

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038480.D
 Acq On : 25 Oct 2023 15:20
 Operator : JC/MD
 Sample : 04980-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 04:05:45 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

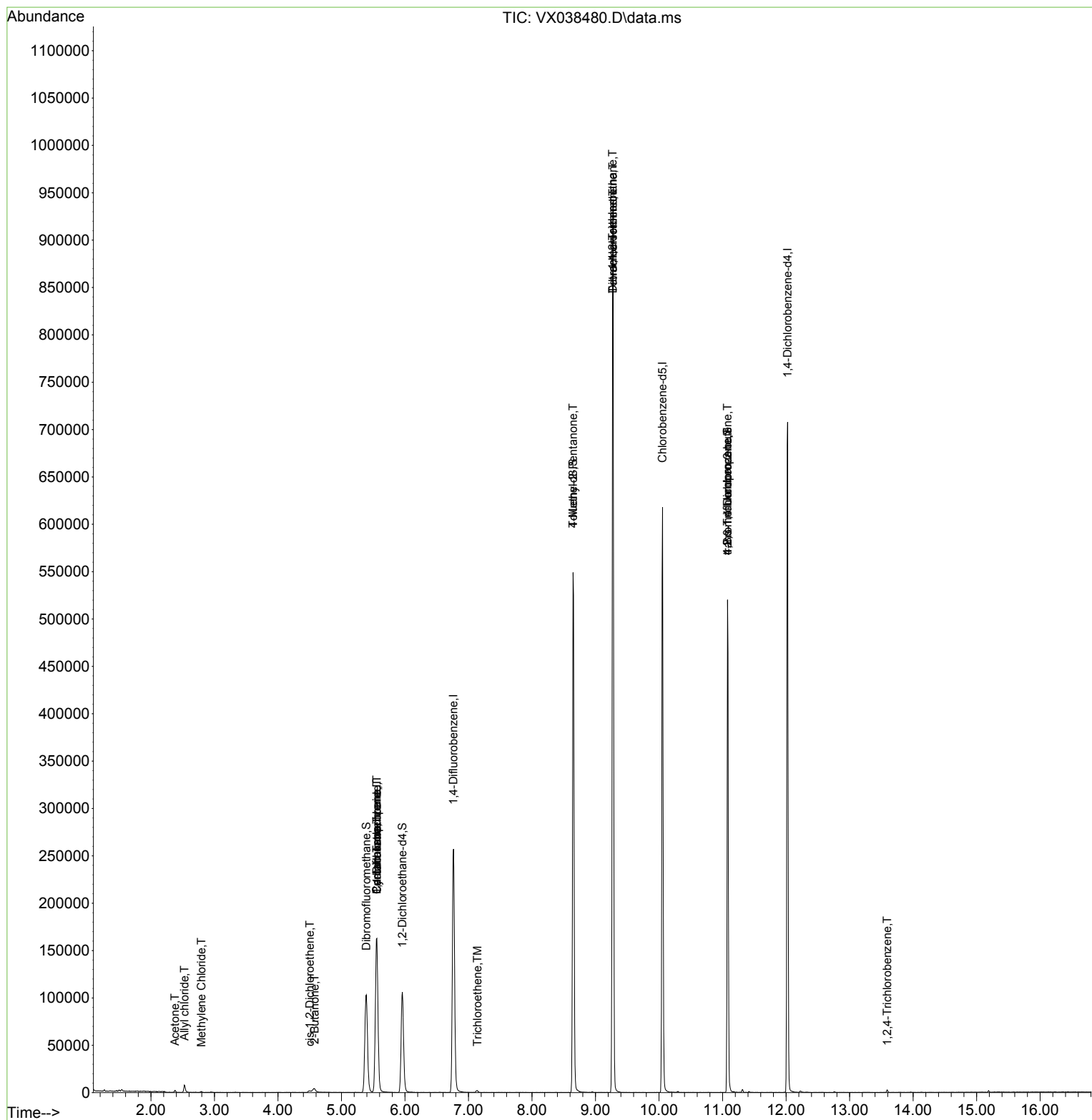
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	161847	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	280044	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	285681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103270	39.670	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.340%
35) Dibromofluoromethane	5.391	113	92270	45.726	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.460%
50) Toluene-d8	8.647	98	344276	44.648	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.300%#
62) 4-Bromofluorobenzene	11.079	95	133988	45.835	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.660%
Target Compounds						
					Qvalue	
5) Bromomethane	1.794	94	20	Below Cal	#	3
6) Chloroethane	1.672	64	55	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	432	Below Cal	#	78
14) Allyl chloride	2.526	41	843	0.318	ug/l	# 85
16) Acetone	2.380	43	1854	1.706	ug/l	# 86
20) Methylene Chloride	2.794	84	470	0.230	ug/l	# 75
25) 2-Butanone	4.574	43	383	0.218	ug/l	# 51
27) cis-1,2-Dichloroethene	4.501	96	1451	0.665	ug/l	77
31) Cyclohexane	5.556	56	3210	1.138	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	11986	4.307	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	16018	5.852	ug/l	# 15
44) Trichloroethene	7.141	130	923	0.453	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	1339	0.393	ug/l	# 1
55) 1,1,2-Trichloroethane	9.269	97	1514	0.698	ug/l	# 20
60) Dibromochloromethane	9.275	129	165834	78.137	ug/l	# 11
64) Tetrachloroethene	9.275	164	170913	92.415	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	69261	19.614	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	69261	56.685	ug/l	# 5
93) 1,2,4-Trichlorobenzene	13.591	180	832	0.253	ug/l	93

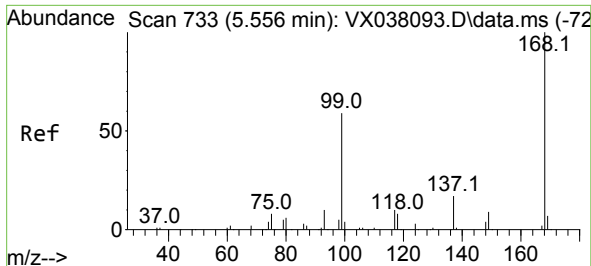
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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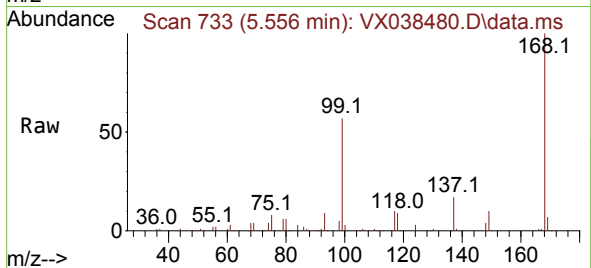
Quant Time: Oct 26 04:05:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



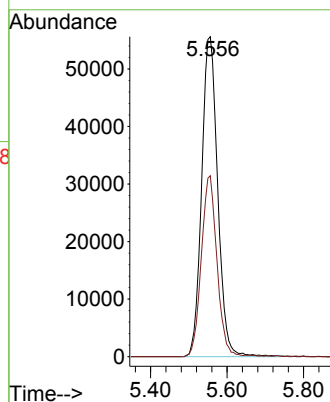
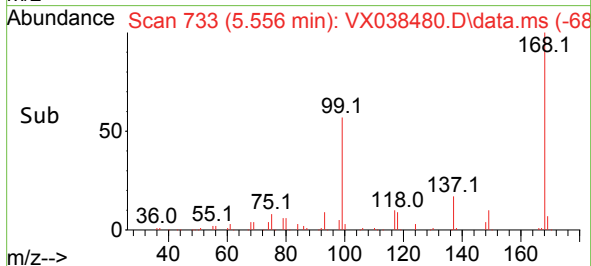


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

Instrument :
MSVOA_X
ClientSampleId :

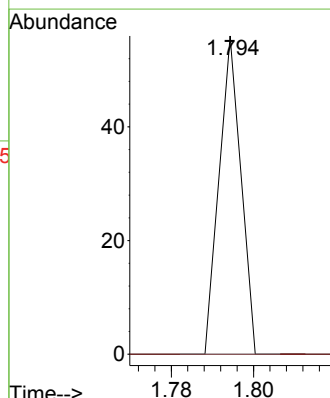
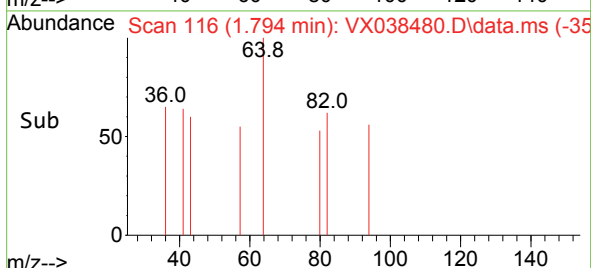
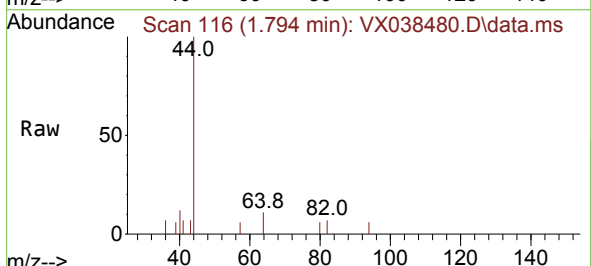


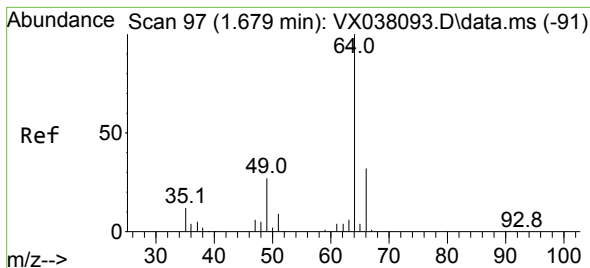
Tgt Ion:168 Resp: 161847
Ion Ratio Lower Upper
168 100
99 56.6 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.794 min Scan# 116
Delta R.T. 0.195 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.672 min Scan# 91

Delta R.T. -0.007 min

Lab File: VX038480.D

Acq: 25 Oct 2023 15:20

Instrument :

MSVOA_X

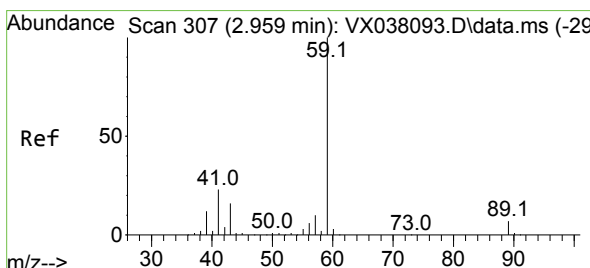
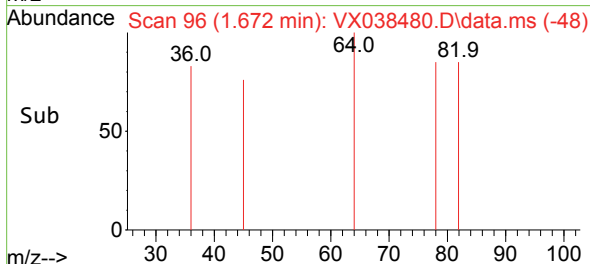
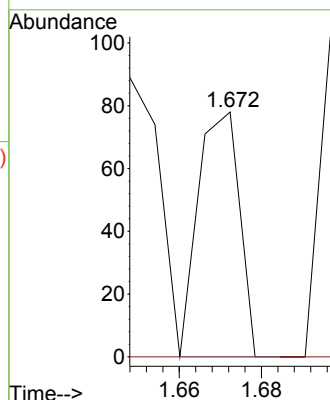
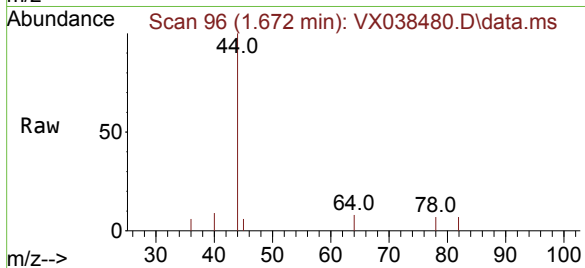
ClientSampleId :

Tgt Ion: 64 Resp: 55

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: VX038480.D

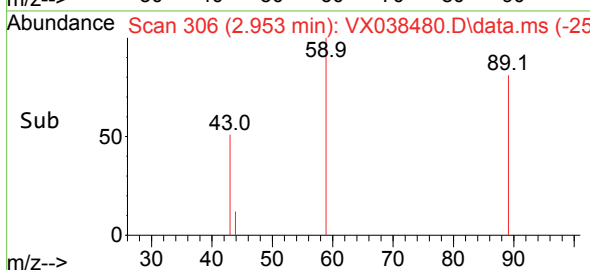
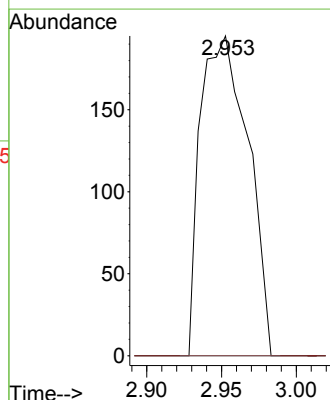
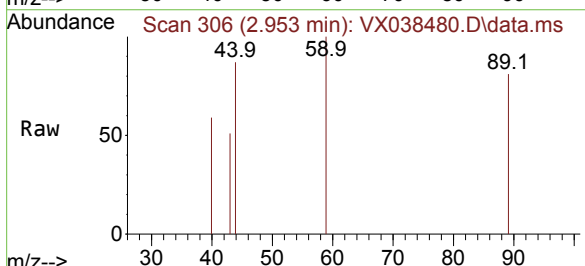
Acq: 25 Oct 2023 15:20

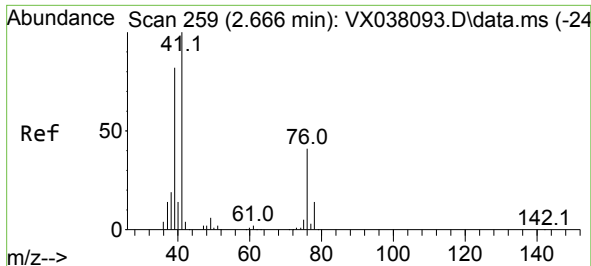
Tgt Ion: 59 Resp: 432

Ion Ratio Lower Upper

59 100

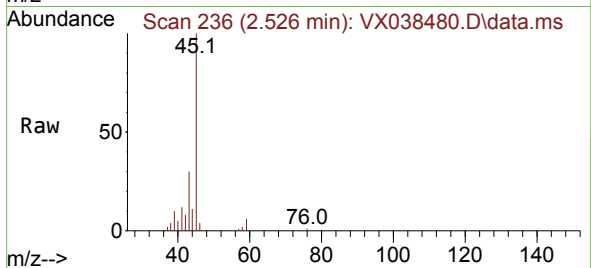
57 0.0 6.0 9.0#



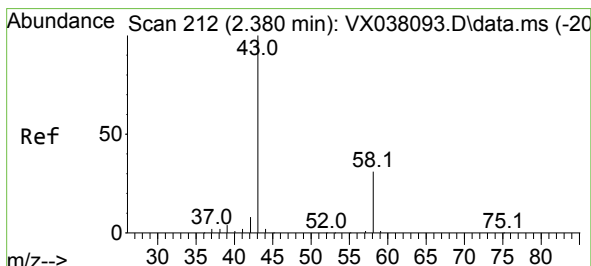
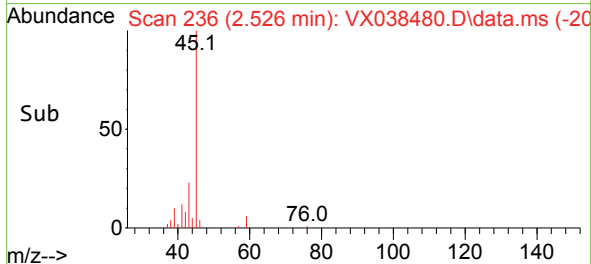
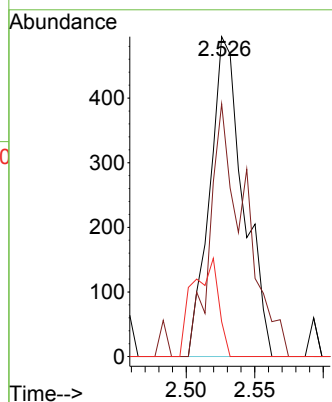


#14
 Allyl chloride
 Concen: 0.318 ug/l
 RT: 2.526 min Scan# 21
 Delta R.T. -0.134 min
 Lab File: VX038480.D
 Acq: 25 Oct 2023 15:20

Instrument :
 MSVOA_X
 ClientSampleId :

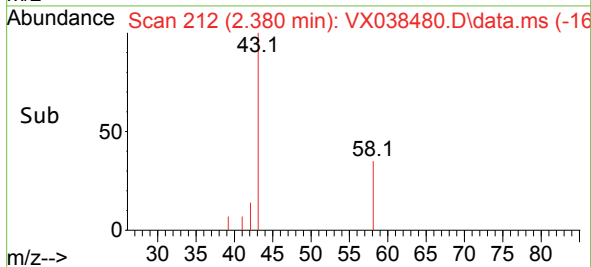
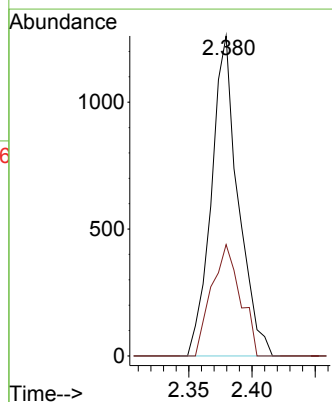
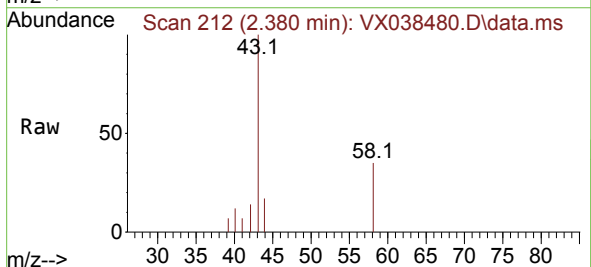


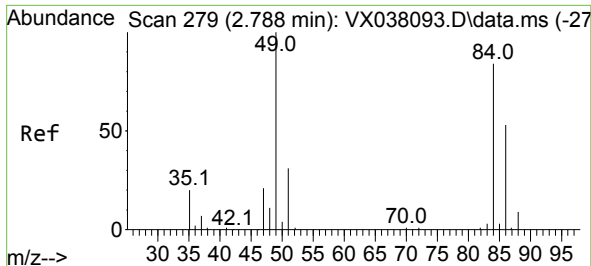
Tgt Ion: 41 Resp: 843
 Ion Ratio Lower Upper
 41 100
 39 82.4 55.8 83.6
 76 23.6 24.3 36.5#



#16
 Acetone
 Concen: 1.706 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX038480.D
 Acq: 25 Oct 2023 15:20

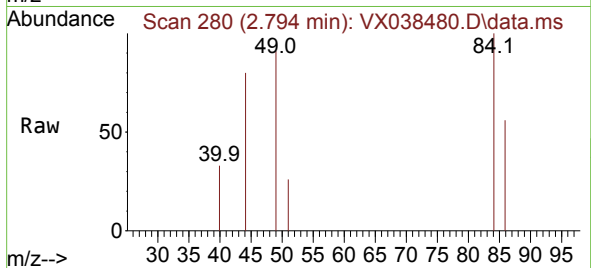
Tgt Ion: 43 Resp: 1854
 Ion Ratio Lower Upper
 43 100
 58 34.8 21.9 32.9#



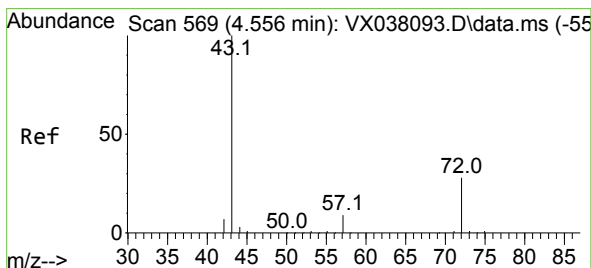
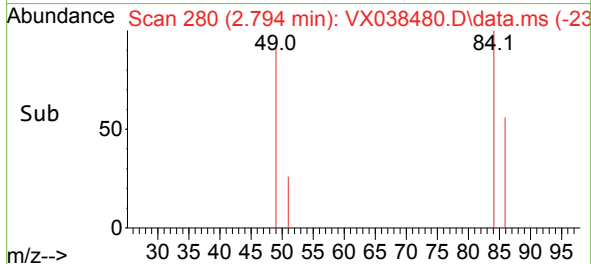
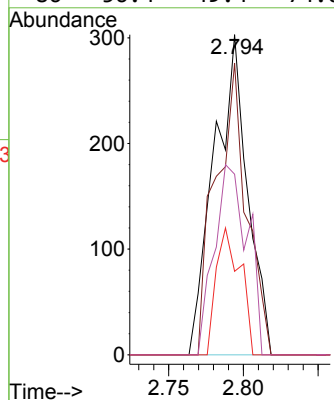


#20
Methylene Chloride
Concen: 0.230 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

Instrument :
MSVOA_X
ClientSampleId :

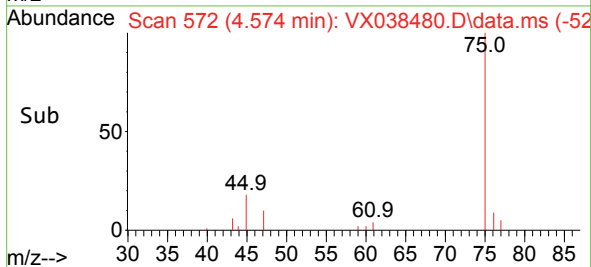
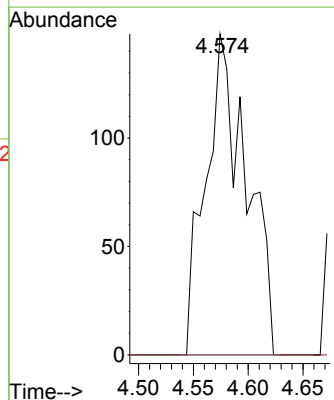
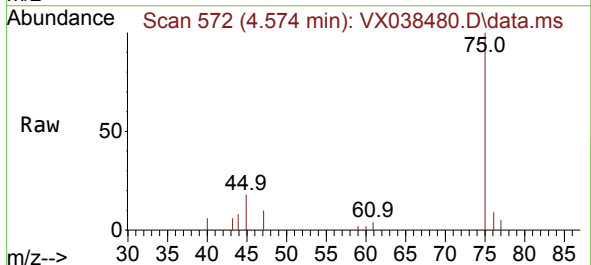


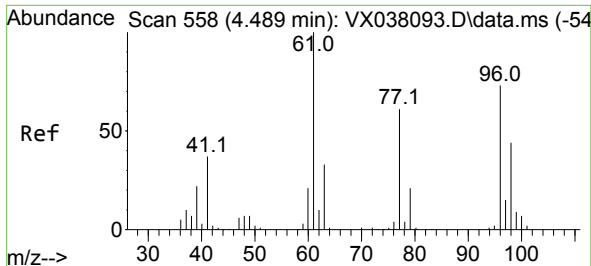
Tgt Ion: 84	Resp: 470
Ion Ratio	Lower Upper
84 100	
49 91.1	103.6 155.4#
51 26.1	33.8 50.6#
86 56.4	49.4 74.0



#25
2-Butanone
Concen: 0.218 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

Tgt Ion: 43	Resp: 383		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	19.4	29.2#	





#27

cis-1,2-Dichloroethene

Concen: 0.665 ug/l

RT: 4.501 min Scan# 50

Delta R.T. 0.012 min

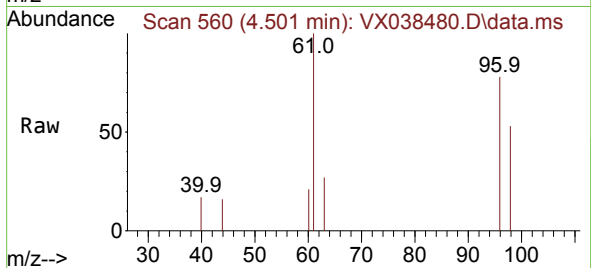
Lab File: VX038480.D

Acq: 25 Oct 2023 15:20

Instrument :

MSVOA_X

ClientSampleId :



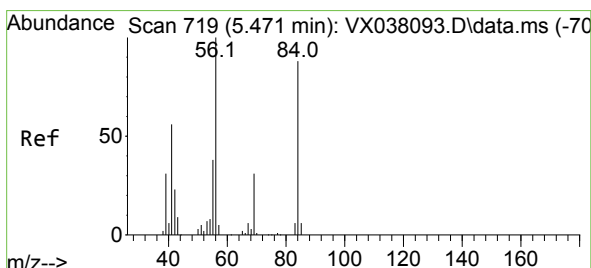
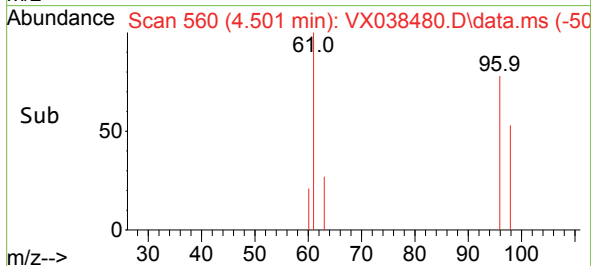
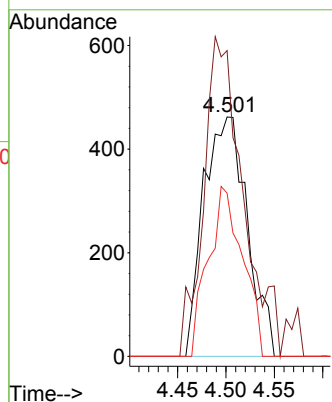
Tgt Ion: 96 Resp: 1451

Ion Ratio Lower Upper

96 100

61 119.9 0.0 312.2

98 56.1 0.0 129.0



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038480.D

Acq: 25 Oct 2023 15:20

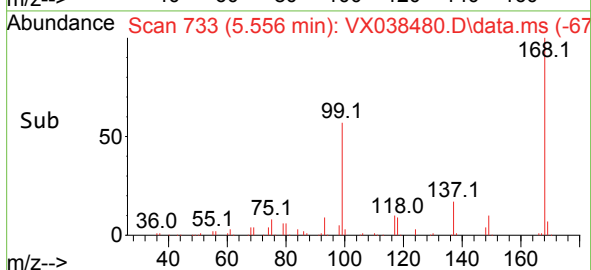
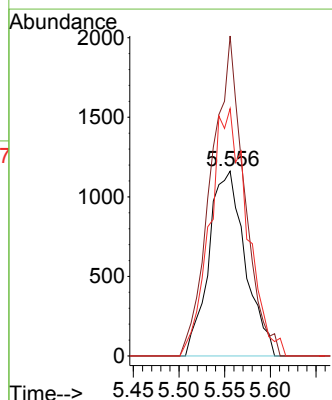
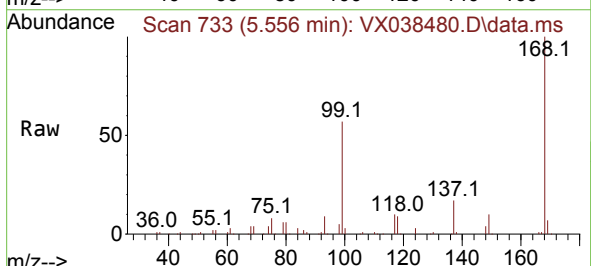
Tgt Ion: 56 Resp: 3210

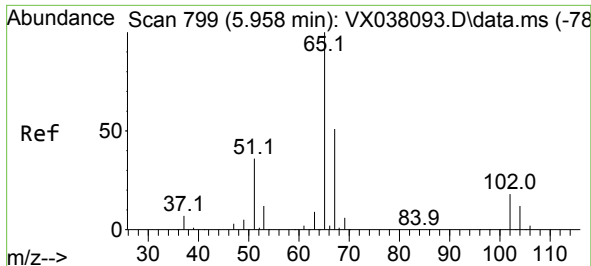
Ion Ratio Lower Upper

56 100

69 173.1 23.4 35.2#

84 133.8 65.9 98.9#

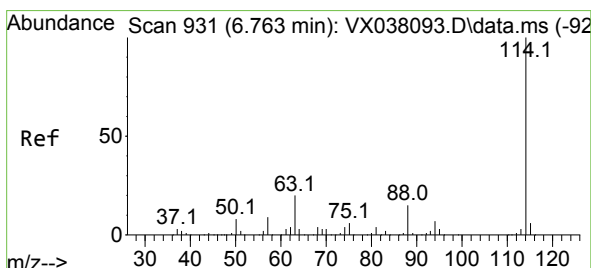
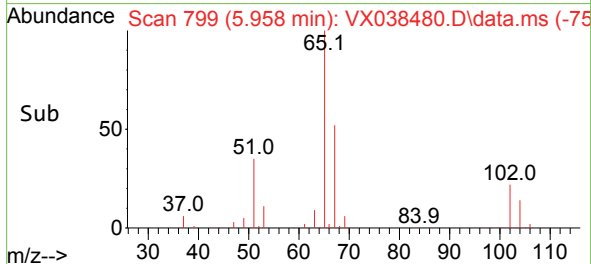
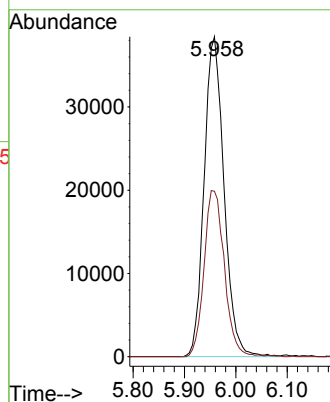
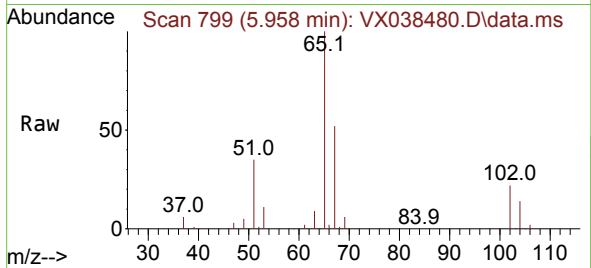




#33
1,2-Dichloroethane-d4
Concen: 39.670 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

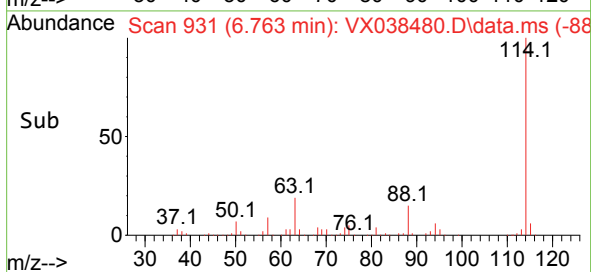
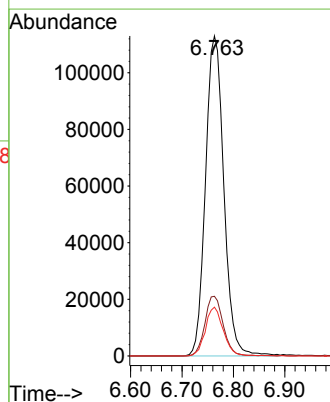
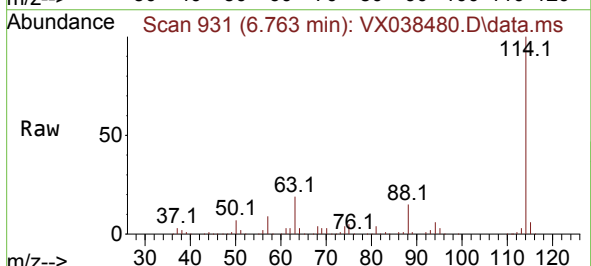
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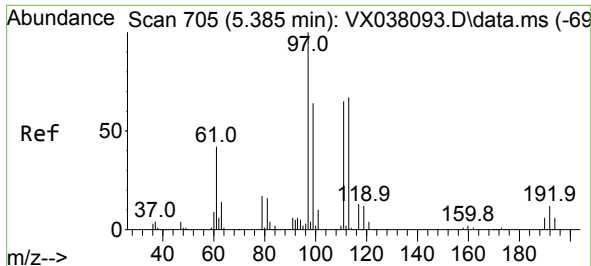
Tgt Ion: 65 Resp: 103270
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

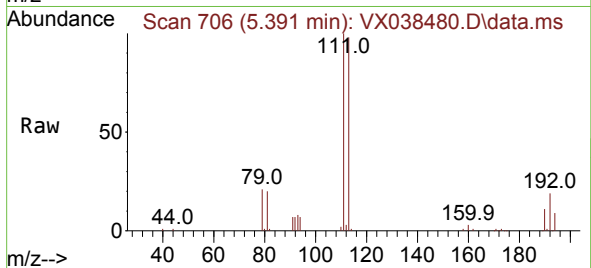
Tgt Ion:114 Resp: 280044
Ion Ratio Lower Upper
114 100
63 18.6 0.0 45.0
88 15.2 0.0 36.6



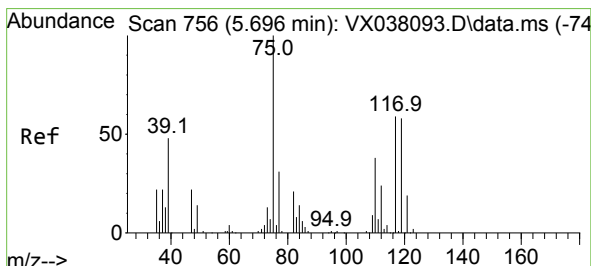
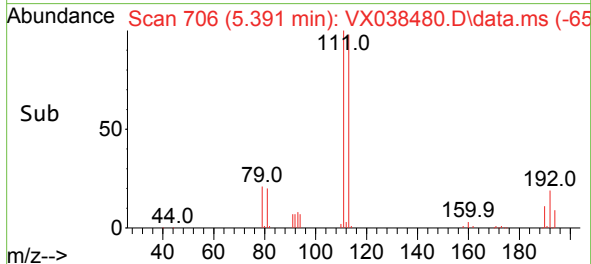
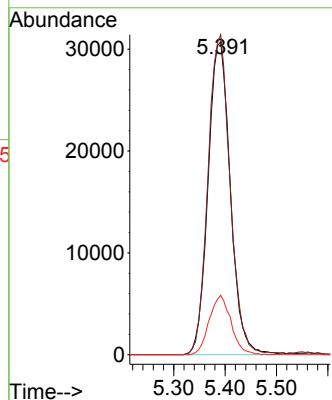


#35
Dibromofluoromethane
Concen: 45.726 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

Instrument :
MSVOA_X
ClientSampleId :

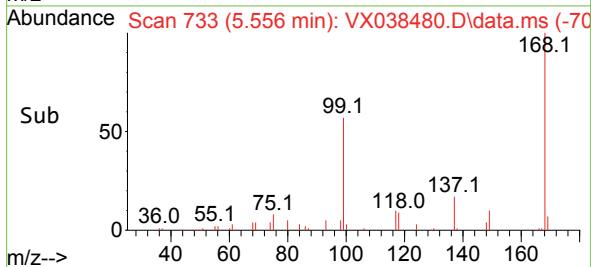
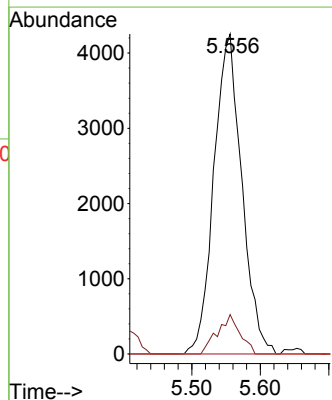
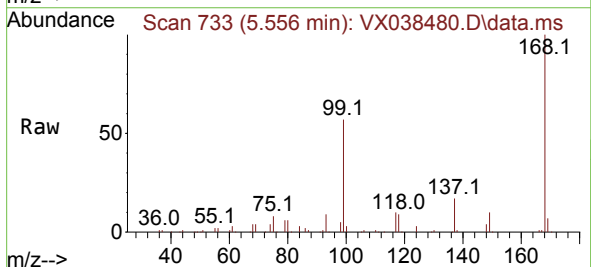


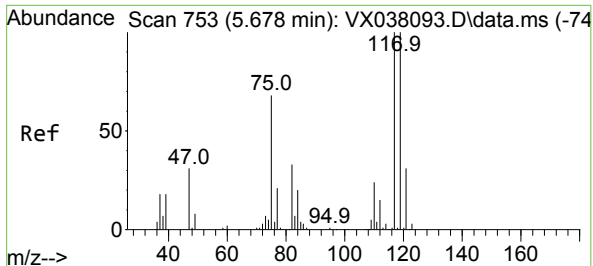
Tgt Ion:113 Resp: 92270
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.307 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

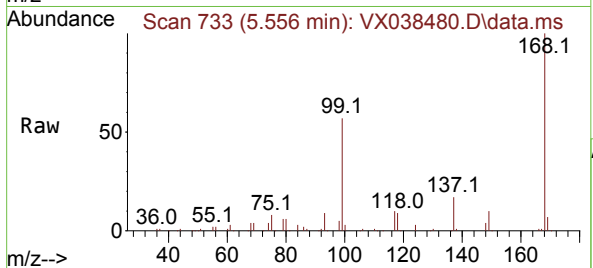
Tgt Ion: 75 Resp: 11986
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



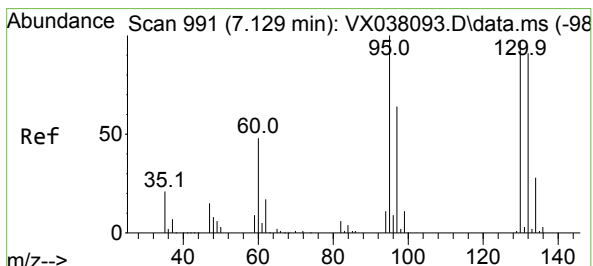
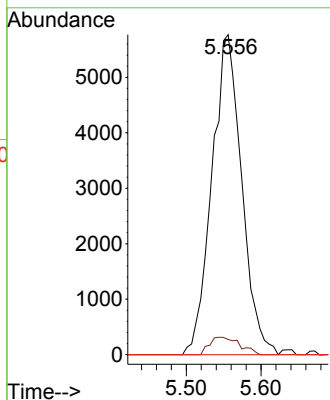
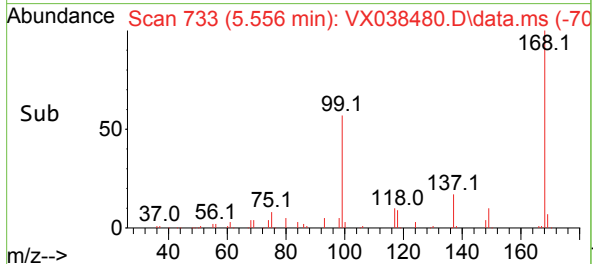


#38
Carbon Tetrachloride
Concen: 5.852 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

Instrument :
MSVOA_X
ClientSampleId :

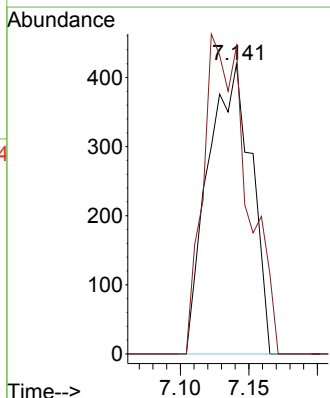
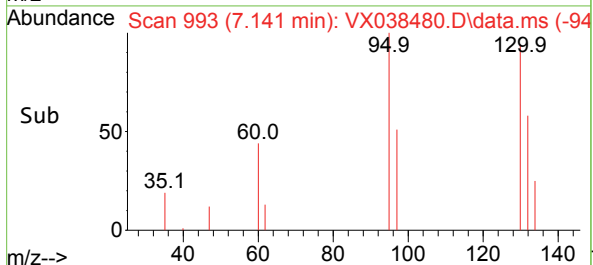
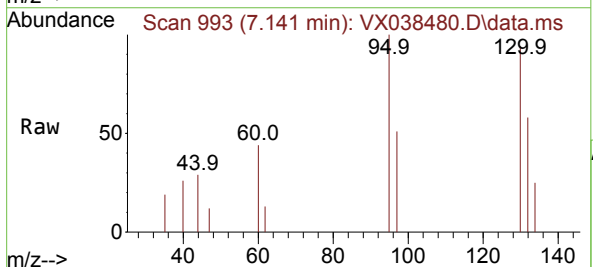


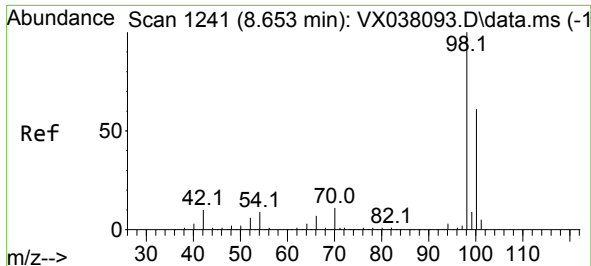
Tgt Ion:117 Resp: 16018
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.453 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

Tgt Ion:130 Resp: 923
Ion Ratio Lower Upper
130 100
95 106.2 0.0 204.4

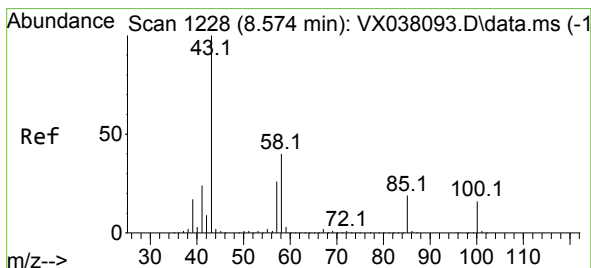
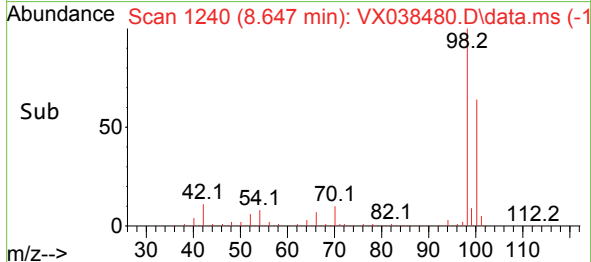
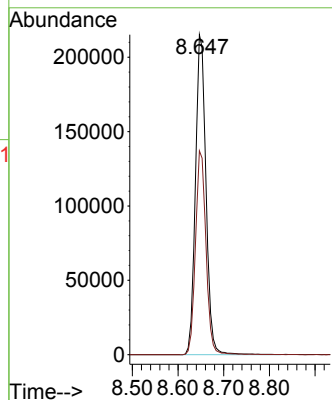
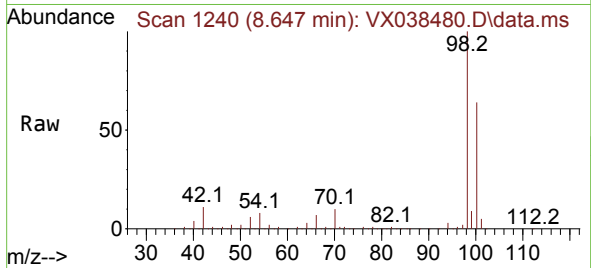




#50
Toluene-d8
Concen: 44.648 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

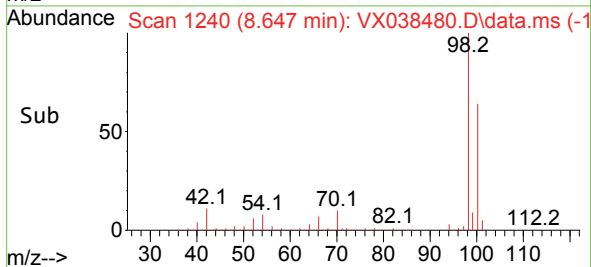
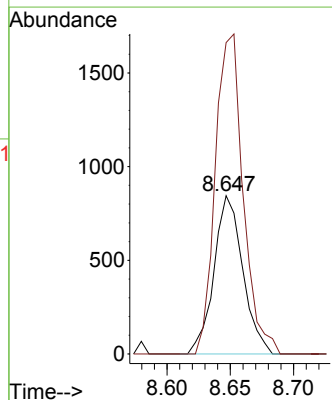
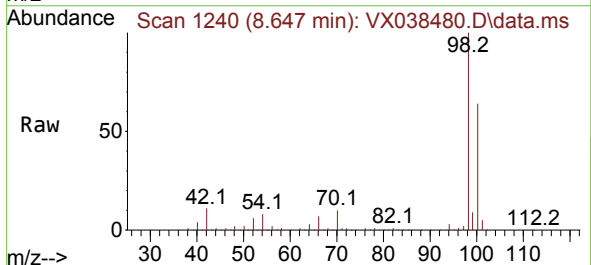
Instrument :
MSVOA_X
ClientSampleId :

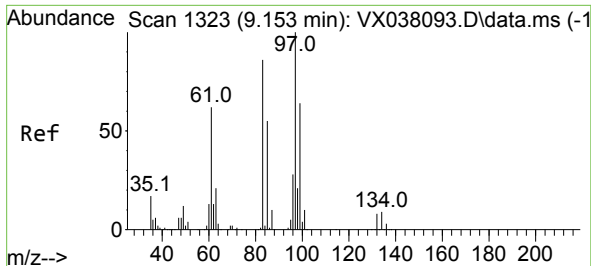
Tgt Ion: 98 Resp: 344276
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.393 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

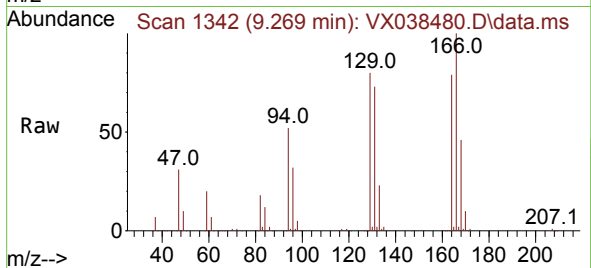
Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
58 195.2 30.4 45.6#



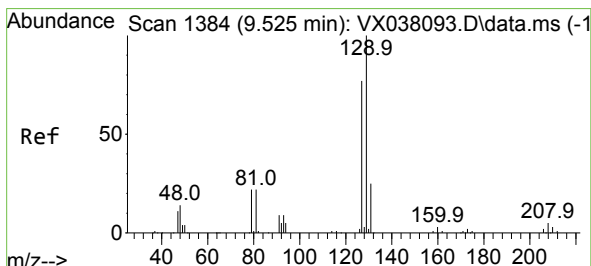
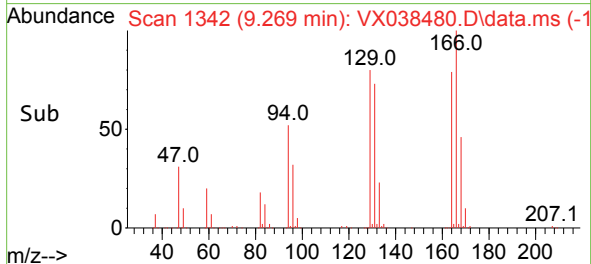
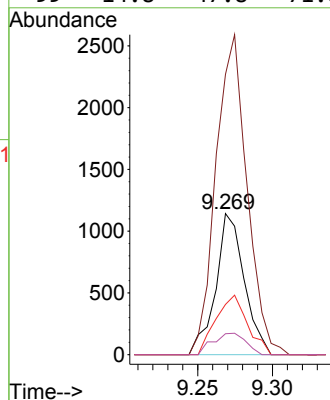


#55
 1,1,2-Trichloroethane
 Concen: 0.698 ug/l
 RT: 9.269 min Scan# 1342
 Delta R.T. 0.116 min
 Lab File: VX038480.D
 Acq: 25 Oct 2023 15:20

Instrument :
 MSVOA_X
 ClientSampleId :

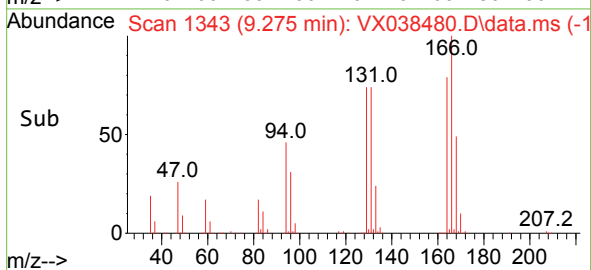
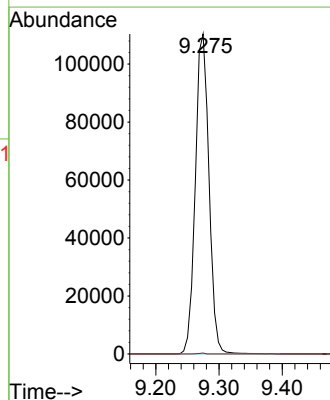
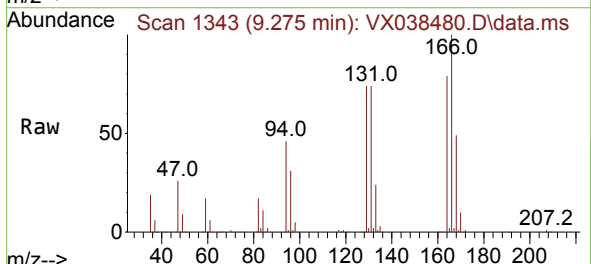


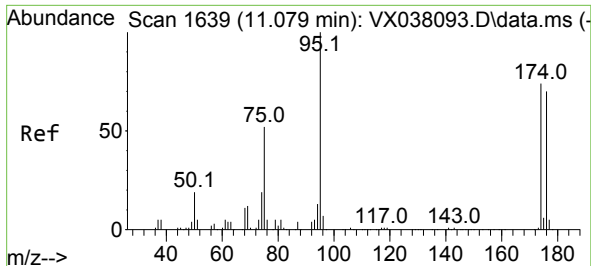
Tgt Ion: 97	Resp: 1514
Ion Ratio	Lower Upper
97	100
83	198.8 65.8 98.8#
85	35.6 41.6 62.4#
99	14.8 47.8 71.8#



#60
 Dibromochloromethane
 Concen: 78.137 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.250 min
 Lab File: VX038480.D
 Acq: 25 Oct 2023 15:20

Tgt Ion: 129	Resp: 165834
Ion Ratio	Lower Upper
129	100
127	0.1 38.8 116.4#

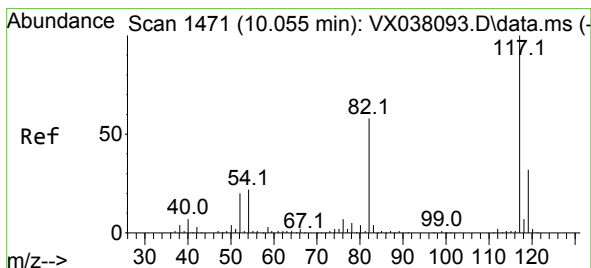
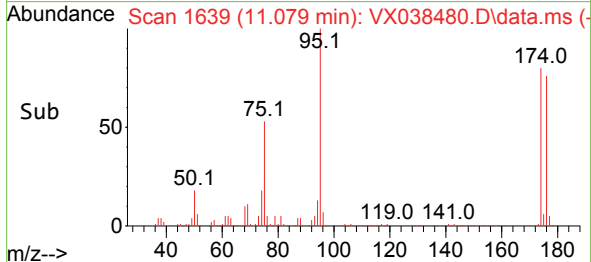
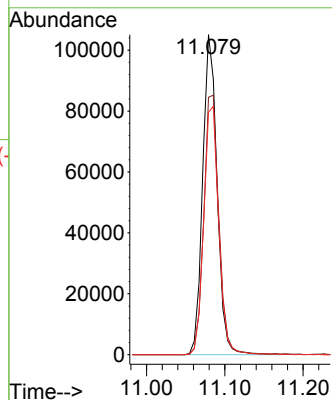
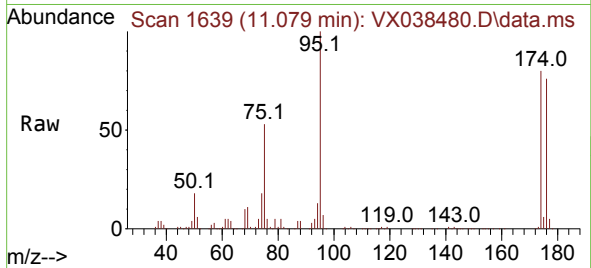




#62
4-Bromofluorobenzene
Concen: 45.835 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

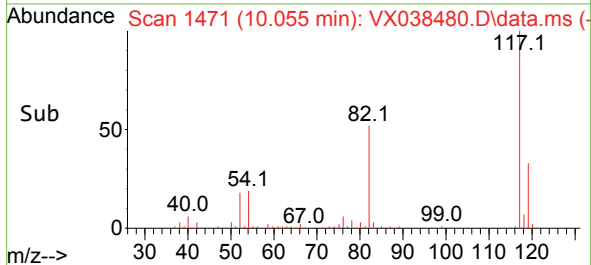
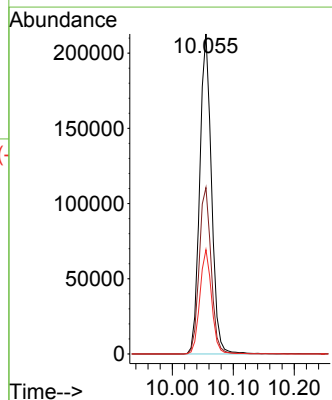
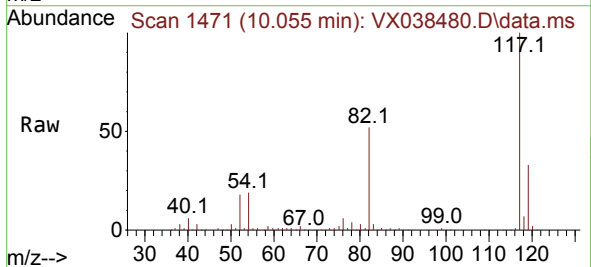
Instrument :
MSVOA_X
ClientSampleId :

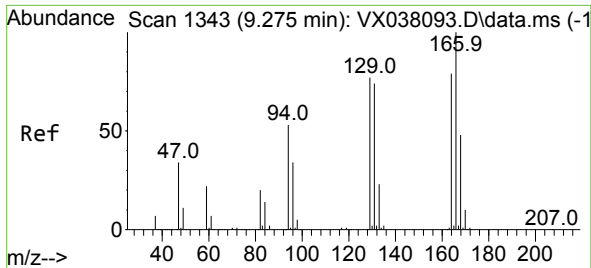
Tgt Ion: 95 Resp: 133988
Ion Ratio Lower Upper
95 100
174 84.8 0.0 135.6
176 81.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

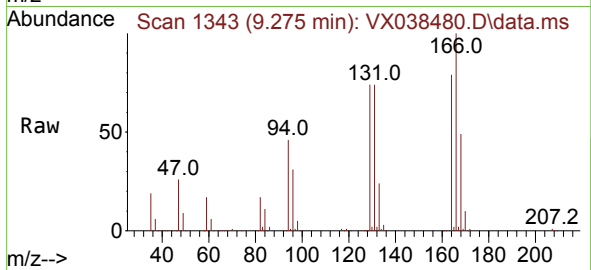
Tgt Ion: 117 Resp: 285681
Ion Ratio Lower Upper
117 100
82 52.0 46.2 69.4
119 32.6 25.5 38.3



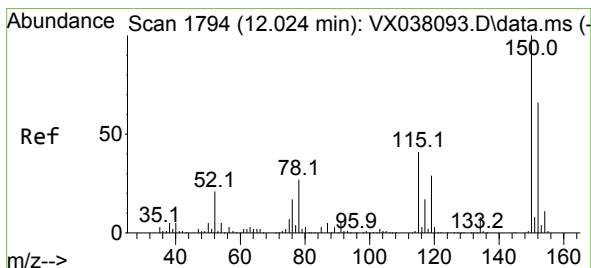
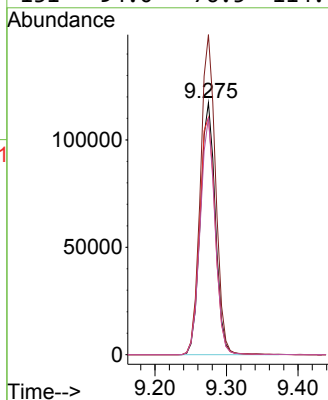
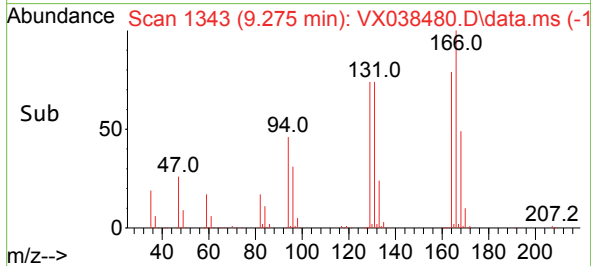


#64
Tetrachloroethene
Concen: 92.415 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20

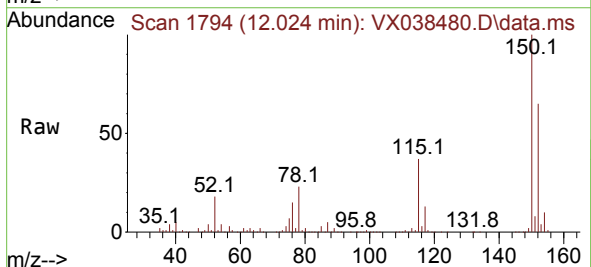
Instrument :
MSVOA_X
ClientSampleId :



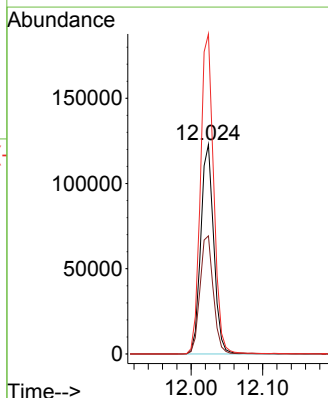
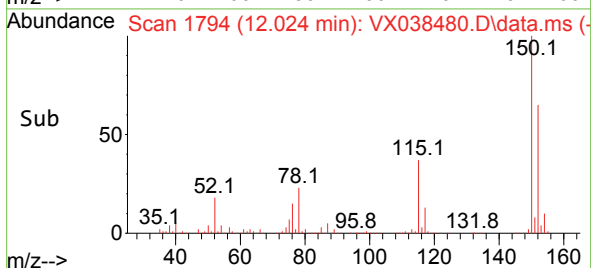
Tgt Ion:164 Resp: 170913
Ion Ratio Lower Upper
164 100
166 127.0 102.7 154.1
129 94.1 80.4 120.6
131 94.0 76.5 114.7

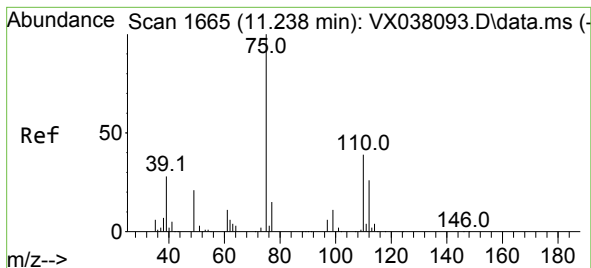


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038480.D
Acq: 25 Oct 2023 15:20



Tgt Ion:152 Resp: 155330
Ion Ratio Lower Upper
152 100
115 58.0 43.3 129.9
150 155.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.614 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038480.D

Acq: 25 Oct 2023 15:20

Instrument :

MSVOA_X

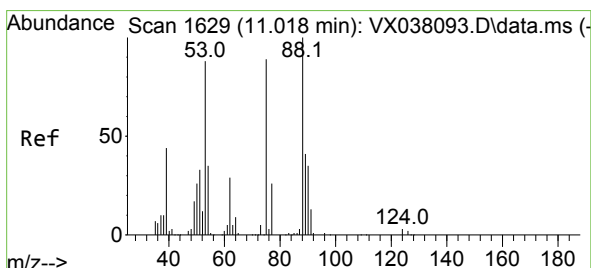
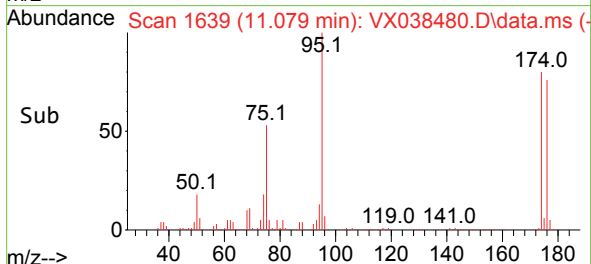
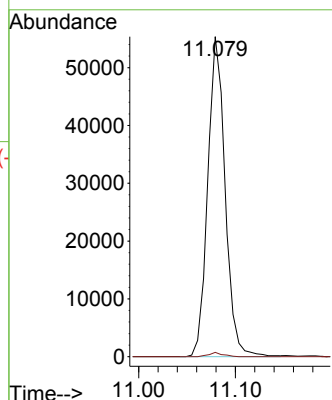
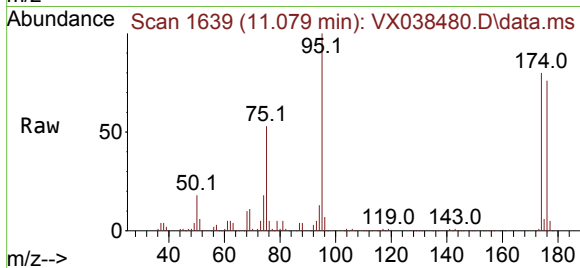
ClientSampleId :

Tgt Ion: 75 Resp: 69261

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.685 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038480.D

Acq: 25 Oct 2023 15:20

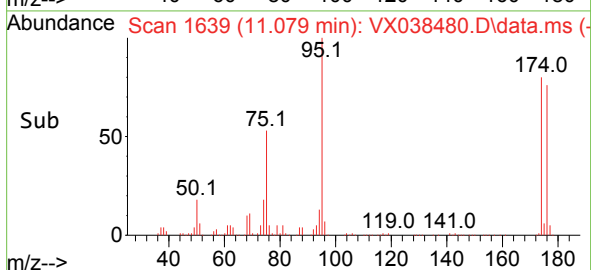
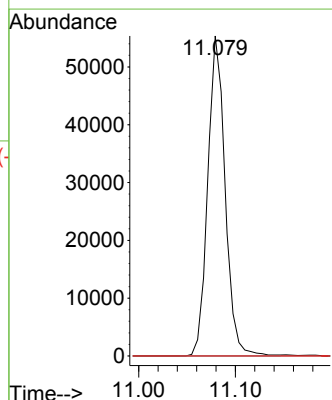
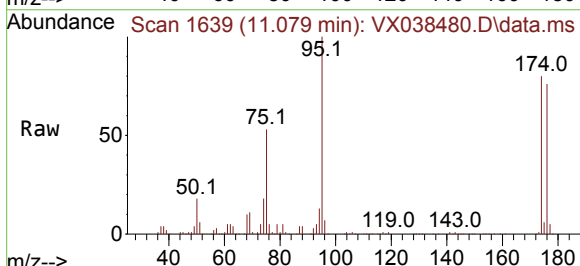
Tgt Ion: 75 Resp: 69261

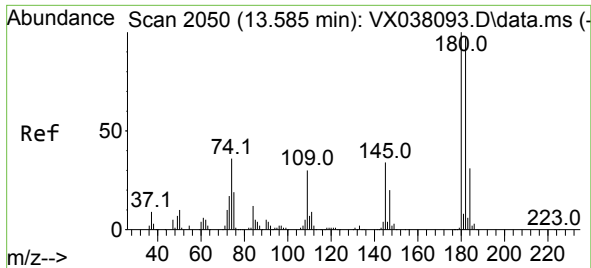
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

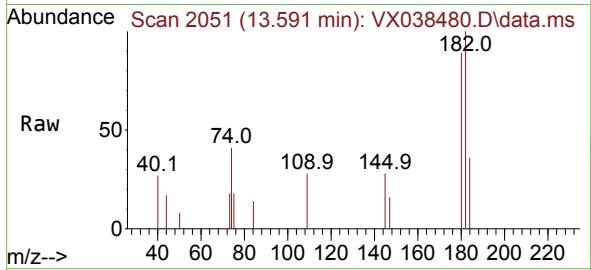
89 0.0 36.9 55.3#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.253 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX038480.D
 Acq: 25 Oct 2023 15:20

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	832
Ion	Ratio	Lower	Upper
180	100		
182	101.7	48.3	144.8
145	28.4	18.0	54.0

