

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082423\
 Data File : VX037239.D
 Acq On : 25 Aug 2023 01:35
 Operator : JC/MD
 Sample : 04077-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 25 06:30:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

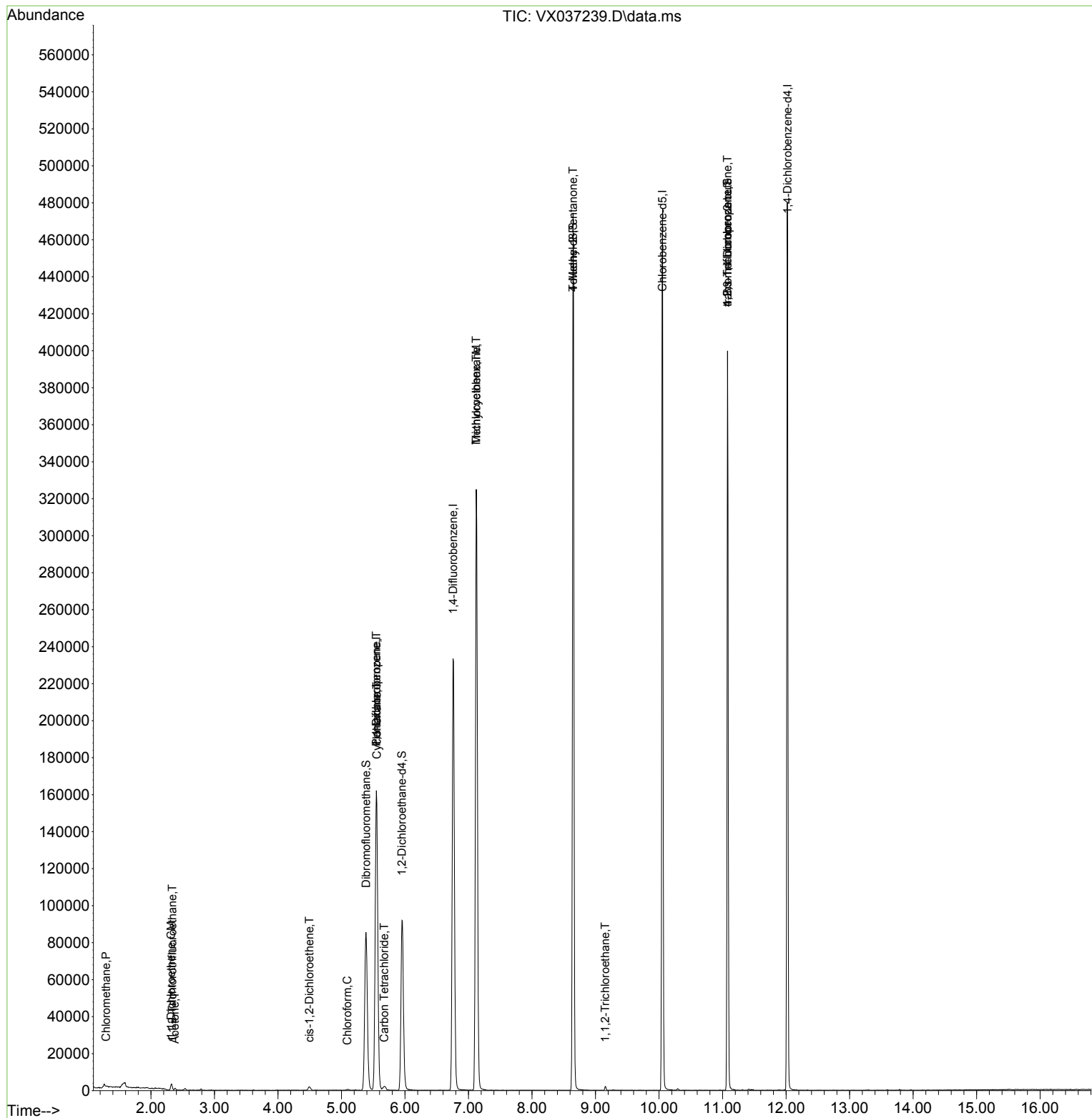
Internal Standards						
1) Pentafluorobenzene	5.550	168	149546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246672	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94741	43.943	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.880%
35) Dibromofluoromethane	5.385	113	76689	46.943	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.880%
50) Toluene-d8	8.647	98	290087	48.953	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.900%
62) 4-Bromofluorobenzene	11.079	95	108589	46.629	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.260%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	390	0.257	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	633	0.400	ug/l	96
12) 1,1-Dichloroethene	2.319	96	860	0.559	ug/l	88
16) Acetone	2.373	43	1046	1.240	ug/l	92
27) cis-1,2-Dichloroethene	4.495	96	1324	0.642	ug/l	85
30) Chloroform	5.092	83	738	0.214	ug/l	91
31) Cyclohexane	5.556	56	3085	1.273	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12080	5.205	ug/l #	52
38) Carbon Tetrachloride	5.672	117	1980	0.785	ug/l	91
39) Methylcyclohexane	7.123	83	1544	0.633	ug/l #	1
44) Trichloroethene	7.123	130	128377	68.014	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1121	0.490	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	630	0.352	ug/l #	86
76) 1,2,3-Trichloropropane	11.079	75	54666	25.497	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	54666	71.214	ug/l #	5

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

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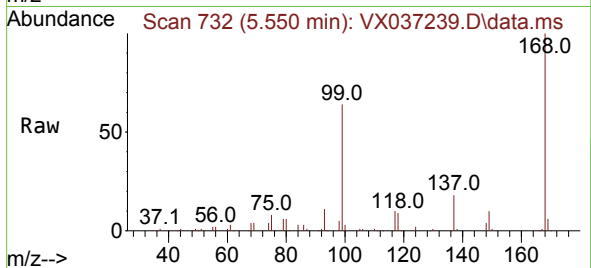


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

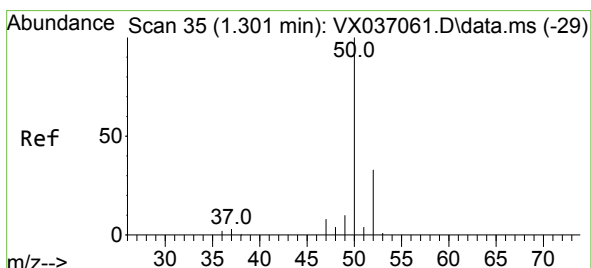
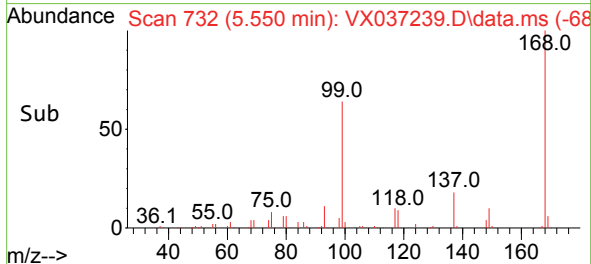
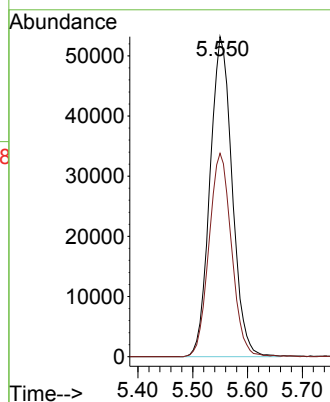
Instrument :

MSVOA_X

ClientSampleId :

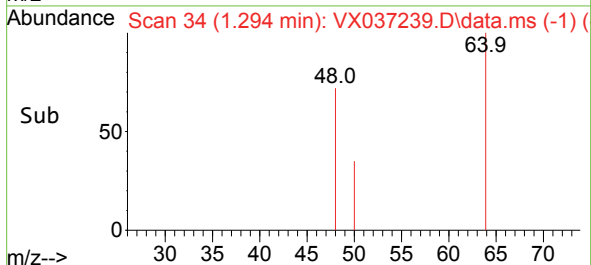
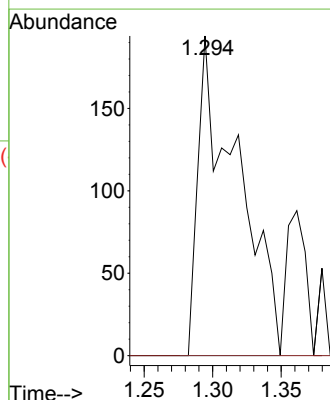
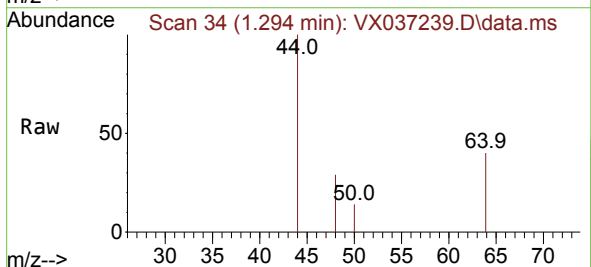


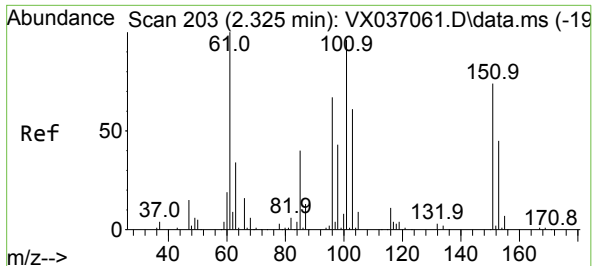
Tgt Ion:168 Resp: 149546
Ion Ratio Lower Upper
168 100
99 63.6 56.6 85.0



#3
Chloromethane
Concen: 0.257 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

Tgt Ion: 50 Resp: 390
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

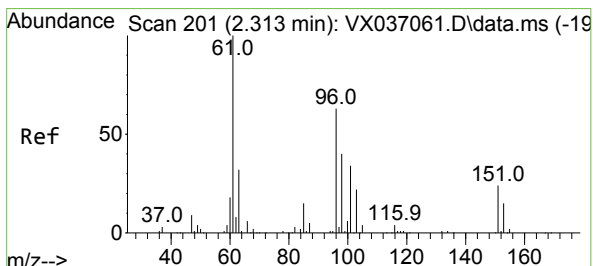
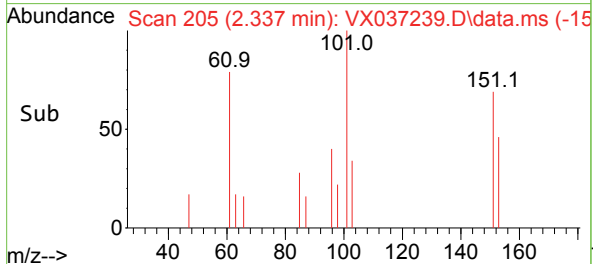
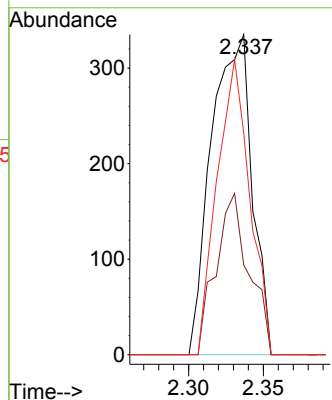
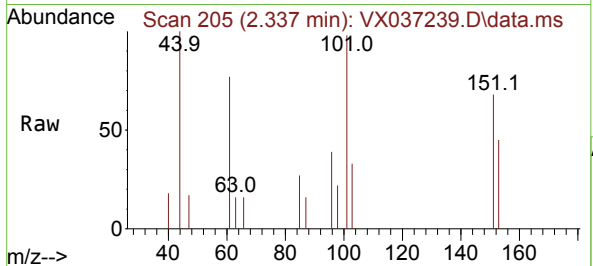




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.400 ug/l
RT: 2.337 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

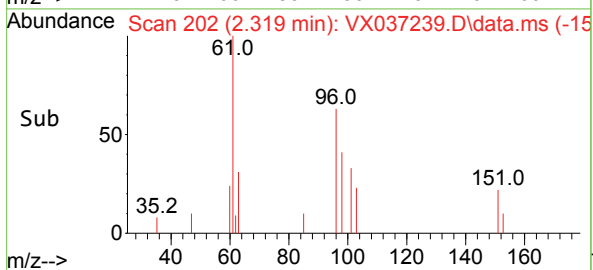
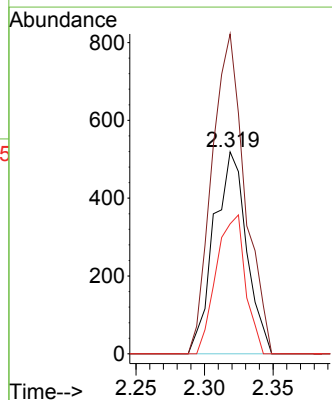
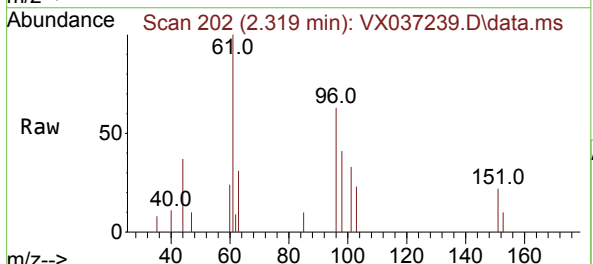
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:101 Resp: 633
Ion Ratio Lower Upper
101 100
85 41.2 37.0 55.6
151 74.1 58.6 87.8



#12
1,1-Dichloroethene
Concen: 0.559 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

Tgt Ion: 96 Resp: 860
Ion Ratio Lower Upper
96 100
61 158.4 144.6 216.8
98 64.4 50.4 75.6

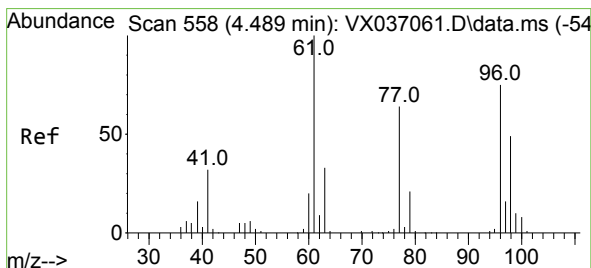
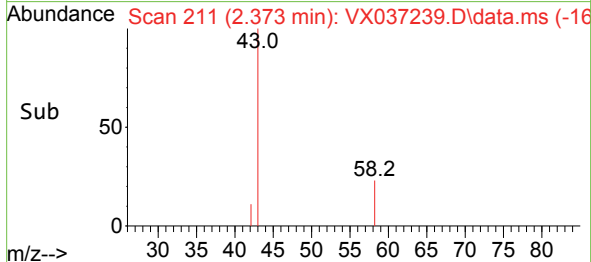
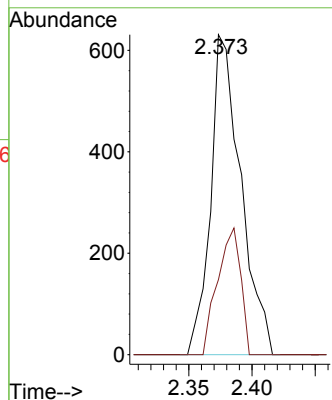
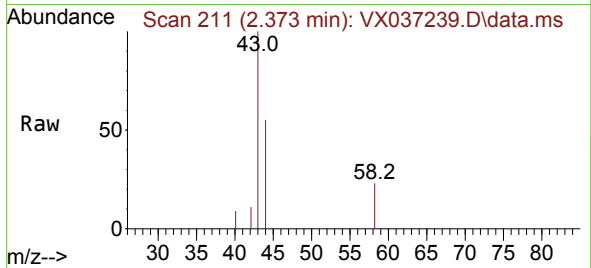




#16
Acetone
Concen: 1.240 ug/l
RT: 2.373 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

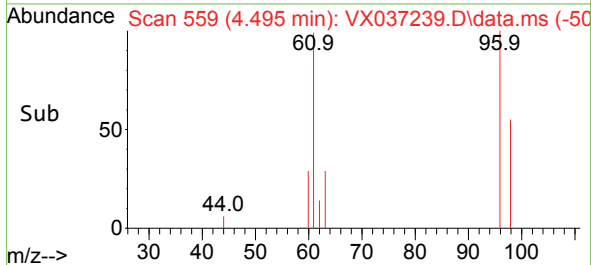
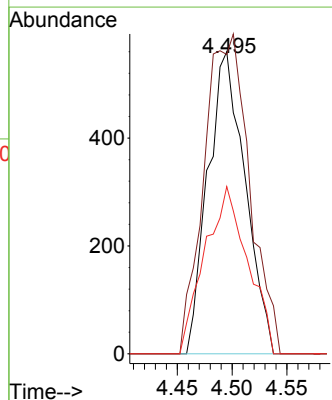
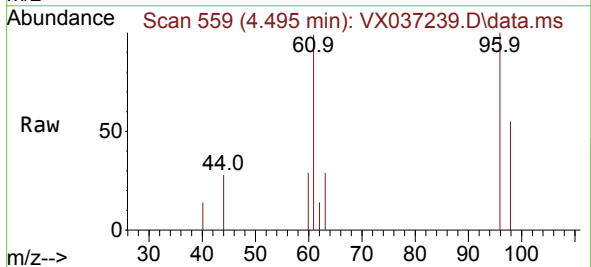
Instrument :
MSVOA_X
ClientSampleId :

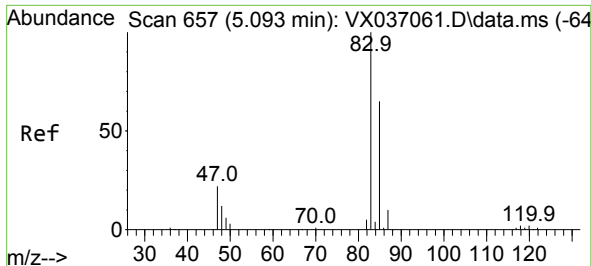
Tgt Ion: 43 Resp: 1046
Ion Ratio Lower Upper
43 100
58 23.5 21.9 32.9



#27
cis-1,2-Dichloroethene
Concen: 0.642 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

Tgt Ion: 96 Resp: 1324
Ion Ratio Lower Upper
96 100
61 128.9 0.0 312.2
98 63.7 0.0 129.0





#30

Chloroform

Concen: 0.214 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX037239.D

Acq: 25 Aug 2023 01:35

Instrument :

MSVOA_X

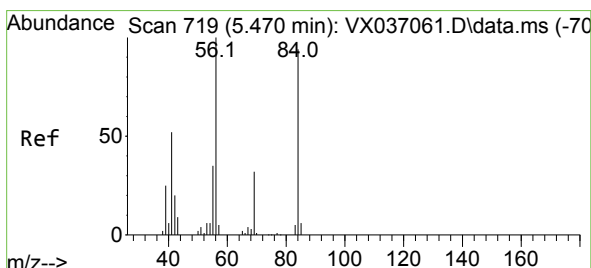
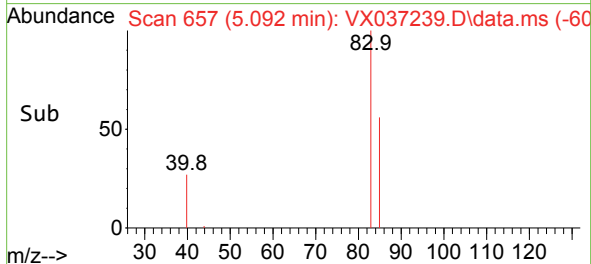
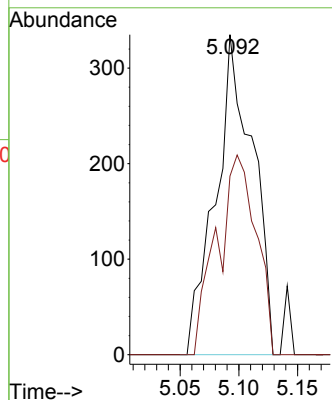
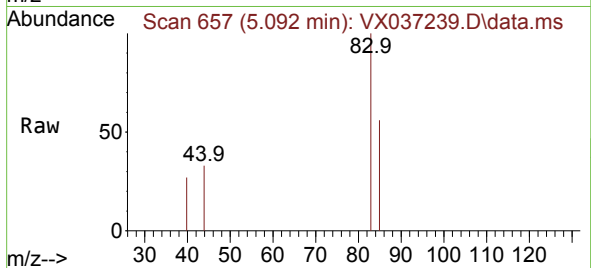
ClientSampleId :

Tgt Ion: 83 Resp: 738

Ion Ratio Lower Upper

83 100

85 55.8 50.3 75.5



#31

Cyclohexane

Concen: 1.273 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037239.D

Acq: 25 Aug 2023 01:35

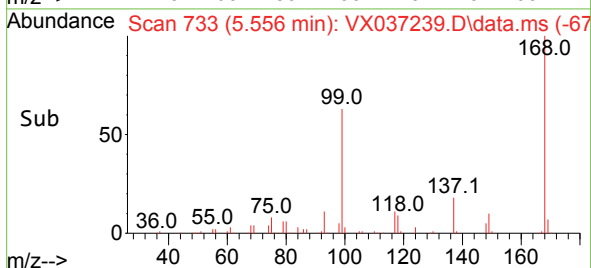
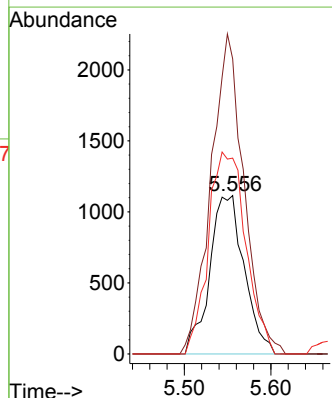
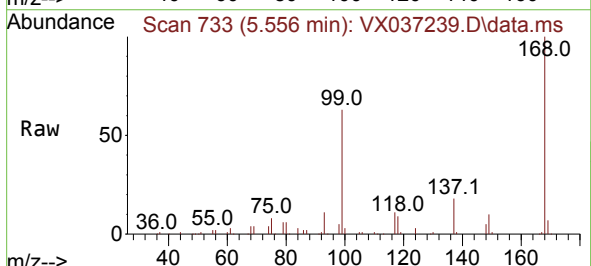
Tgt Ion: 56 Resp: 3085

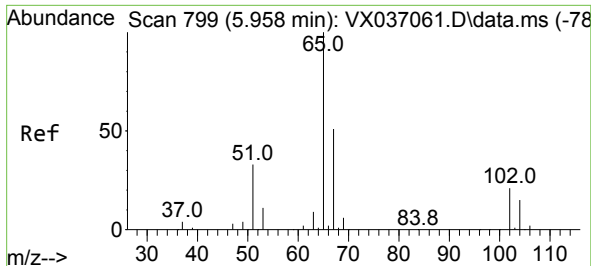
Ion Ratio Lower Upper

56 100

69 186.3 23.4 35.2#

84 123.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.943 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037239.D

Acq: 25 Aug 2023 01:35

Instrument :

MSVOA_X

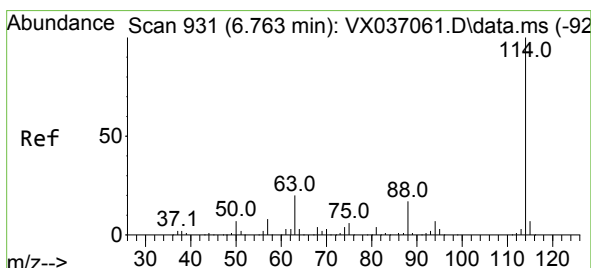
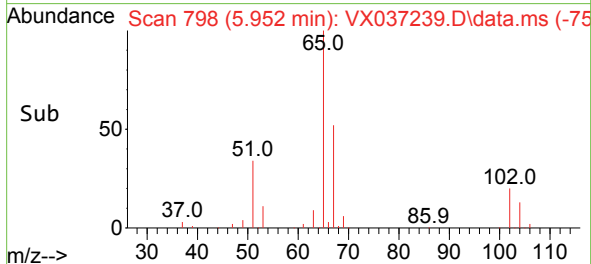
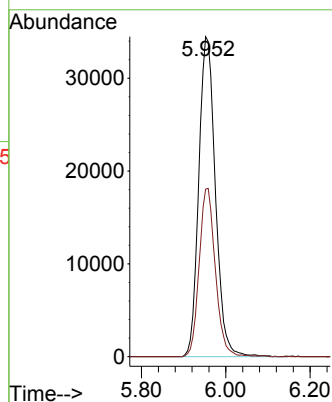
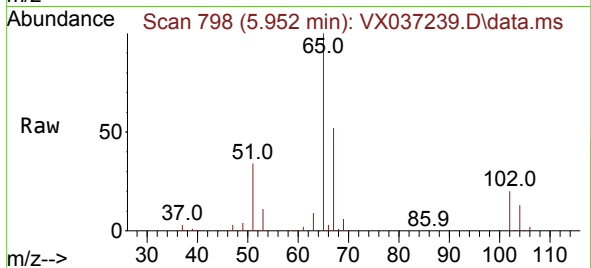
ClientSampleId :

Tgt Ion: 65 Resp: 94741

Ion Ratio Lower Upper

65 100

67 51.2 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: VX037239.D

Acq: 25 Aug 2023 01:35

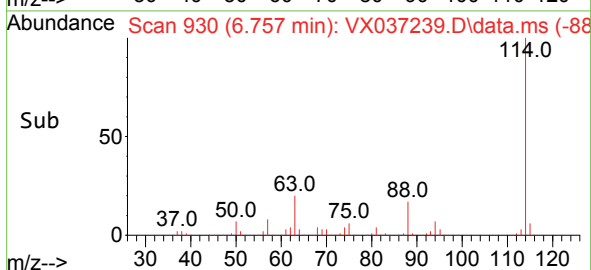
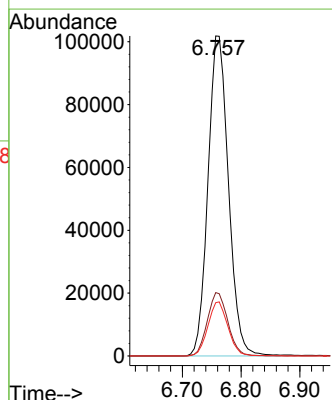
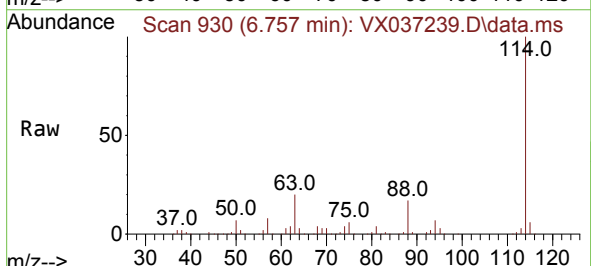
Tgt Ion: 114 Resp: 246672

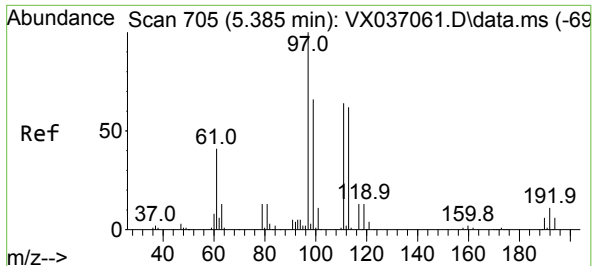
Ion Ratio Lower Upper

114 100

63 19.8 0.0 45.0

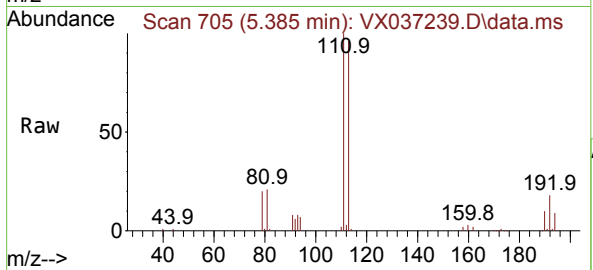
88 16.6 0.0 36.6



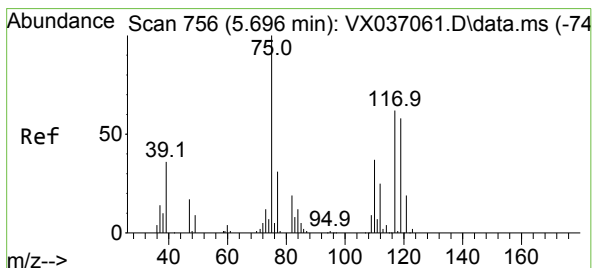
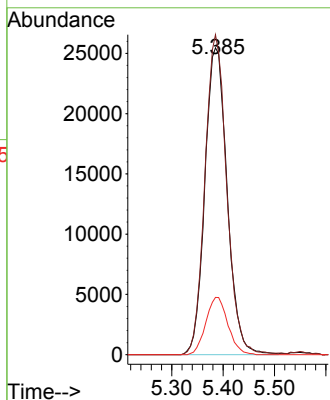
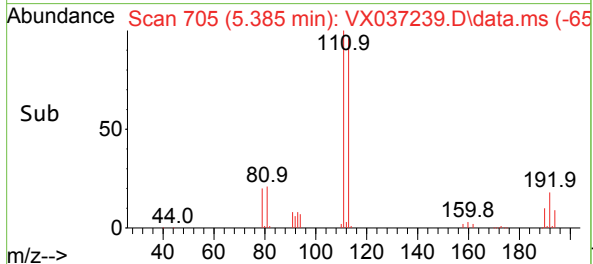


#35
Dibromofluoromethane
Concen: 46.943 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

Instrument :
MSVOA_X
ClientSampleId :

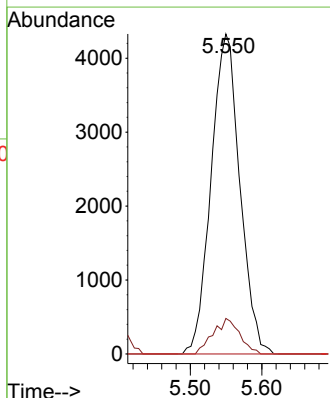
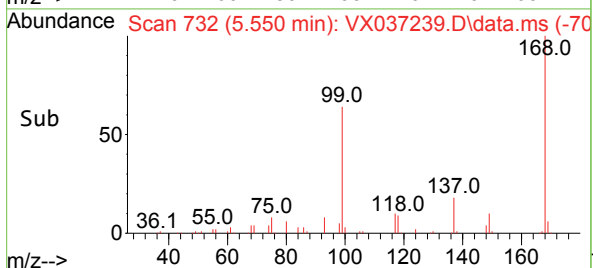
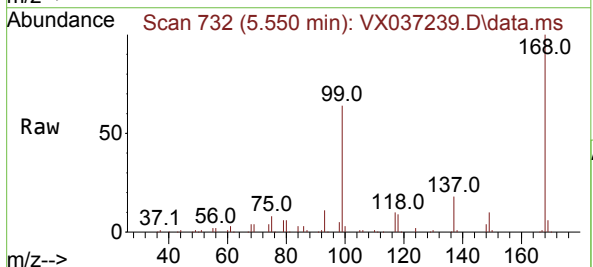


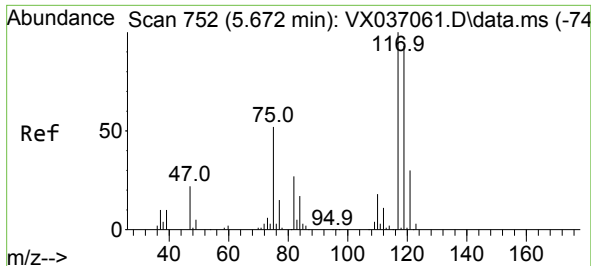
Tgt Ion:113 Resp: 76689
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.205 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

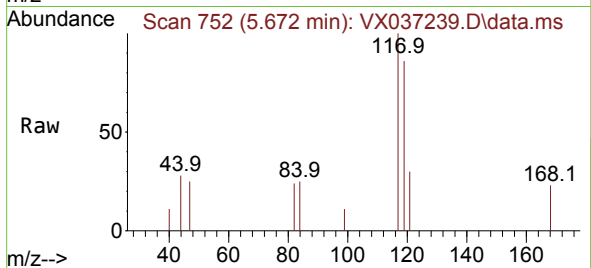
Tgt Ion: 75 Resp: 12080
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



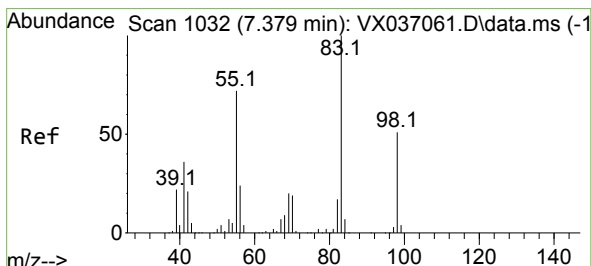
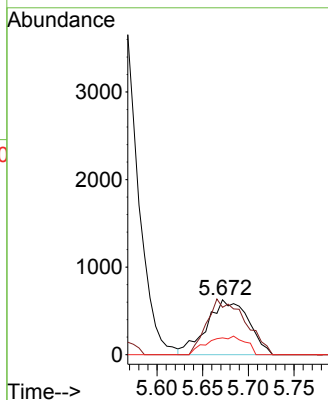
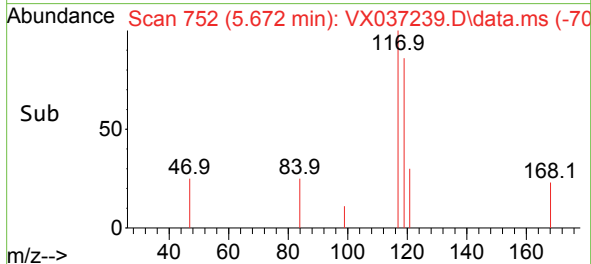


#38
Carbon Tetrachloride
Concen: 0.785 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

Instrument :
MSVOA_X
ClientSampleId :

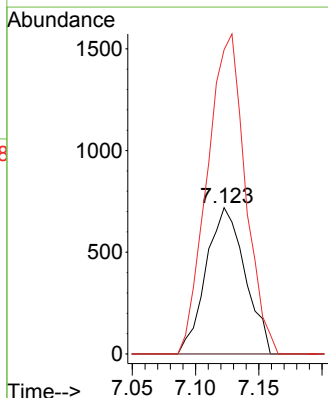
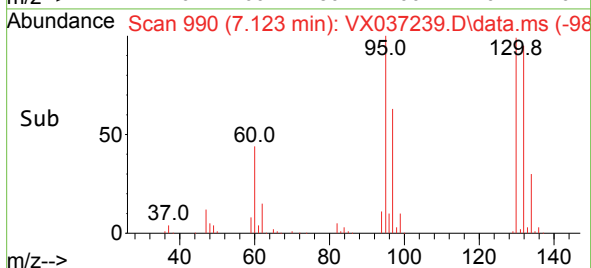
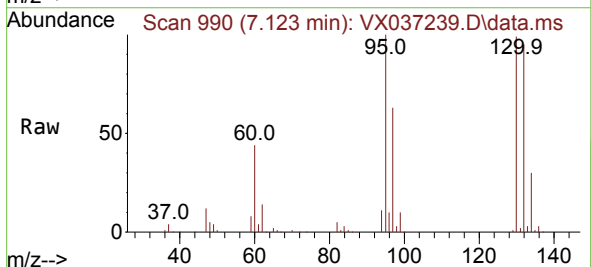


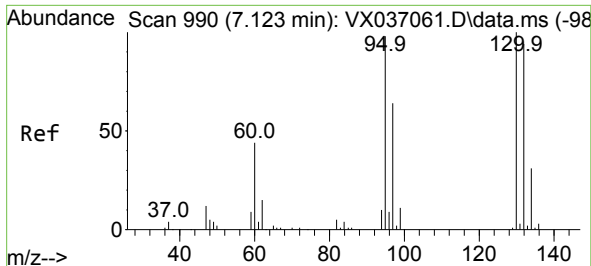
Tgt Ion:117 Resp: 1980
Ion Ratio Lower Upper
117 100
119 86.1 78.2 117.2
121 30.5 24.4 36.6



#39
Methylcyclohexane
Concen: 0.633 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

Tgt Ion: 83 Resp: 1544
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 208.1 36.7 55.1#

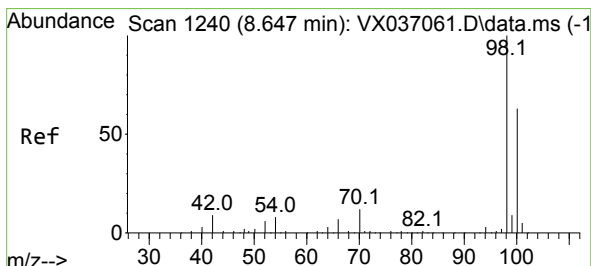
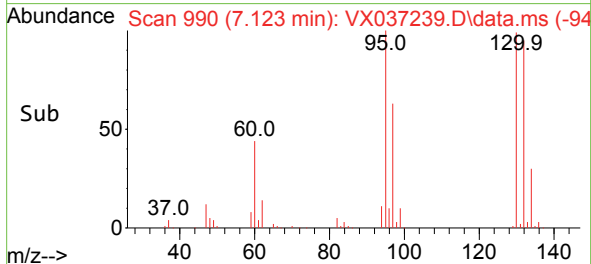
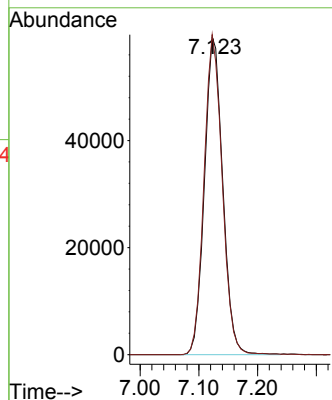
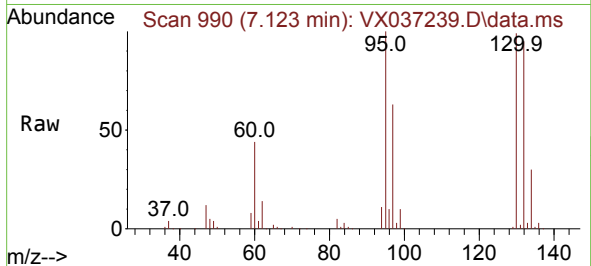




#44
Trichloroethene
Concen: 68.014 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

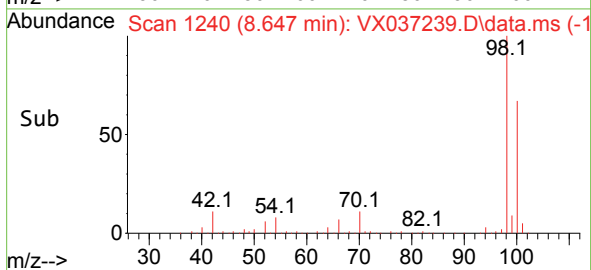
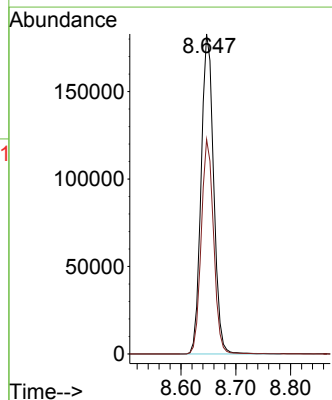
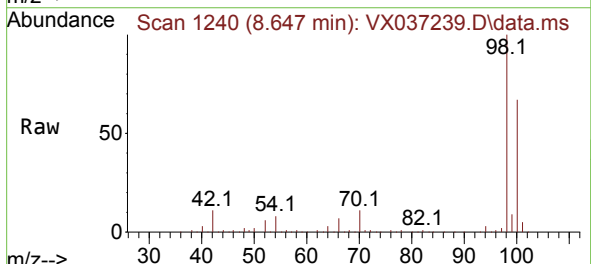
Instrument :
MSVOA_X
ClientSampleId :

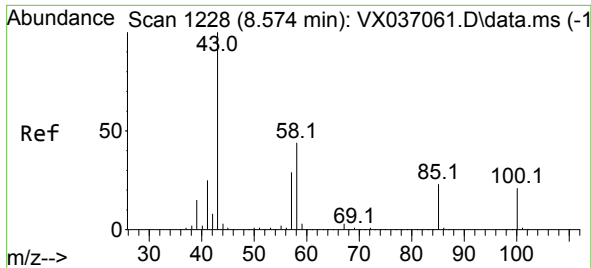
Tgt Ion:130 Resp: 128377
Ion Ratio Lower Upper
130 100
95 100.7 0.0 204.4



#50
Toluene-d8
Concen: 48.953 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

Tgt Ion: 98 Resp: 290087
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7

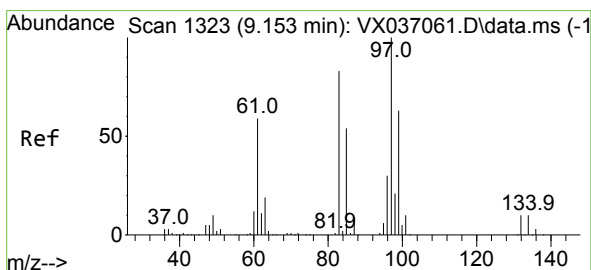
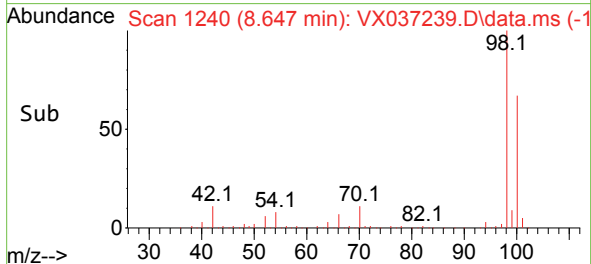
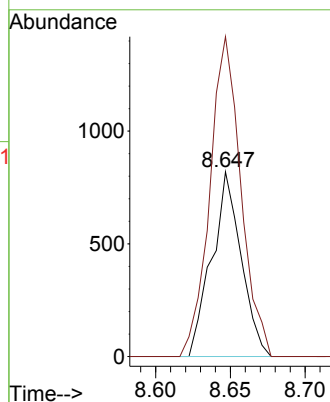
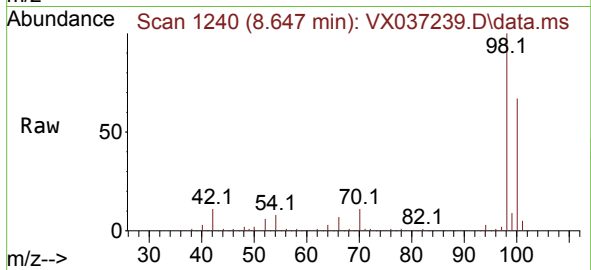




#51
4-Methyl-2-Pentanone
Concen: 0.490 ug/l
RT: 8.647 min Scan# 1121
Delta R.T. 0.073 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

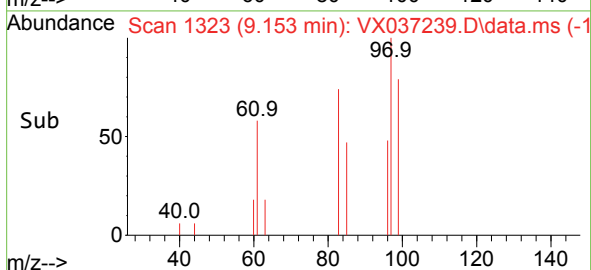
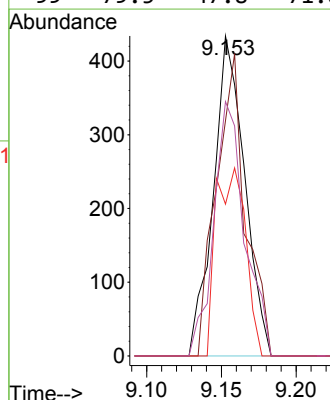
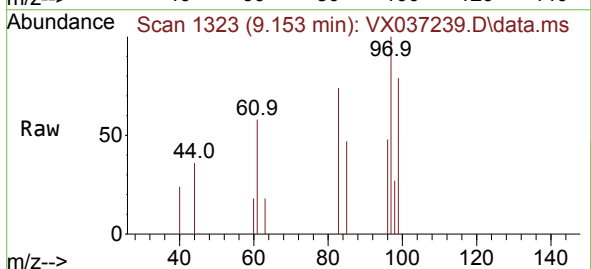
Instrument :
MSVOA_X
ClientSampleId :

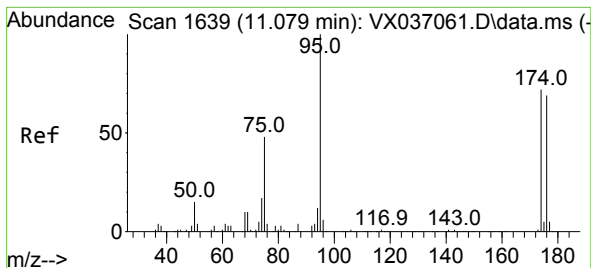
Tgt Ion: 43 Resp: 1121
Ion Ratio Lower Upper
43 100
58 183.0 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.352 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

Tgt Ion: 97 Resp: 630
Ion Ratio Lower Upper
97 100
83 73.5 65.8 98.8
85 47.5 41.6 62.4
99 79.5 47.8 71.8#

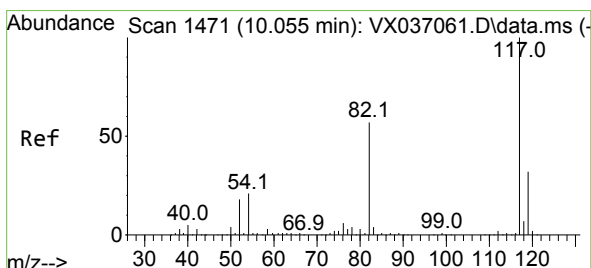
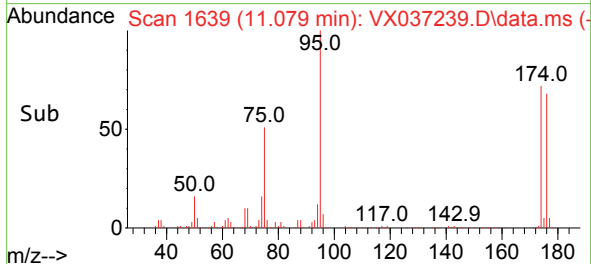
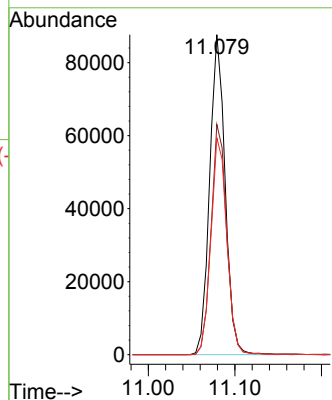
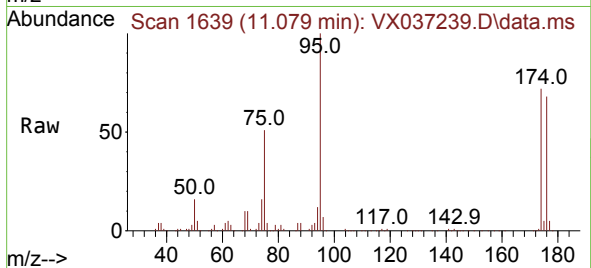




#62
4-Bromofluorobenzene
Concen: 46.629 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

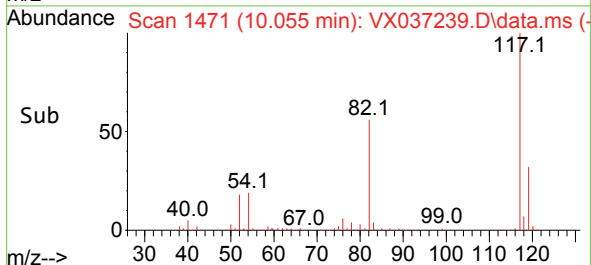
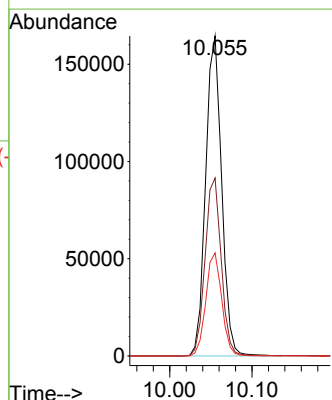
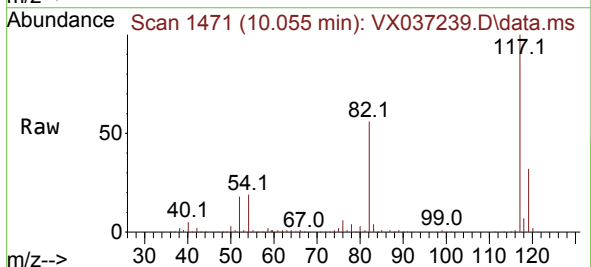
Instrument :
MSVOA_X
ClientSampleId :

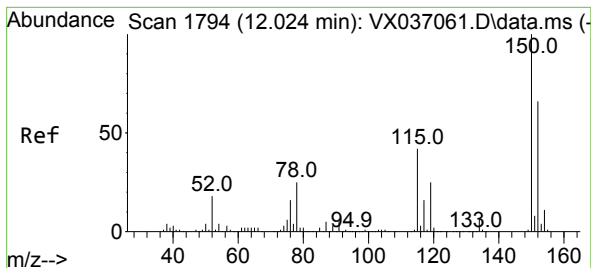
Tgt Ion: 95 Resp: 108589
Ion Ratio Lower Upper
95 100
174 72.8 0.0 135.6
176 70.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037239.D
Acq: 25 Aug 2023 01:35

Tgt Ion: 117 Resp: 222561
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 32.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037239.D

Acq: 25 Aug 2023 01:35

Instrument :

MSVOA_X

ClientSampleId :

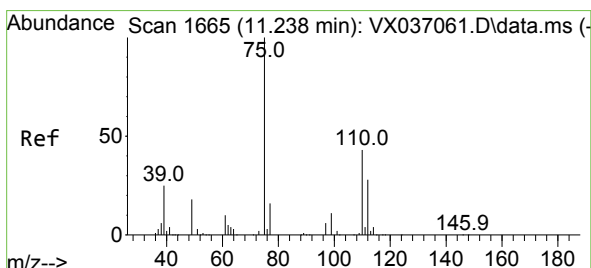
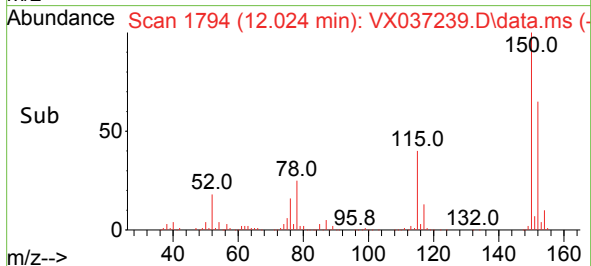
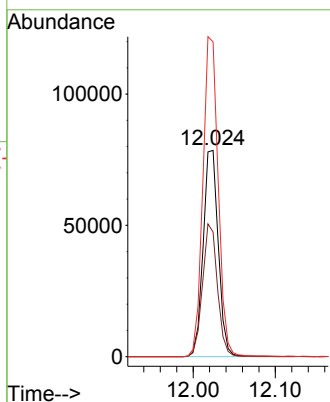
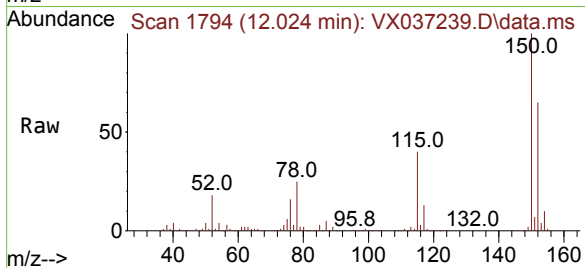
Tgt Ion:152 Resp: 100674

Ion Ratio Lower Upper

152 100

115 63.4 43.3 129.9

150 157.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.497 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037239.D

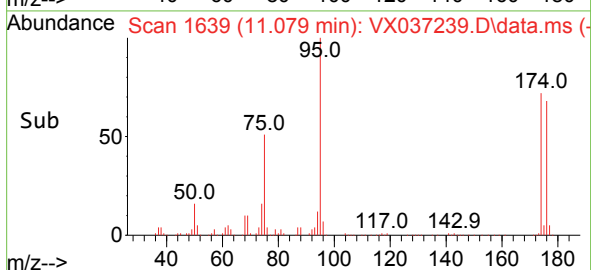
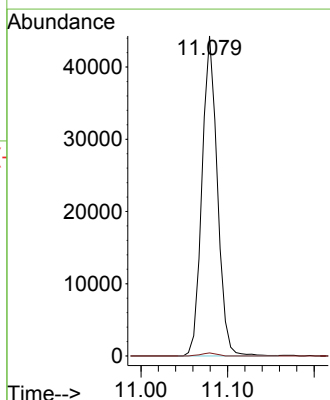
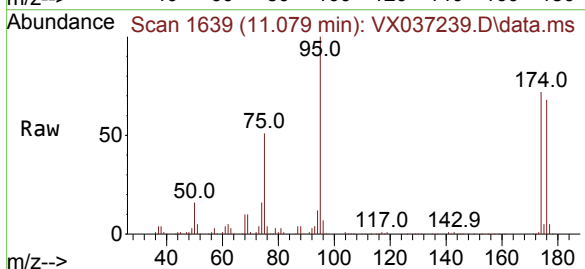
Acq: 25 Aug 2023 01:35

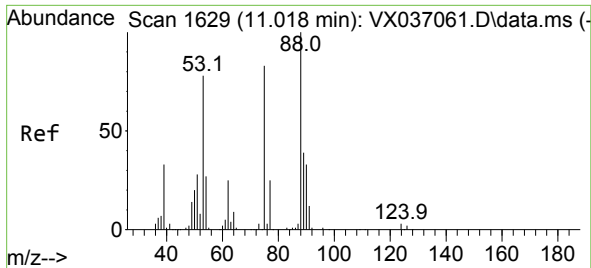
Tgt Ion: 75 Resp: 54666

Ion Ratio Lower Upper

75 100

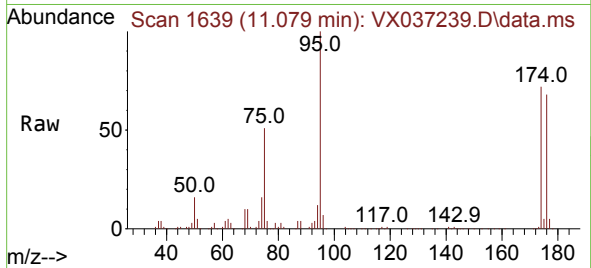
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.214 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037239.D
 Acq: 25 Aug 2023 01:35

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 54666
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

