

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038471.D
 Acq On : 25 Oct 2023 11:52
 Operator : JC/MD
 Sample : 05007-20DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 04:02:20 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)

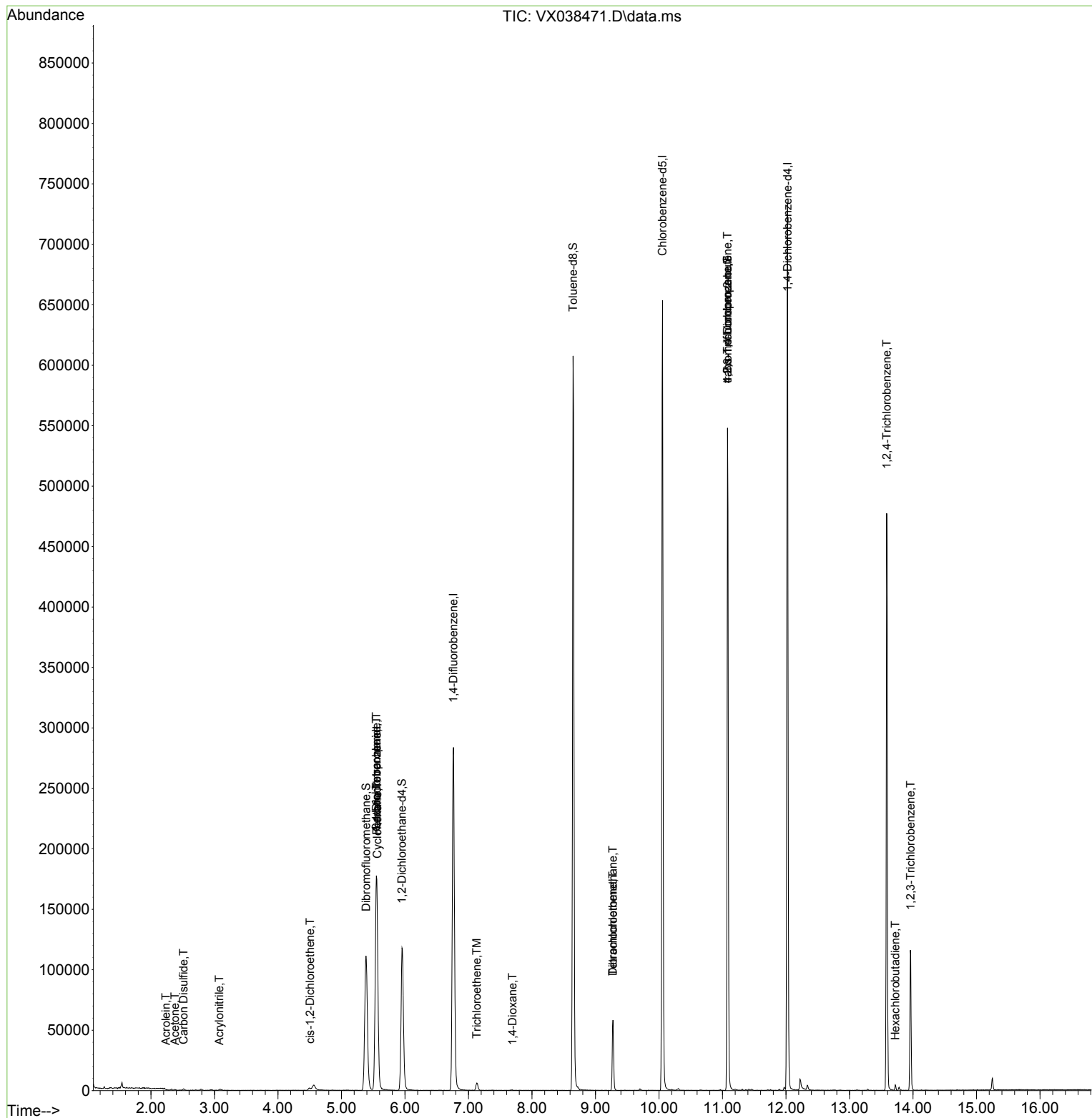
Internal Standards						
1) Pentafluorobenzene	5.556	168	177178	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	304316	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	303555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	162052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110548	38.792	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	77.580%#		
35) Dibromofluoromethane	5.385	113	98964	45.132	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.260%		
50) Toluene-d8	8.647	98	370753	44.247	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.500%#		
62) 4-Bromofluorobenzene	11.079	95	142926	44.993	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.980%		
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	132	Below Cal		89
6) Chloroethane	1.703	64	122	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	443	Below Cal	#	78
13) Acrolein	2.233	56	210	0.518	ug/l #	50
15) Acrylonitrile	3.075	53	474	0.365	ug/l #	71
16) Acetone	2.380	43	592	0.498	ug/l #	74
17) Carbon Disulfide	2.514	76	1299	0.278	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	1189	0.497	ug/l	88
31) Cyclohexane	5.562	56	3425	1.109	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13352	4.416	ug/l #	50
38) Carbon Tetrachloride	5.550	117	17905	6.019	ug/l #	15
44) Trichloroethene	7.129	130	2732	1.235	ug/l	92
49) 1,4-Dioxane	7.690	88	305	4.836	ug/l #	30
60) Dibromochloromethane	9.275	129	10556	4.577	ug/l #	11
64) Tetrachloroethene	9.275	164	11345	5.773	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	72311	19.628	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	72311	56.723	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	112255	32.672	ug/l	97
94) Hexachlorobutadiene	13.719	225	605	0.437	ug/l	89
96) 1,2,3-Trichlorobenzene	13.963	180	28190	8.474	ug/l	97

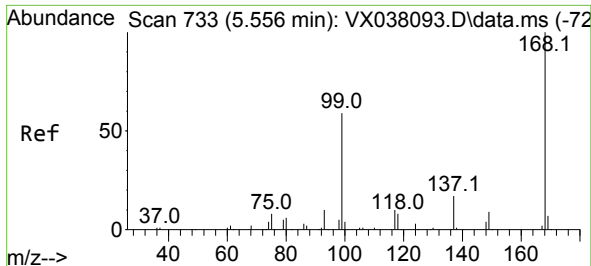
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

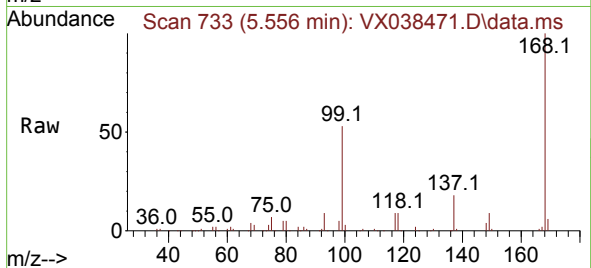
Quant Time: Oct 26 04:02:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



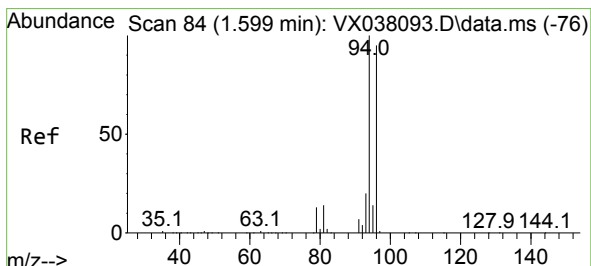
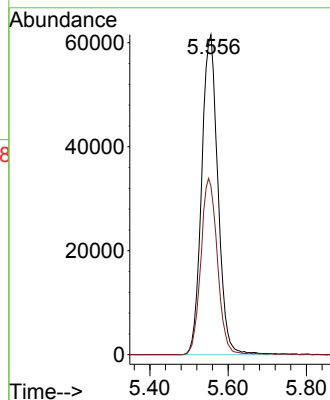
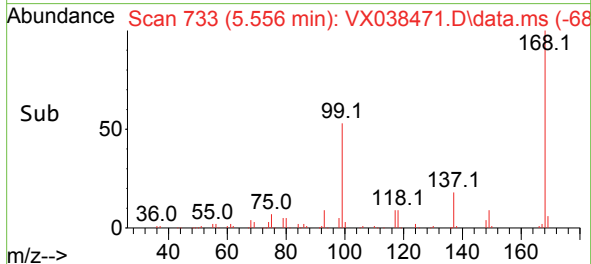


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

Instrument :
MSVOA_X
ClientSampleId :

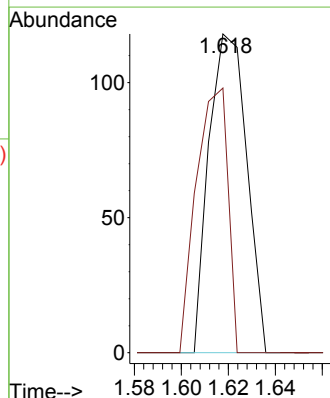
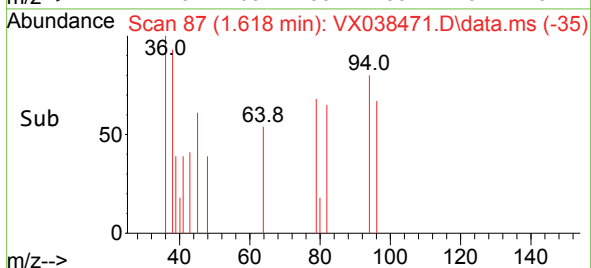
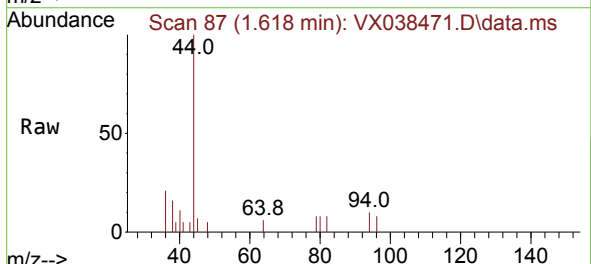


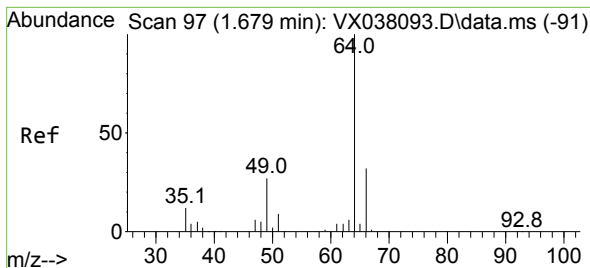
Tgt Ion:168 Resp: 177178
Ion Ratio Lower Upper
168 100
99 52.7 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

Tgt Ion: 94 Resp: 132
Ion Ratio Lower Upper
94 100
96 83.1 74.6 111.8





#6

Chloroethane

Concen: Below Cal

RT: 1.703 min Scan# 101

Delta R.T. 0.024 min

Lab File: VX038471.D

Acq: 25 Oct 2023 11:52

Instrument :

MSVOA_X

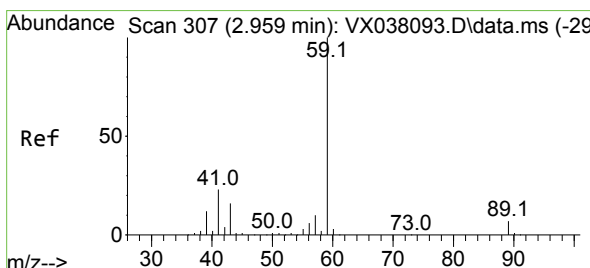
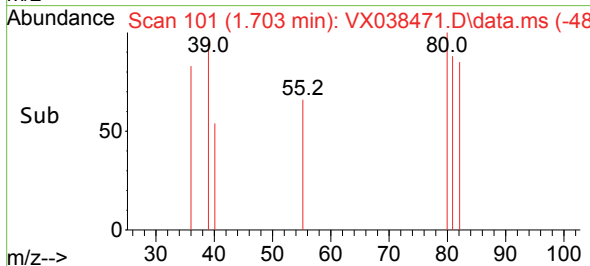
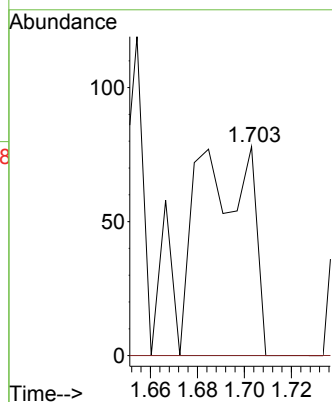
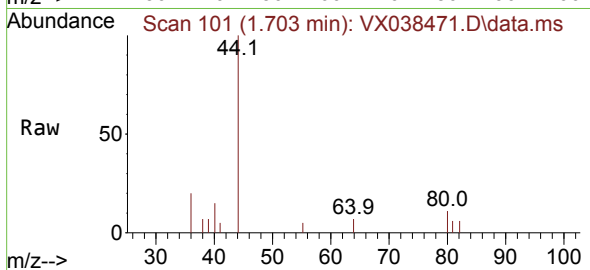
ClientSampleId :

Tgt Ion: 64 Resp: 122

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX038471.D

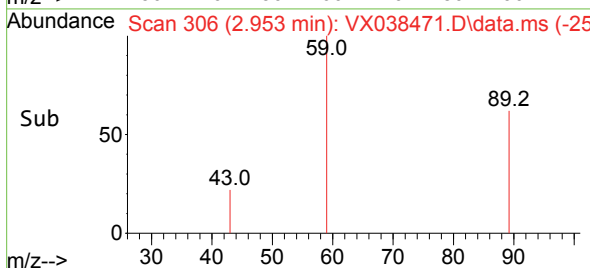
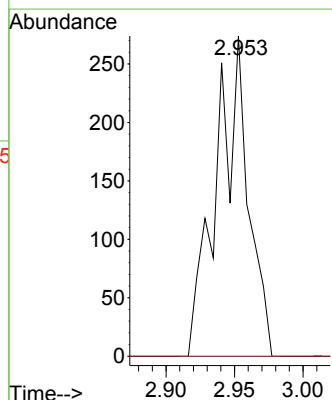
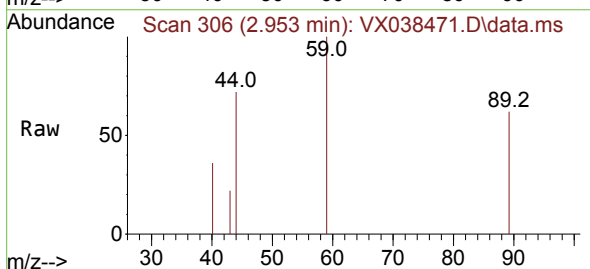
Acq: 25 Oct 2023 11:52

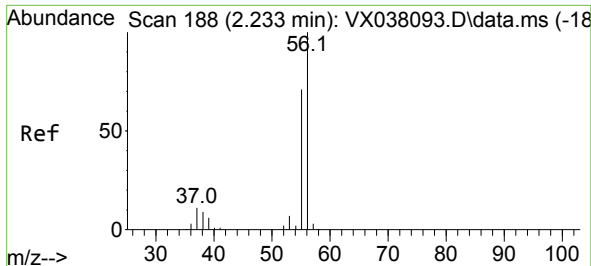
Tgt Ion: 59 Resp: 443

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.518 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038471.D

Acq: 25 Oct 2023 11:52

Instrument :

MSVOA_X

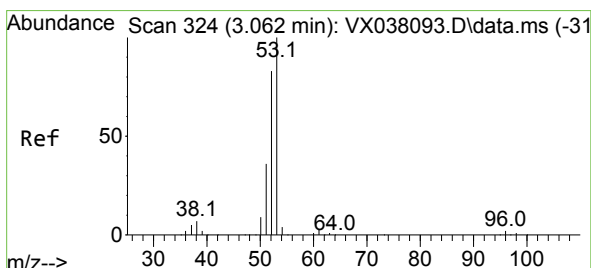
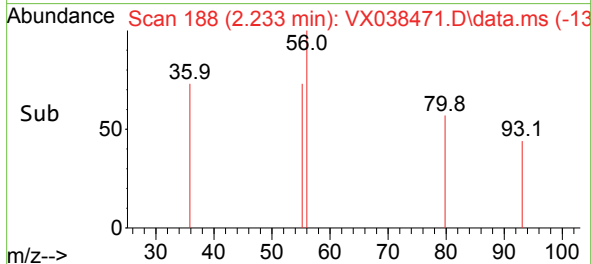
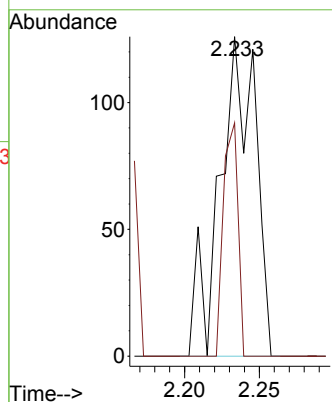
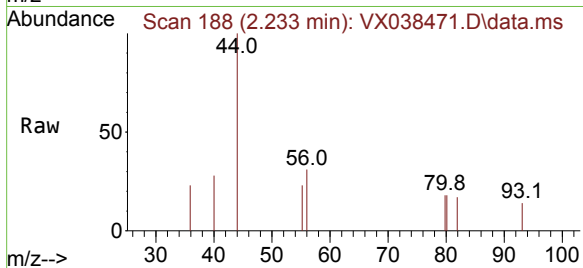
ClientSampleId :

Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 30.0 57.1 85.7#



#15

Acrylonitrile

Concen: 0.365 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.013 min

Lab File: VX038471.D

Acq: 25 Oct 2023 11:52

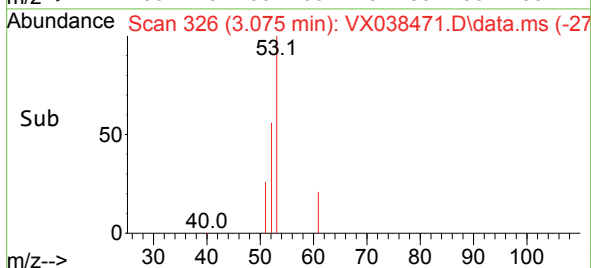
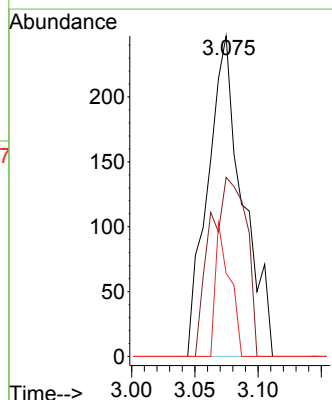
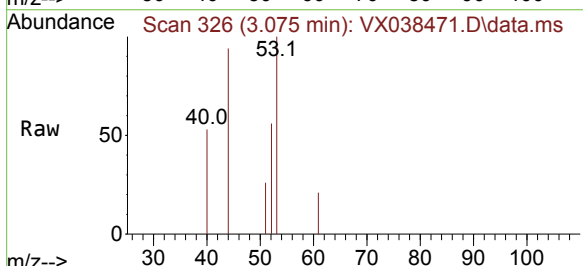
Tgt Ion: 53 Resp: 474

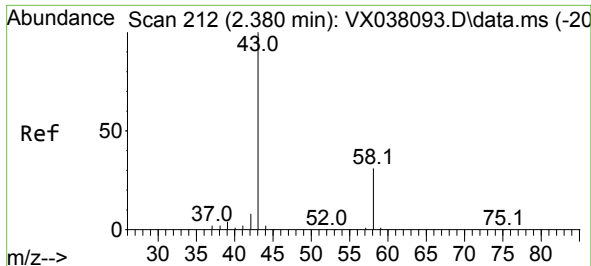
Ion Ratio Lower Upper

53 100

52 58.0 66.0 99.0#

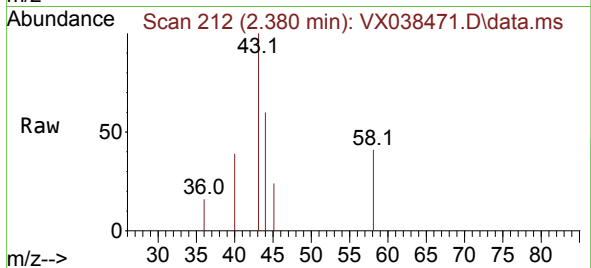
51 17.1 29.8 44.6#



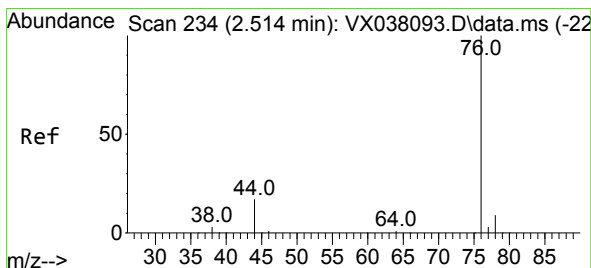
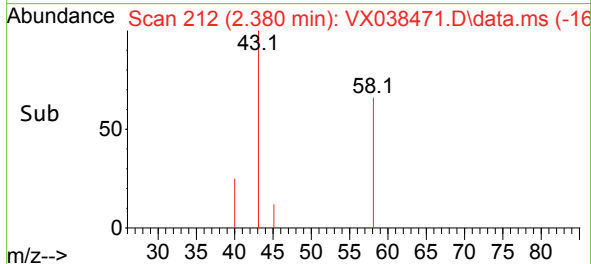
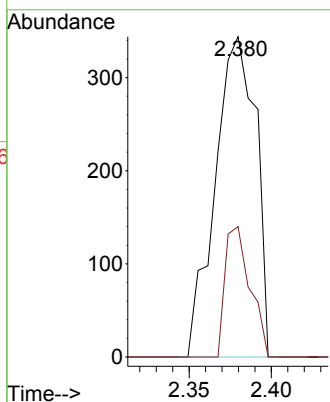


#16
Acetone
Concen: 0.498 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

Instrument :
MSVOA_X
ClientSampleId :

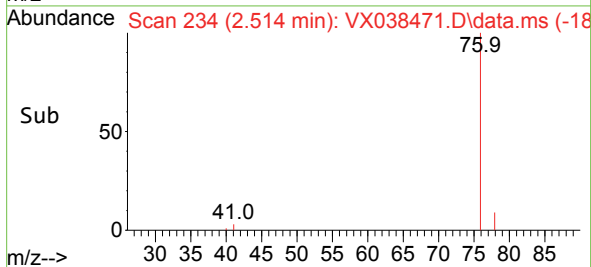
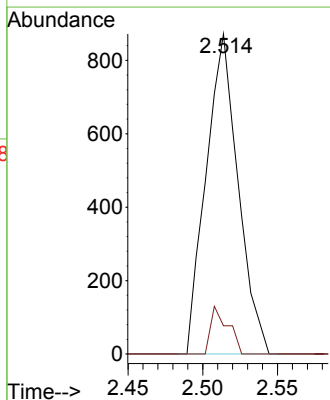
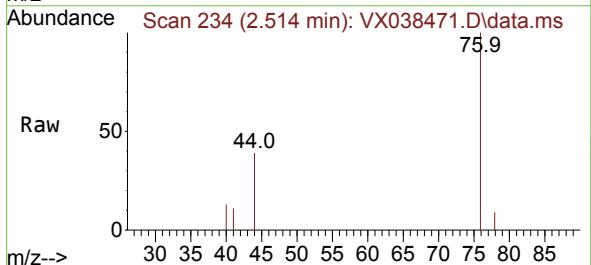


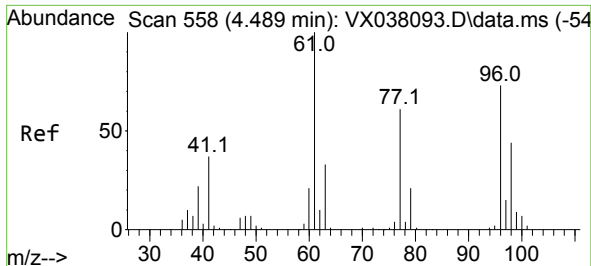
Tgt Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
58 40.7 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.278 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

Tgt Ion: 76 Resp: 1299
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6





#27

cis-1,2-Dichloroethene

Concen: 0.497 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.018 min

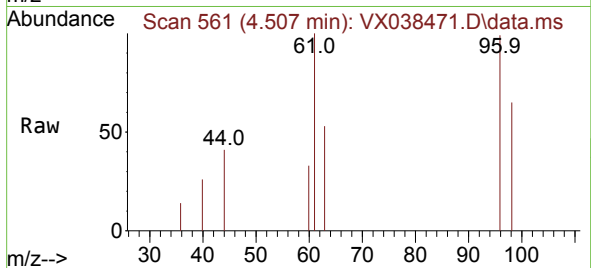
Lab File: VX038471.D

Acq: 25 Oct 2023 11:52

Instrument :

MSVOA_X

ClientSampleId :



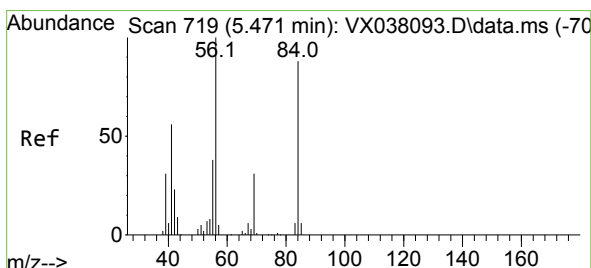
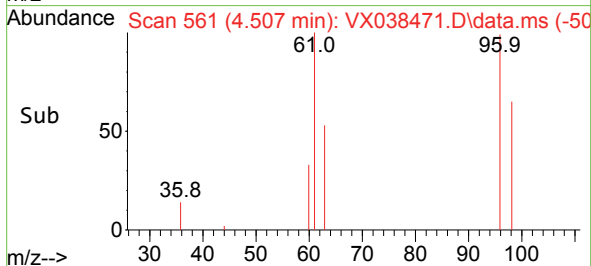
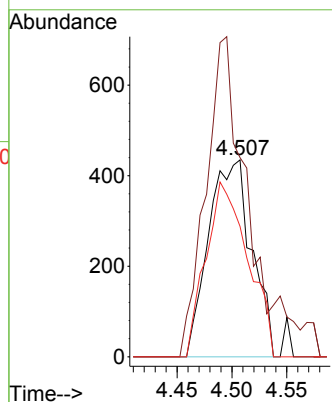
Tgt Ion: 96 Resp: 1189

Ion Ratio Lower Upper

96 100

61 163.0 0.0 312.2

98 86.5 0.0 129.0



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX038471.D

Acq: 25 Oct 2023 11:52

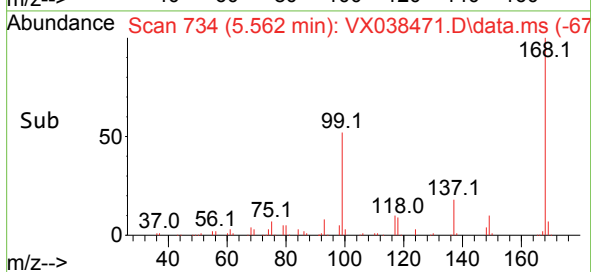
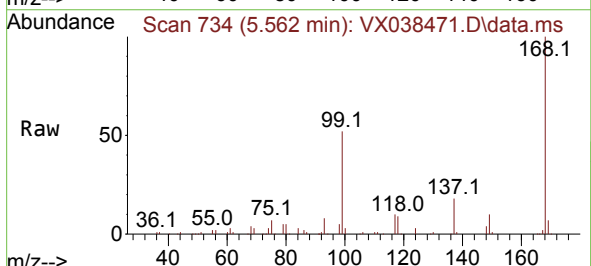
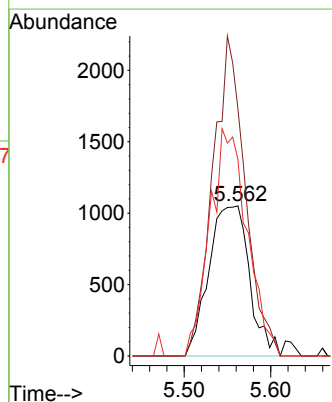
Tgt Ion: 56 Resp: 3425

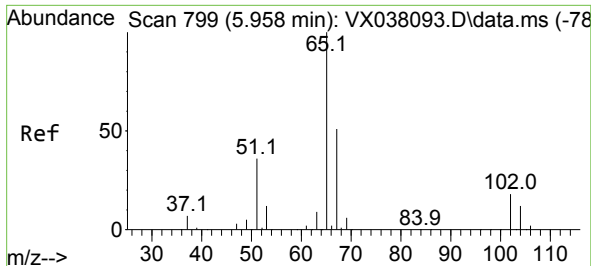
Ion Ratio Lower Upper

56 100

69 164.5 23.4 35.2#

84 130.8 65.9 98.9#

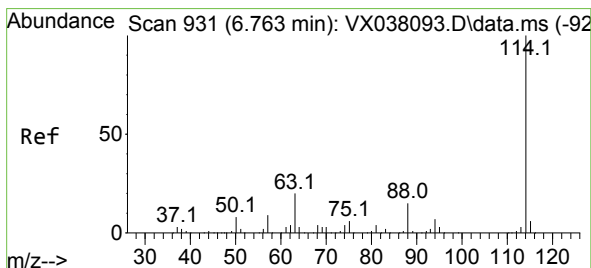
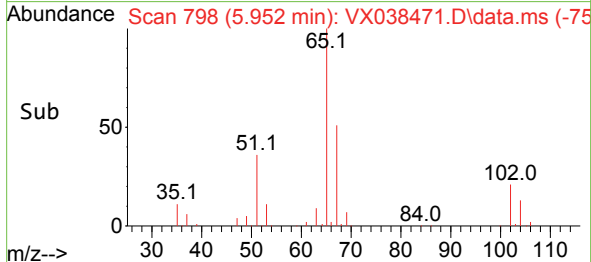
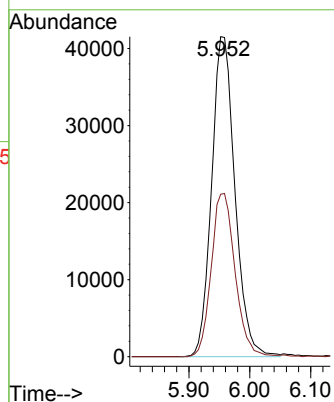
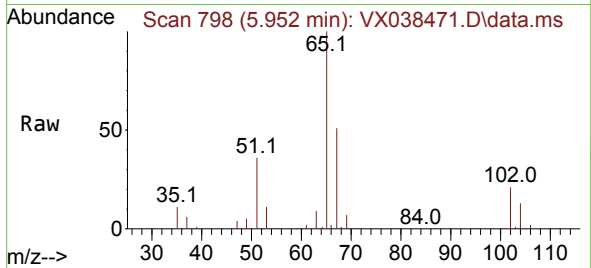




#33
 1,2-Dichloroethane-d4
 Concen: 38.792 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX038471.D
 Acq: 25 Oct 2023 11:52

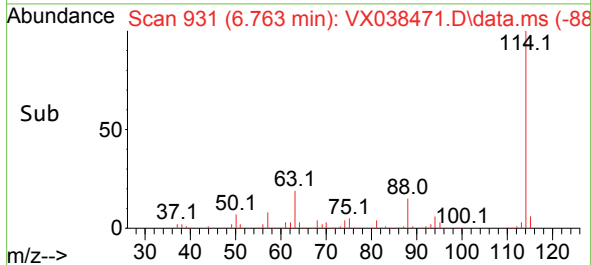
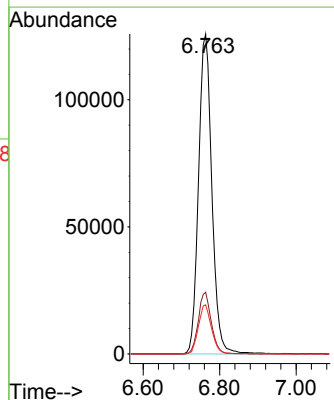
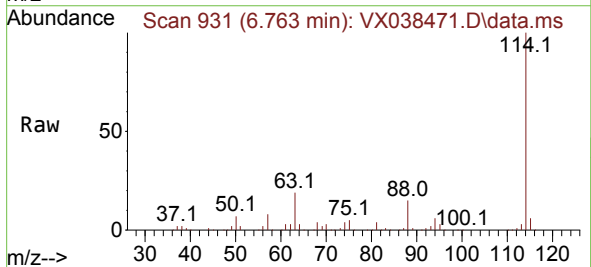
Instrument :
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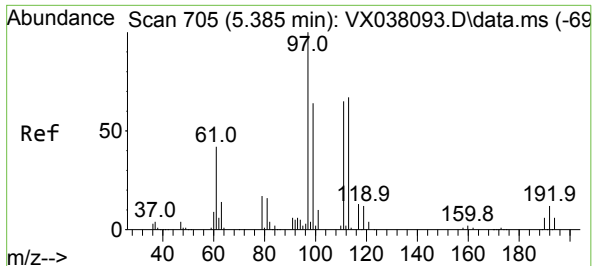
Tgt Ion: 65 Resp: 110548
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX038471.D
 Acq: 25 Oct 2023 11:52

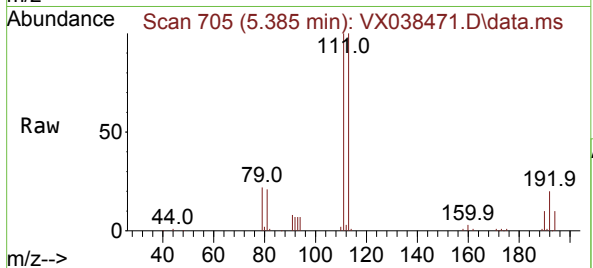
Tgt Ion: 114 Resp: 304316
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 45.0
 88 15.4 0.0 36.6



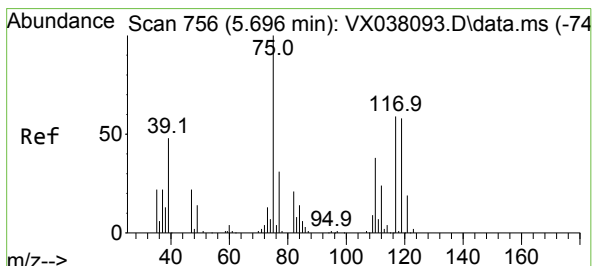
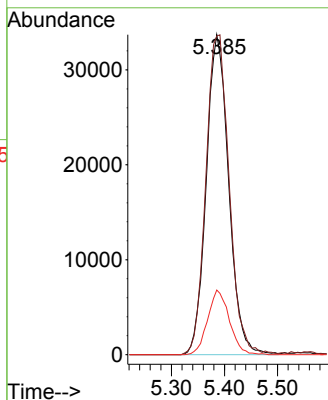
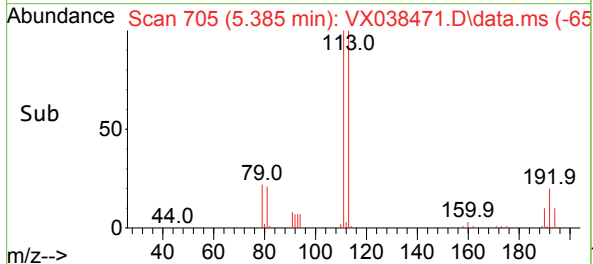


#35
Dibromofluoromethane
Concen: 45.132 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

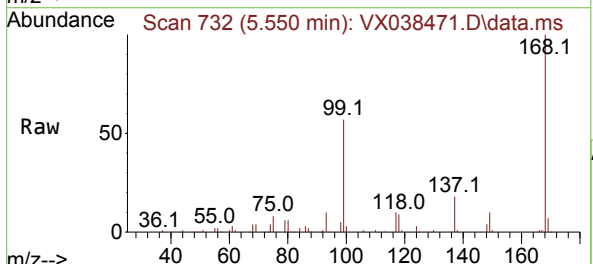
Instrument :
MSVOA_X
ClientSampleId :



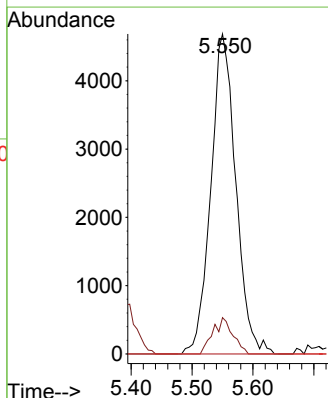
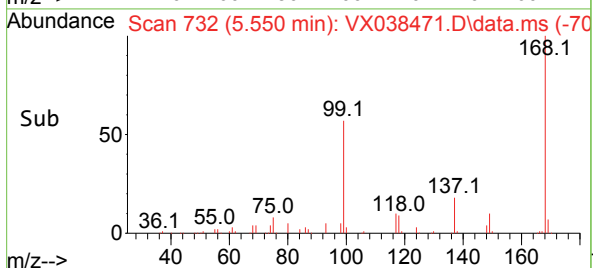
Tgt Ion:113 Resp: 98964
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 19.6 13.3 19.9

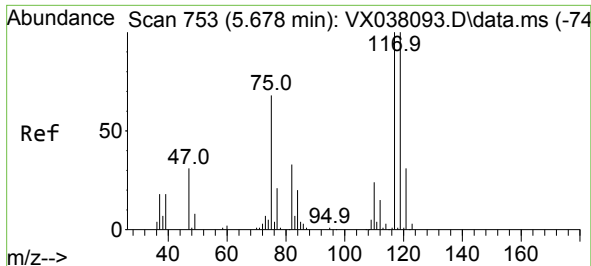


#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52



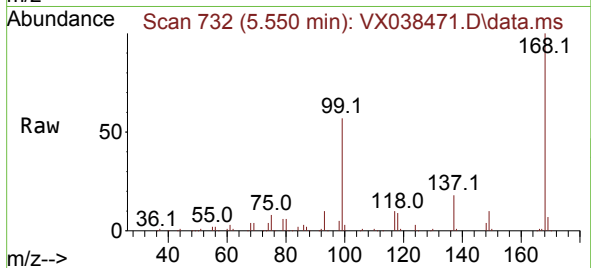
Tgt Ion: 75 Resp: 13352
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



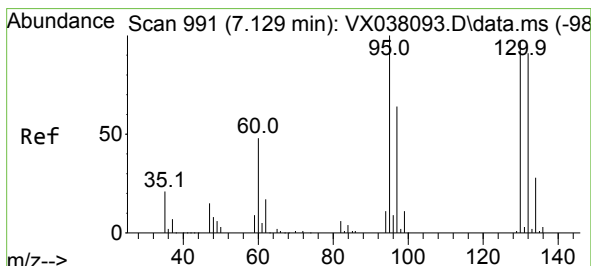
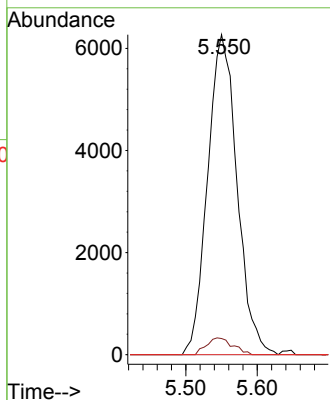
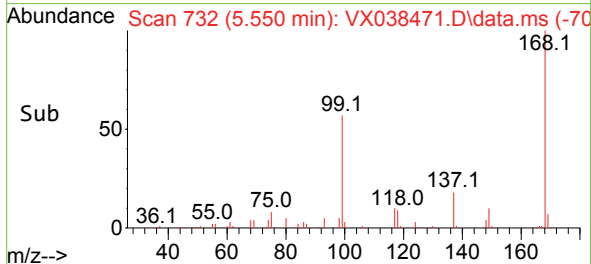


#38
Carbon Tetrachloride
Concen: 6.019 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

Instrument :
MSVOA_X
ClientSampleId :

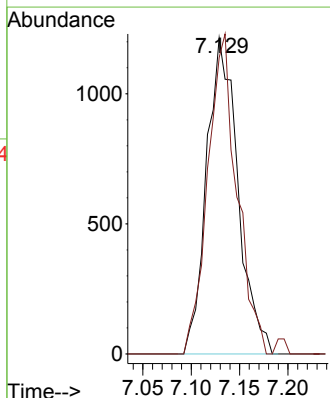
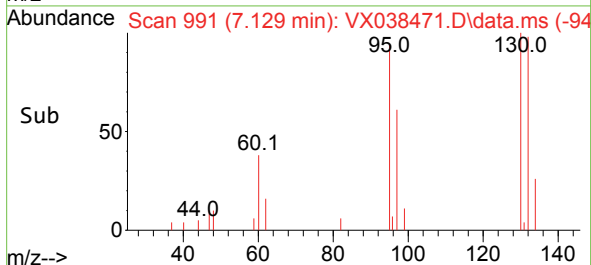
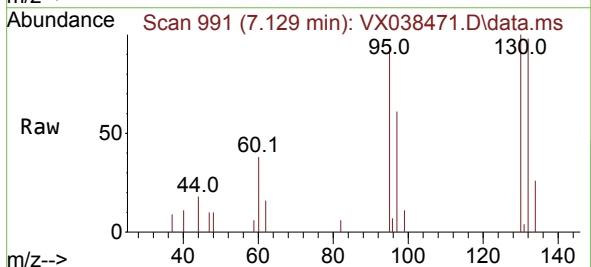


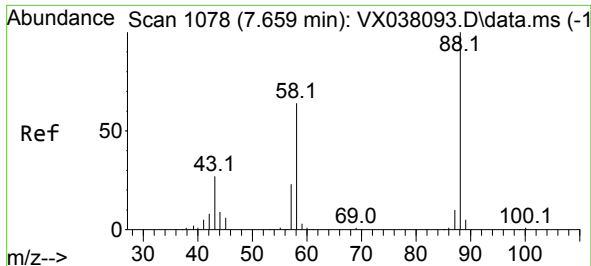
Tgt Ion:117 Resp: 17905
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 1.235 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

Tgt Ion:130 Resp: 2732
Ion Ratio Lower Upper
130 100
95 93.7 0.0 204.4

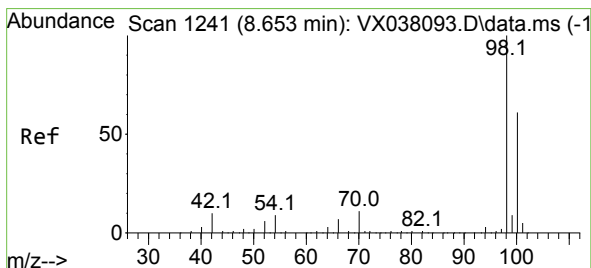
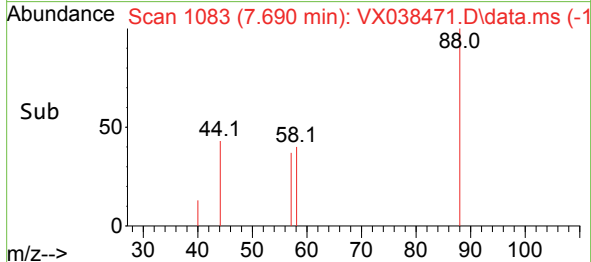
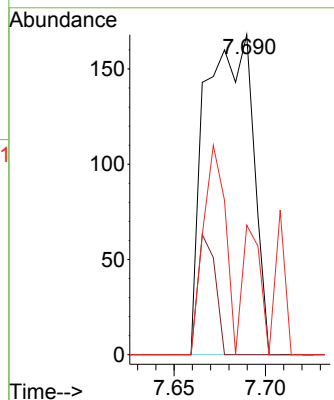
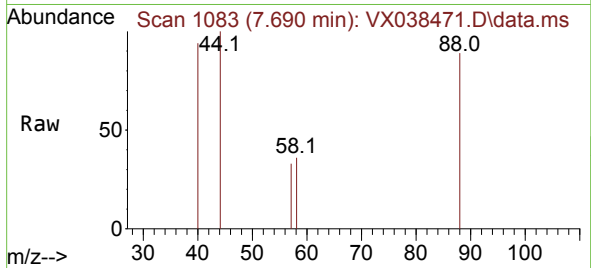




#49
1,4-Dioxane
Concen: 4.836 ug/l
RT: 7.690 min Scan# 1078
Delta R.T. 0.031 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

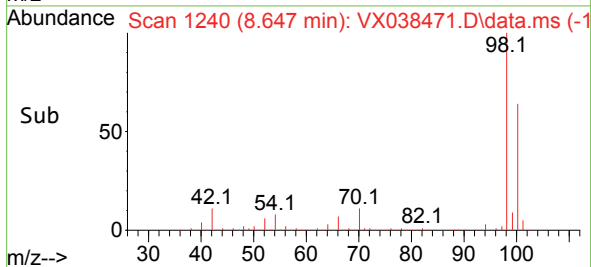
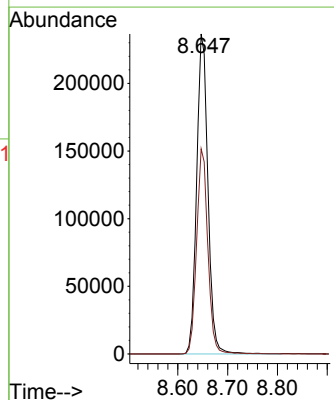
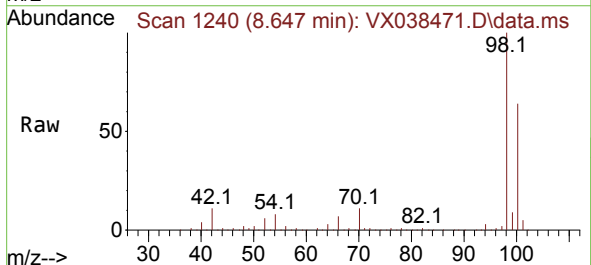
Instrument :
MSVOA_X
ClientSampleId :

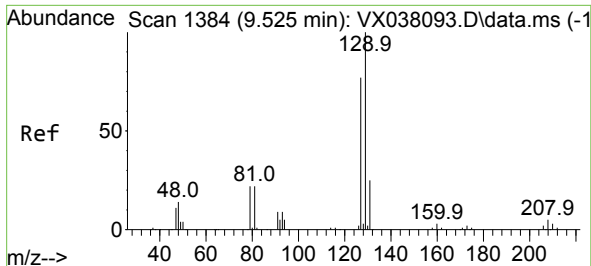
Tgt Ion: 88 Resp: 305
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 15.1 60.1 90.1#



#50
Toluene-d8
Concen: 44.247 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

Tgt Ion: 98 Resp: 370753
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7

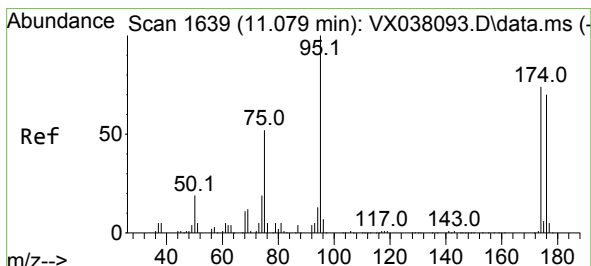
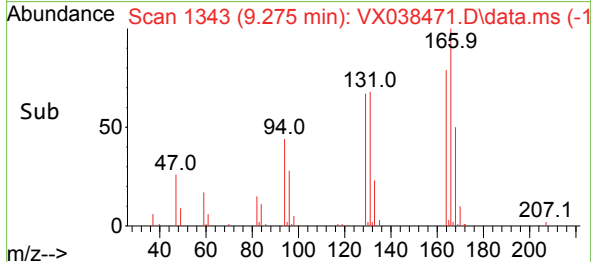
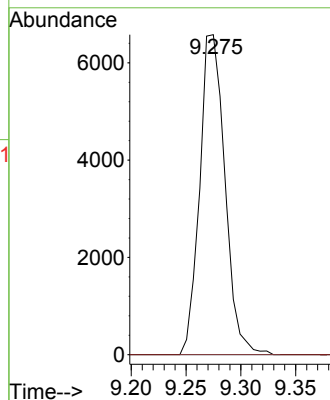
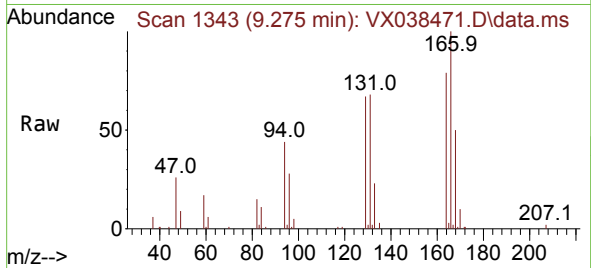




#60
Dibromochloromethane
Concen: 4.577 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

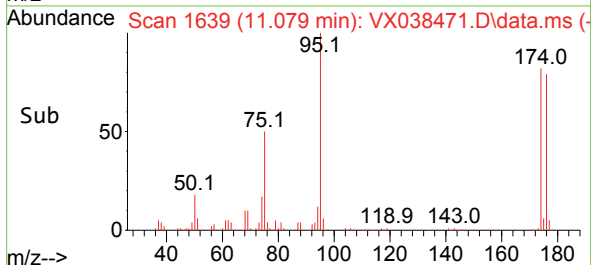
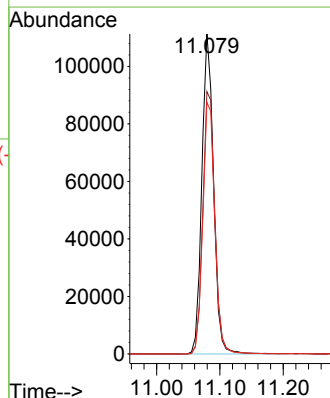
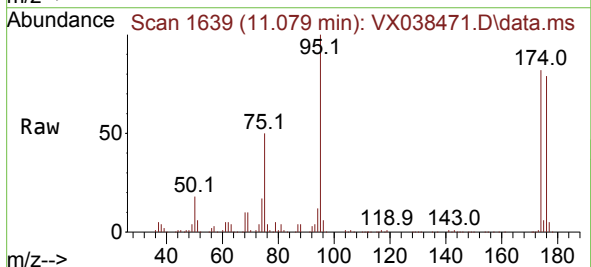
Instrument :
MSVOA_X
ClientSampleId :

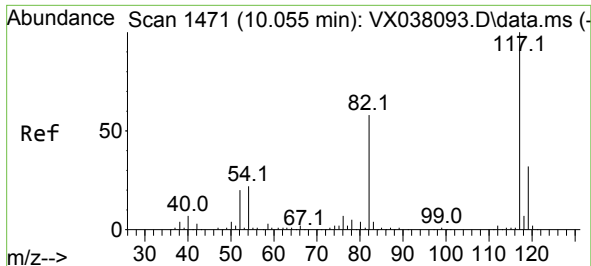
Tgt Ion:129 Resp: 10556
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 44.993 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

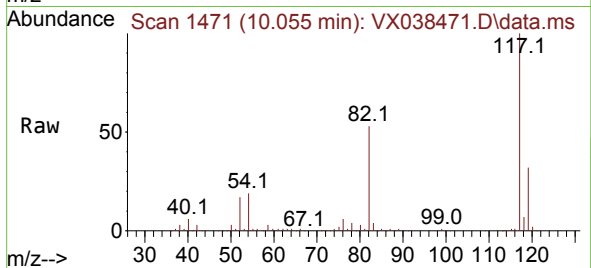
Tgt Ion: 95 Resp: 142926
Ion Ratio Lower Upper
95 100
174 85.0 0.0 135.6
176 80.9 0.0 131.0



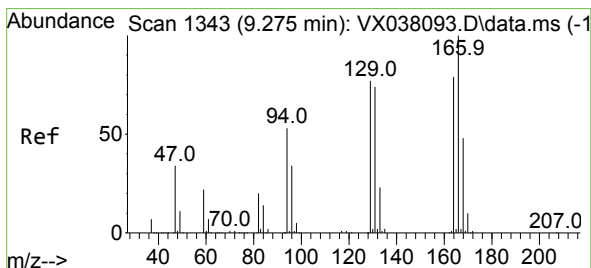
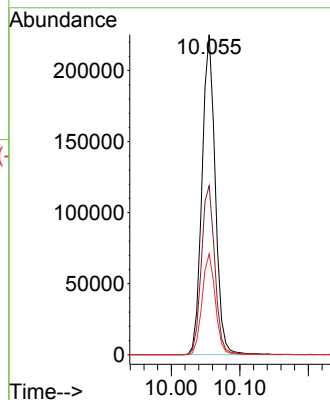
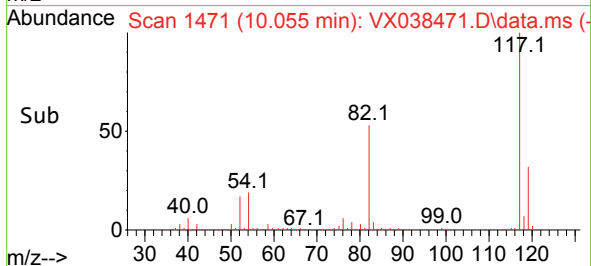


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

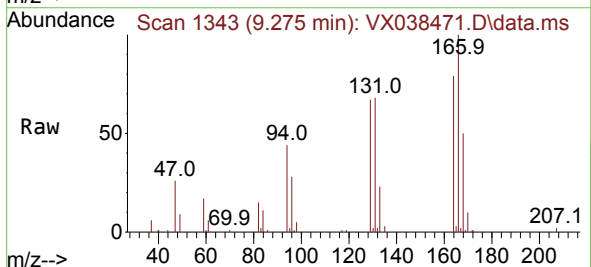
Instrument :
MSVOA_X
ClientSampleId :



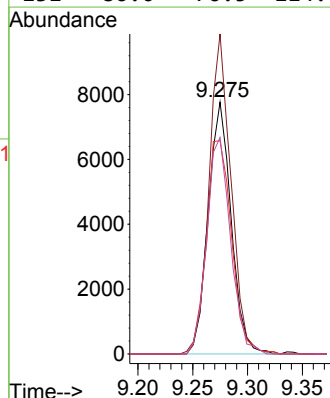
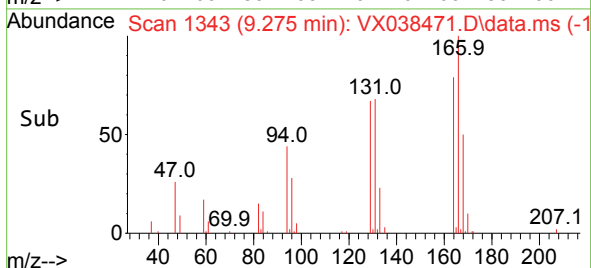
Tgt Ion:117 Resp: 303555
Ion Ratio Lower Upper
117 100
82 52.8 46.2 69.4
119 31.5 25.5 38.3

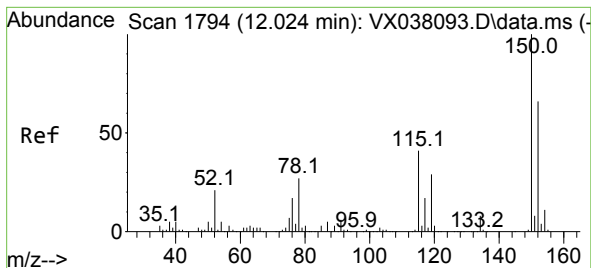


#64
Tetrachloroethene
Concen: 5.773 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52



Tgt Ion:164 Resp: 11345
Ion Ratio Lower Upper
164 100
166 127.0 102.7 154.1
129 84.7 80.4 120.6
131 86.0 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038471.D

Acq: 25 Oct 2023 11:52

Instrument :

MSVOA_X

ClientSampleId :

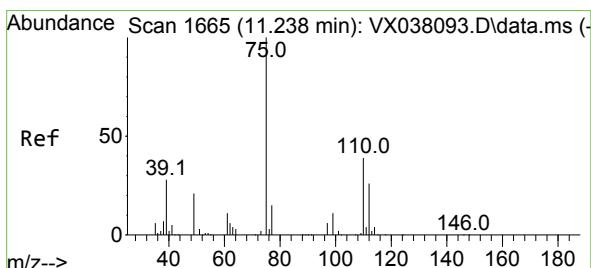
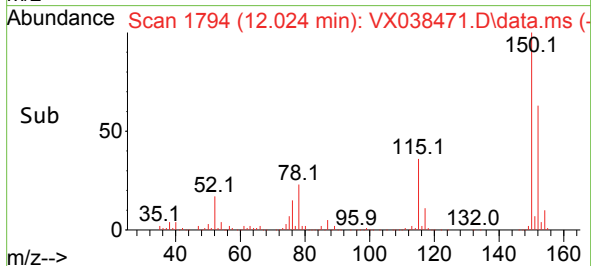
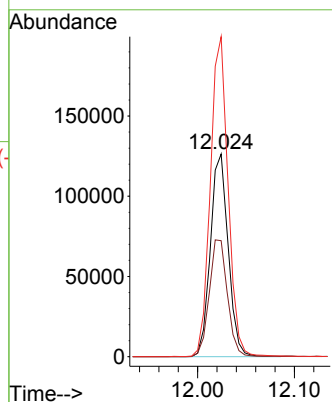
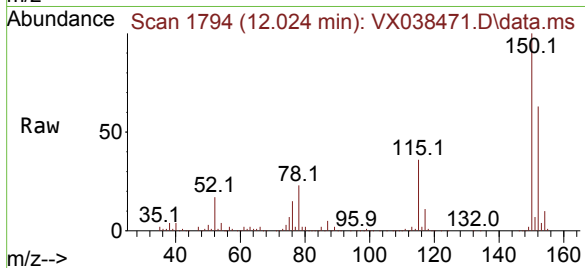
Tgt Ion:152 Resp: 162052

Ion Ratio Lower Upper

152 100

115 59.0 43.3 129.9

150 157.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 19.628 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038471.D

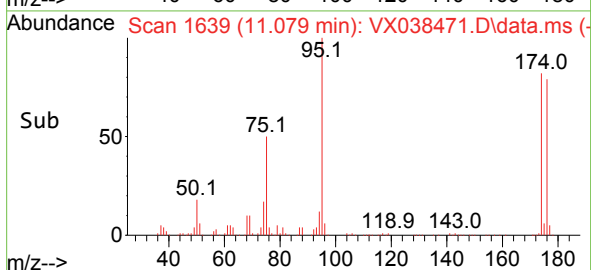
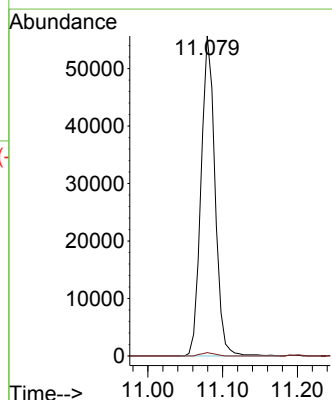
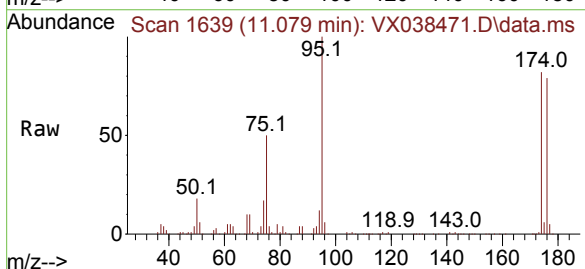
Acq: 25 Oct 2023 11:52

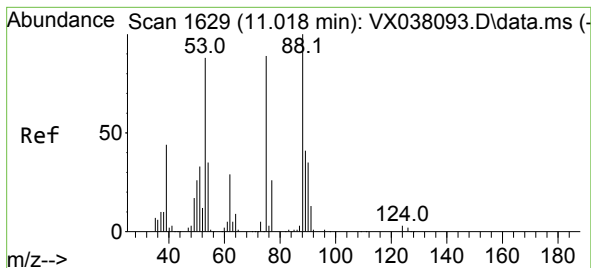
Tgt Ion: 75 Resp: 72311

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

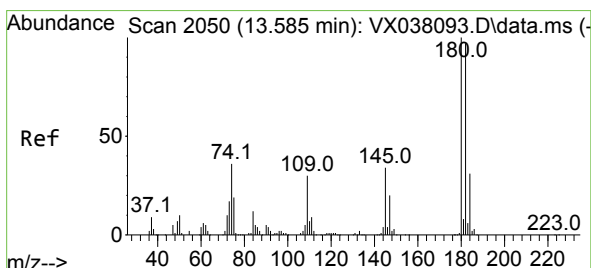
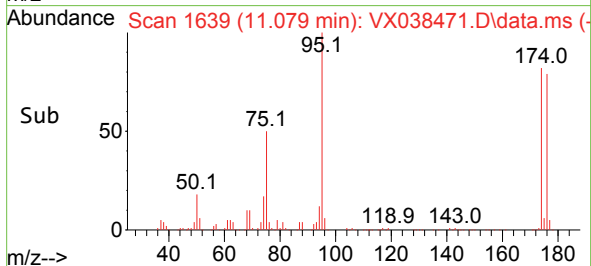
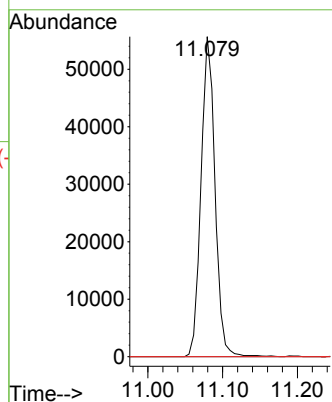
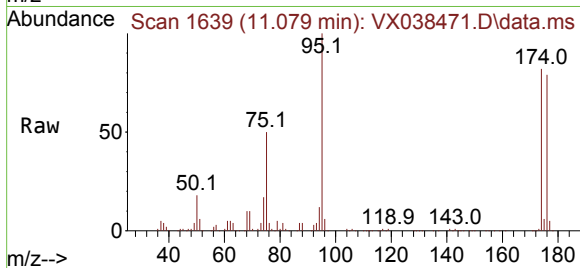




#81
trans-1,4-Dichloro-2-butene
Concen: 56.723 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

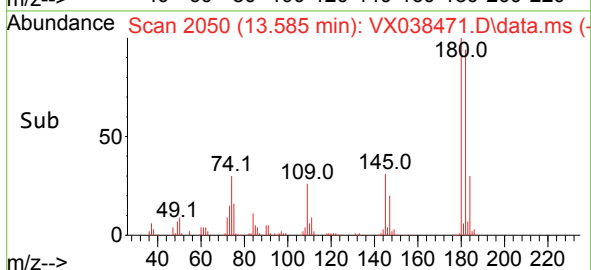
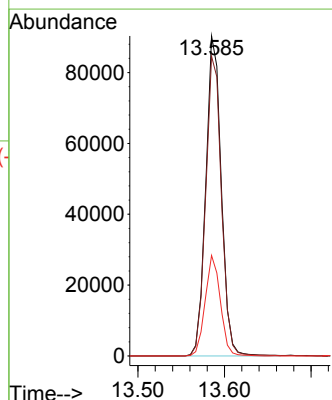
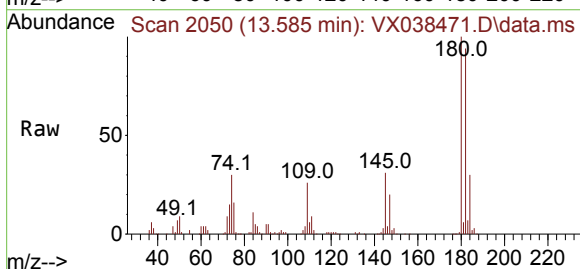
Instrument :
MSVOA_X
ClientSampleId :

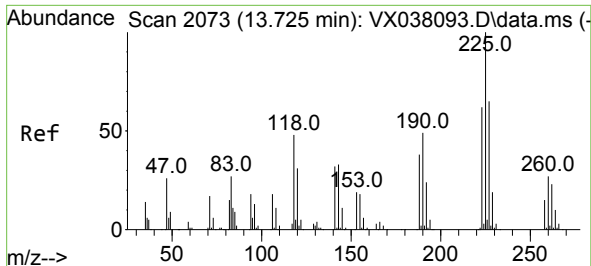
Tgt Ion: 75 Resp: 72311
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 32.672 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

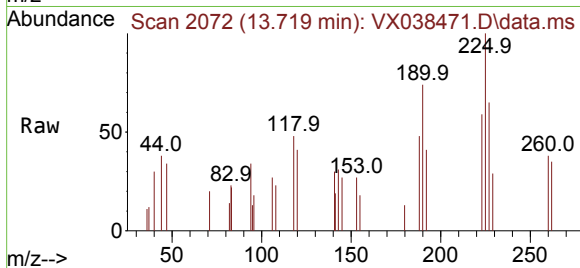
Tgt Ion:180 Resp: 112255
Ion Ratio Lower Upper
180 100
182 95.2 48.3 144.8
145 30.8 18.0 54.0



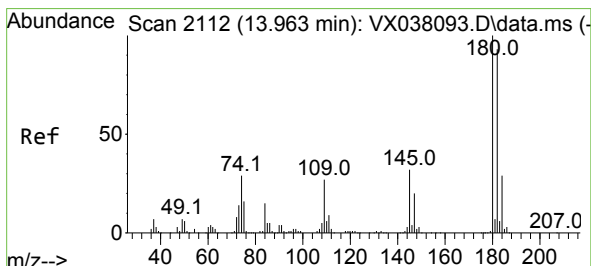
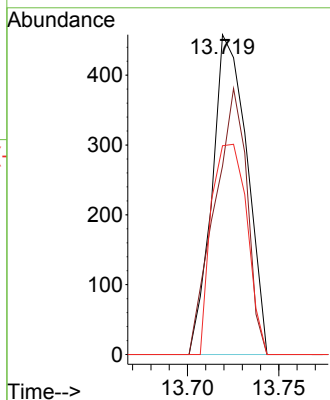
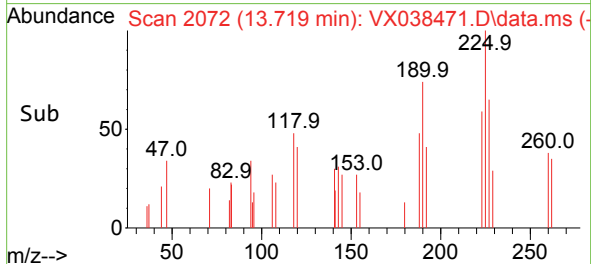


#94
Hexachlorobutadiene
Concen: 0.437 ug/l
RT: 13.719 min Scan# 2073
Delta R.T. -0.006 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52

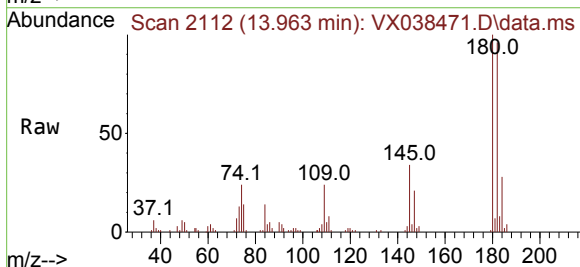
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:225 Resp: 605
Ion Ratio Lower Upper
225 100
223 77.7 31.1 93.2
227 67.4 32.5 97.5



#96
1,2,3-Trichlorobenzene
Concen: 8.474 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX038471.D
Acq: 25 Oct 2023 11:52



Tgt Ion:180 Resp: 28190
Ion Ratio Lower Upper
180 100
182 96.3 46.9 140.6
145 32.8 17.8 53.5

