

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038196.D
 Acq On : 10 Oct 2023 13:13
 Operator : JC/MD
 Sample : 04782-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 01:36:51 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)

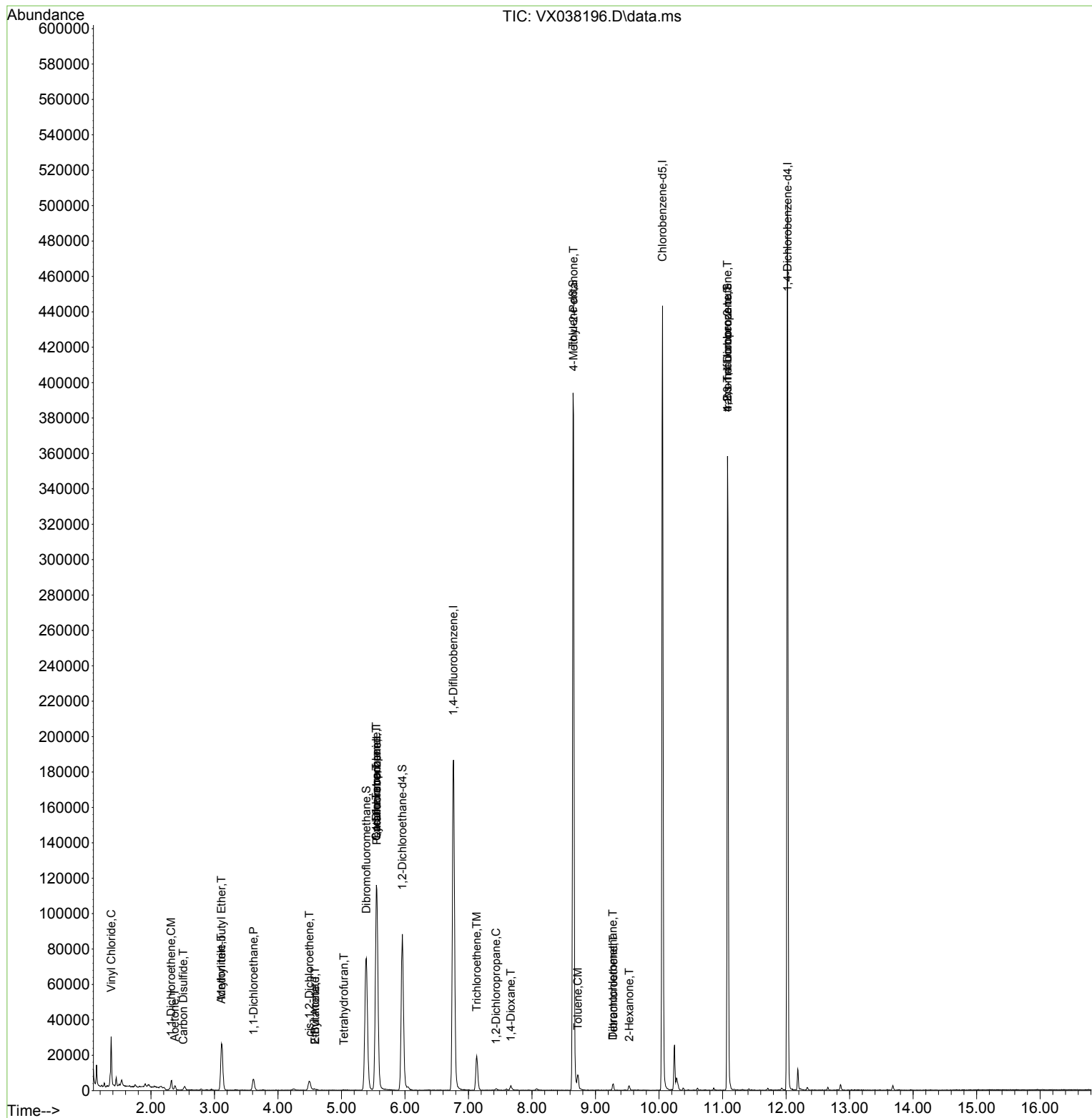
Internal Standards						
1) Pentafluorobenzene	5.556	168	108774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195859	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82229	47.000	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.000%		
35) Dibromofluoromethane	5.391	113	64686	45.835	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.660%		
50) Toluene-d8	8.647	98	243707	45.191	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.380%#		
62) 4-Bromofluorobenzene	11.079	95	90950	44.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.980%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	14229	11.993	ug/l	90
5) Bromomethane	1.520	94	18	Below Cal	#	3
6) Chloroethane	1.648	64	107	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	483	Below Cal	#	78
12) 1,1-Dichloroethene	2.319	96	1731	1.739	ug/l #	79
15) Acrylonitrile	3.105	53	302	0.379	ug/l #	1
16) Acetone	2.373	43	2632	3.605	ug/l	93
17) Carbon Disulfide	2.507	76	661	0.230	ug/l #	82
19) Methyl tert-butyl Ether	3.111	73	28938	7.301	ug/l	99
24) 1,1-Dichloroethane	3.617	63	7041	3.110	ug/l	99
25) 2-Butanone	4.586	43	464	0.394	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	3264	2.224	ug/l	81
29) Tetrahydrofuran	5.038	42	207	0.270	ug/l #	34
31) Cyclohexane	5.550	56	2697	1.423	ug/l #	15
36) 1,1-Dichloropropene	5.550	75	8810	4.527	ug/l #	51
37) Ethyl Acetate	4.586	43	464	0.201	ug/l #	69
38) Carbon Tetrachloride	5.550	117	11670	6.096	ug/l #	14
44) Trichloroethene	7.129	130	7505	5.272	ug/l	87
45) 1,2-Dichloropropane	7.433	63	511	0.363	ug/l #	83
49) 1,4-Dioxane	7.665	88	1829	45.061	ug/l #	91
51) 4-Methyl-2-Pentanone	8.653	43	1001	0.421	ug/l #	1
52) Toluene	8.720	92	3059	0.863	ug/l	91
59) 2-Hexanone	9.531	43	466	0.244	ug/l #	26
60) Dibromochloromethane	9.275	129	809	0.545	ug/l #	11
64) Tetrachloroethene	9.281	164	814	0.650	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	50864	22.144	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50864	63.478	ug/l #	5

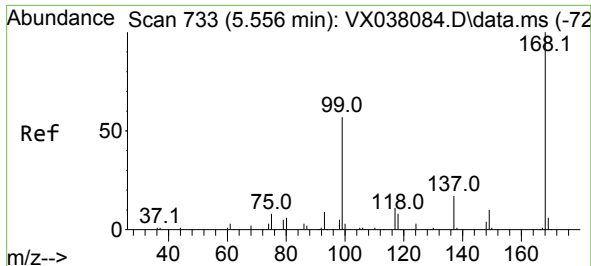
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
Data File : VX038196.D
Acq On : 10 Oct 2023 13:13
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

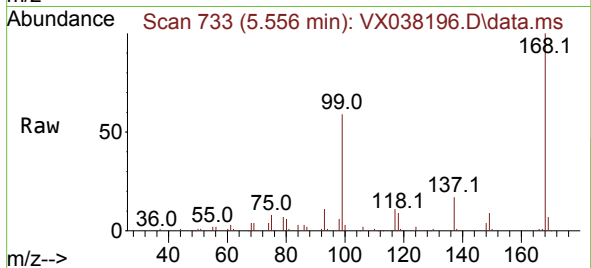
Quant Time: Oct 11 01:36:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



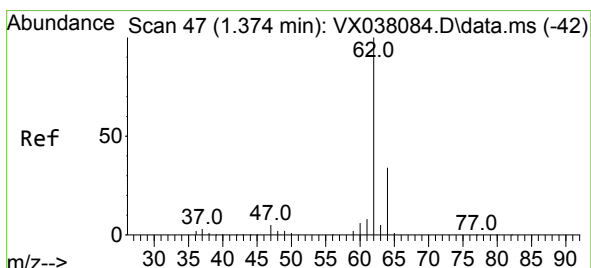
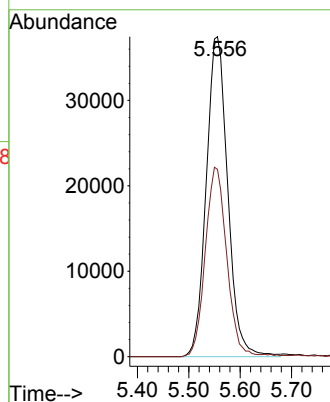
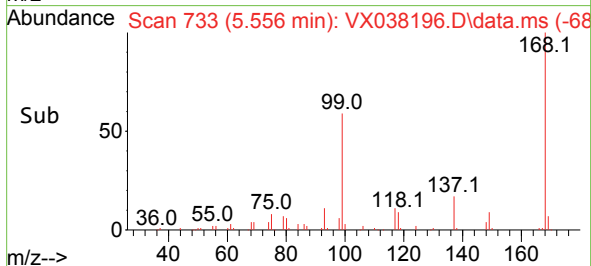


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Instrument :
MSVOA_X
ClientSampleId :

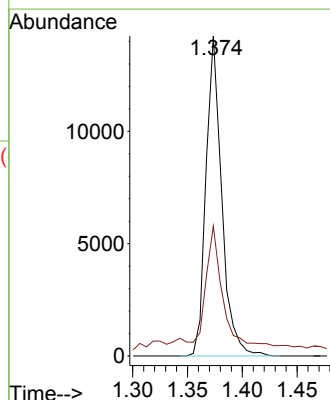
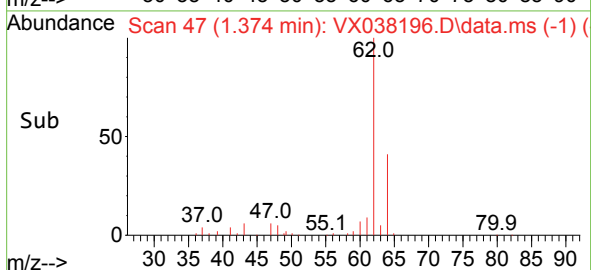
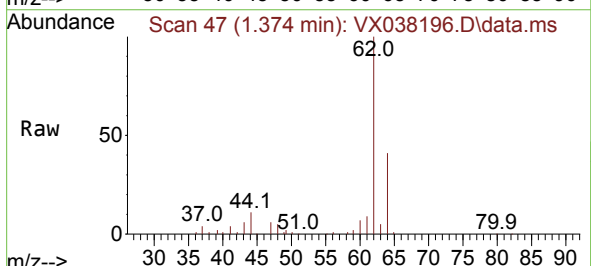


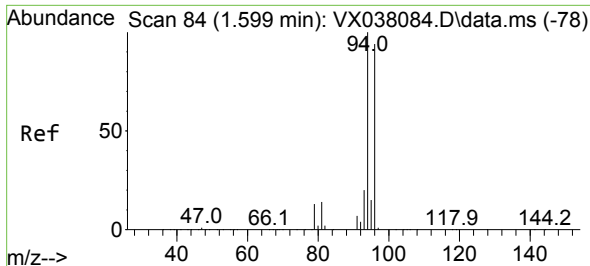
Tgt Ion:168 Resp: 108774
Ion Ratio Lower Upper
168 100
99 58.6 56.6 85.0



#4
Vinyl Chloride
Concen: 11.993 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Tgt Ion: 62 Resp: 14229
Ion Ratio Lower Upper
62 100
64 37.4 25.4 38.0

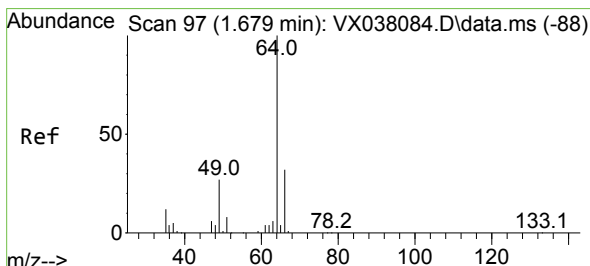
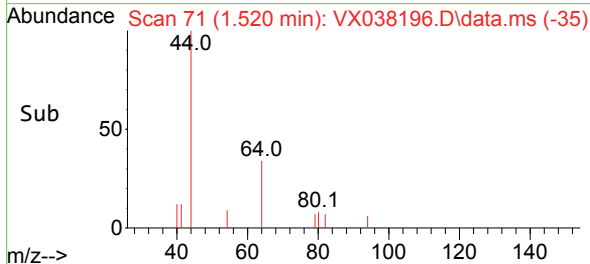
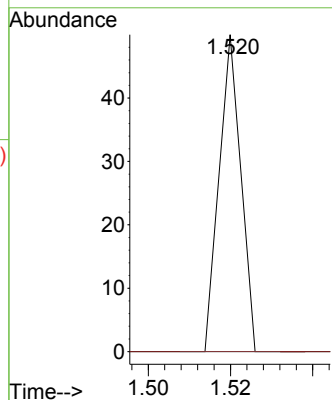
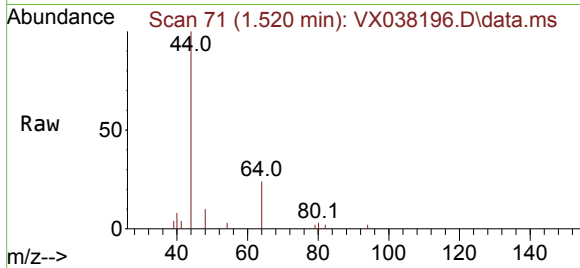




#5
Bromomethane
Concen: Below Cal
RT: 1.520 min Scan# 71
Delta R.T. -0.079 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

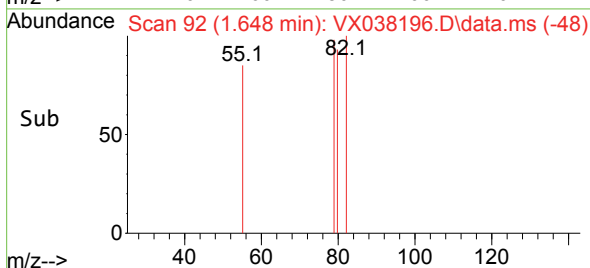
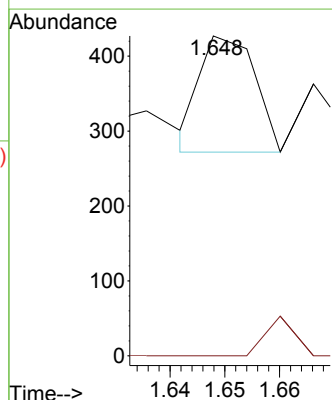
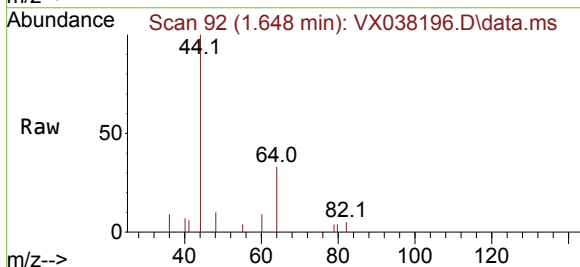
Instrument :
MSVOA_X
ClientSampleId :

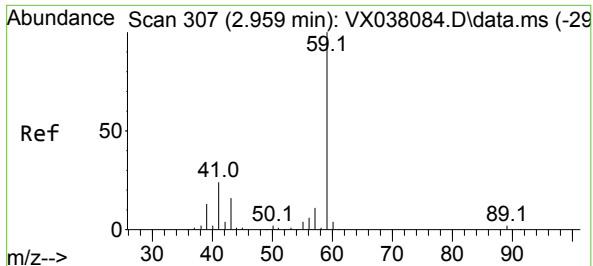
Tgt Ion: 94 Resp: 18
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 92
Delta R.T. -0.031 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

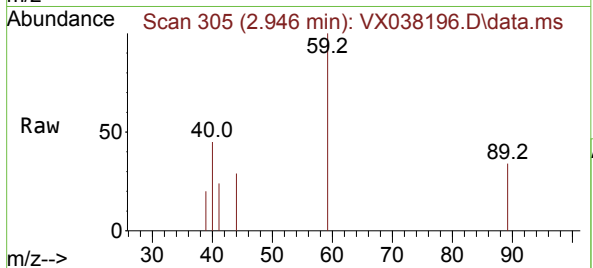
Tgt Ion: 64 Resp: 107
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



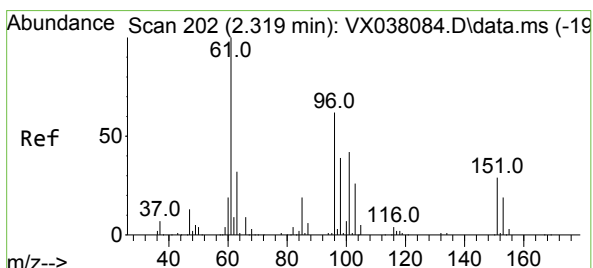
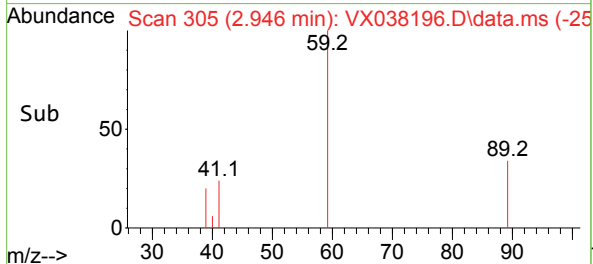
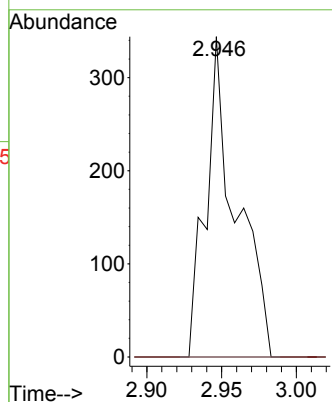


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 307
Delta R.T. -0.013 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Instrument :
MSVOA_X
ClientSampleId :

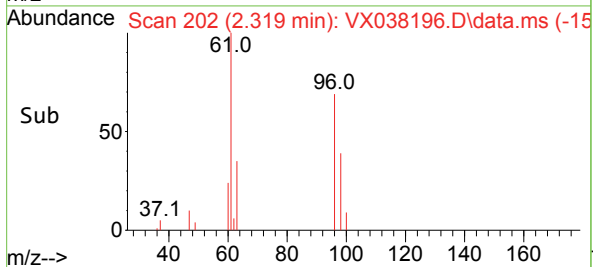
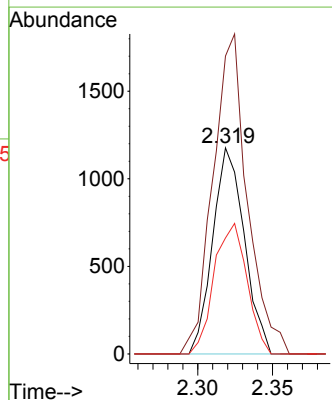
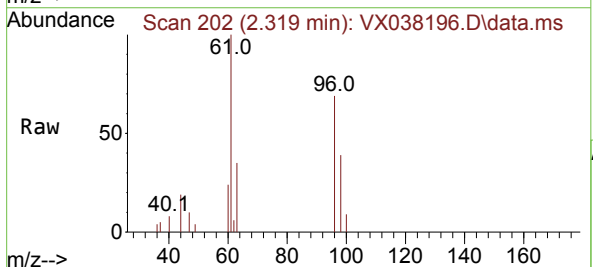


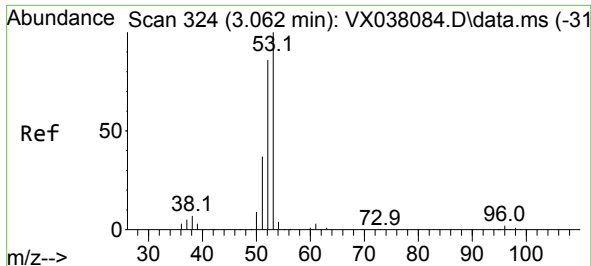
Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 1.739 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Tgt Ion: 96 Resp: 1731
Ion Ratio Lower Upper
96 100
61 144.5 144.6 216.8#
98 56.2 50.4 75.6





#15

Acrylonitrile

Concen: 0.379 ug/l

RT: 3.105 min Scan# 31

Delta R.T. 0.043 min

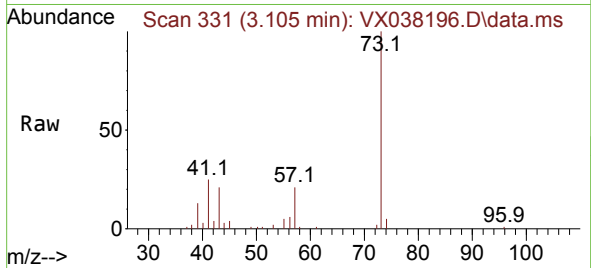
Lab File: VX038196.D

Acq: 10 Oct 2023 13:13

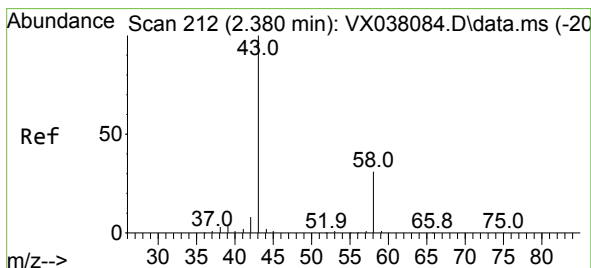
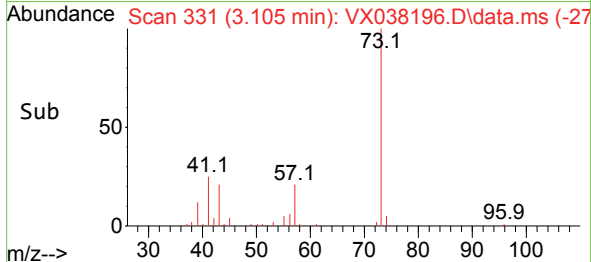
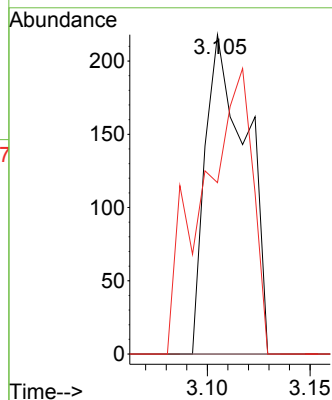
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 53	Resp:	302
Ion	Ratio	Lower Upper
53	100	
52	0.0	66.0 99.0#
51	108.9	29.8 44.6#



#16

Acetone

Concen: 3.605 ug/l

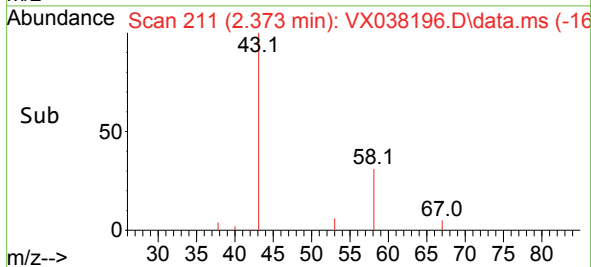
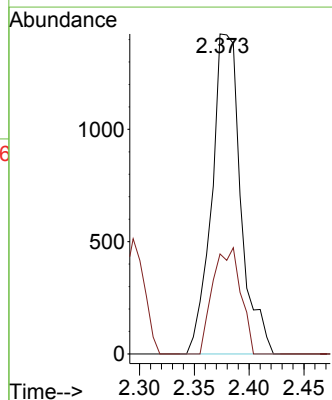
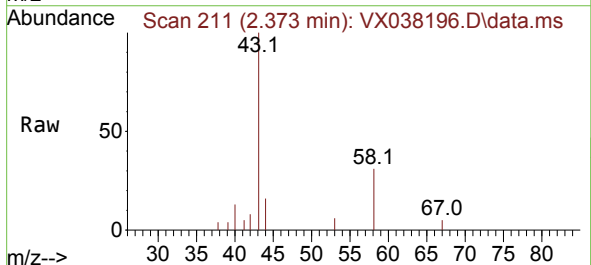
RT: 2.373 min Scan# 211

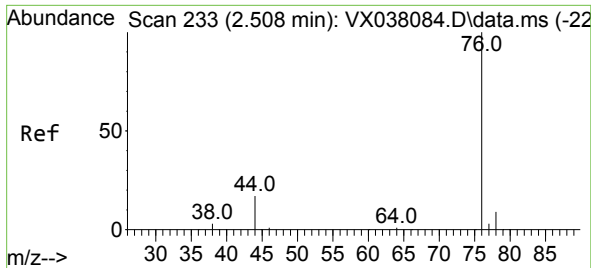
Delta R.T. -0.007 min

Lab File: VX038196.D

Acq: 10 Oct 2023 13:13

Tgt Ion: 43	Resp:	2632
Ion	Ratio	Lower Upper
43	100	
58	31.2	21.9 32.9

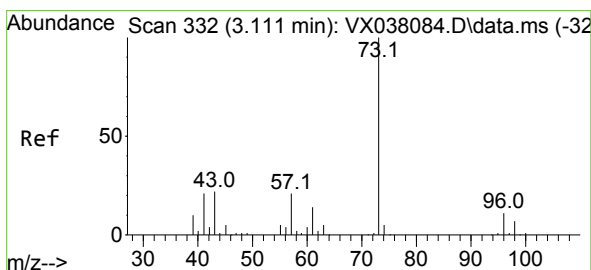
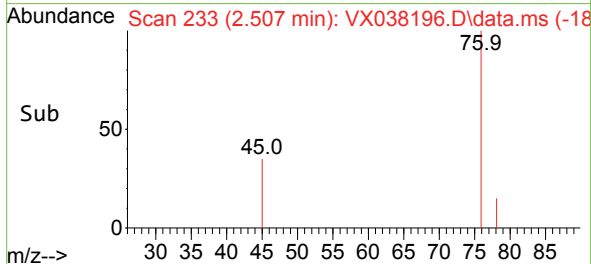
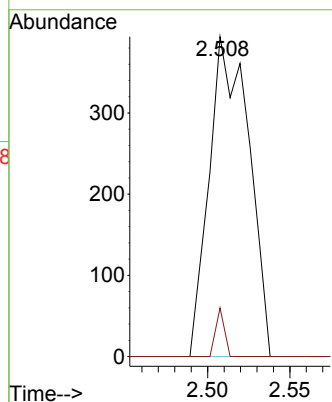
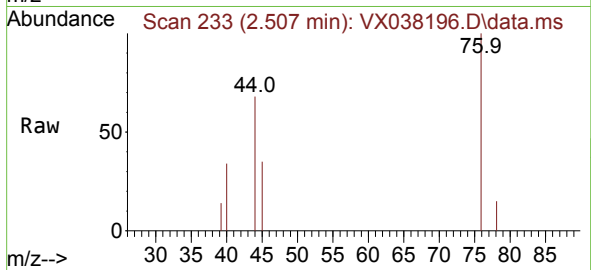




#17
Carbon Disulfide
Concen: 0.230 ug/l
RT: 2.507 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

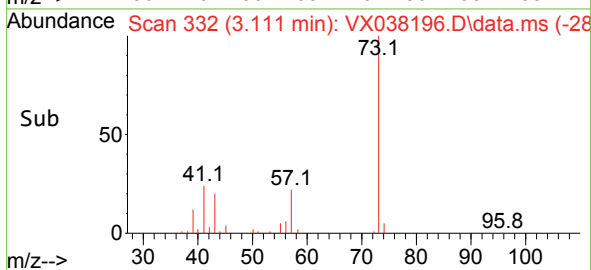
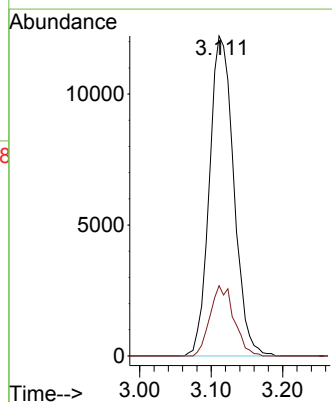
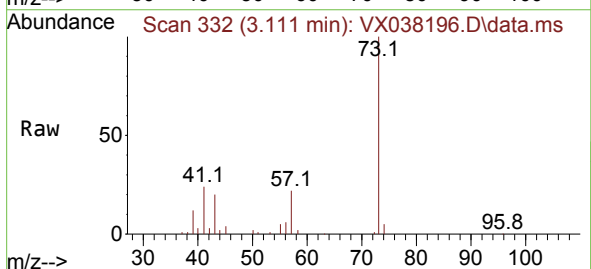
Instrument :
MSVOA_X
ClientSampleId :

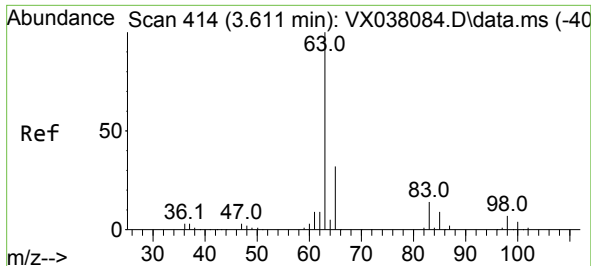
Tgt Ion: 76 Resp: 661
Ion Ratio Lower Upper
76 100
78 15.2 7.0 10.6#



#19
Methyl tert-butyl Ether
Concen: 7.301 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Tgt Ion: 73 Resp: 28938
Ion Ratio Lower Upper
73 100
57 22.0 17.3 25.9

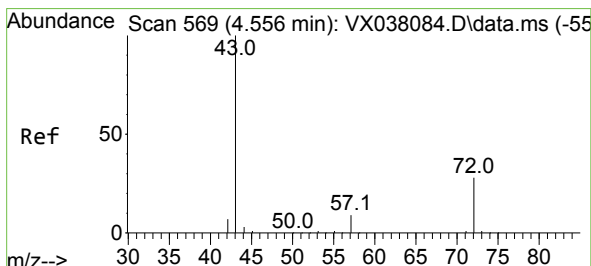
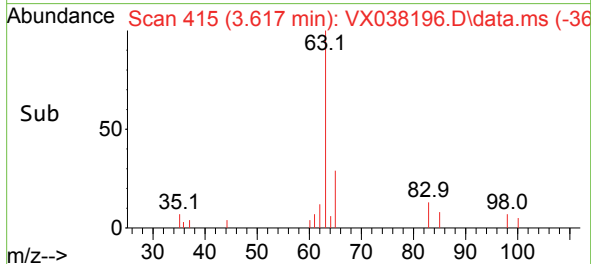
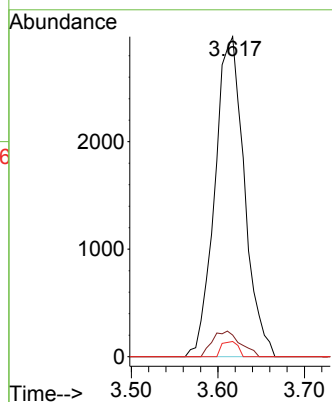
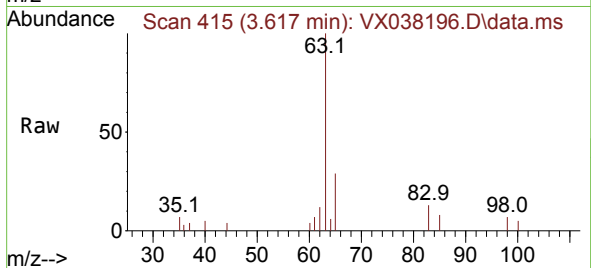




#24
 1,1-Dichloroethane
 Concen: 3.110 ug/l
 RT: 3.617 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX038196.D
 Acq: 10 Oct 2023 13:13

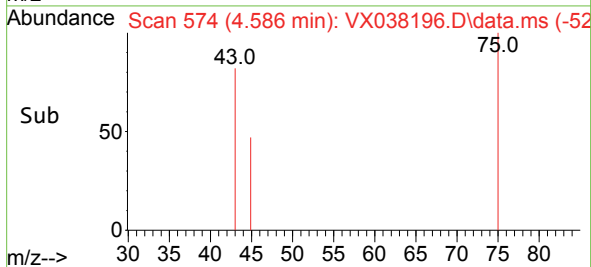
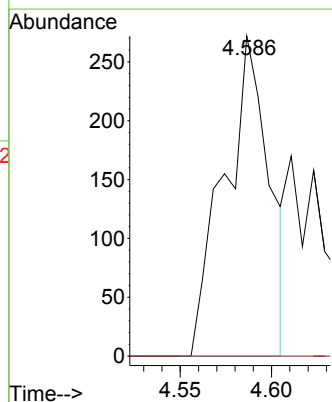
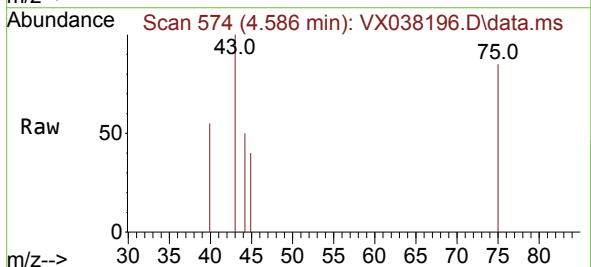
Instrument :
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 ClientSampleId :

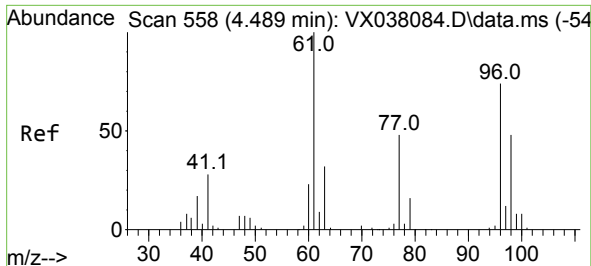
Tgt Ion: 63 Resp: 7041
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.7 2.1 6.5



#25
 2-Butanone
 Concen: 0.394 ug/l
 RT: 4.586 min Scan# 574
 Delta R.T. 0.030 min
 Lab File: VX038196.D
 Acq: 10 Oct 2023 13:13

Tgt Ion: 43 Resp: 464
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.4 29.2#





#27

cis-1,2-Dichloroethene

Concen: 2.224 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX038196.D

Acq: 10 Oct 2023 13:13

Instrument :

MSVOA_X

ClientSampleId :

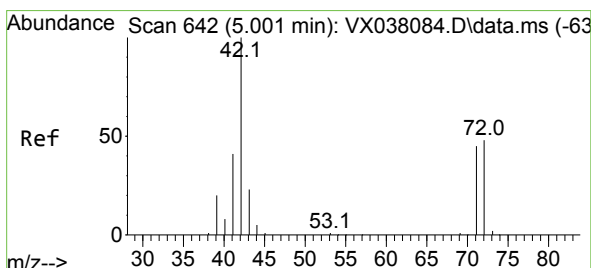
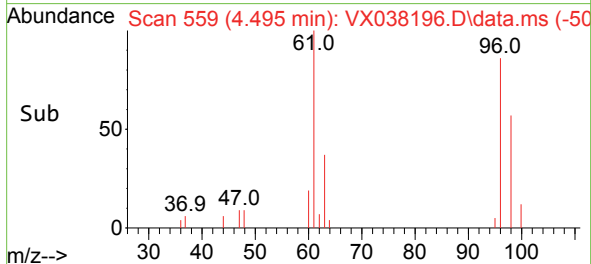
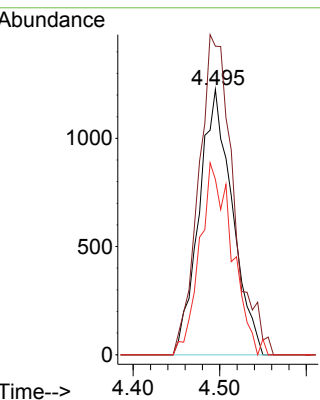
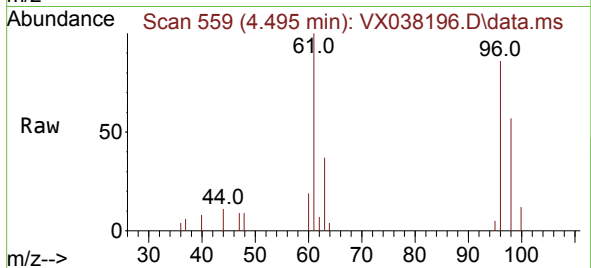
Tgt Ion: 96 Resp: 3264

Ion Ratio Lower Upper

96 100

61 125.9 0.0 312.2

98 70.9 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.270 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.037 min

Lab File: VX038196.D

Acq: 10 Oct 2023 13:13

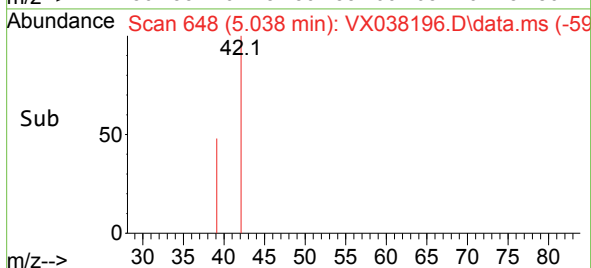
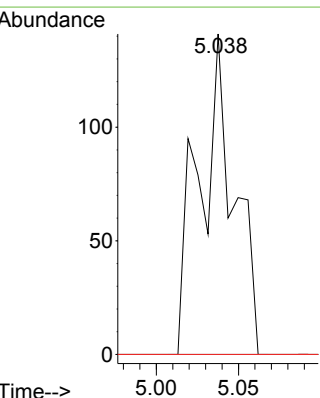
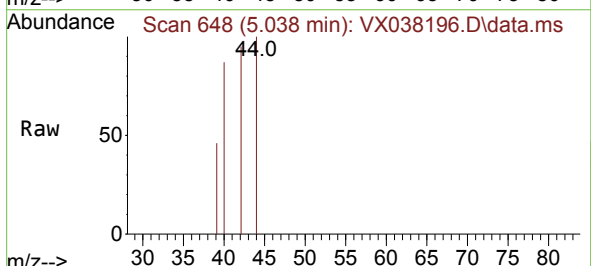
Tgt Ion: 42 Resp: 207

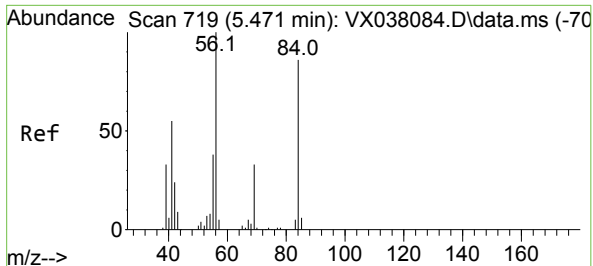
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

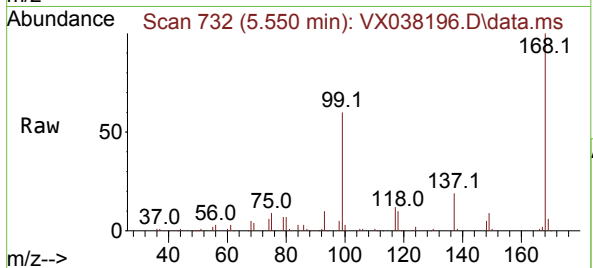
71 0.0 32.2 48.2#



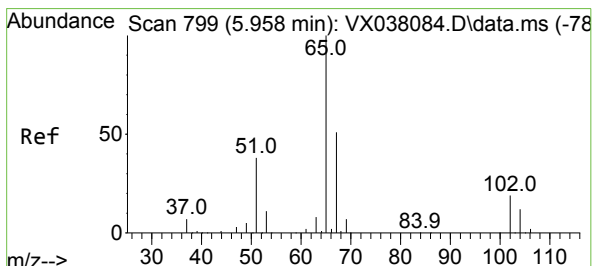
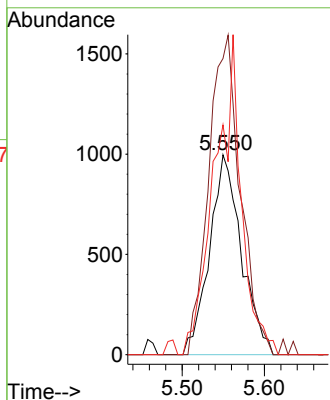
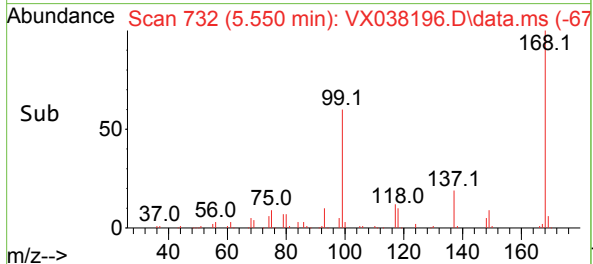


#31
Cyclohexane
Concen: 1.423 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Instrument :
MSVOA_X
ClientSampleId :

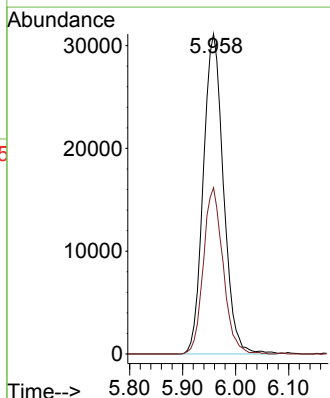
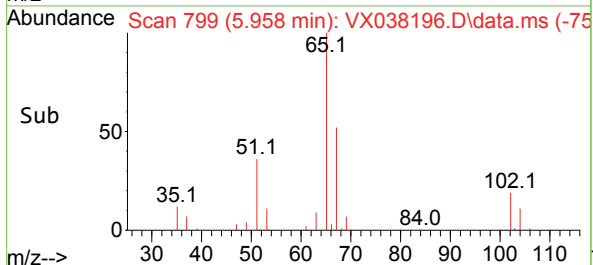
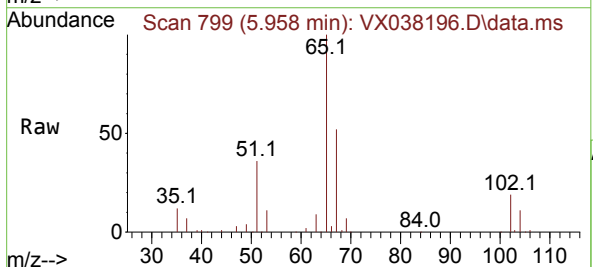


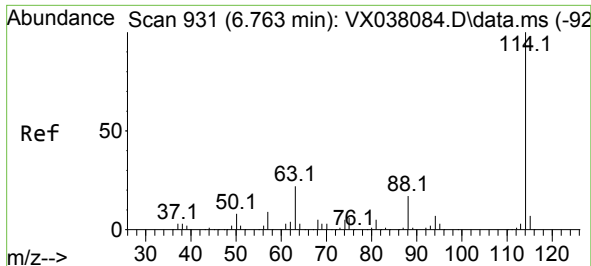
Tgt Ion: 56 Resp: 2697
Ion Ratio Lower Upper
56 100
69 148.1 23.4 35.2#
84 114.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.000 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Tgt Ion: 65 Resp: 82229
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

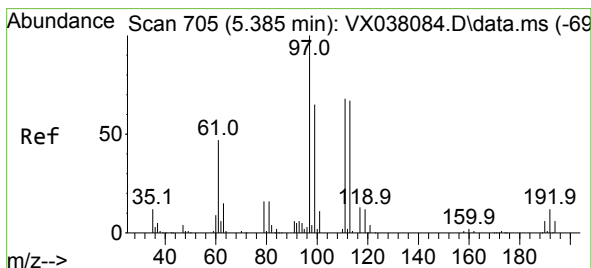
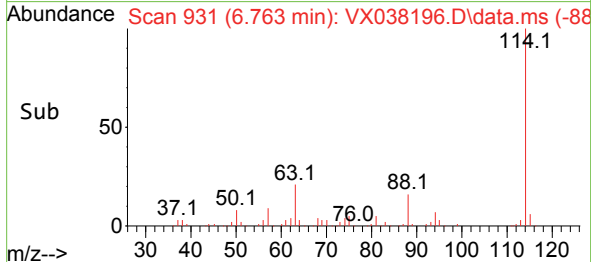
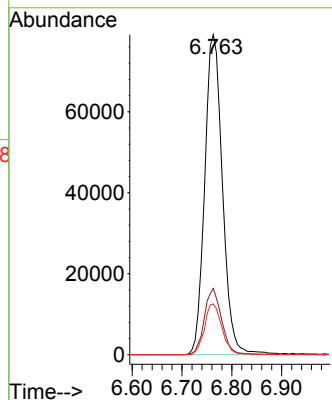
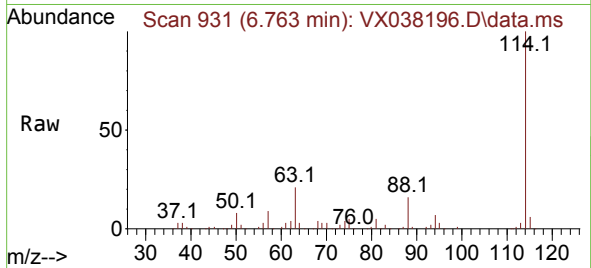




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

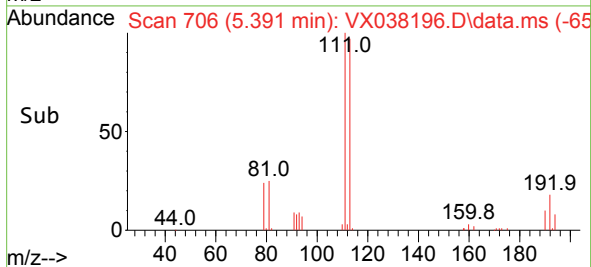
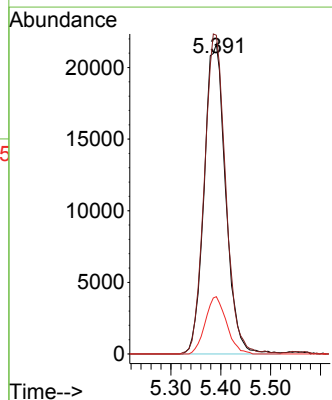
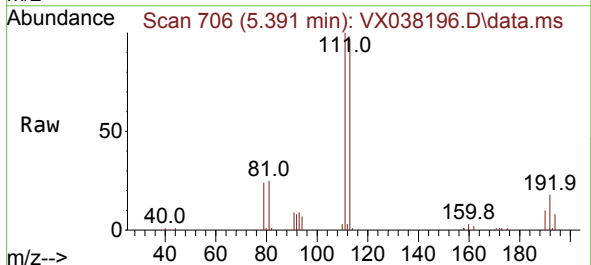
Instrument :
MSVOA_X
ClientSampleId :

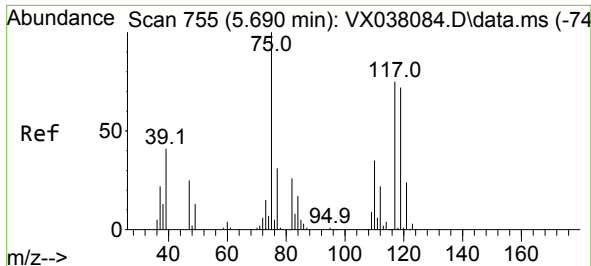
Tgt Ion:114 Resp: 195859
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 15.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.835 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

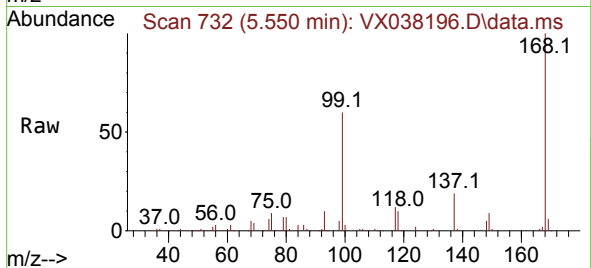
Tgt Ion:113 Resp: 64686
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.3 13.3 19.9



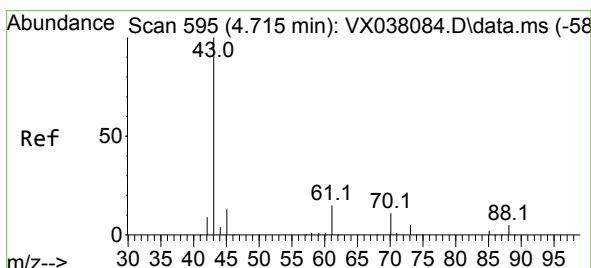
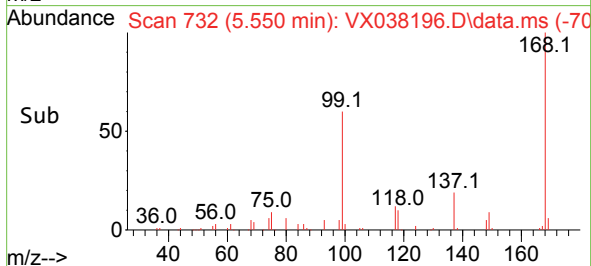
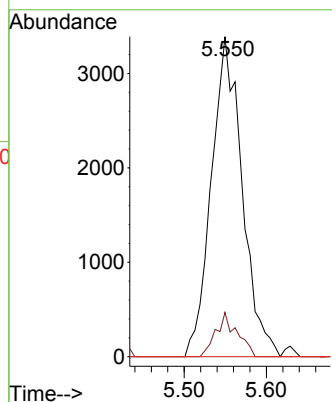


#36
1,1-Dichloropropene
Concen: 4.527 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Instrument :
MSVOA_X
ClientSampleId :

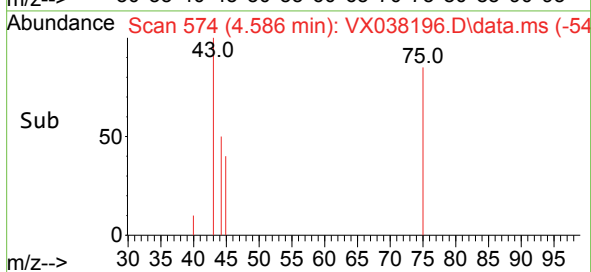
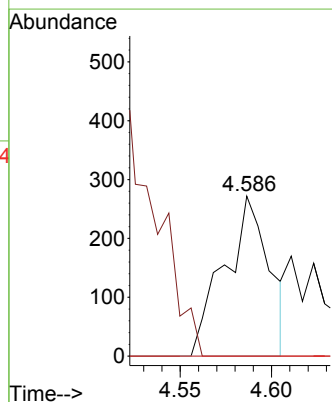
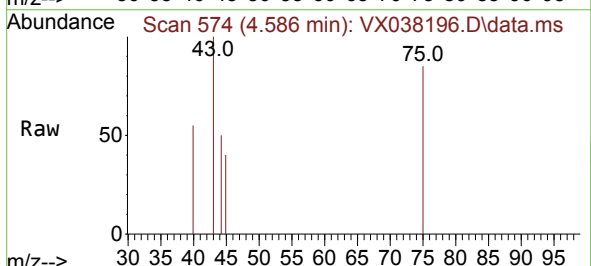


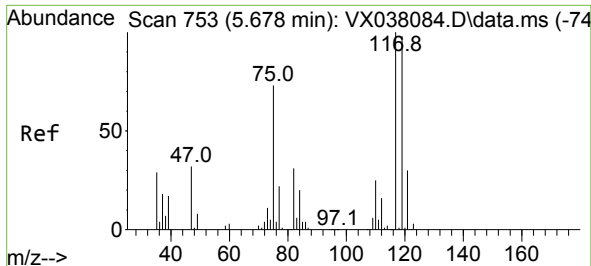
Tgt Ion: 75 Resp: 8810
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.201 ug/l
RT: 4.586 min Scan# 574
Delta R.T. -0.129 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

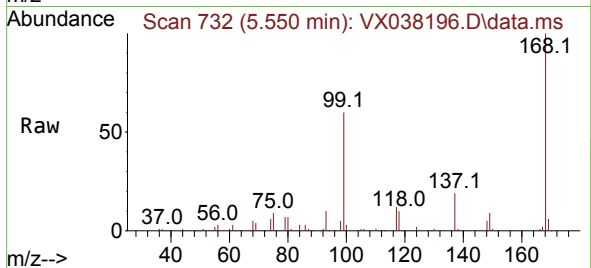
Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



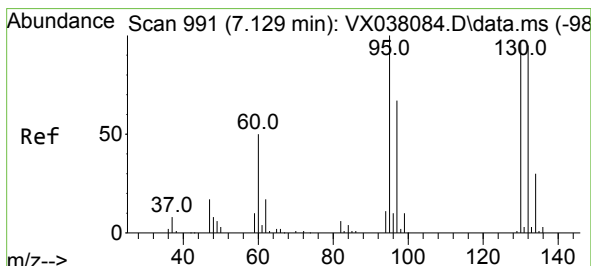
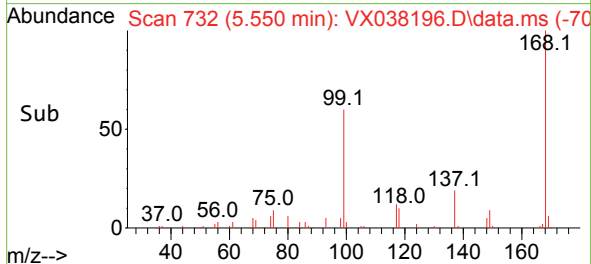
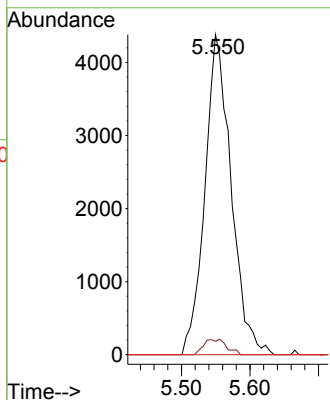


#38
Carbon Tetrachloride
Concen: 6.096 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Instrument :
MSVOA_X
ClientSampleId :

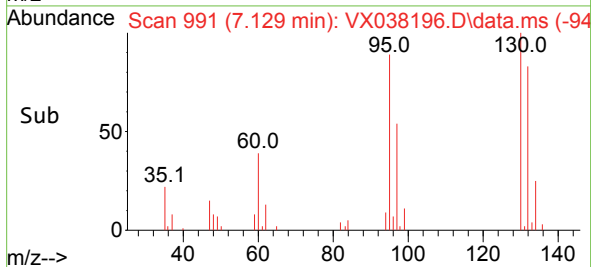
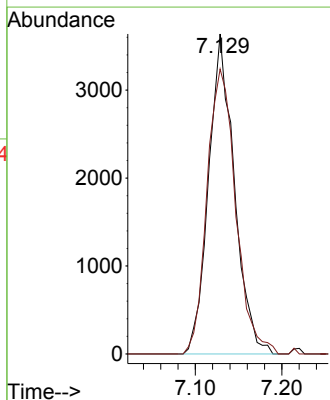
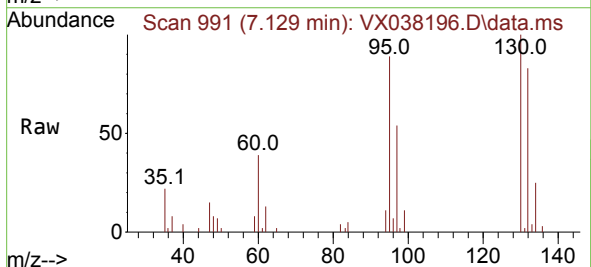


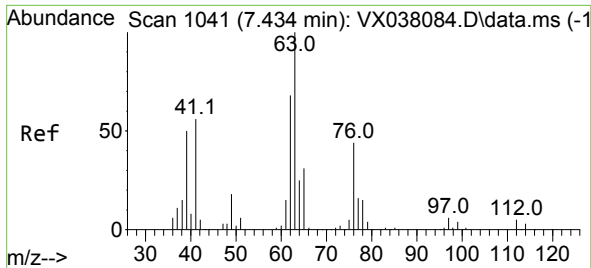
Tgt Ion:117 Resp: 11670
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 5.272 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Tgt Ion:130 Resp: 7505
Ion Ratio Lower Upper
130 100
95 89.1 0.0 204.4

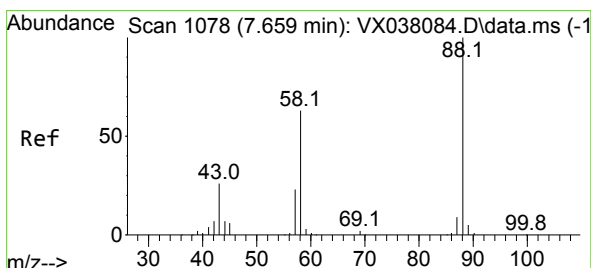
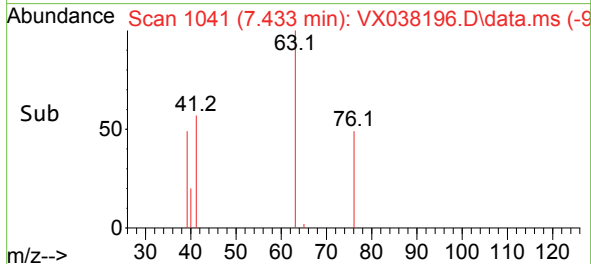
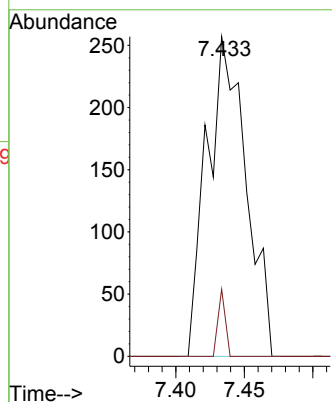
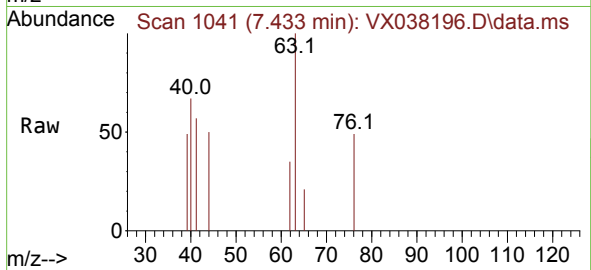




#45
1,2-Dichloropropane
Concen: 0.363 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. -0.001 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

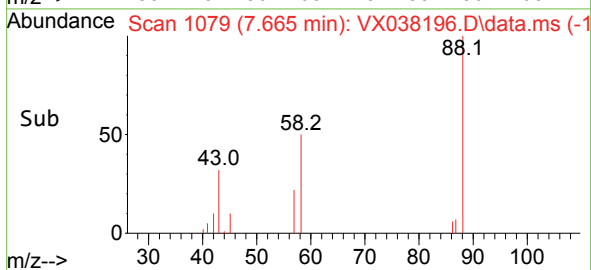
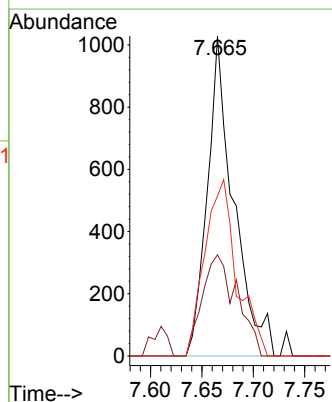
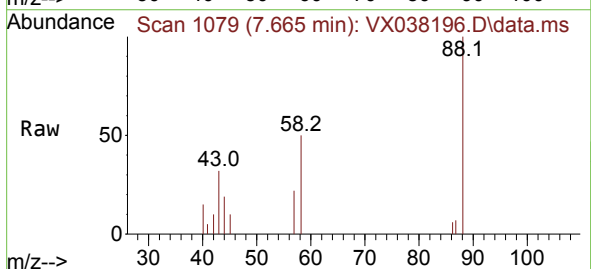
Instrument :
MSVOA_X
ClientSampleId :

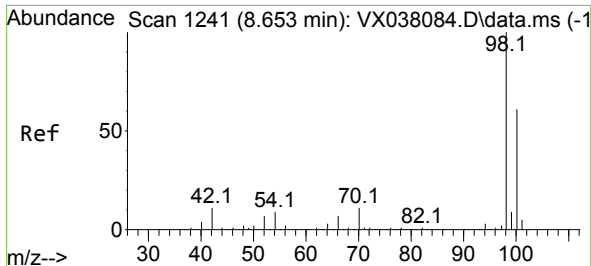
Tgt Ion: 63 Resp: 511
Ion Ratio Lower Upper
63 100
65 21.0 24.3 36.5#



#49
1,4-Dioxane
Concen: 45.061 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Tgt Ion: 88 Resp: 1829
Ion Ratio Lower Upper
88 100
43 41.9 0.0 0.0#
58 67.2 60.1 90.1

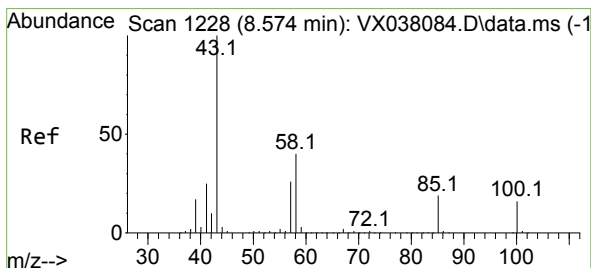
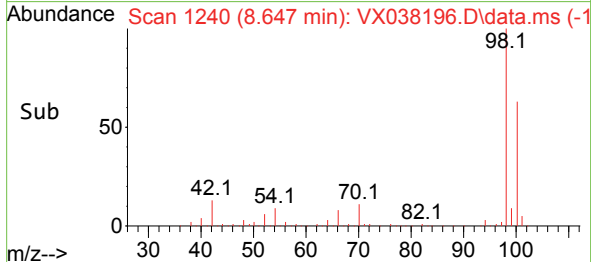
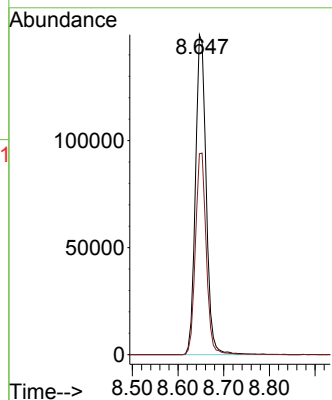
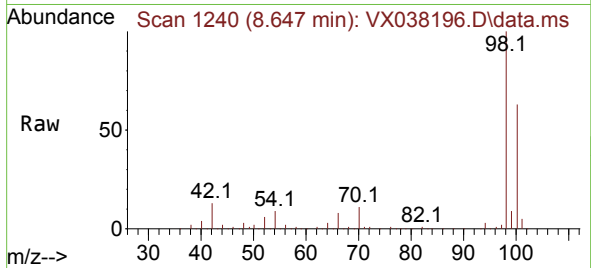




#50
Toluene-d8
Concen: 45.191 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

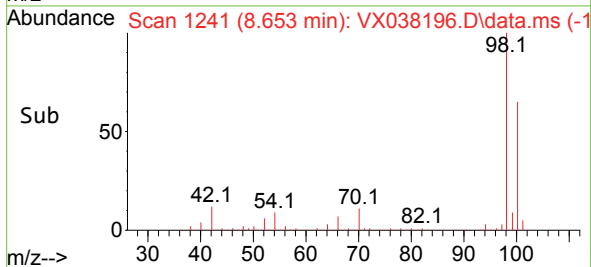
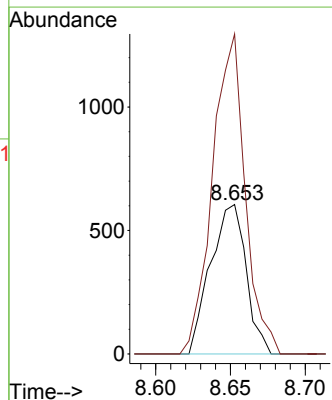
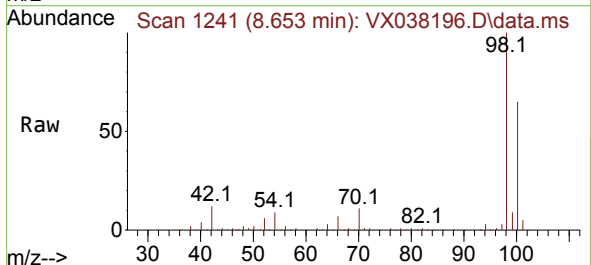
Instrument :
MSVOA_X
ClientSampleId :

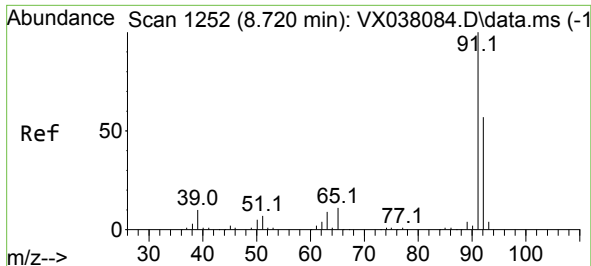
Tgt Ion: 98 Resp: 243707
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.421 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Tgt Ion: 43 Resp: 1001
Ion Ratio Lower Upper
43 100
58 196.5 30.4 45.6#

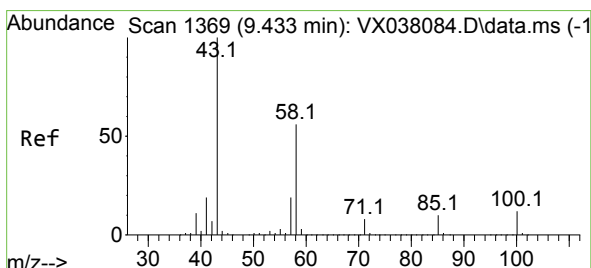
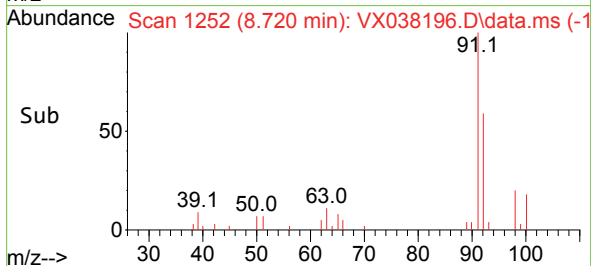
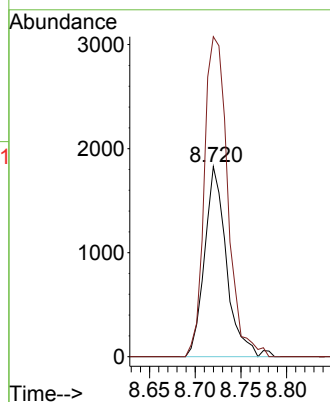
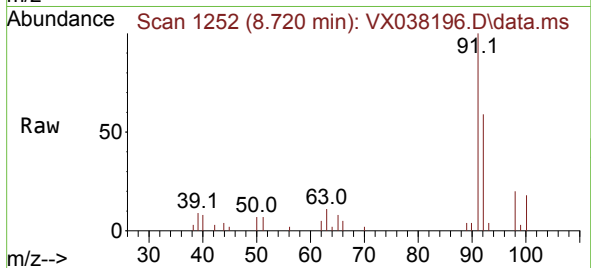




#52
Toluene
Concen: 0.863 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

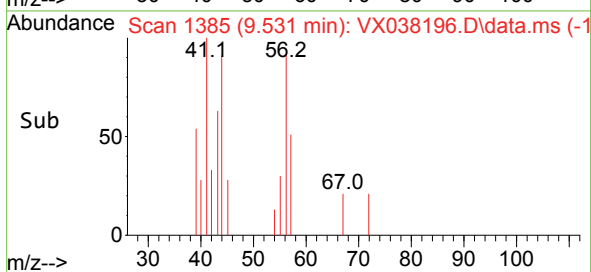
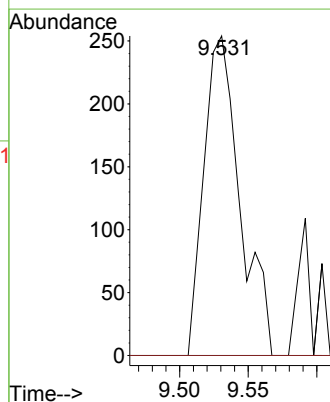
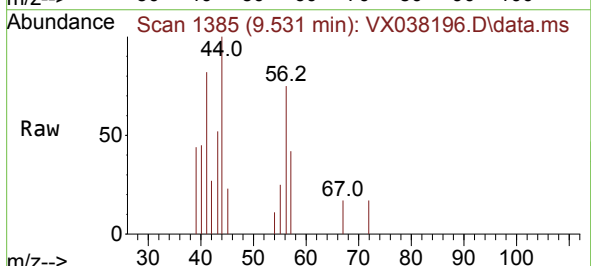
Instrument :
MSVOA_X
ClientSampleId :

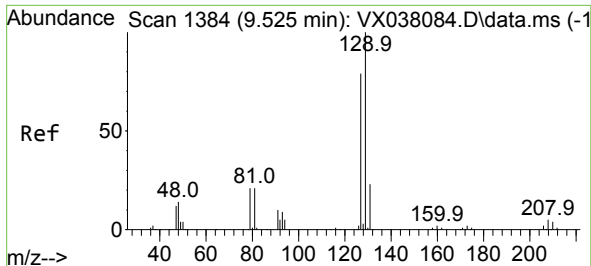
Tgt Ion: 92 Resp: 3059
Ion Ratio Lower Upper
92 100
91 179.4 134.2 201.2



#59
2-Hexanone
Concen: 0.244 ug/l
RT: 9.531 min Scan# 1385
Delta R.T. 0.098 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#

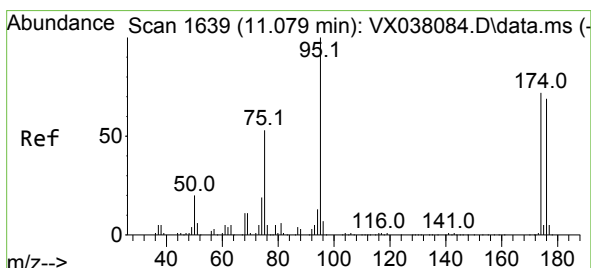
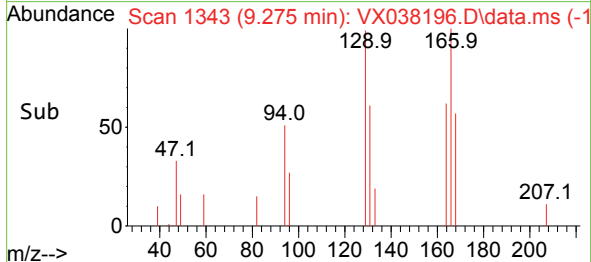
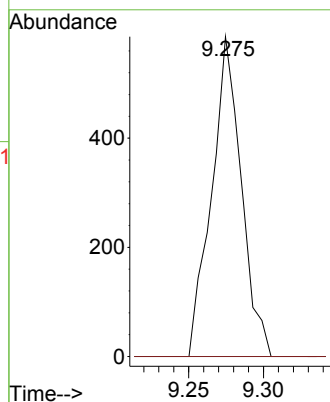
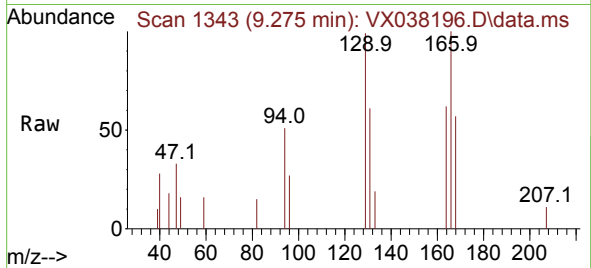




#60
Dibromochloromethane
Concen: 0.545 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

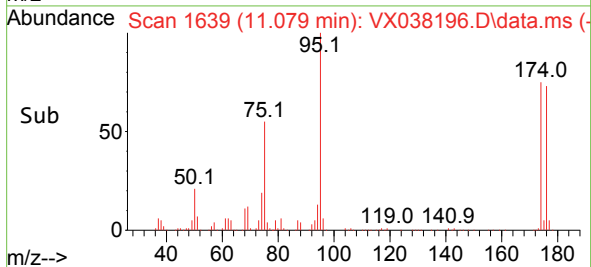
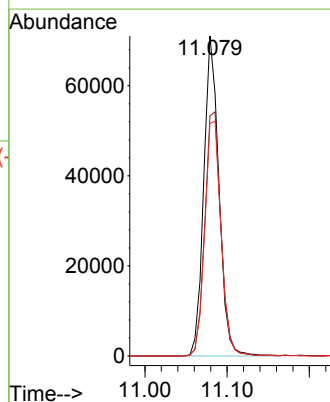
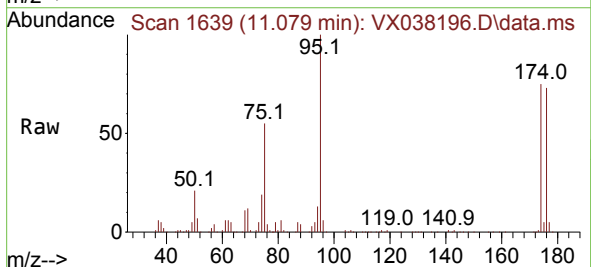
Instrument :
MSVOA_X
ClientSampleId :

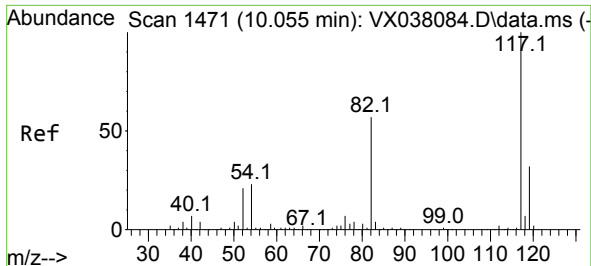
Tgt Ion:129 Resp: 809
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 44.485 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

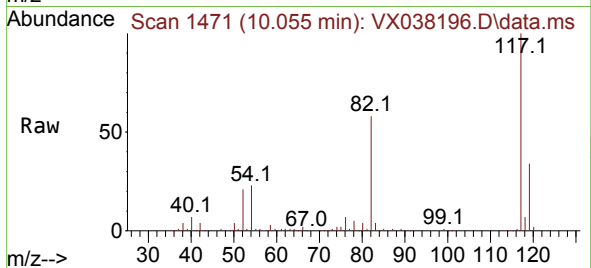
Tgt Ion: 95 Resp: 90950
Ion Ratio Lower Upper
95 100
174 81.2 0.0 135.6
176 79.0 0.0 131.0



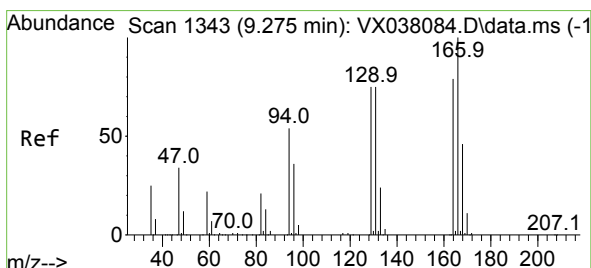
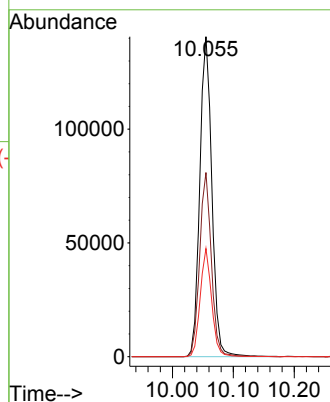
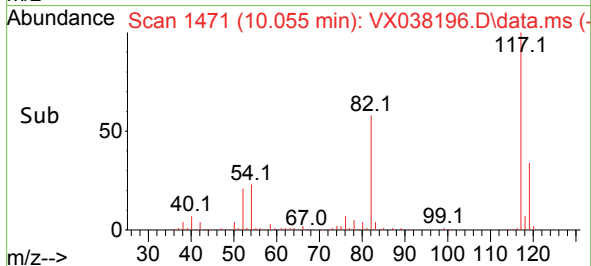


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Instrument :
MSVOA_X
ClientSampleId :

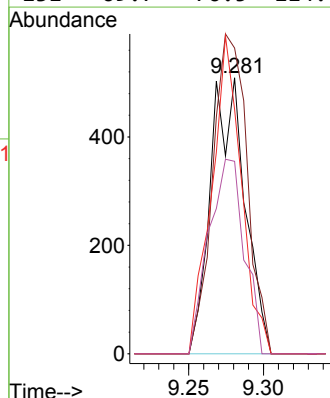
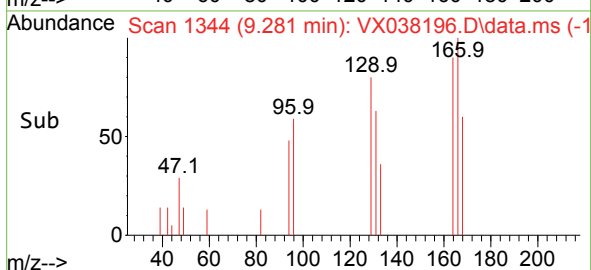
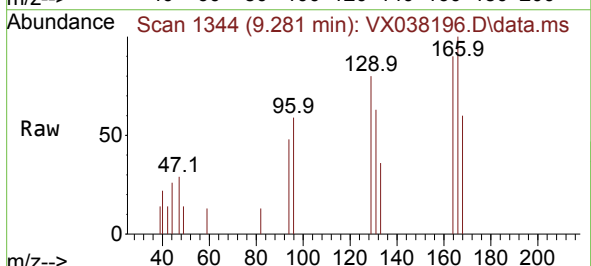


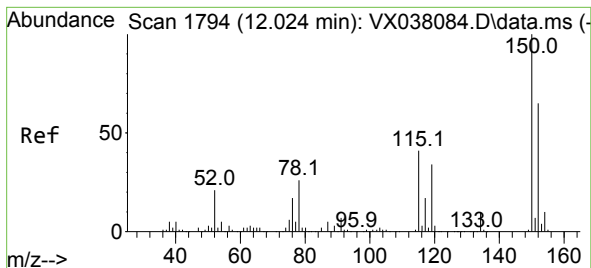
Tgt Ion:117 Resp: 193424
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.4
119 33.8 25.5 38.3



#64
Tetrachloroethene
Concen: 0.650 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX038196.D
Acq: 10 Oct 2023 13:13

Tgt Ion:164 Resp: 814
Ion Ratio Lower Upper
164 100
166 110.8 102.7 154.1
129 88.6 80.4 120.6
131 69.7 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038196.D

Acq: 10 Oct 2023 13:13

Instrument :

MSVOA_X

ClientSampleId :

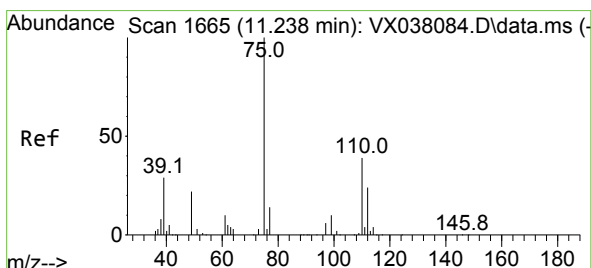
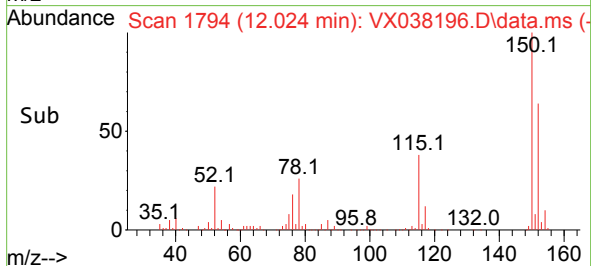
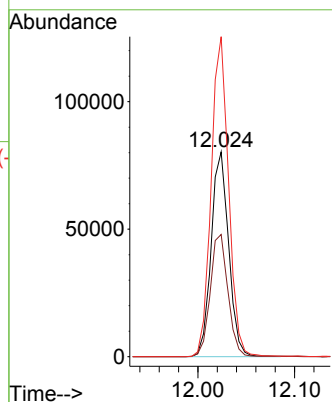
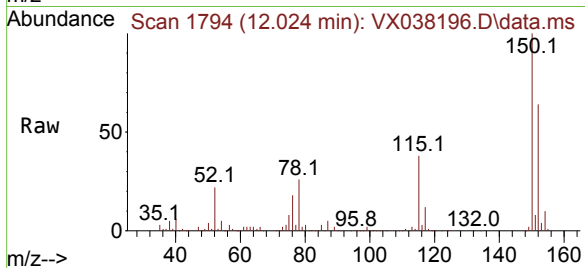
Tgt Ion:152 Resp: 101036

Ion Ratio Lower Upper

152 100

115 60.6 43.3 129.9

150 155.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.144 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038196.D

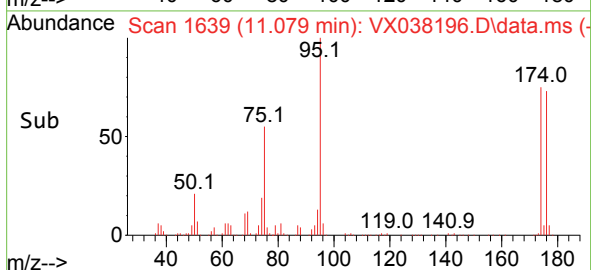
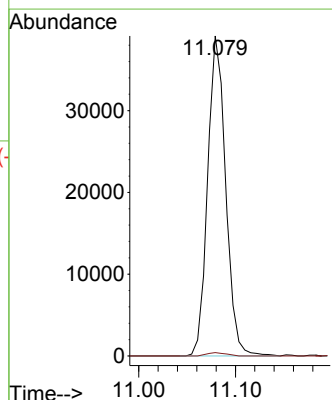
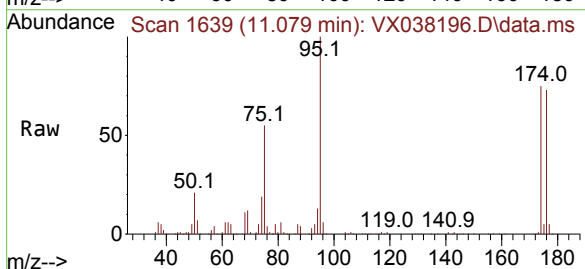
Acq: 10 Oct 2023 13:13

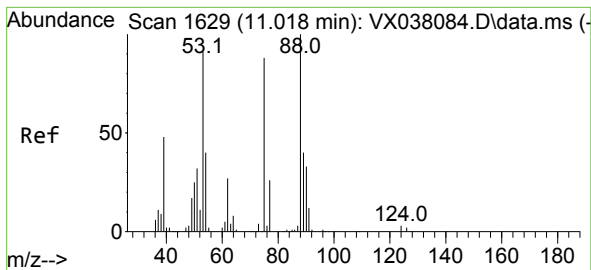
Tgt Ion: 75 Resp: 50864

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.478 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038196.D
 Acq: 10 Oct 2023 13:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 50864
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

