

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102423\
 Data File : VX038458.D
 Acq On : 24 Oct 2023 16:18
 Operator : JC/MD
 Sample : 05022-01
 Misc : 1.13g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 25 06:09:58 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	158567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	274841	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	276786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158135	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99688	39.086	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	78.180%
35) Dibromofluoromethane	5.391	113	82169	41.491	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	82.980%
50) Toluene-d8	8.647	98	335016	44.270	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.540%#
62) 4-Bromofluorobenzene	11.085	95	133114	46.398	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.800%

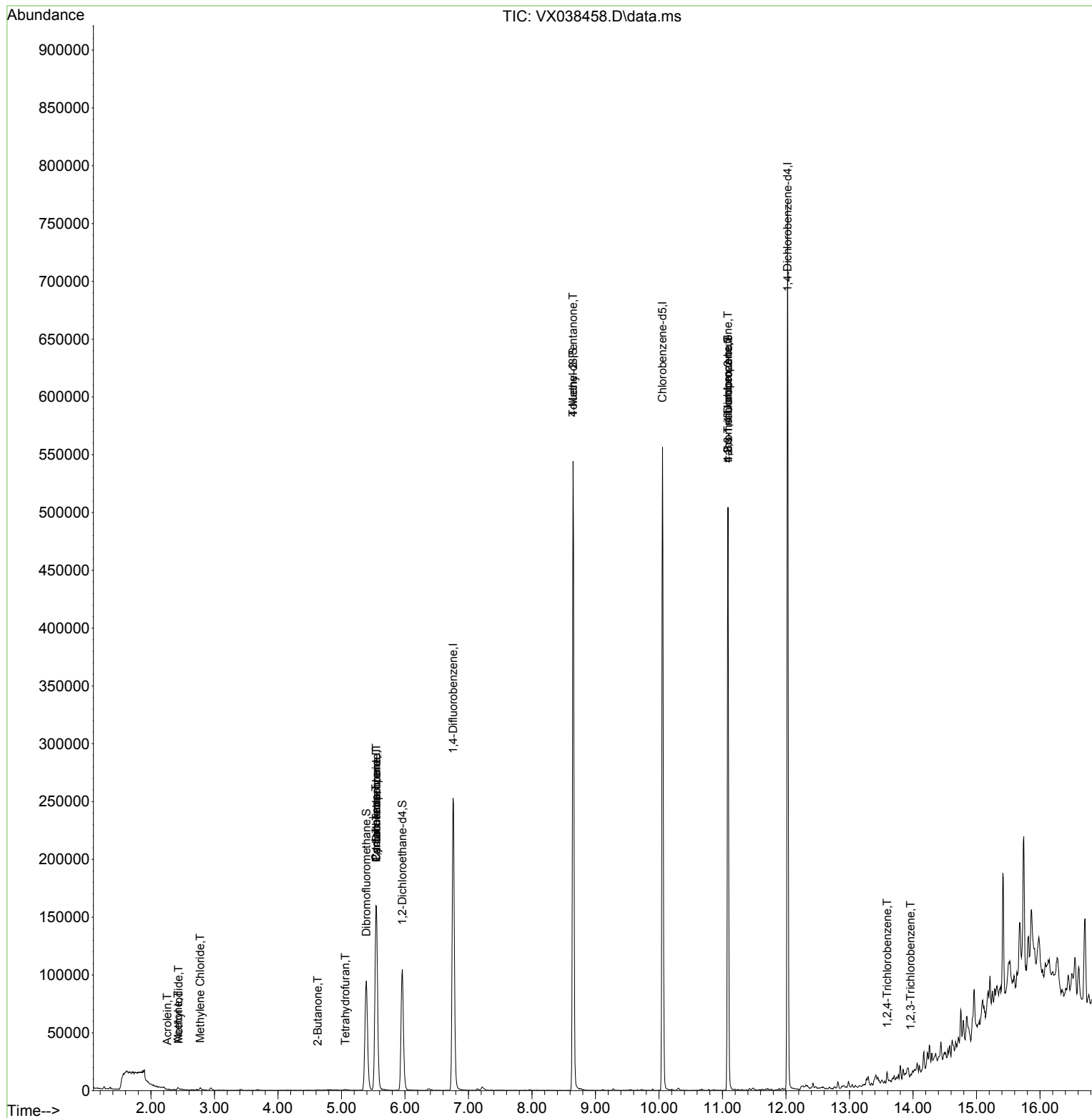
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.599	94	729	Below Cal		94
6) Chloroethane	1.673	64	36	Below Cal	#	43
10) Methyl Iodide	2.435	142	1193	0.556	ug/l #	93
11) Tert butyl alcohol	2.941	59	1041	Below Cal	#	78
13) Acrolein	2.258	56	94	0.259	ug/l #	77
16) Acetone	2.428	43	1723	1.619	ug/l #	75
20) Methylene Chloride	2.776	84	1005	0.502	ug/l #	66
25) 2-Butanone	4.623	43	543	0.316	ug/l #	51
29) Tetrahydrofuran	5.062	42	551	0.493	ug/l #	52
31) Cyclohexane	5.544	56	3176	1.149	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	12301	4.504	ug/l #	50
38) Carbon Tetrachloride	5.550	117	15942	5.934	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1305	0.391	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	68297	18.998	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	68297	55.031	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	2235	0.667	ug/l	85
96) 1,2,3-Trichlorobenzene	13.963	180	781	0.241	ug/l	79

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

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Quant Time: Oct 25 06:09:58 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

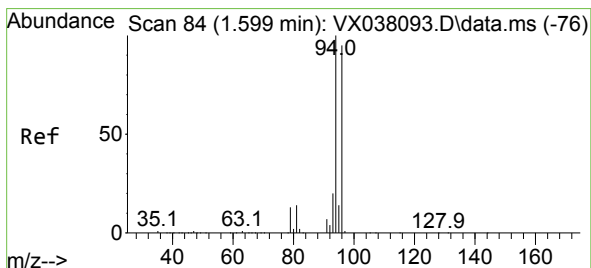
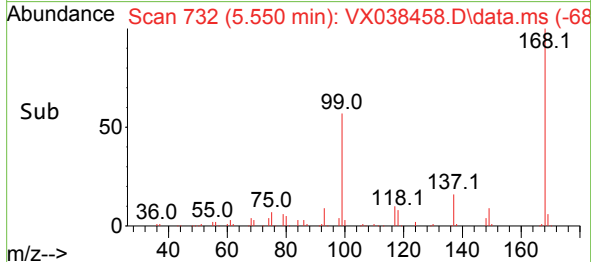
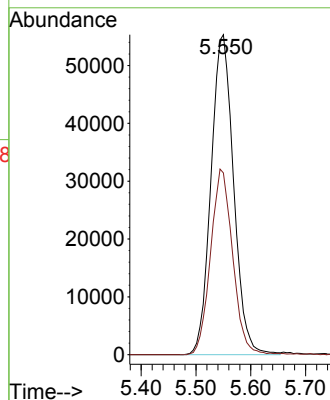
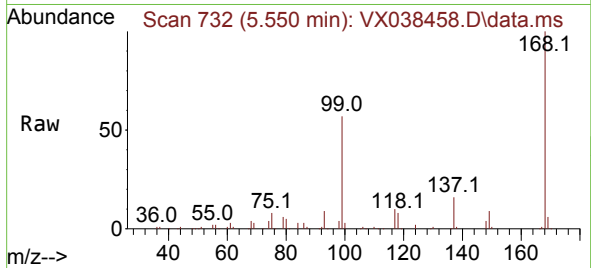




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

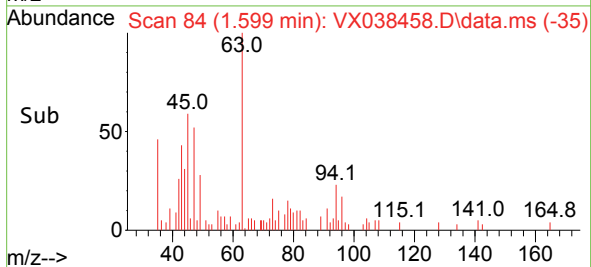
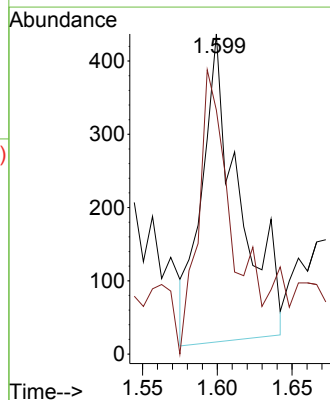
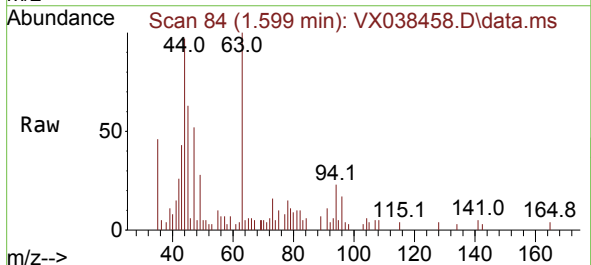
Instrument :
MSVOA_X
ClientSampleId :

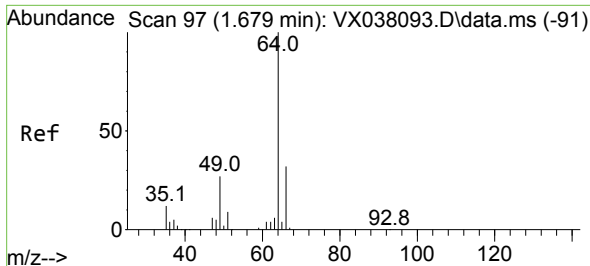
Tgt Ion:168 Resp: 158567
Ion Ratio Lower Upper
168 100
99 56.8 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

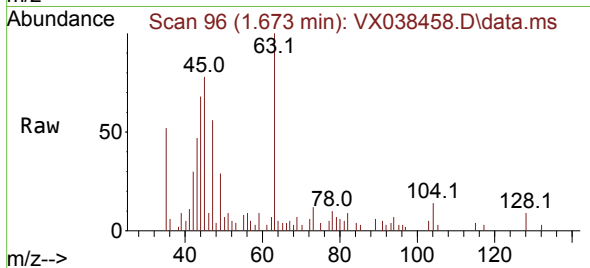
Tgt Ion: 94 Resp: 729
Ion Ratio Lower Upper
94 100
96 87.9 74.6 111.8



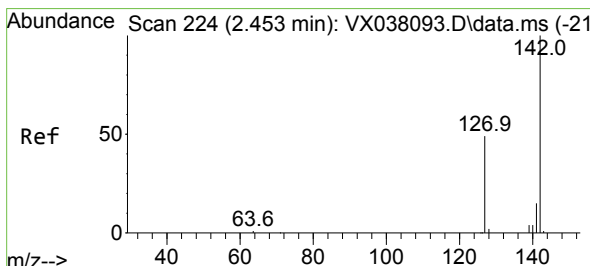
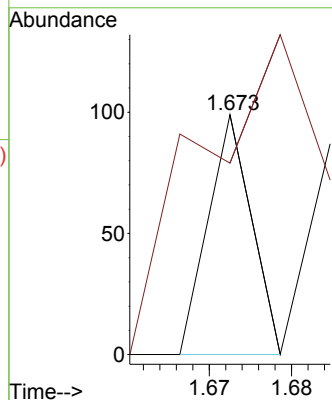
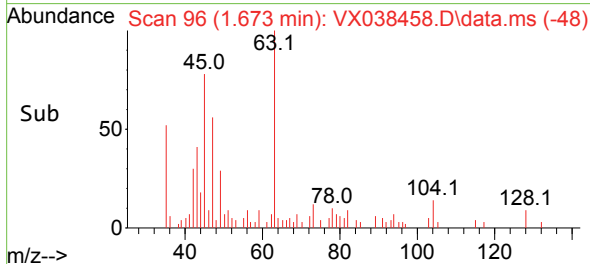


#6
Chloroethane
Concen: Below Cal
RT: 1.673 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

Instrument :
MSVOA_X
ClientSampleId :

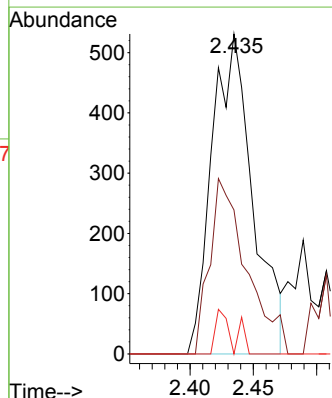
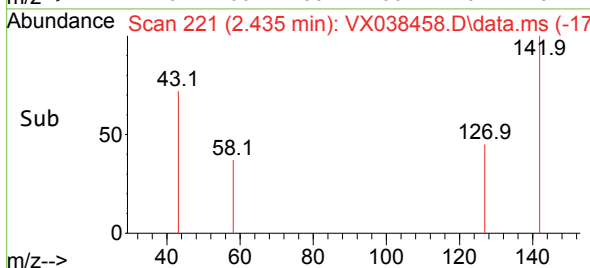
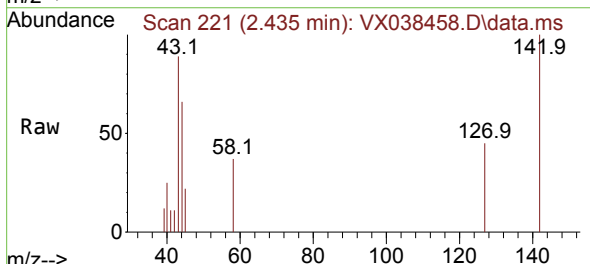


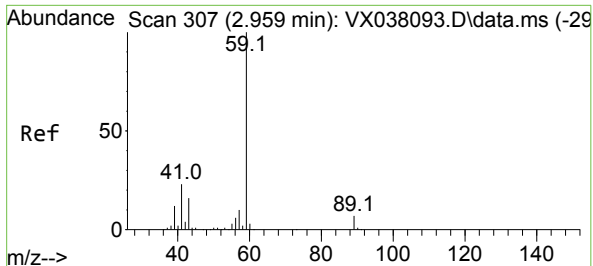
Tgt Ion: 64 Resp: 36
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#10
Methyl Iodide
Concen: 0.556 ug/l
RT: 2.435 min Scan# 221
Delta R.T. -0.018 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

Tgt Ion: 142 Resp: 1193
Ion Ratio Lower Upper
142 100
127 49.7 41.6 62.4
141 6.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 30

Delta R.T. -0.018 min

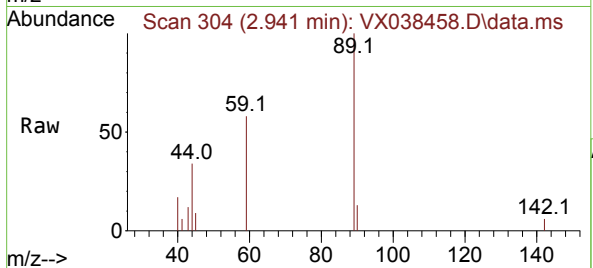
Lab File: VX038458.D

Acq: 24 Oct 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

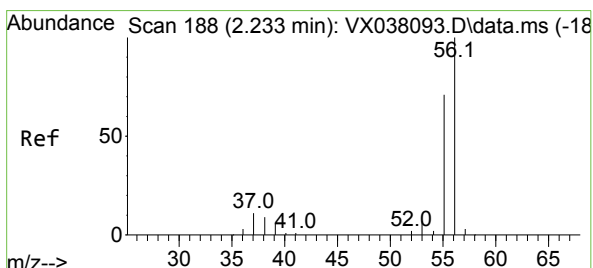
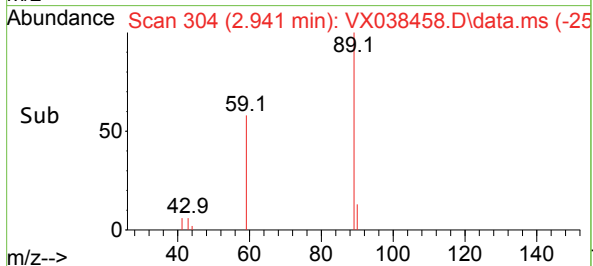
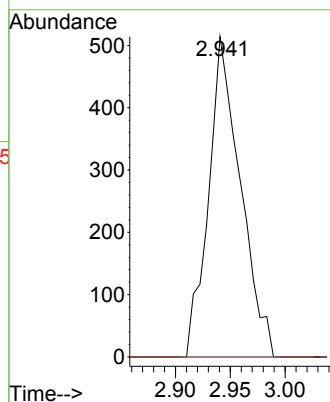


Tgt Ion: 59 Resp: 1041

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.259 ug/l

RT: 2.258 min Scan# 192

Delta R.T. 0.025 min

Lab File: VX038458.D

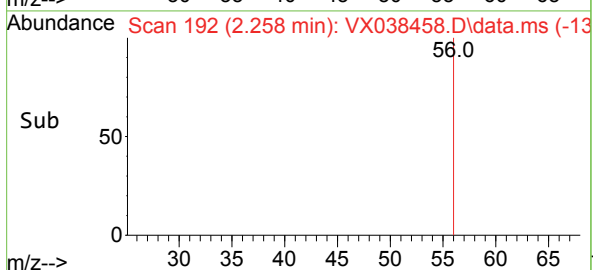
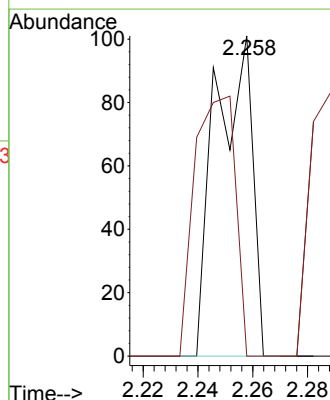
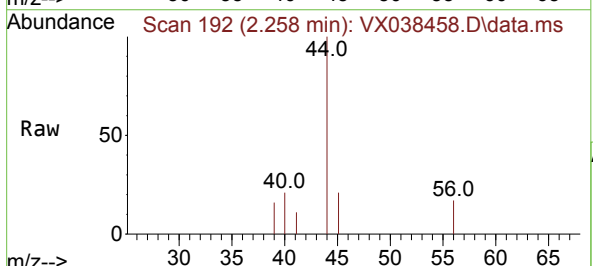
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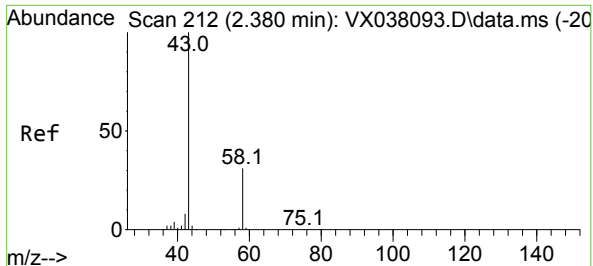
Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

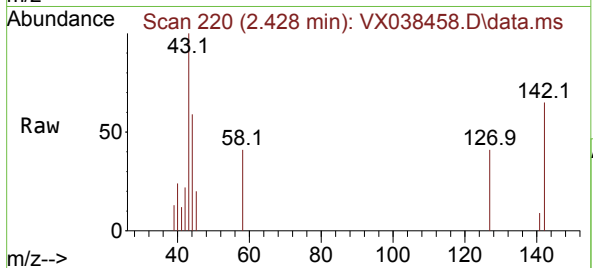
55 90.4 57.1 85.7#



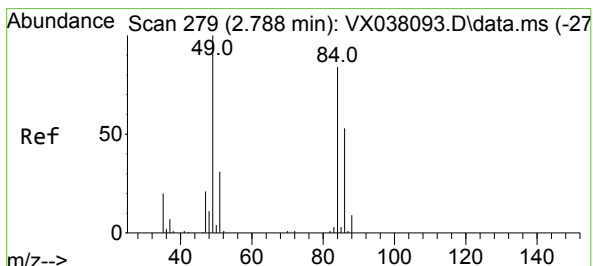
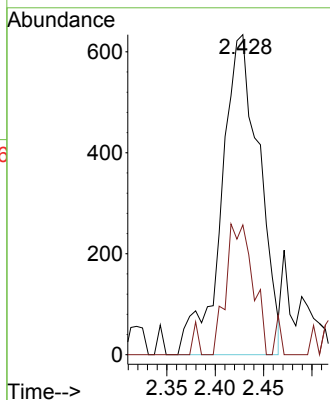
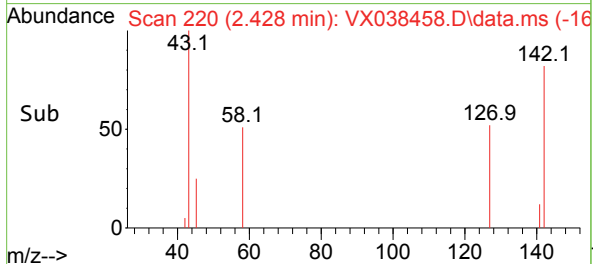


#16
Acetone
Concen: 1.619 ug/l
RT: 2.428 min Scan# 212
Delta R.T. 0.048 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

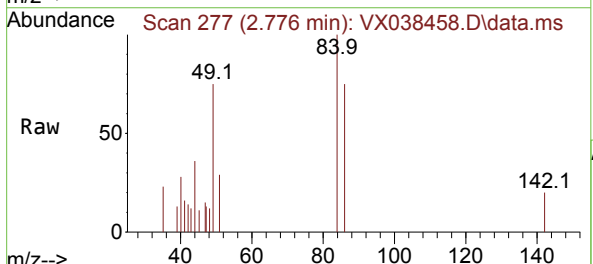
Instrument :
MSVOA_X
ClientSampleId :



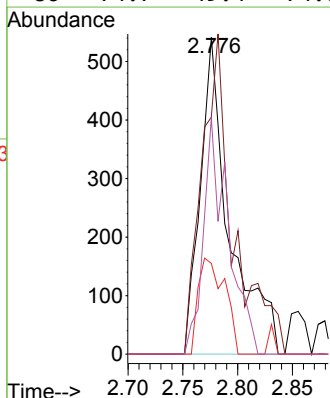
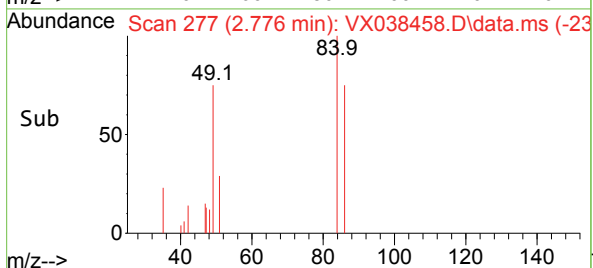
Tgt Ion: 43 Resp: 1723
Ion Ratio Lower Upper
43 100
58 40.5 21.9 32.9#

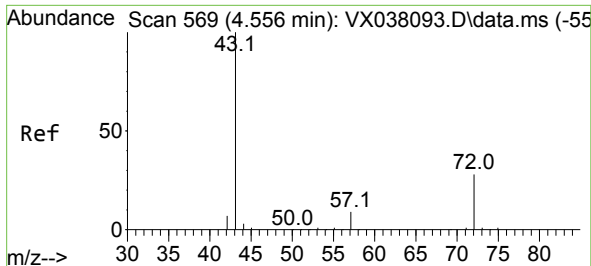


#20
Methylene Chloride
Concen: 0.502 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.012 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18



Tgt Ion: 84 Resp: 1005
Ion Ratio Lower Upper
84 100
49 74.9 103.6 155.4#
51 28.7 33.8 50.6#
86 74.7 49.4 74.0#

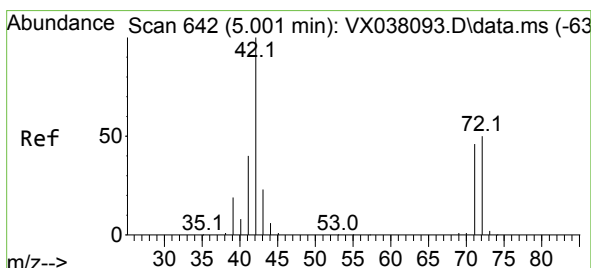
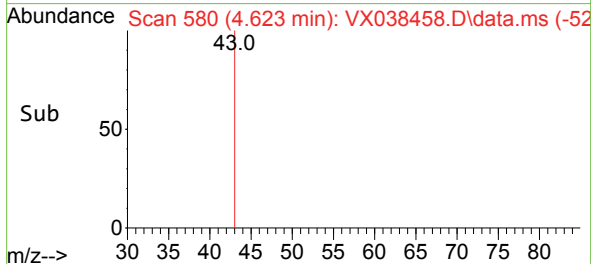
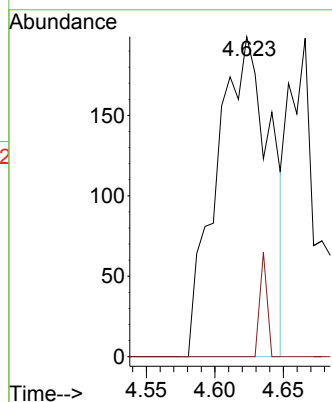
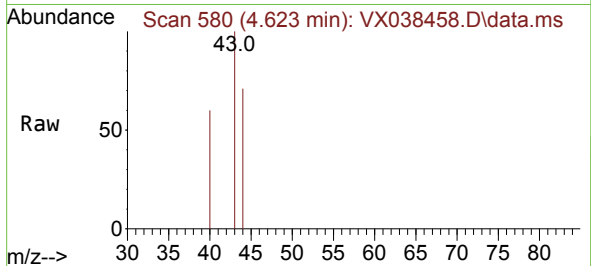




#25
2-Butanone
Concen: 0.316 ug/l
RT: 4.623 min Scan# 51
Delta R.T. 0.067 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

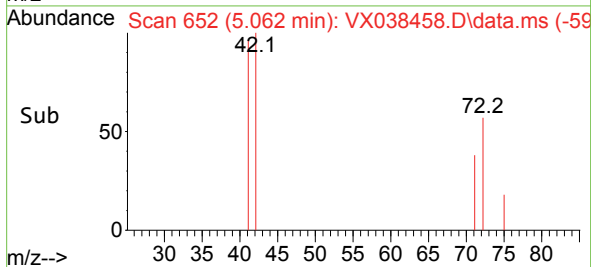
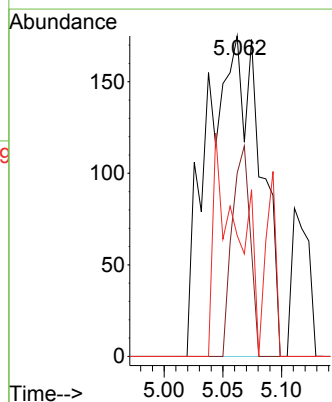
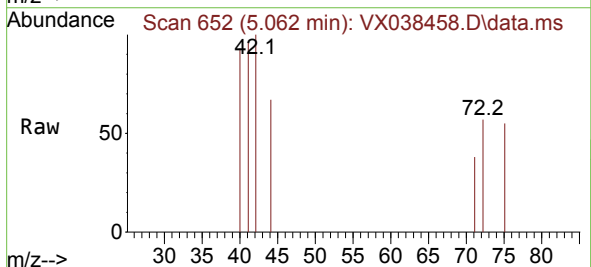
Instrument :
MSVOA_X
ClientSampleId :

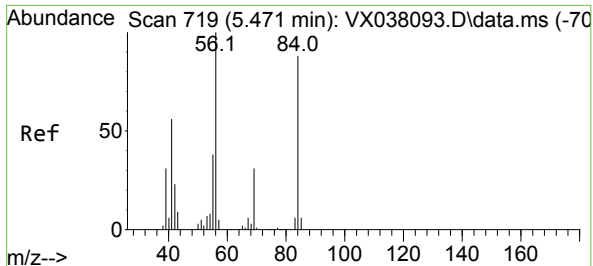
Tgt Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.493 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.061 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

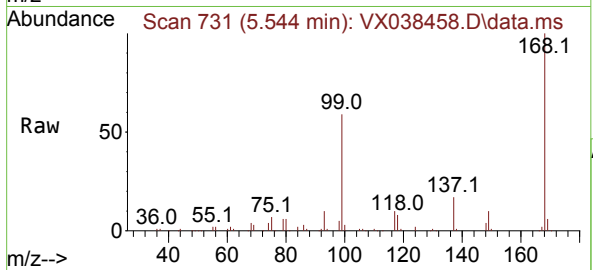
Tgt Ion: 42 Resp: 551
Ion Ratio Lower Upper
42 100
72 22.3 34.2 51.4#
71 0.0 32.2 48.2#



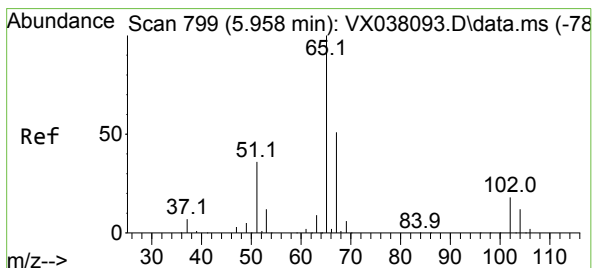
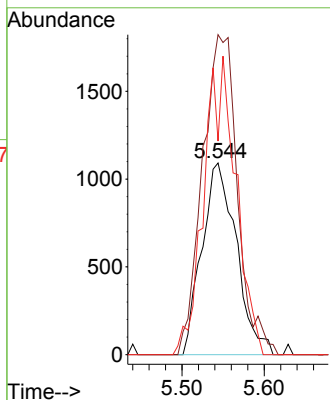
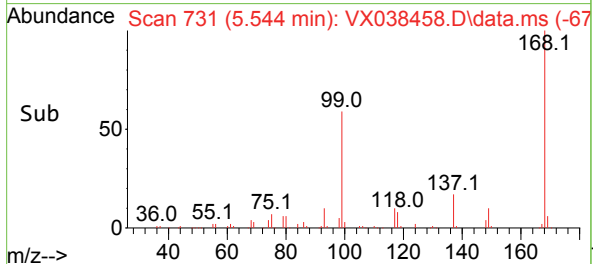


#31
Cyclohexane
Concen: 1.149 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

Instrument :
MSVOA_X
ClientSampleId :

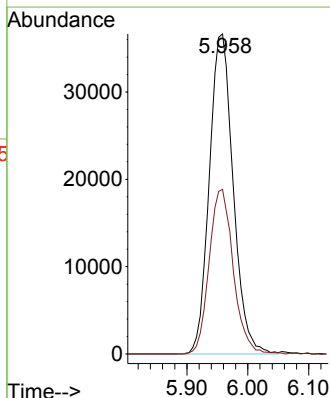
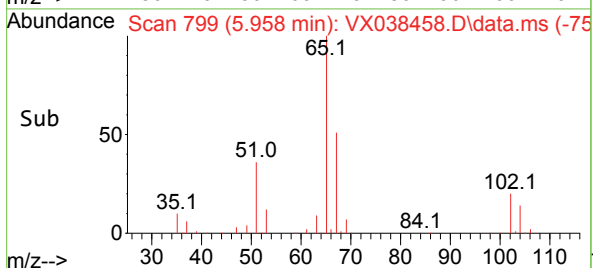
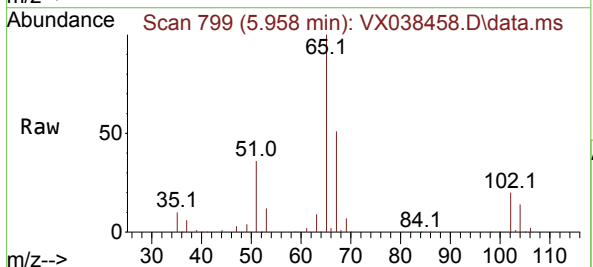


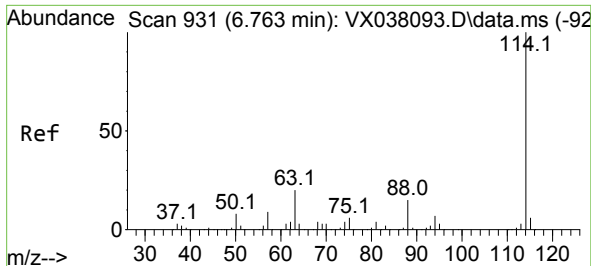
Tgt Ion: 56 Resp: 3176
Ion Ratio Lower Upper
56 100
69 166.9 23.4 35.2#
84 111.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 39.086 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

Tgt Ion: 65 Resp: 99688
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

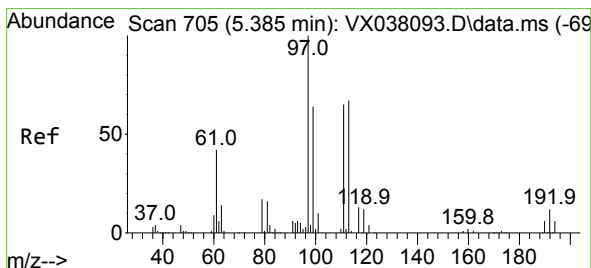
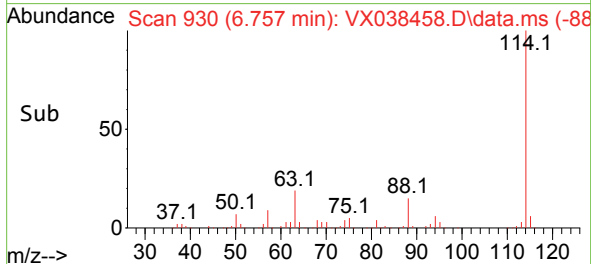
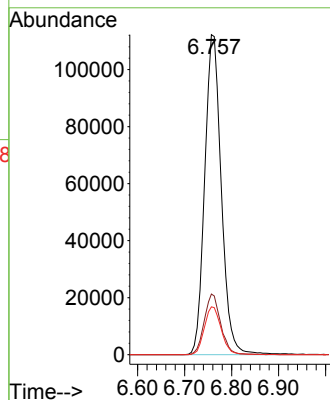
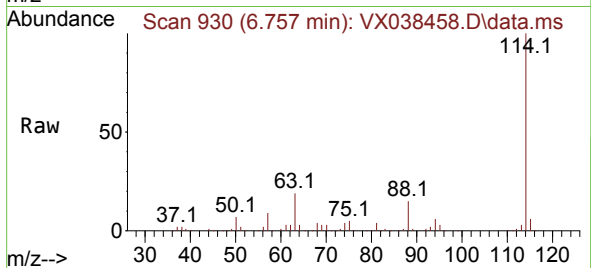




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

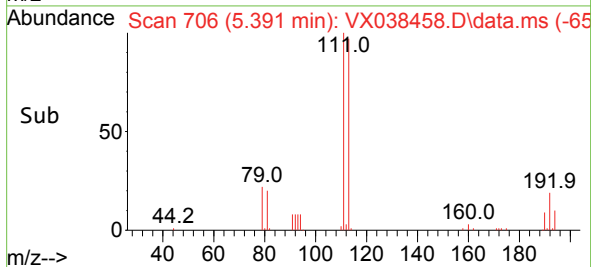
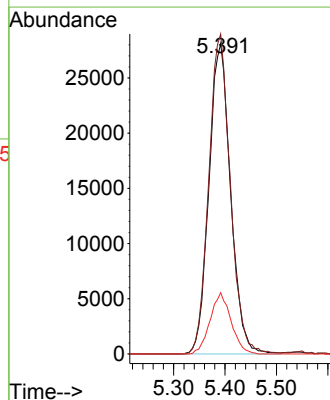
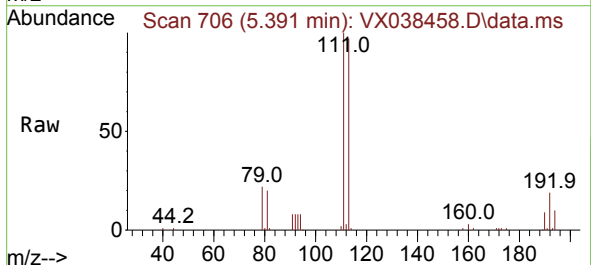
Instrument :
MSVOA_X
ClientSampleId :

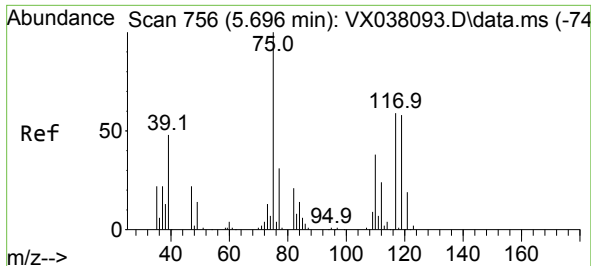
Tgt Ion:114 Resp: 274841
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 41.491 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

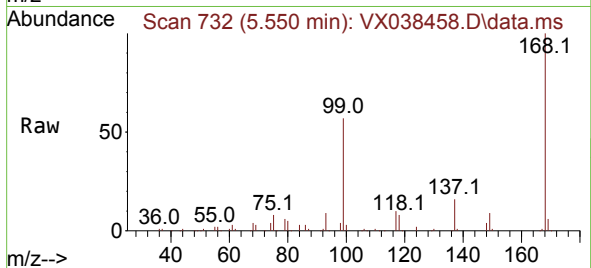
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Ion Ratio Lower Upper
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111 102.9 82.9 124.3
192 19.2 13.3 19.9



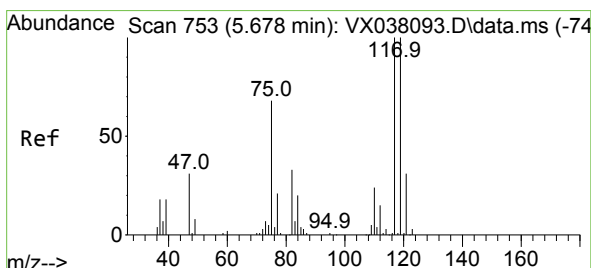
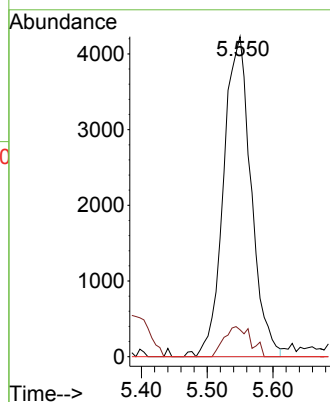
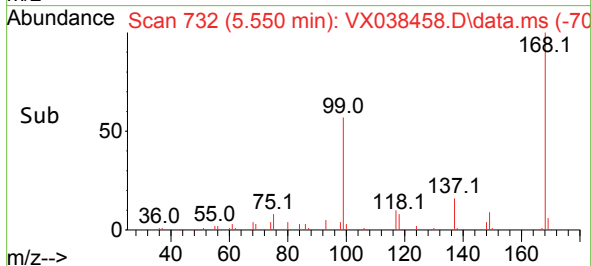


#36
1,1-Dichloropropene
Concen: 4.504 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

Instrument :
MSVOA_X
ClientSampleId :

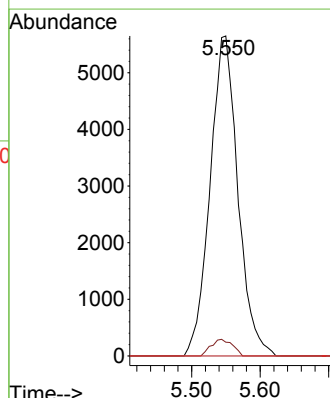
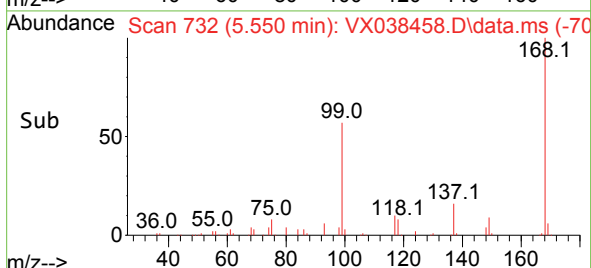
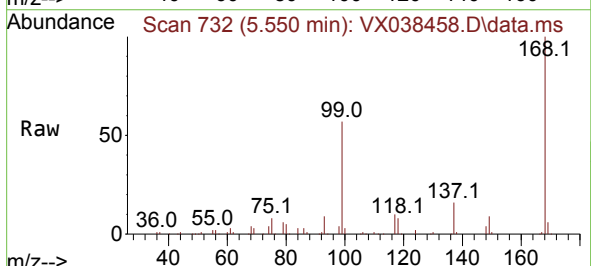


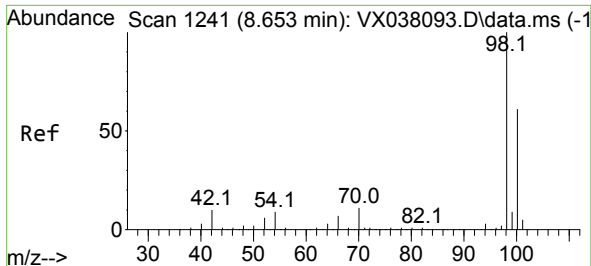
Tgt Ion: 75 Resp: 12301
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.934 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

Tgt Ion: 117 Resp: 15942
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 44.270 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX038458.D

Acq: 24 Oct 2023 16:18

Instrument :

MSVOA_X

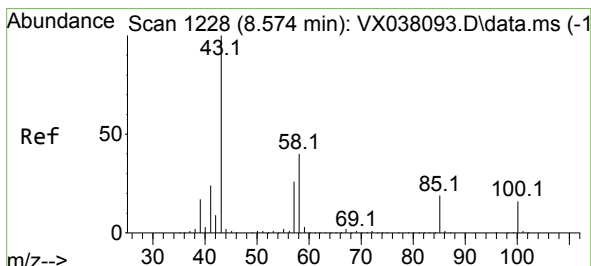
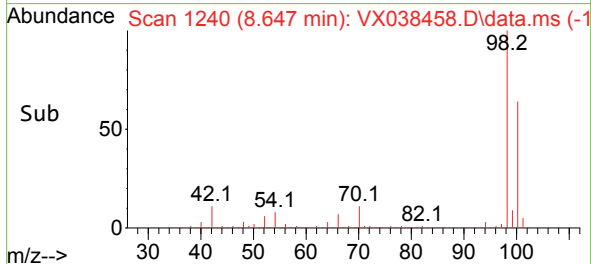
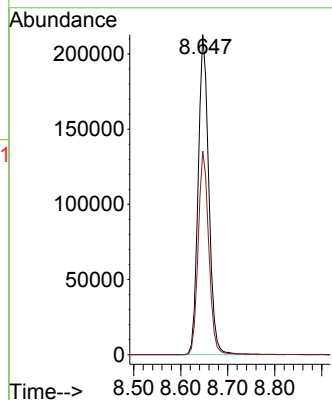
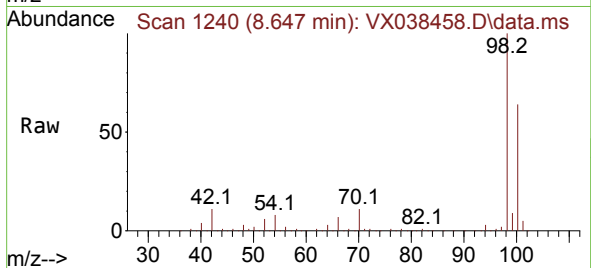
ClientSampleId :

Tgt Ion: 98 Resp: 335016

Ion Ratio Lower Upper

98 100

100 63.5 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.391 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX038458.D

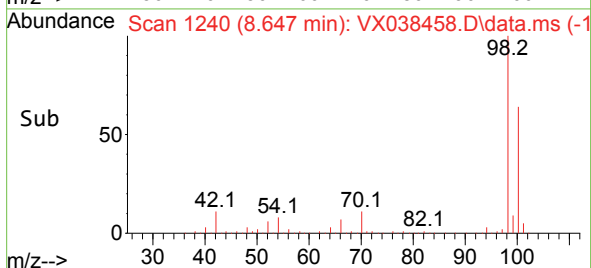
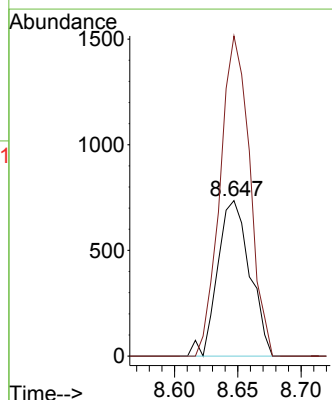
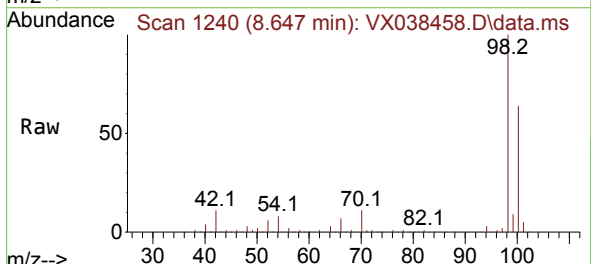
Acq: 24 Oct 2023 16:18

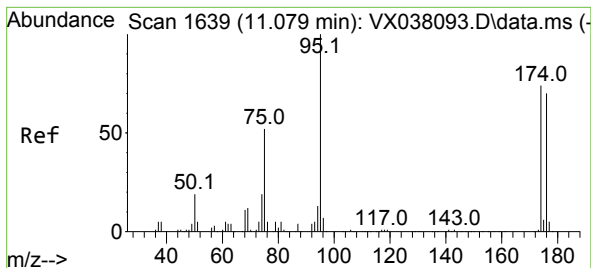
Tgt Ion: 43 Resp: 1305

Ion Ratio Lower Upper

43 100

58 189.0 30.4 45.6#

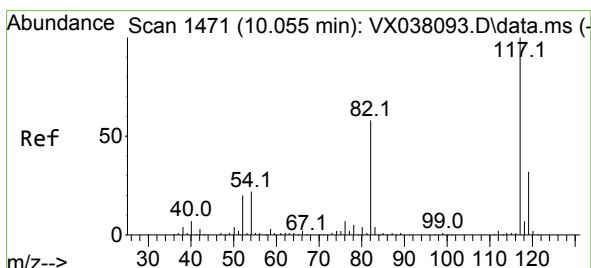
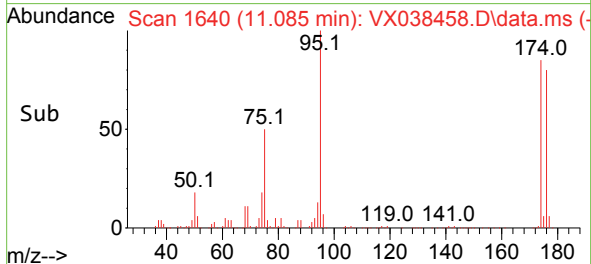
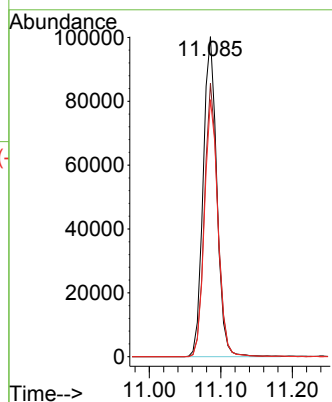
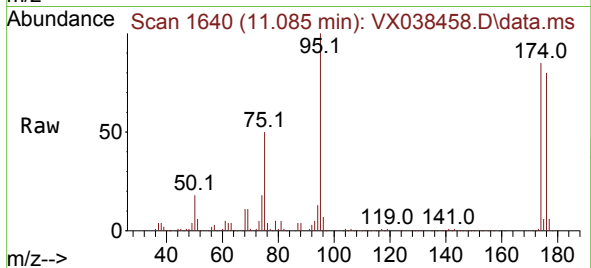




#62
4-Bromofluorobenzene
Concen: 46.398 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

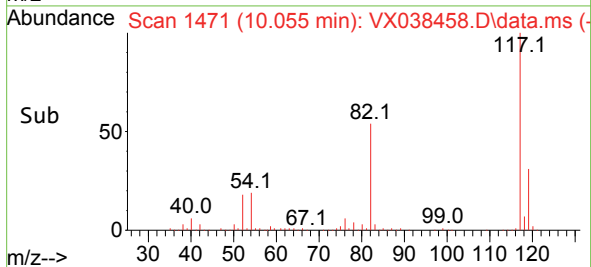
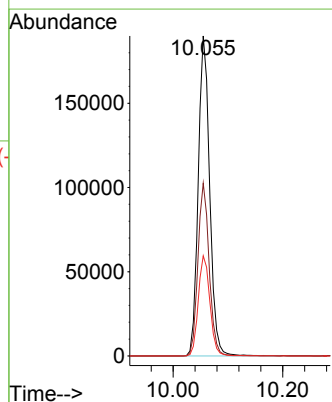
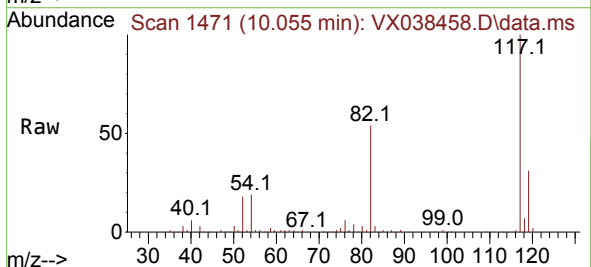
Instrument :
MSVOA_X
ClientSampleId :

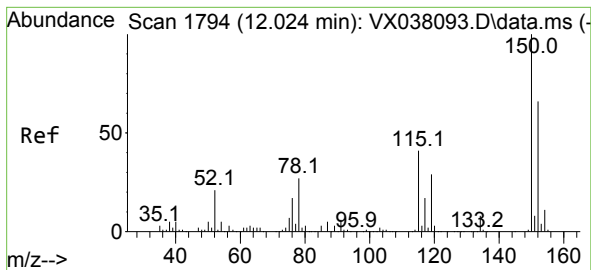
Tgt Ion: 95 Resp: 133114
Ion Ratio Lower Upper
95 100
174 83.2 0.0 135.6
176 79.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038458.D
Acq: 24 Oct 2023 16:18

Tgt Ion: 117 Resp: 276786
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 31.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038458.D

Acq: 24 Oct 2023 16:18

Instrument :

MSVOA_X

ClientSampleId :

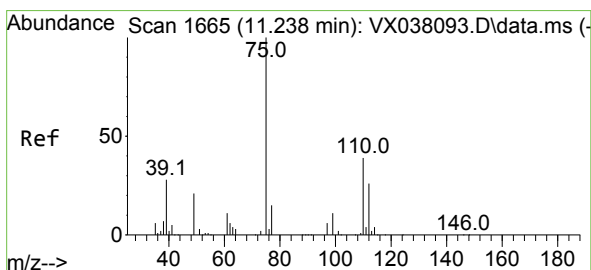
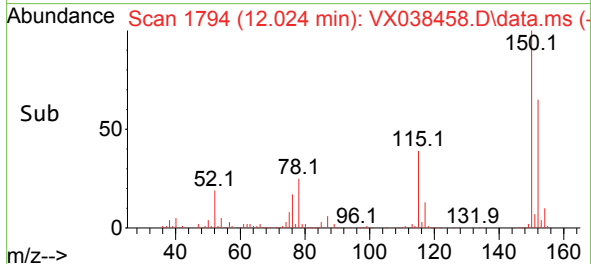
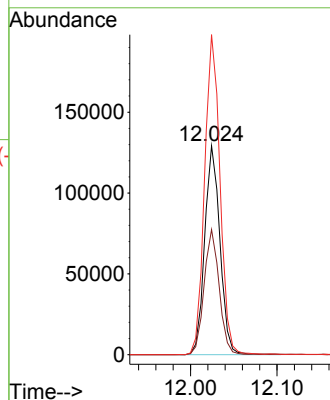
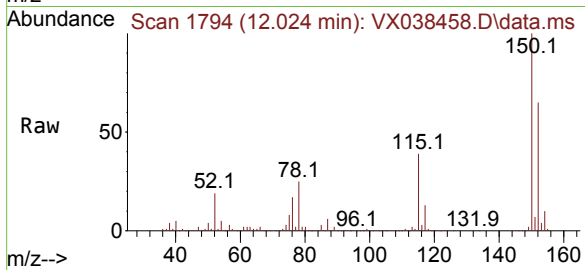
Tgt Ion:152 Resp: 158135

Ion Ratio Lower Upper

152 100

115 59.4 43.3 129.9

150 154.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 18.998 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.153 min

Lab File: VX038458.D

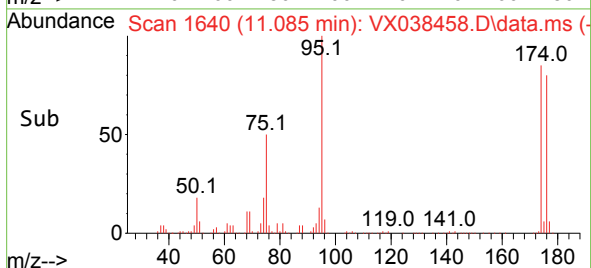
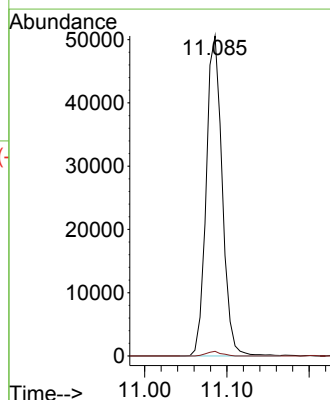
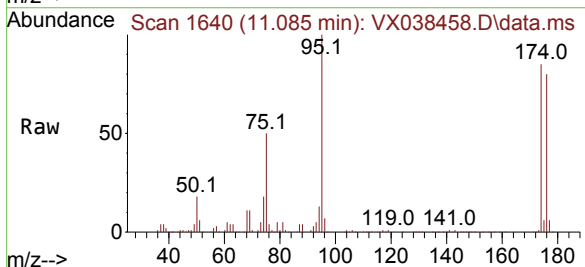
Acq: 24 Oct 2023 16:18

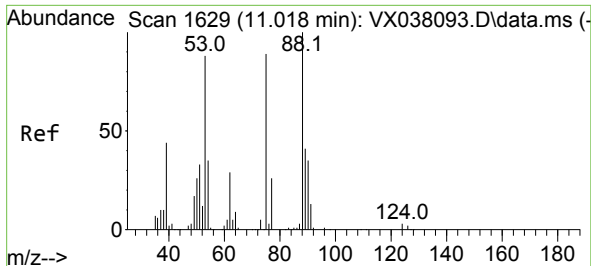
Tgt Ion: 75 Resp: 68297

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

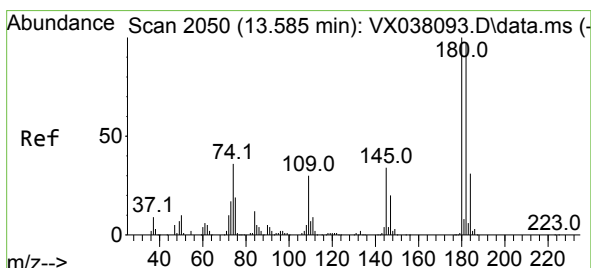
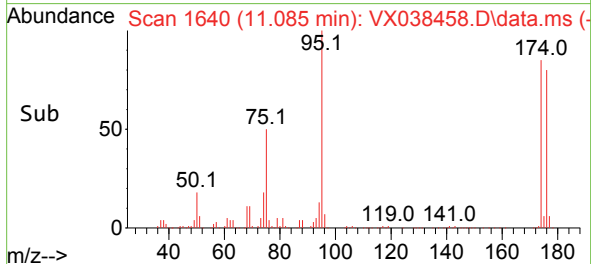
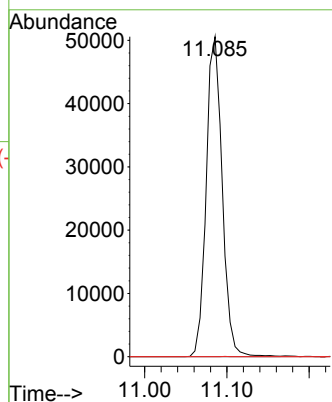
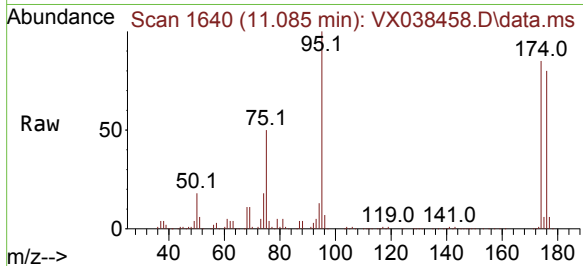




#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.031 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX038458.D
 Acq: 24 Oct 2023 16:18

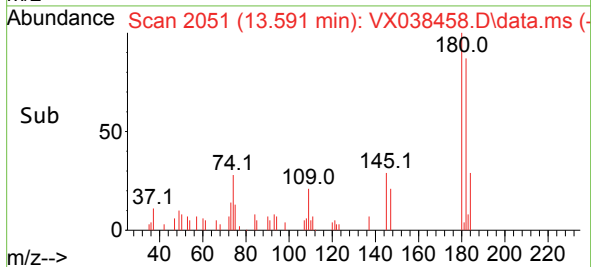
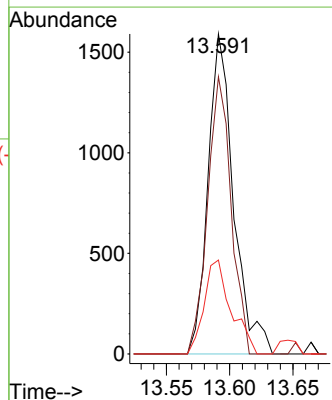
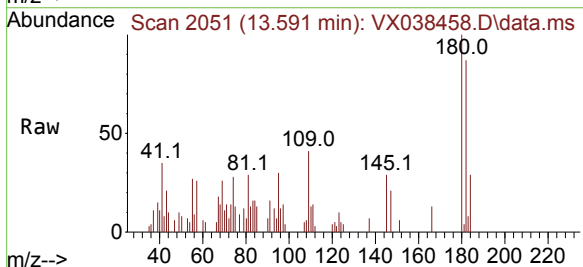
Instrument :
 MSVOA_X
 ClientSampleId :

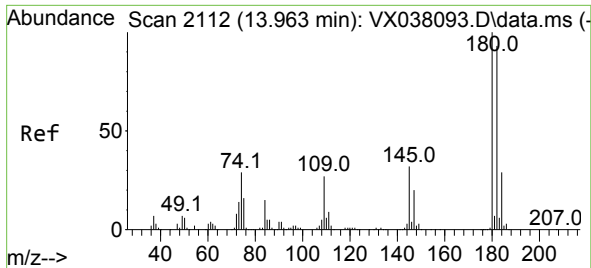
Tgt Ion: 75 Resp: 68297
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.667 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX038458.D
 Acq: 24 Oct 2023 16:18

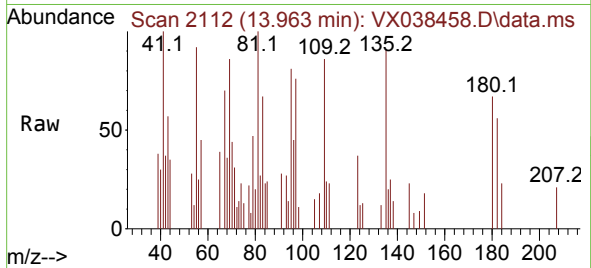
Tgt Ion:180 Resp: 2235
 Ion Ratio Lower Upper
 180 100
 182 79.9 48.3 144.8
 145 30.9 18.0 54.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.241 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX038458.D
 Acq: 24 Oct 2023 16:18

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180	Resp:	781
Ion	Ratio	Lower Upper
180	100	
182	73.0	46.9 140.6
145	46.4	17.8 53.5

