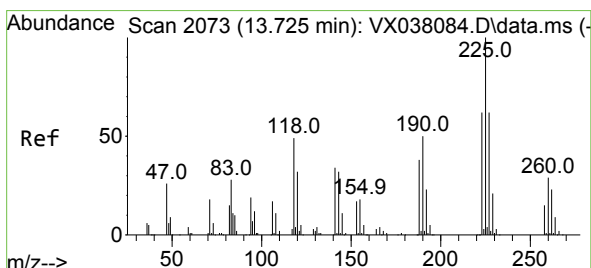
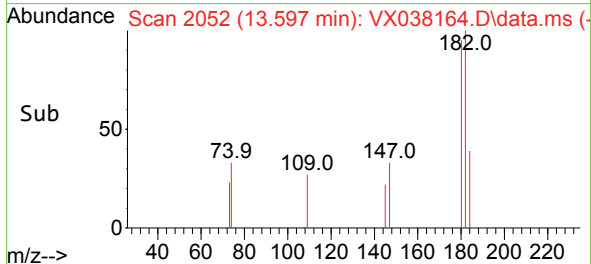
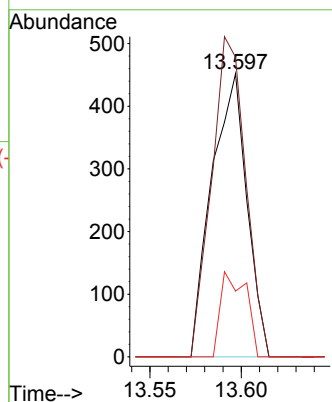
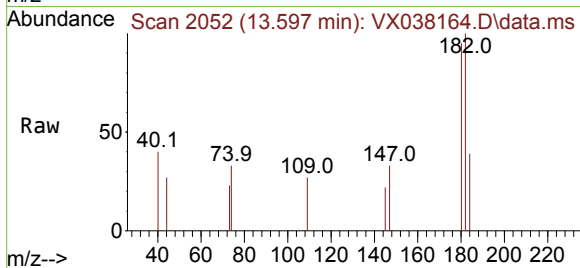
Acq: 09 Oct 2023 12:18

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	606
Ion	Ratio	Lower Upper
180	100	
182	109.4	48.3 144.8
145	21.6	18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.417 ug/l

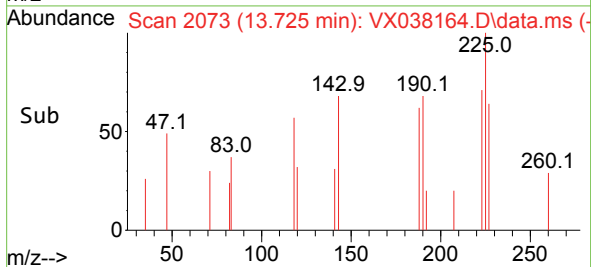
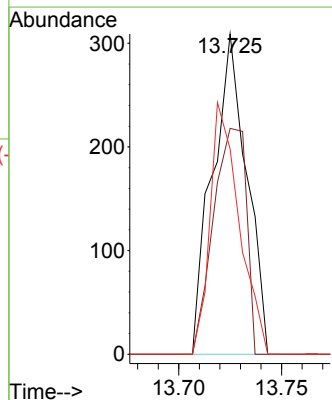
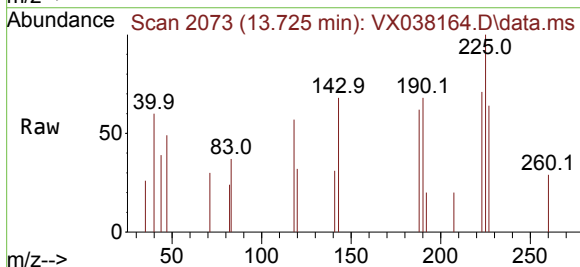
RT: 13.725 min Scan# 2073

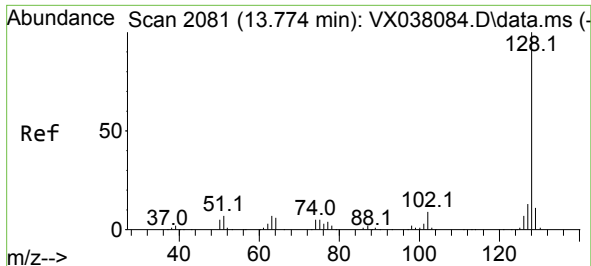
Delta R.T. -0.000 min

Lab File: VX038164.D

Acq: 09 Oct 2023 12:18

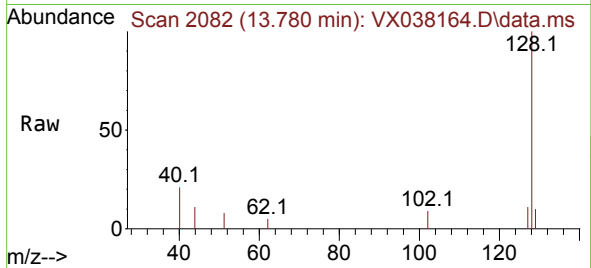
Tgt Ion:225	Resp:	357
Ion	Ratio	Lower Upper
225	100	
223	68.1	31.1 93.2
227	67.2	32.5 97.5



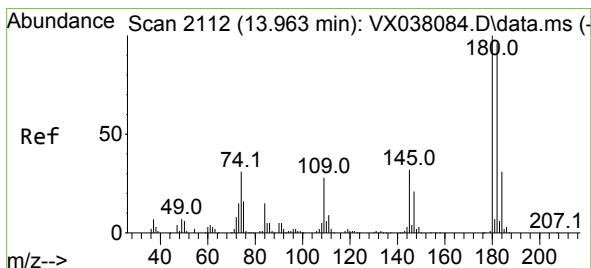
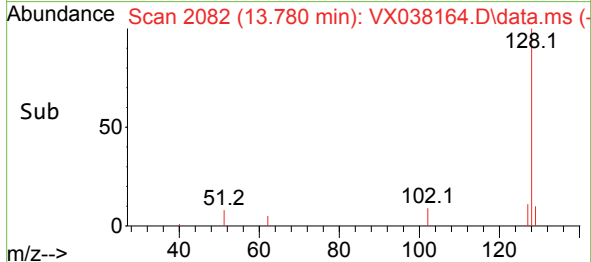
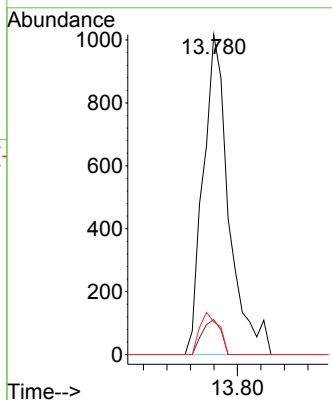


#95
Naphthalene
Concen: 0.208 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1544
Ion Ratio Lower Upper
128 100
127 8.0 10.3 15.5#
129 9.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.250 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX038164.D
Acq: 09 Oct 2023 12:18

Tgt Ion:180 Resp: 514
Ion Ratio Lower Upper
180 100
182 97.7 46.9 140.6
145 29.4 17.8 53.5

