

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073123\
 Data File : VX036709.D
 Acq On : 31 Jul 2023 10:45
 Operator : JC/MD
 Sample : VX0731MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBL01

Quant Time: Aug 01 04:32:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

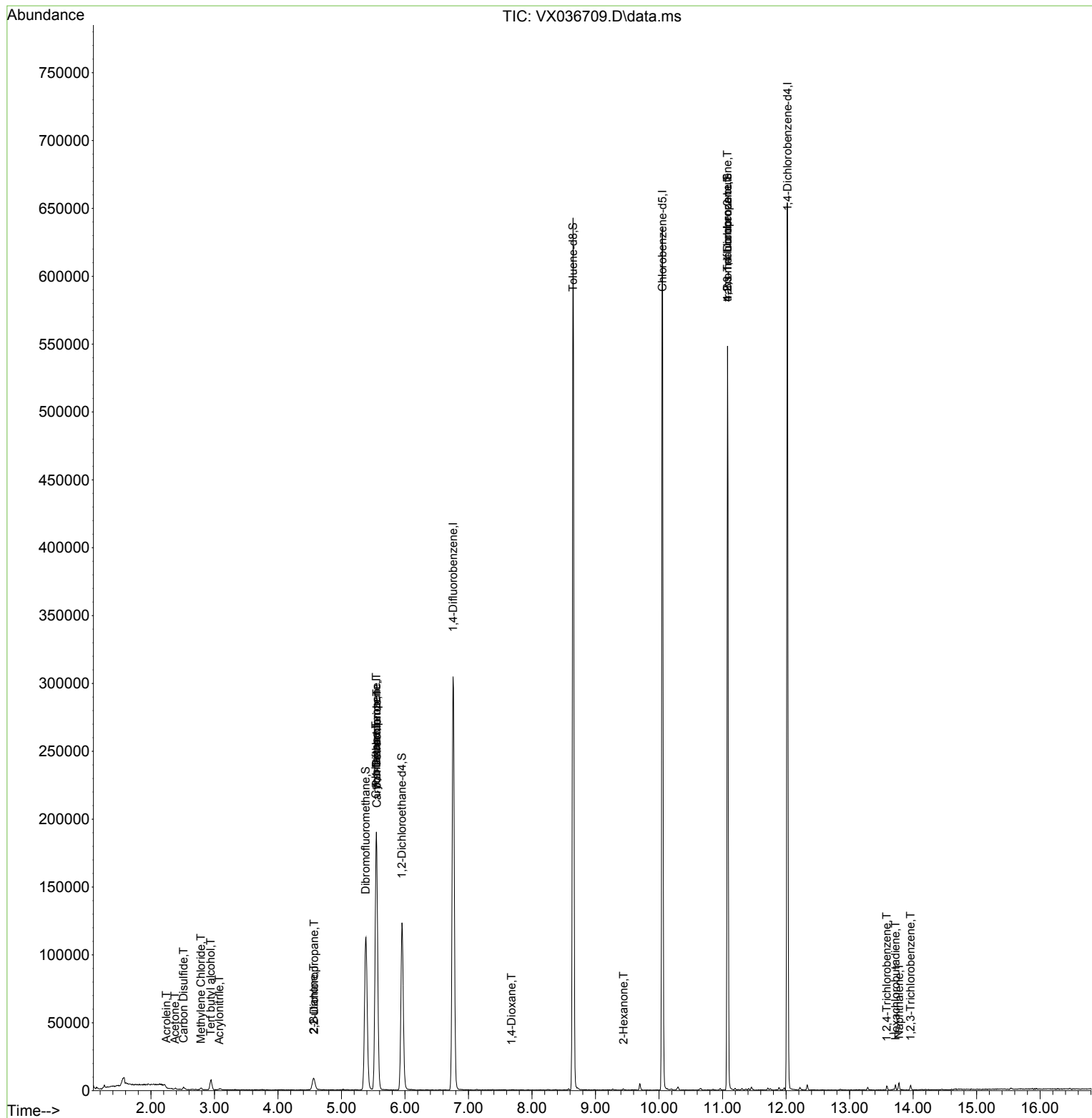
Internal Standards						
1) Pentafluorobenzene	5.550	168	176540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	316235	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294822	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	117494	44.979	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.960%		
35) Dibromofluoromethane	5.379	113	100403	46.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.380%		
50) Toluene-d8	8.647	98	378822	49.146	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.300%		
62) 4-Bromofluorobenzene	11.079	95	144946	49.841	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.680%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	4131	6.680	ug/l #	82
13) Acrolein	2.239	56	429	1.216	ug/l	96
15) Acrylonitrile	3.074	53	370	0.298	ug/l #	90
16) Acetone	2.379	43	873	0.805	ug/l	94
17) Carbon Disulfide	2.513	76	2085	0.382	ug/l	97
20) Methylene Chloride	2.788	84	611	0.253	ug/l	94
25) 2-Butanone	4.562	43	740	0.421	ug/l #	51
26) 2,2-Dichloropropane	4.568	77	830	0.213	ug/l #	54
31) Cyclohexane	5.543	56	4194	1.160	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	14643	4.520	ug/l #	51
38) Carbon Tetrachloride	5.556	117	18310	5.316	ug/l #	14
49) 1,4-Dioxane	7.677	88	46	0.776	ug/l #	73
59) 2-Hexanone	9.439	43	586	0.226	ug/l	80
76) 1,2,3-Trichloropropane	11.079	75	75407	23.995	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	75407	54.385	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	832	0.300	ug/l	92
94) Hexachlorobutadiene	13.725	225	557	0.486	ug/l	96
95) Naphthalene	13.780	128	3842	0.398	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1040	0.381	ug/l	97

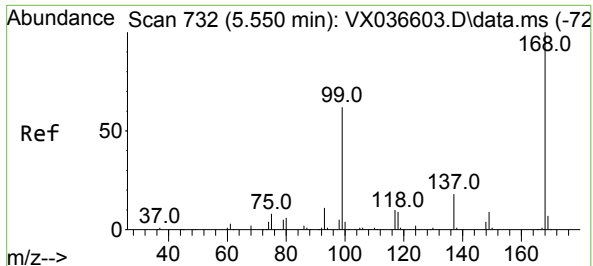
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

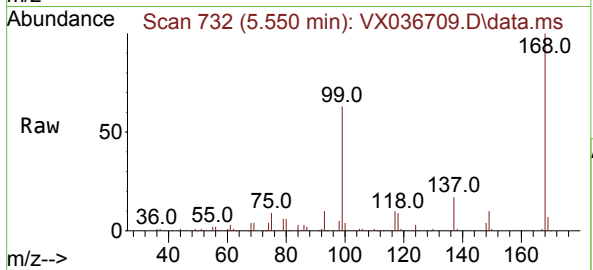
Quant Time: Aug 01 04:32:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



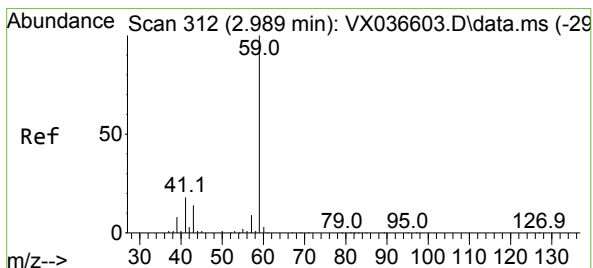
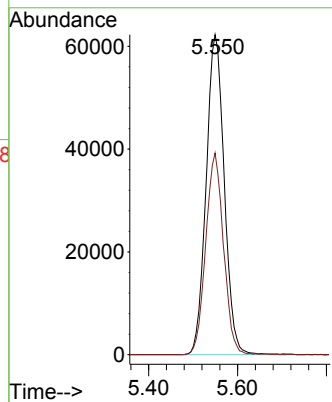
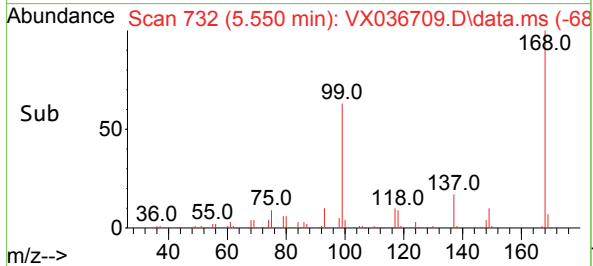


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

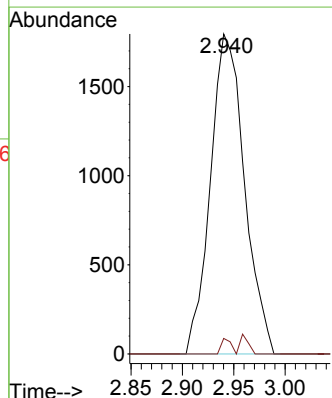
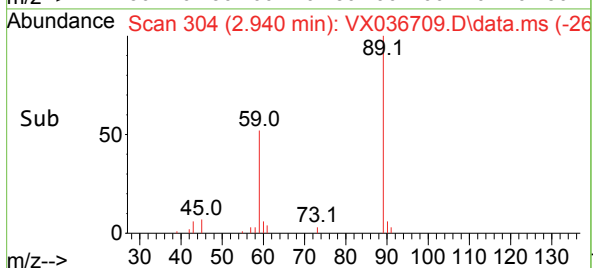
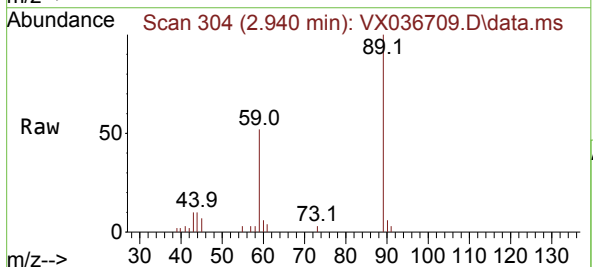


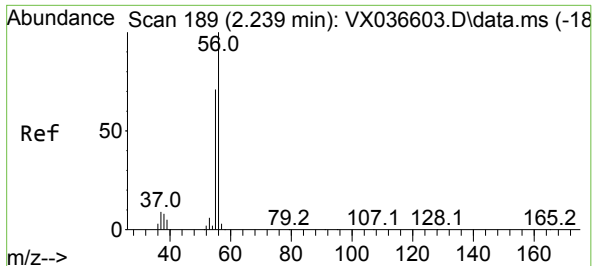
Tgt Ion:168 Resp: 176540
Ion Ratio Lower Upper
168 100
99 63.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 6.680 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

Tgt Ion: 59 Resp: 4131
Ion Ratio Lower Upper
59 100
57 1.4 6.0 9.0#

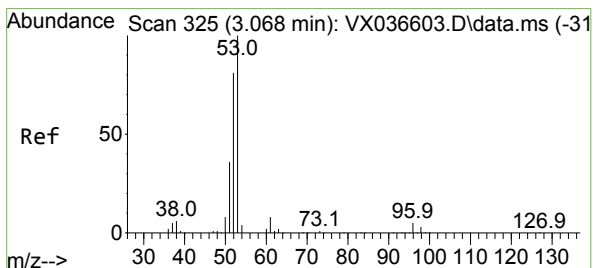
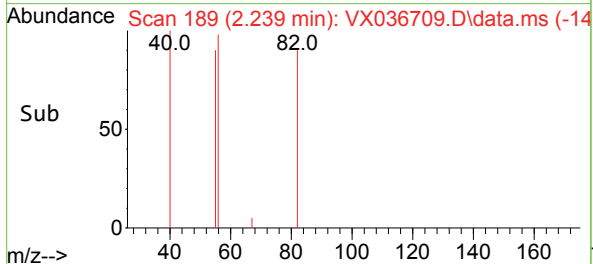
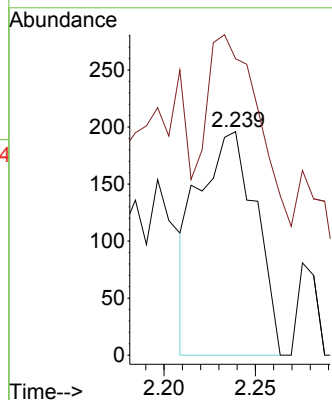
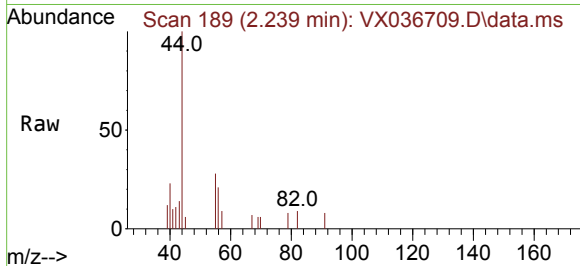




#13
Acrolein
Concen: 1.216 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

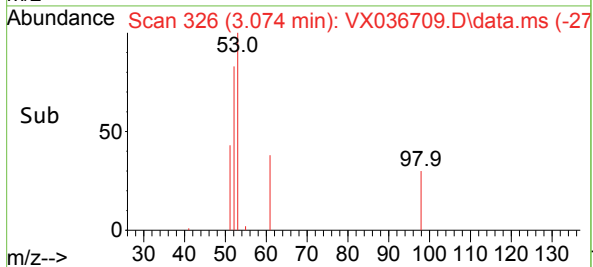
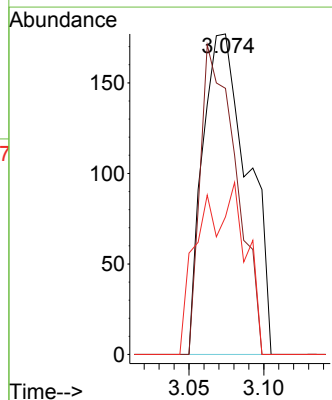
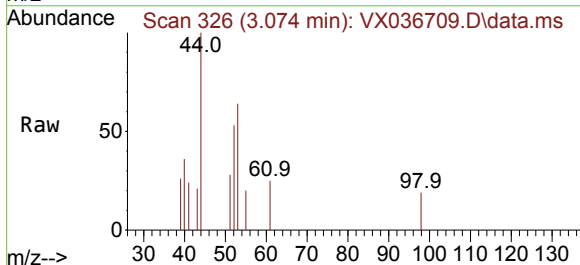
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

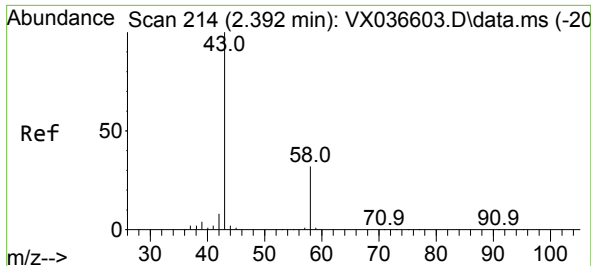
Tgt Ion: 56 Resp: 429
Ion Ratio Lower Upper
56 100
55 74.8 57.1 85.7



#15
Acrylonitrile
Concen: 0.298 ug/l
RT: 3.074 min Scan# 326
Delta R.T. 0.006 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

Tgt Ion: 53 Resp: 370
Ion Ratio Lower Upper
53 100
52 77.0 66.0 99.0
51 26.8 29.8 44.6#

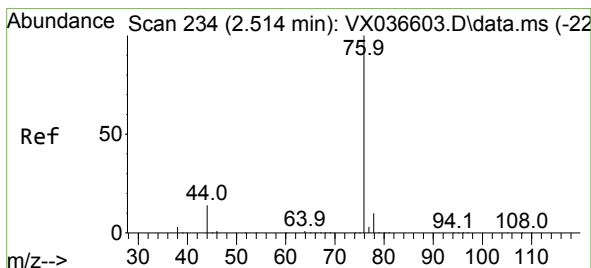
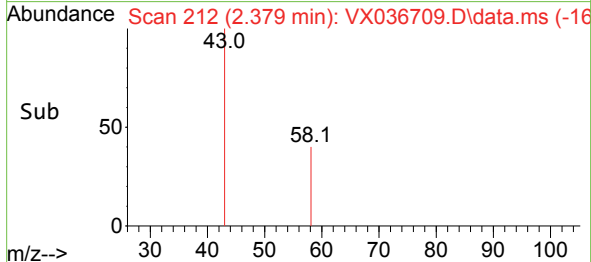
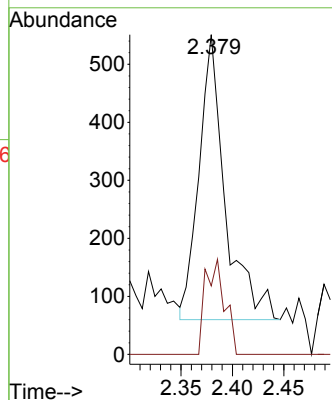
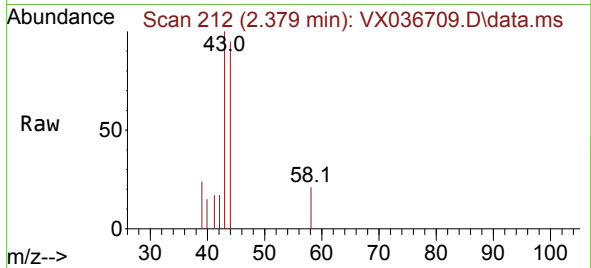




#16
Acetone
Concen: 0.805 ug/l
RT: 2.379 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

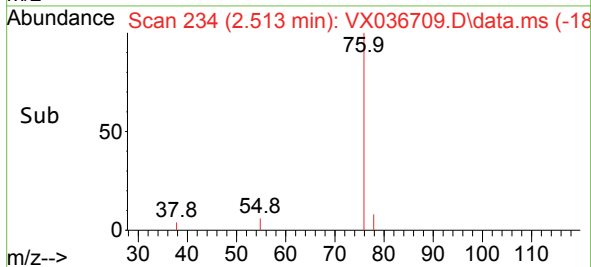
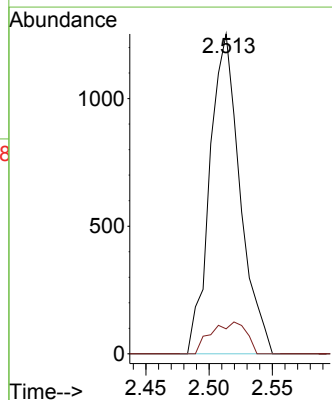
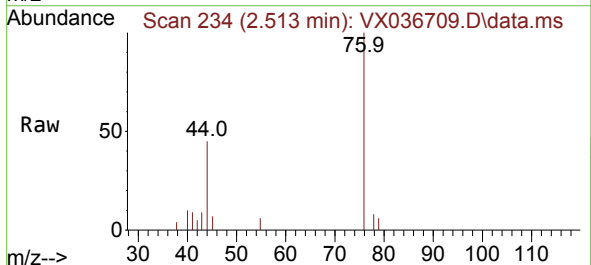
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

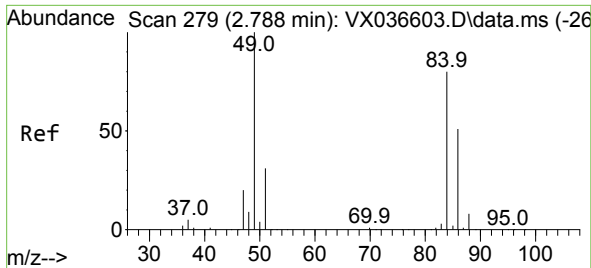
Tgt Ion: 43 Resp: 873
Ion Ratio Lower Upper
43 100
58 24.0 21.9 32.9



#17
Carbon Disulfide
Concen: 0.382 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

Tgt Ion: 76 Resp: 2085
Ion Ratio Lower Upper
76 100
78 7.8 7.0 10.6





#20

Methylene Chloride

Concen: 0.253 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX036709.D

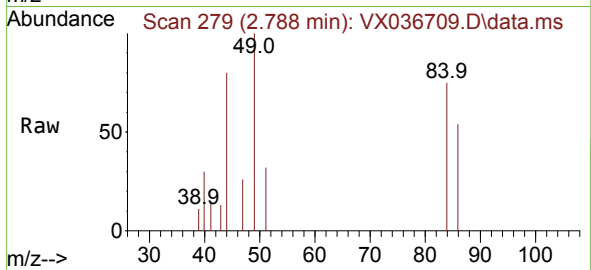
Acq: 31 Jul 2023 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBL01



Tgt Ion: 84 Resp: 611

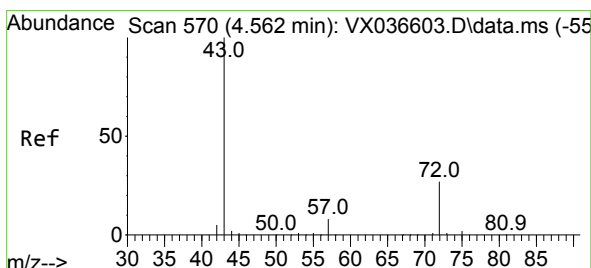
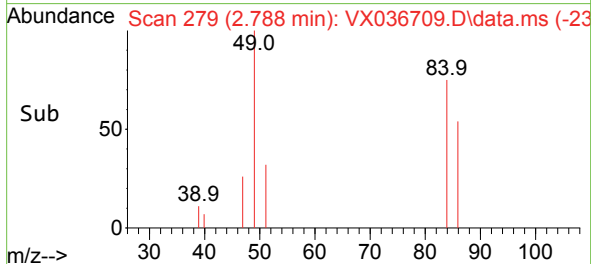
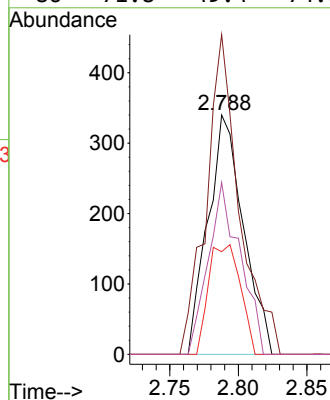
Ion Ratio Lower Upper

84 100

49 133.5 103.6 155.4

51 42.9 33.8 50.6

86 71.8 49.4 74.0



#25

2-Butanone

Concen: 0.421 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.000 min

Lab File: VX036709.D

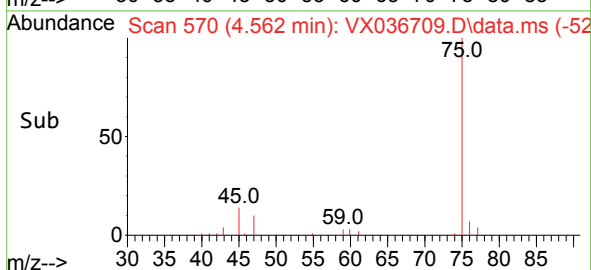
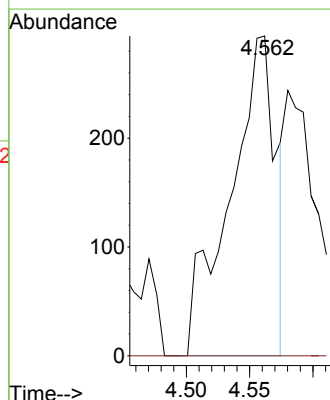
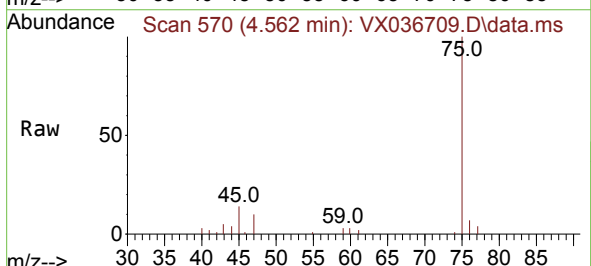
Acq: 31 Jul 2023 10:45

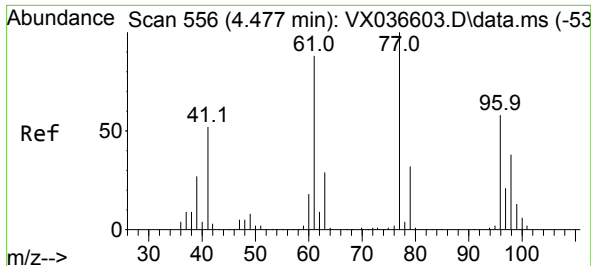
Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#26

2,2-Dichloropropane

Concen: 0.213 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.091 min

Lab File: VX036709.D

Acq: 31 Jul 2023 10:45

Instrument :

MSVOA_X

ClientSampleId :

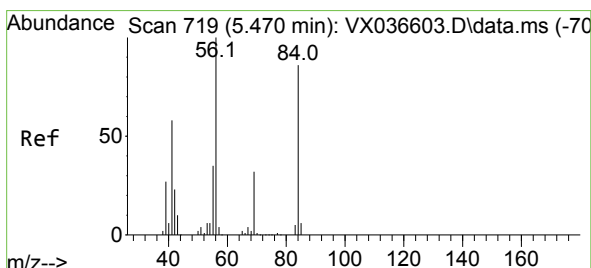
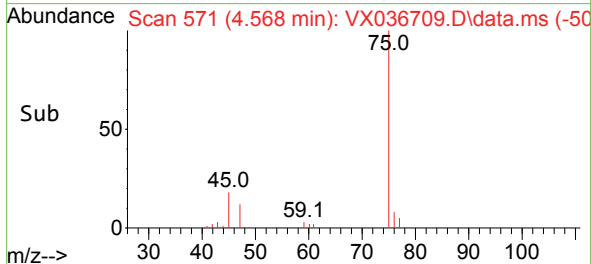
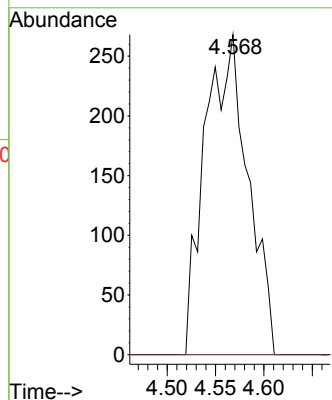
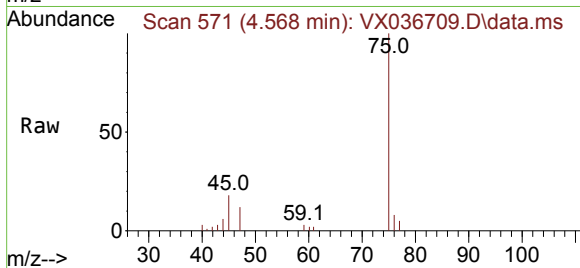
VX0731MBL01

Tgt Ion: 77 Resp: 830

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX036709.D

Acq: 31 Jul 2023 10:45

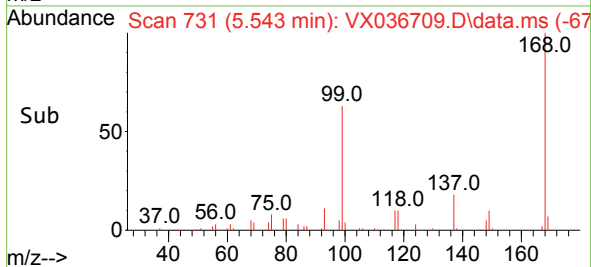
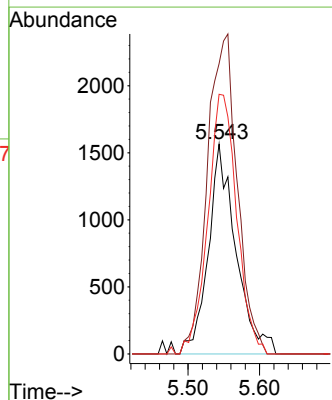
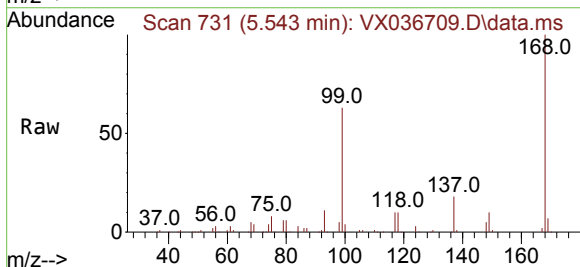
Tgt Ion: 56 Resp: 4194

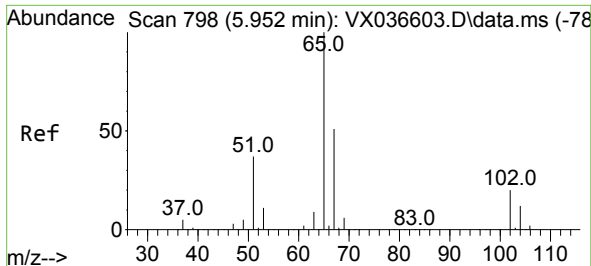
Ion Ratio Lower Upper

56 100

69 138.4 23.4 35.2#

84 123.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.979 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX036709.D

Acq: 31 Jul 2023 10:45

Instrument :

MSVOA_X

ClientSampleId :

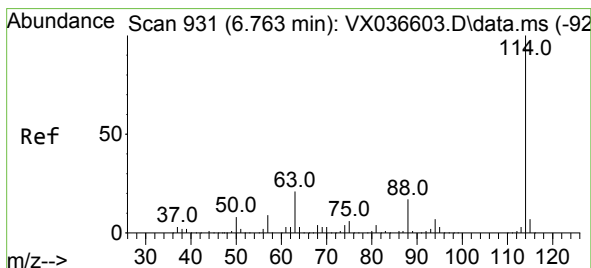
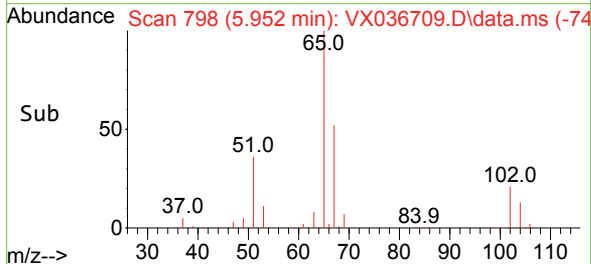
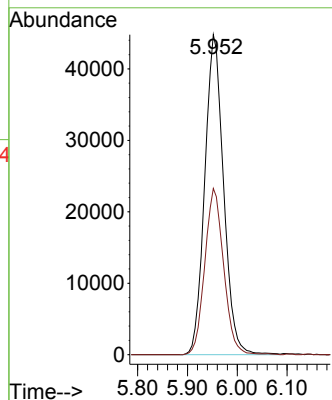
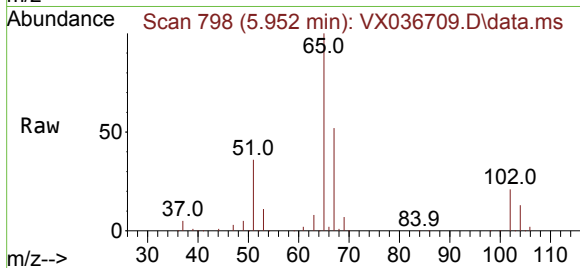
VX0731MBL01

Tgt Ion: 65 Resp: 117494

Ion Ratio Lower Upper

65 100

67 52.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX036709.D

Acq: 31 Jul 2023 10:45

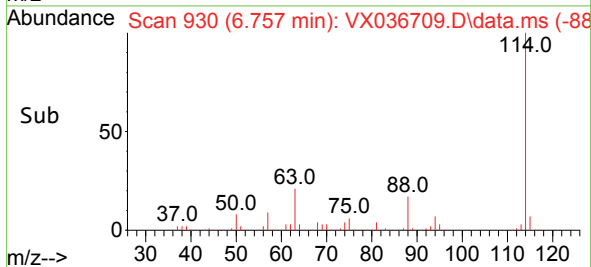
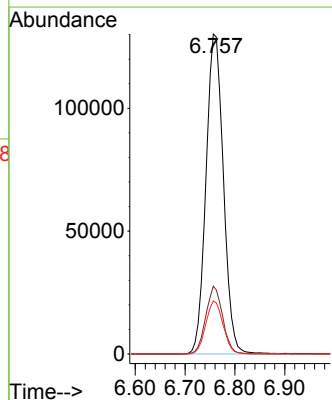
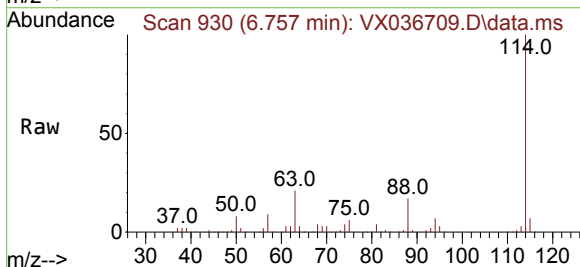
Tgt Ion: 114 Resp: 316235

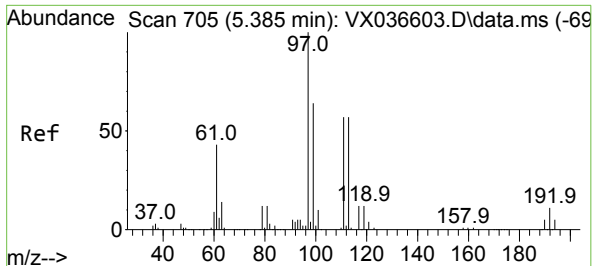
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.0

88 16.5 0.0 36.6

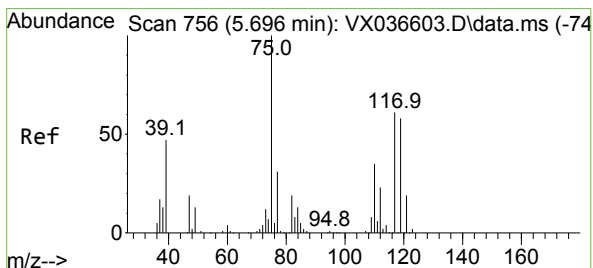
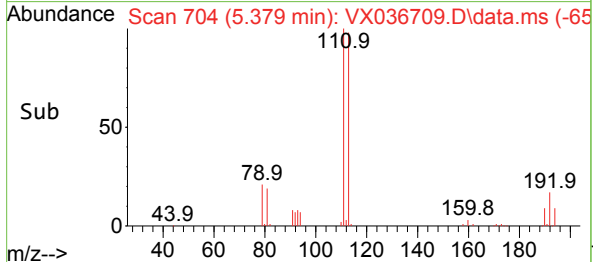
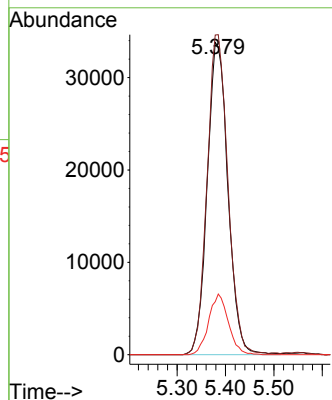
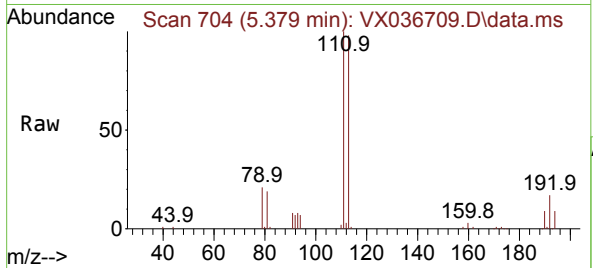




#35
Dibromofluoromethane
Concen: 46.192 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

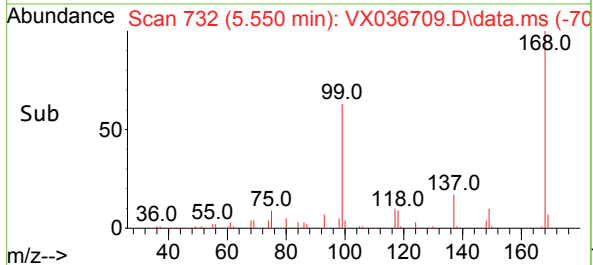
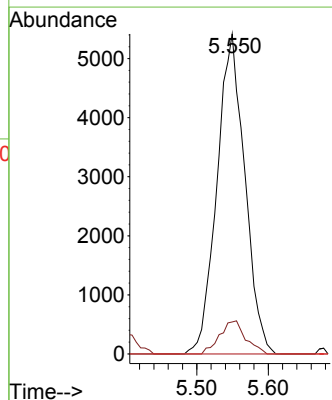
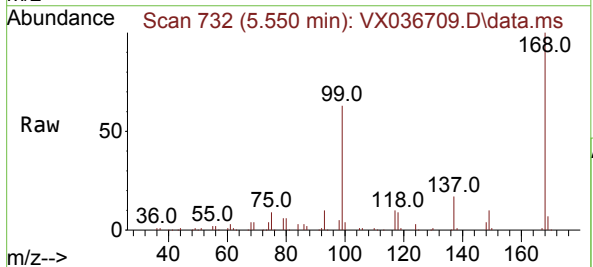
Instrument :
MSVOA_X
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VX0731MBL01

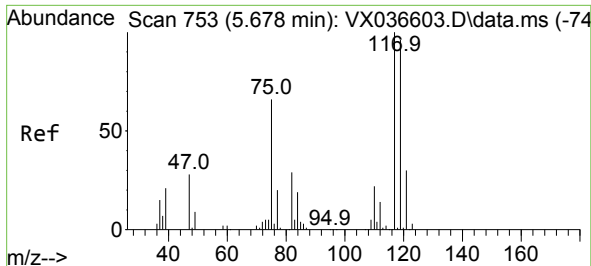
Tgt Ion:113 Resp: 100403
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.520 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.147 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

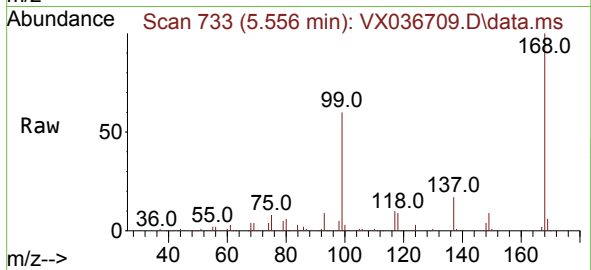
Tgt Ion: 75 Resp: 14643
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



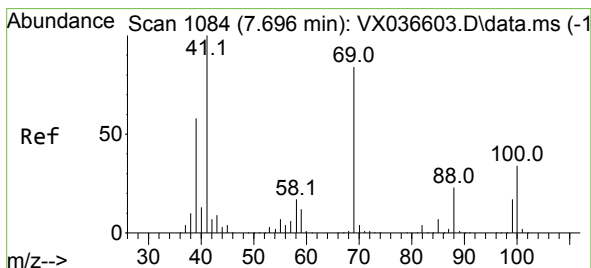
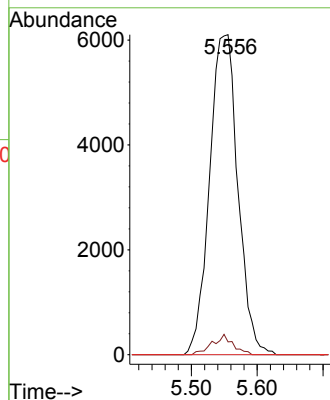
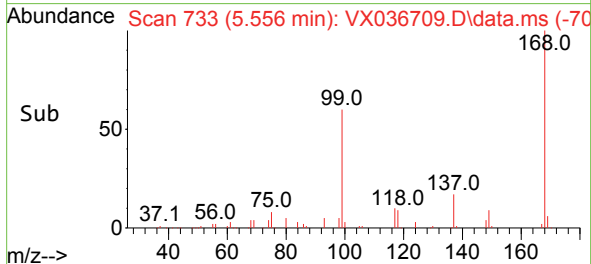


#38
Carbon Tetrachloride
Concen: 5.316 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

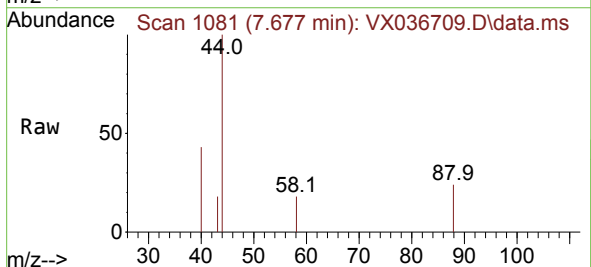
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01



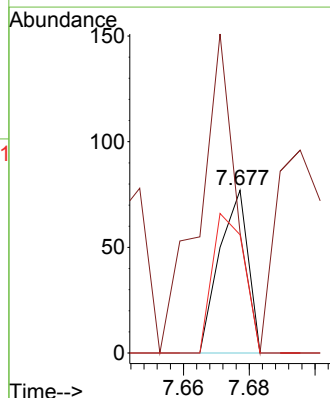
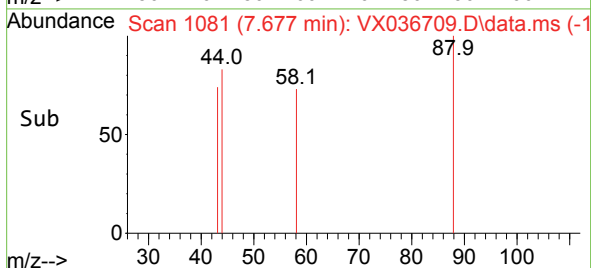
Tgt Ion:117 Resp: 18310
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#

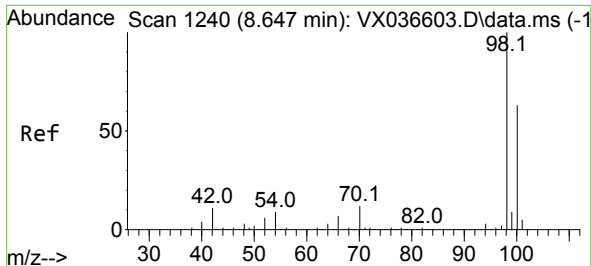


#49
1,4-Dioxane
Concen: 0.776 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.019 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45



Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 252.2 0.0 0.0#
58 97.8 60.1 90.1#

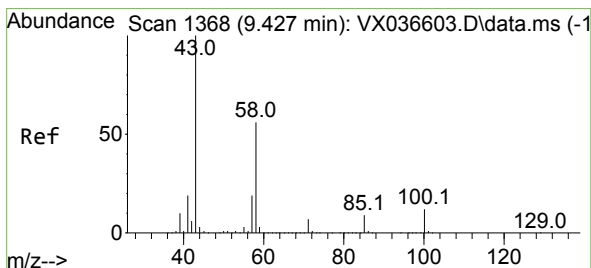
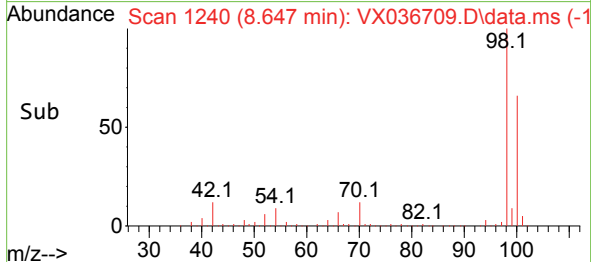
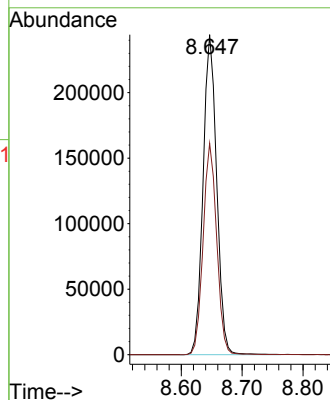
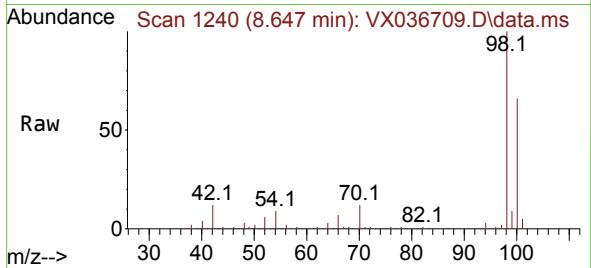




#50
Toluene-d8
Concen: 49.146 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

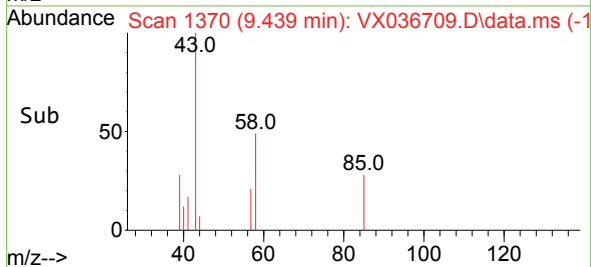
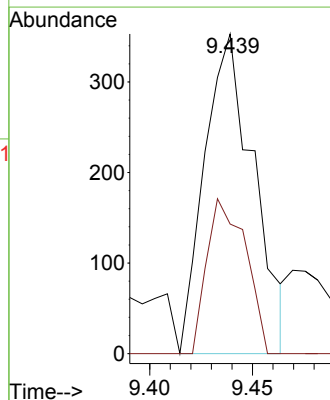
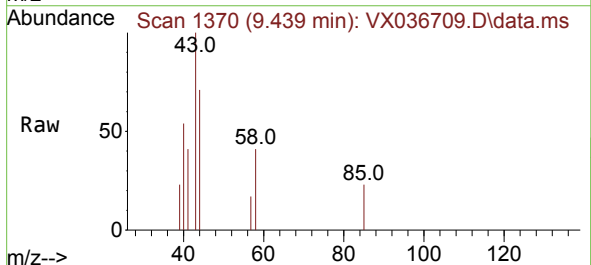
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

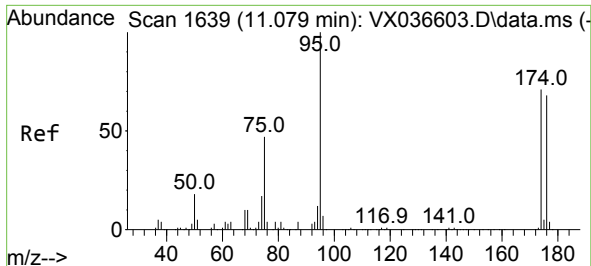
Tgt Ion: 98 Resp: 378822
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#59
2-Hexanone
Concen: 0.226 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
58 38.4 26.2 78.5

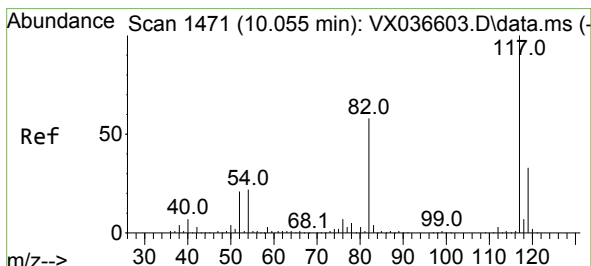
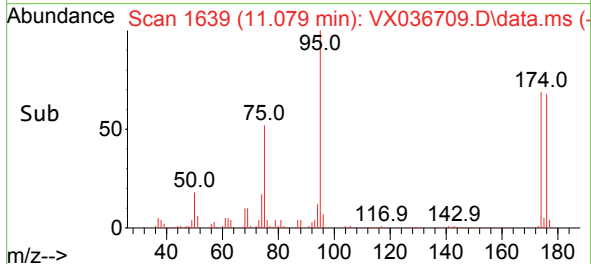
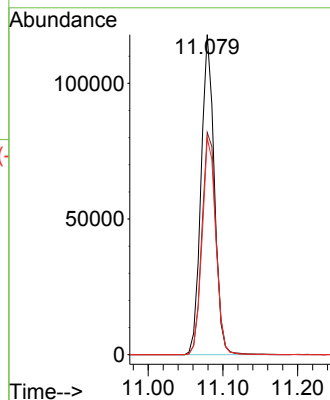
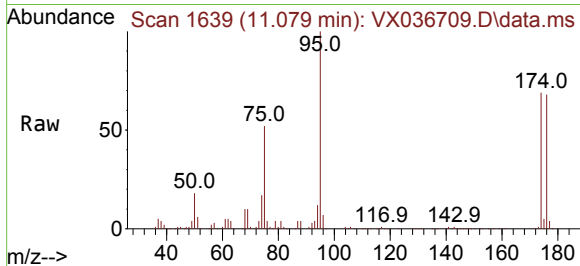




#62
4-Bromofluorobenzene
Concen: 49.841 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

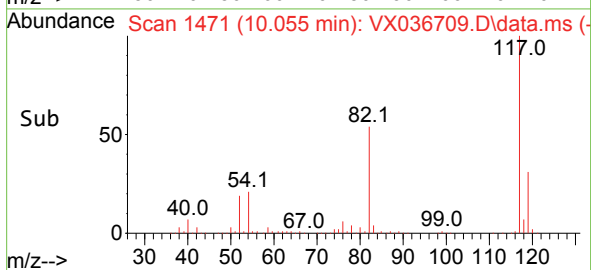
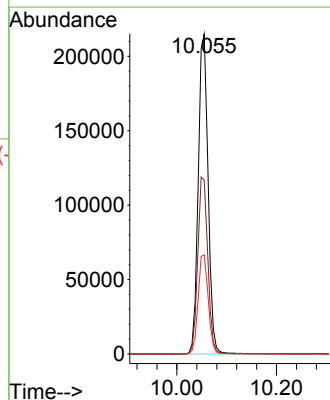
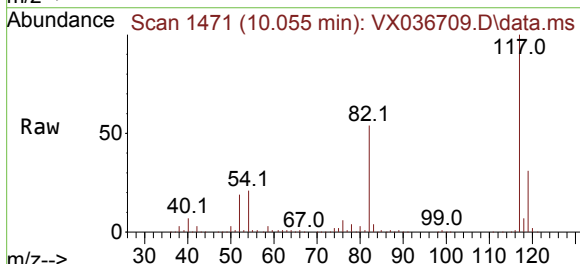
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

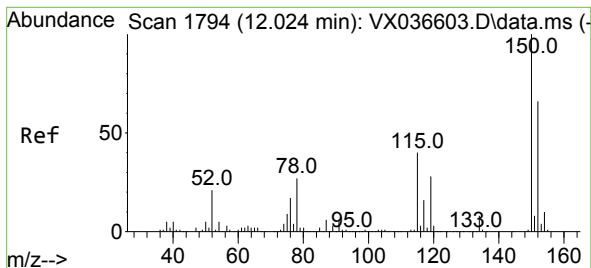
Tgt Ion: 95 Resp: 144946
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 70.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

Tgt Ion: 117 Resp: 294822
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 31.0 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: VX036709.D

Acq: 31 Jul 2023 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBL01

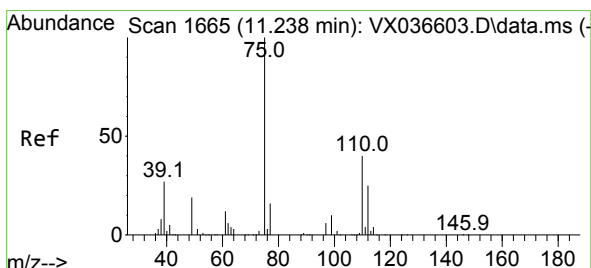
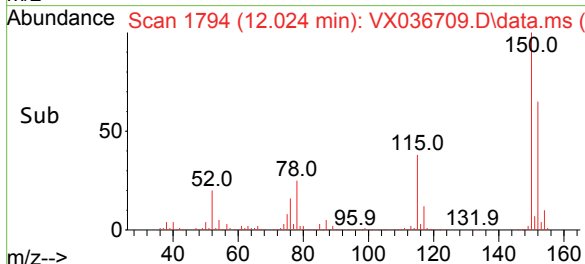
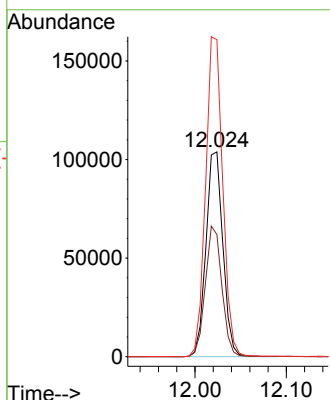
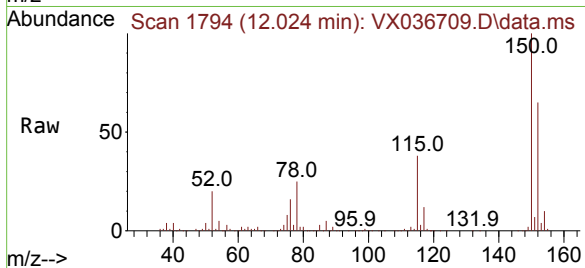
Tgt Ion:152 Resp: 133611

Ion Ratio Lower Upper

152 100

115 62.4 43.3 129.9

150 157.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.995 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036709.D

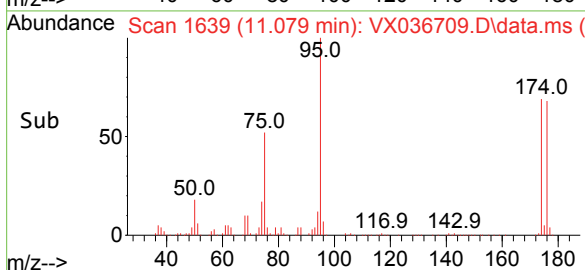
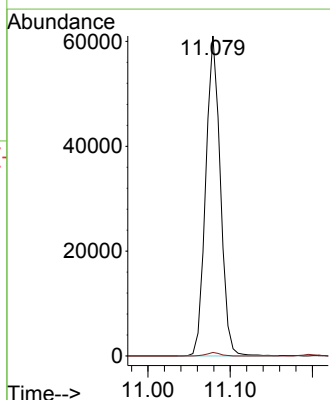
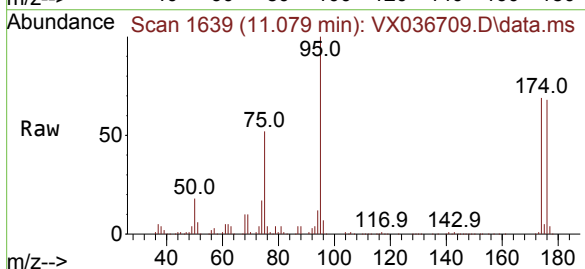
Acq: 31 Jul 2023 10:45

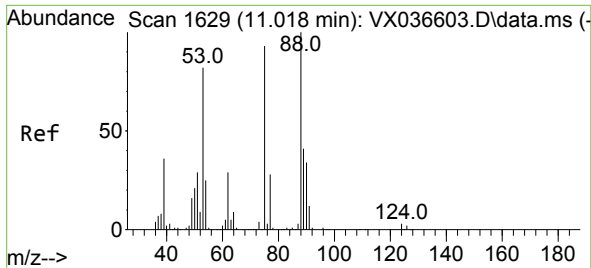
Tgt Ion: 75 Resp: 75407

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

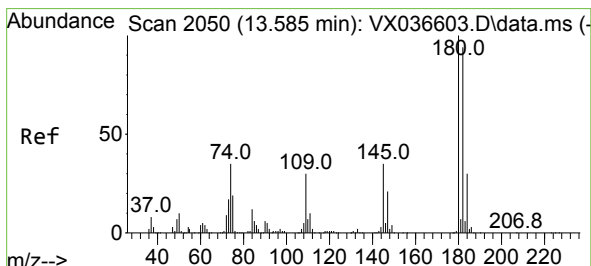
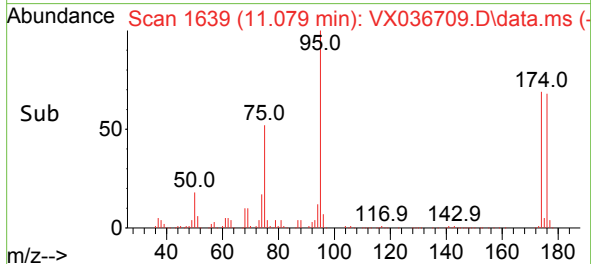
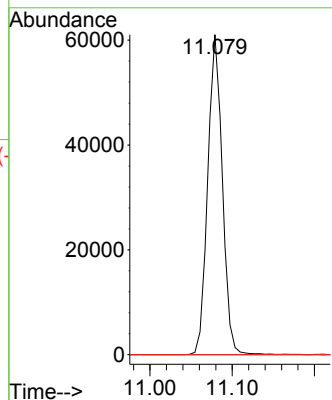
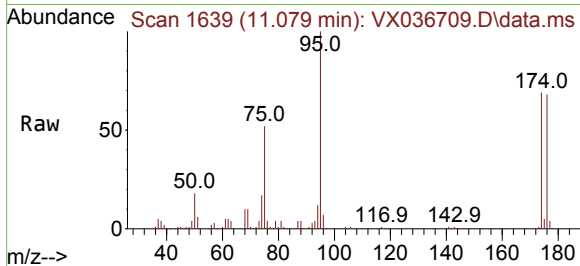




#81
trans-1,4-Dichloro-2-butene
Concen: 54.385 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

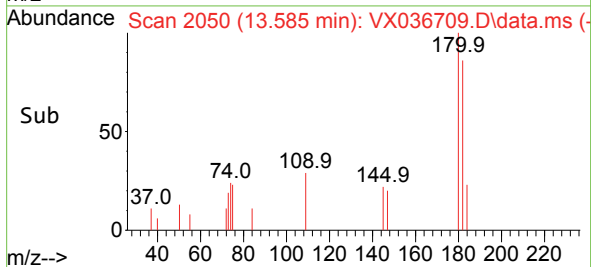
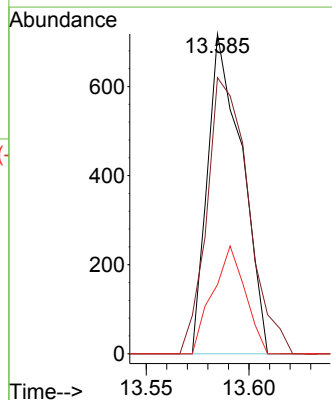
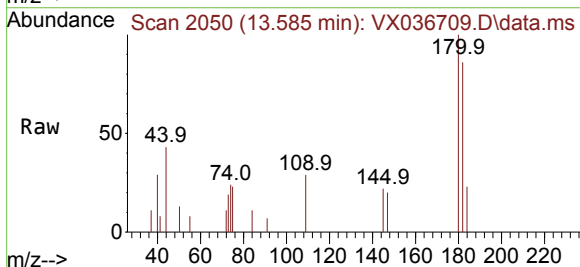
Instrument :
MSVOA_X
ClientSampleId :
VX0731MBL01

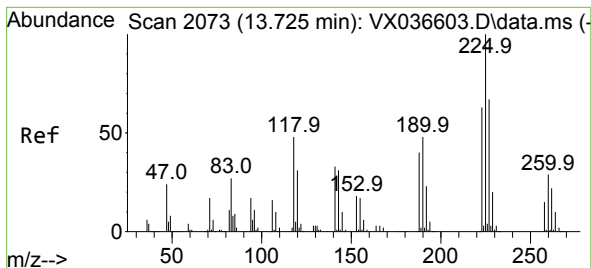
Tgt Ion: 75 Resp: 75407
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.300 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX036709.D
Acq: 31 Jul 2023 10:45

Tgt Ion:180 Resp: 832
Ion Ratio Lower Upper
180 100
182 104.2 48.3 144.8
145 32.0 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.486 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX036709.D

Acq: 31 Jul 2023 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBL01

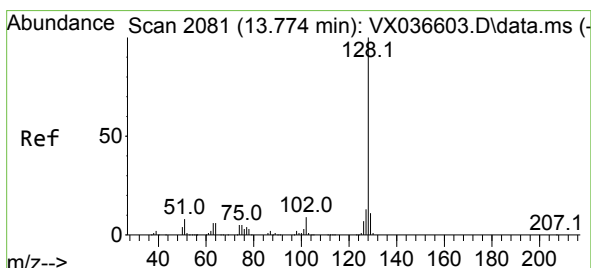
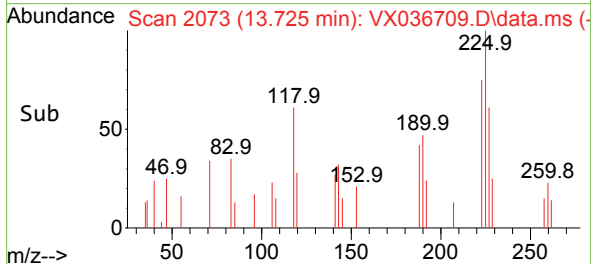
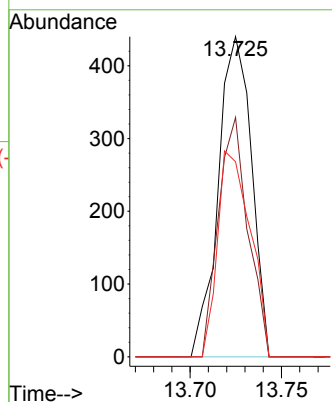
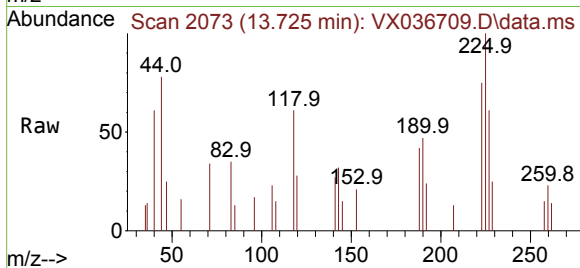
Tgt Ion:225 Resp: 557

Ion Ratio Lower Upper

225 100

223 66.6 31.1 93.2

227 63.4 32.5 97.5



#95

Naphthalene

Concen: 0.398 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX036709.D

Acq: 31 Jul 2023 10:45

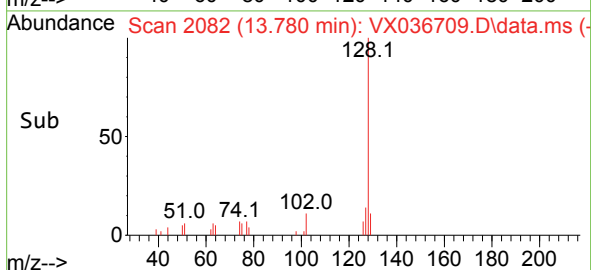
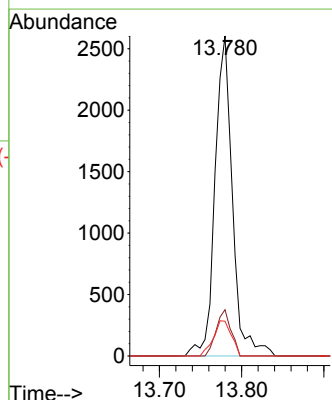
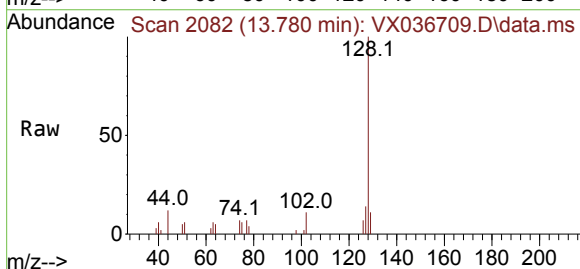
Tgt Ion:128 Resp: 3842

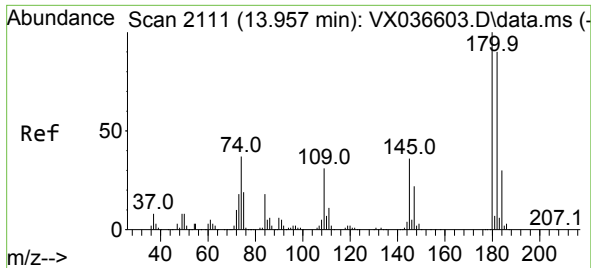
Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

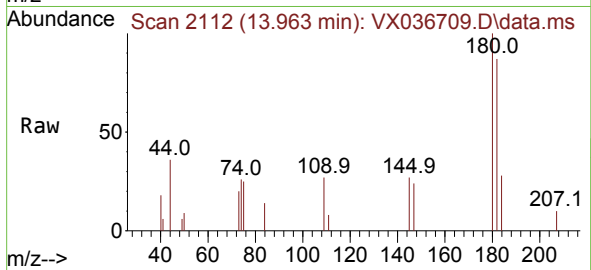
129 11.2 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.381 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX036709.D
 Acq: 31 Jul 2023 10:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBL01



Tgt Ion:	180	Resp:	1040
Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.9	140.6
145	30.8	17.8	53.5

