

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122223\
 Data File : VX039436.D
 Acq On : 22 Dec 2023 13:47
 Operator : JC/MD
 Sample : 05996-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 23 06:24:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

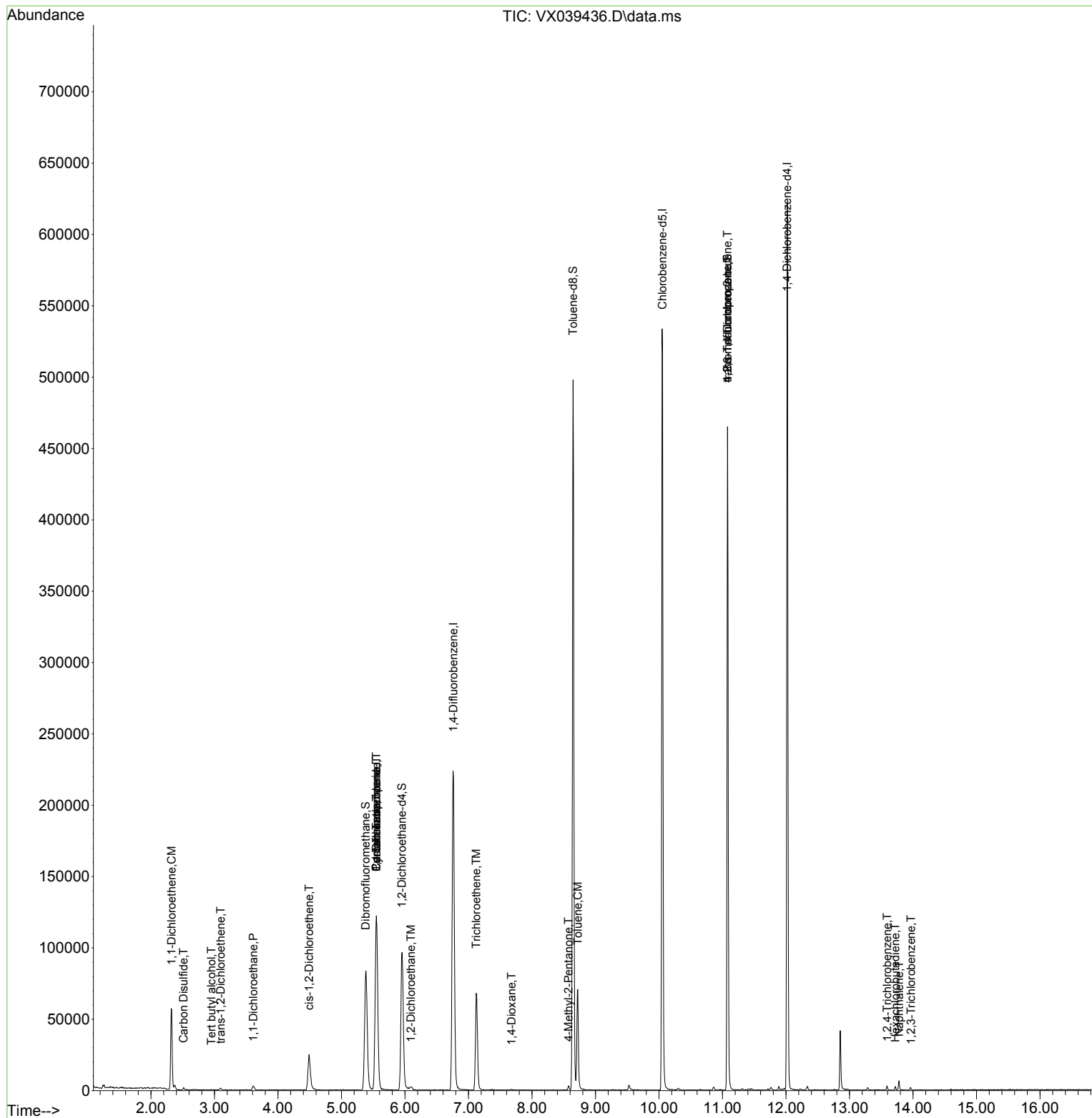
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	104383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220985	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	111738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94146	49.234	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.460%
35) Dibromofluoromethane	5.379	113	73548	48.175	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.360%
50) Toluene-d8	8.647	98	283137	49.955	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.920%
62) 4-Bromofluorobenzene	11.079	95	124496	53.237	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	101	0.210	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	18678	13.915	ug/l	90
16) Acetone	2.374	43	3269	Below Cal	#	85
17) Carbon Disulfide	2.514	76	1397	0.356	ug/l #	92
21) trans-1,2-Dichloroethene	3.099	96	483	0.331	ug/l #	72
24) 1,1-Dichloroethane	3.611	63	3435	1.228	ug/l #	91
27) cis-1,2-Dichloroethene	4.489	96	14426	8.948	ug/l	90
31) Cyclohexane	5.550	56	3114	1.261	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10708	4.445	ug/l #	49
38) Carbon Tetrachloride	5.550	117	12370	5.380	ug/l #	14
42) 1,2-Dichloroethane	6.092	62	2826	1.024	ug/l	83
44) Trichloroethene	7.123	130	24773	14.405	ug/l	85
49) 1,4-Dioxane	7.678	88	331	8.678	ug/l #	77
51) 4-Methyl-2-Pentanone	8.574	43	1745	0.566	ug/l	99
52) Toluene	8.720	92	27081	6.584	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	67724	23.427	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	67724	66.087	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	791	0.337	ug/l	75
94) Hexachlorobutadiene	13.719	225	366	0.414	ug/l	97
95) Naphthalene	13.780	128	4028	0.493	ug/l	98
96) 1,2,3-Trichlorobenzene	13.969	180	663	0.293	ug/l	80

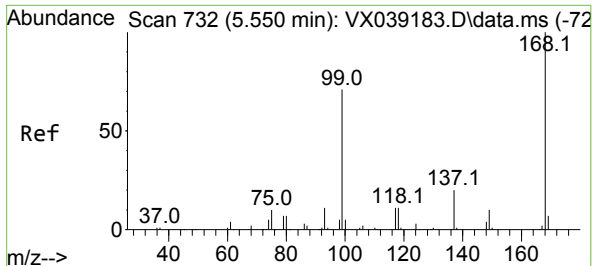
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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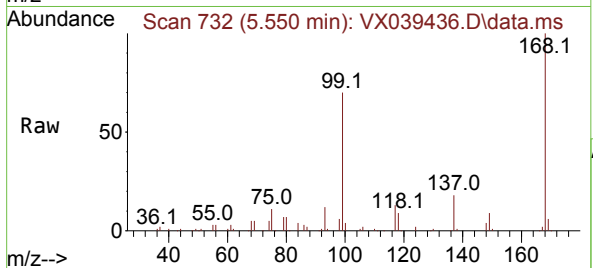


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

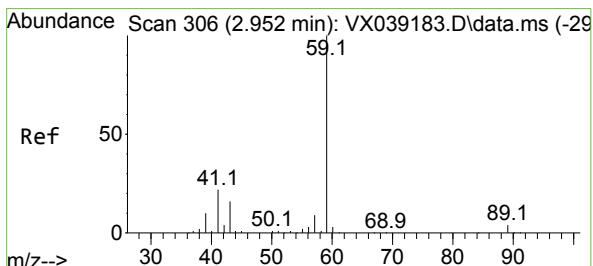
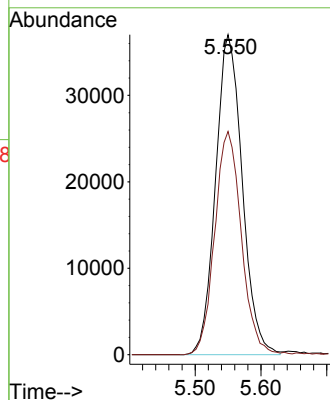
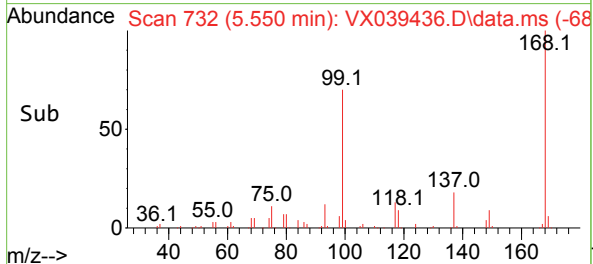
Instrument :

MSVOA_X

ClientSampleId :

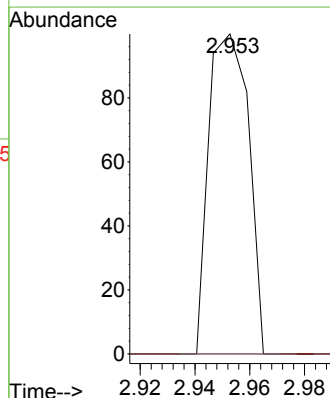
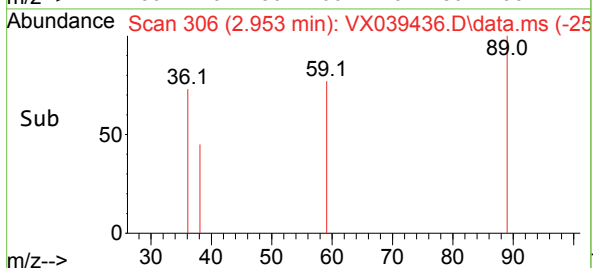
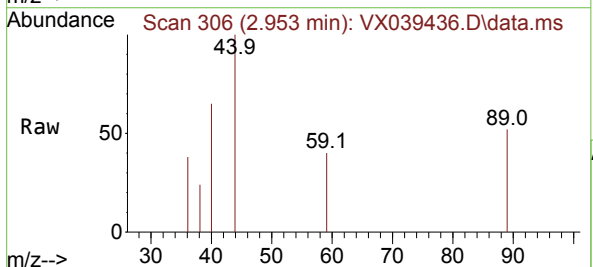


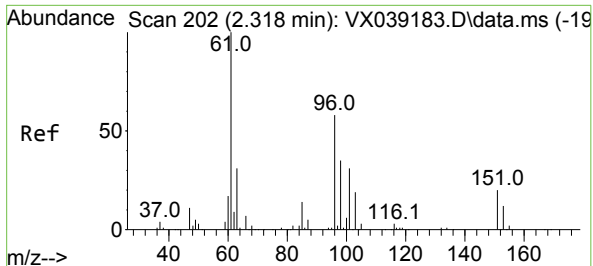
Tgt Ion:168 Resp: 104383
Ion Ratio Lower Upper
168 100
99 69.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.210 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

Tgt Ion: 59 Resp: 101
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 13.915 ug/l

RT: 2.325 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX039436.D

Acq: 22 Dec 2023 13:47

Instrument :

MSVOA_X

ClientSampleId :

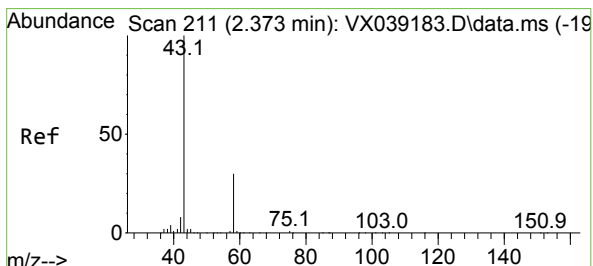
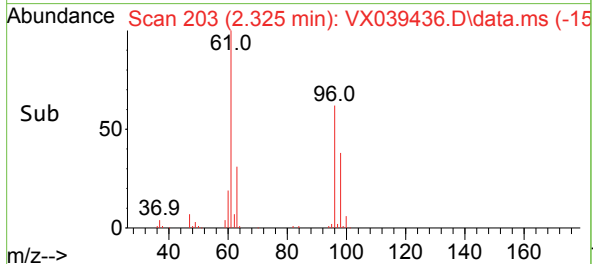
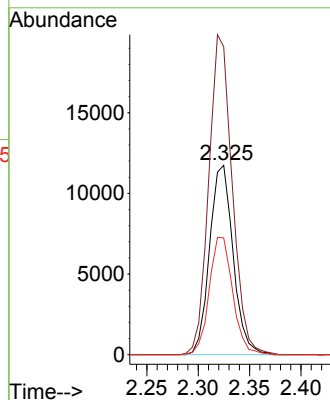
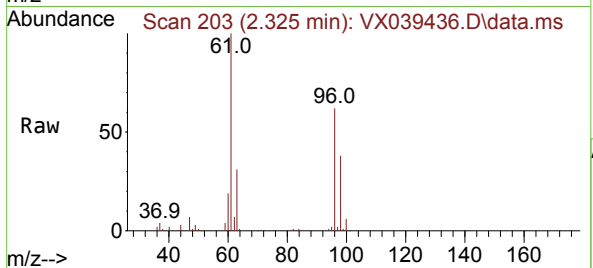
Tgt Ion: 96 Resp: 18678

Ion Ratio Lower Upper

96 100

61 162.5 144.6 216.8

98 61.6 50.4 75.6



#16

Acetone

Concen: Below Cal

RT: 2.374 min Scan# 211

Delta R.T. 0.001 min

Lab File: VX039436.D

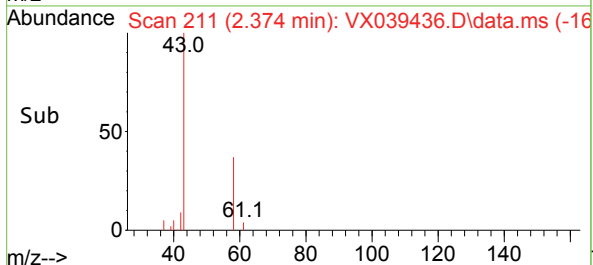
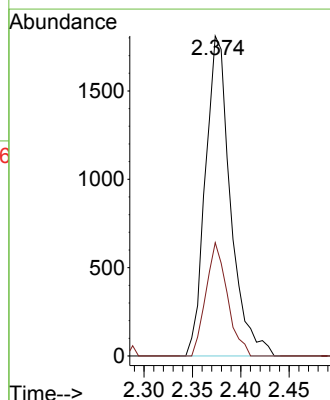
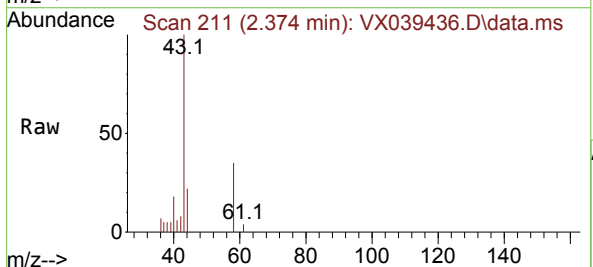
Acq: 22 Dec 2023 13:47

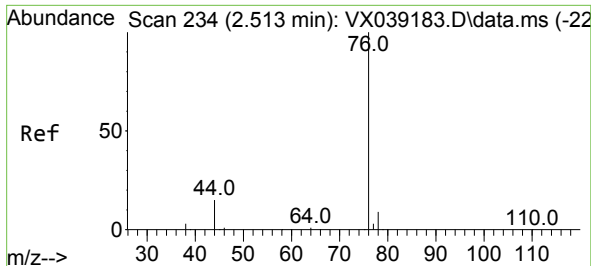
Tgt Ion: 43 Resp: 3269

Ion Ratio Lower Upper

43 100

58 35.4 21.9 32.9#

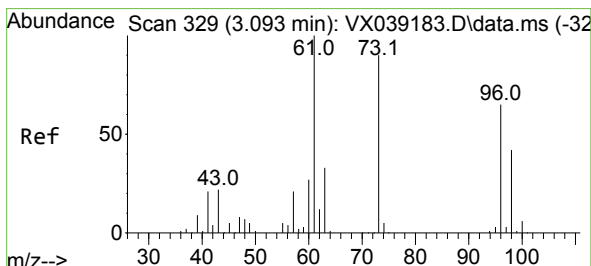
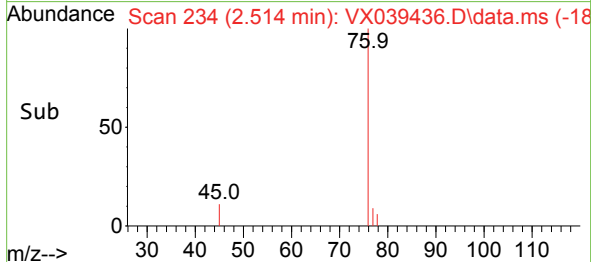
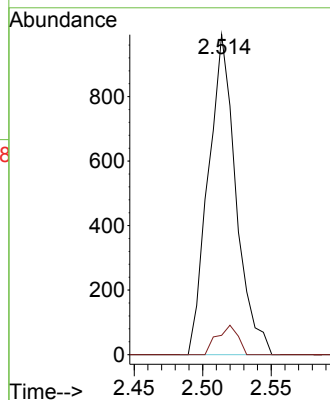
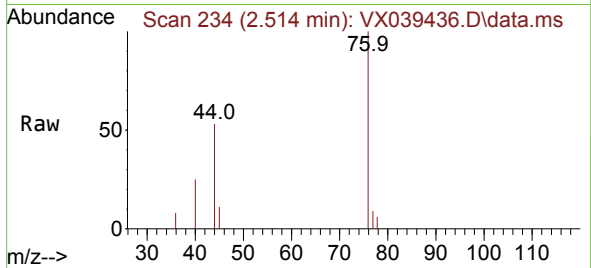




#17
Carbon Disulfide
Concen: 0.356 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

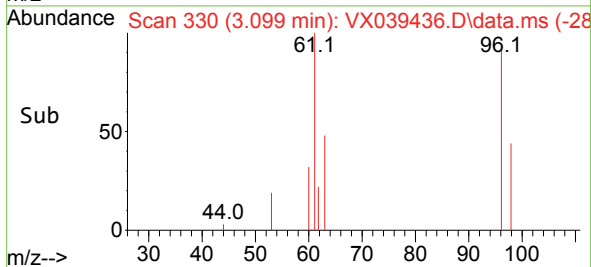
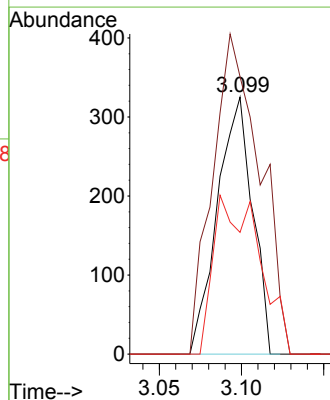
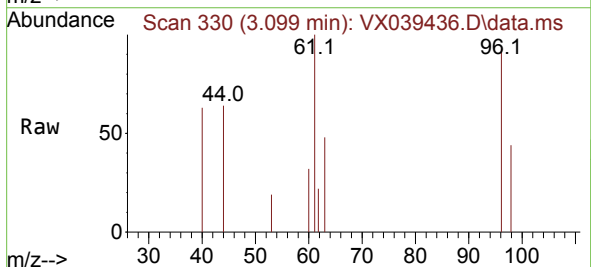
Instrument :
MSVOA_X
ClientSampleId :

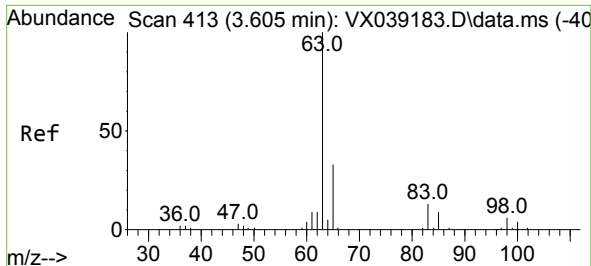
Tgt Ion: 76 Resp: 1397
Ion Ratio Lower Upper
76 100
78 6.0 7.0 10.6#



#21
trans-1,2-Dichloroethene
Concen: 0.331 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

Tgt Ion: 96 Resp: 483
Ion Ratio Lower Upper
96 100
61 108.0 119.2 178.8#
98 47.4 48.7 73.1#

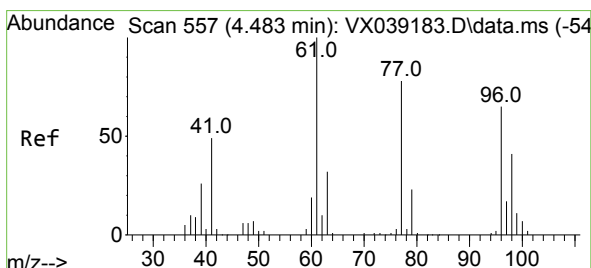
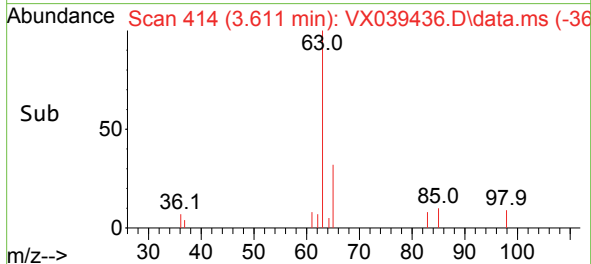
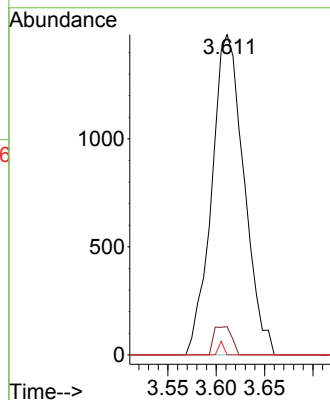
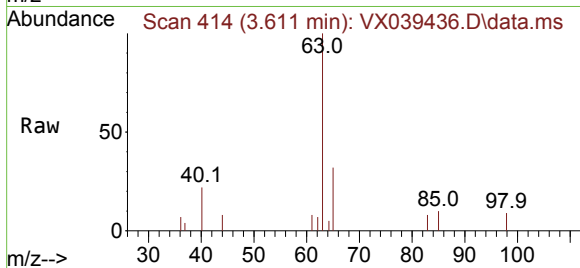




#24
1,1-Dichloroethane
Concen: 1.228 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

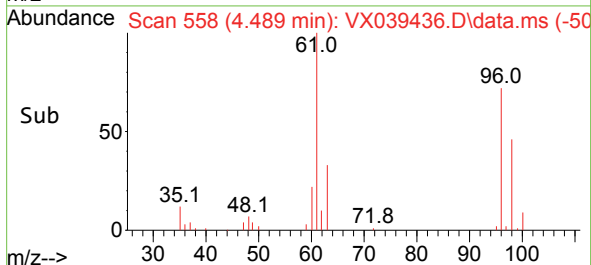
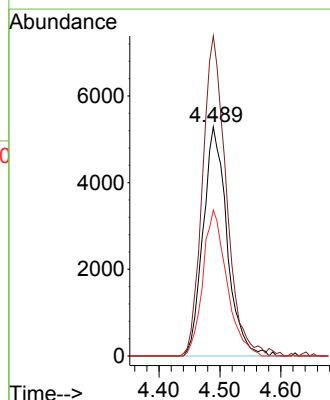
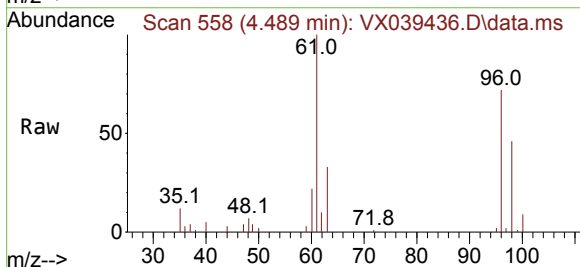
Instrument :
MSVOA_X
ClientSampleId :

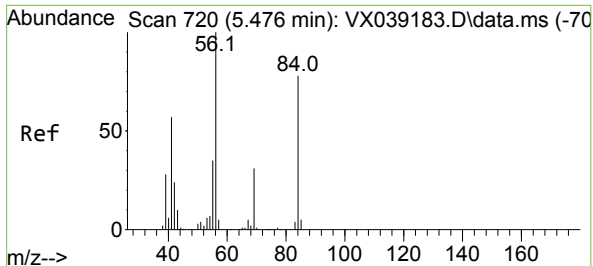
Tgt Ion: 63 Resp: 3435
Ion Ratio Lower Upper
63 100
98 8.8 3.3 9.8
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 8.948 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

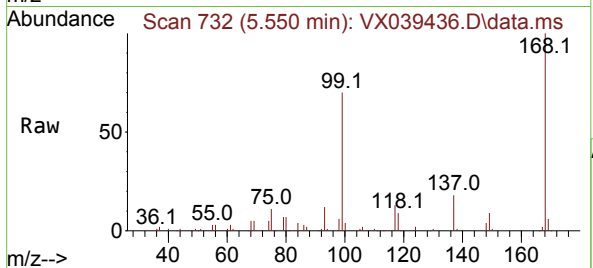
Tgt Ion: 96 Resp: 14426
Ion Ratio Lower Upper
96 100
61 138.5 0.0 312.2
98 63.8 0.0 129.0



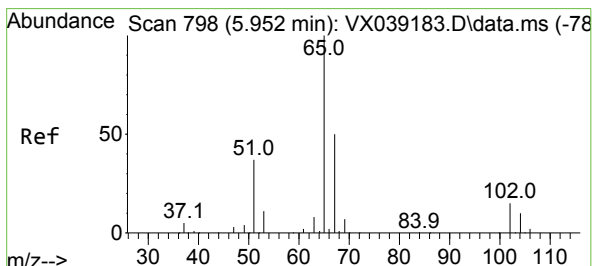
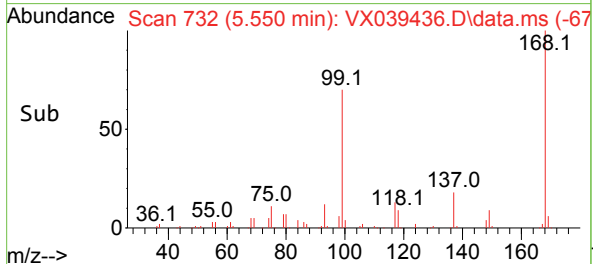
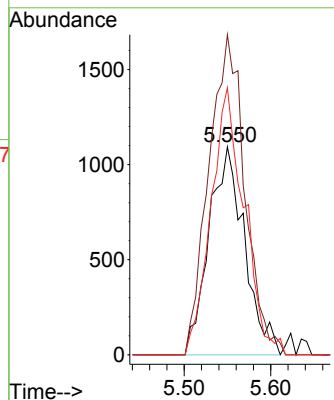


#31
Cyclohexane
Concen: 1.261 ug/l
RT: 5.550 min Scan# 712
Delta R.T. 0.074 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

Instrument :
MSVOA_X
ClientSampleId :

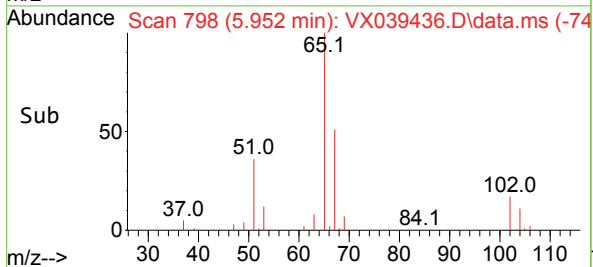
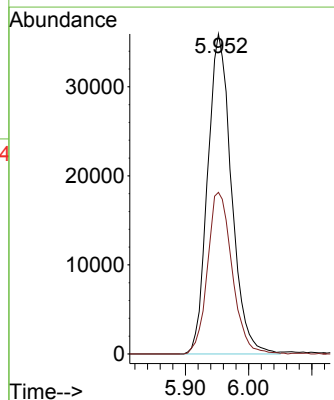
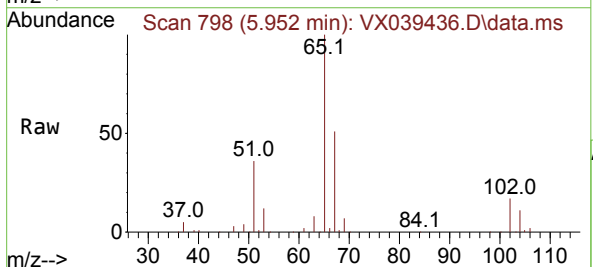


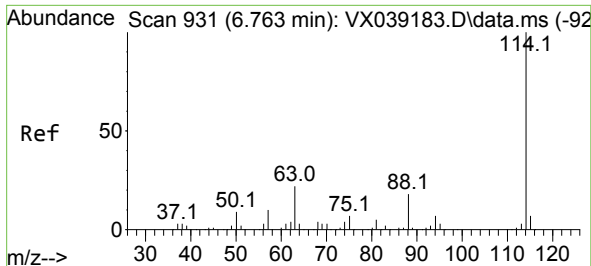
Tgt Ion: 56 Resp: 3114
Ion Ratio Lower Upper
56 100
69 154.0 23.4 35.2#
84 128.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.234 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

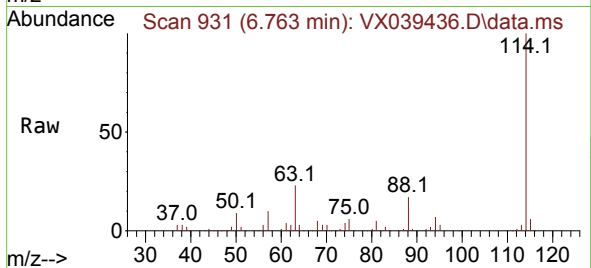
Tgt Ion: 65 Resp: 94146
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2



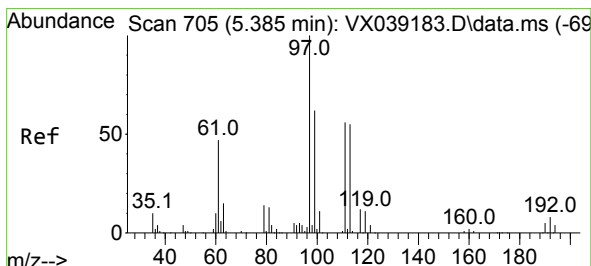
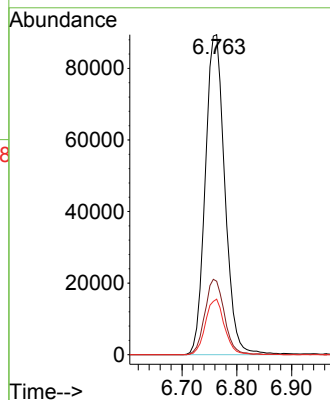
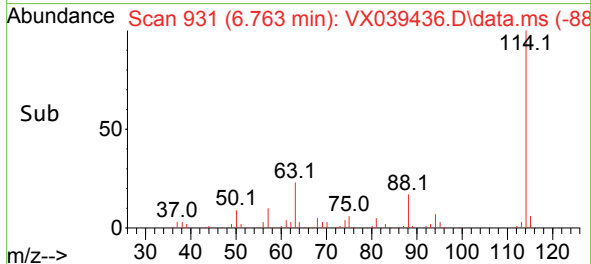


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

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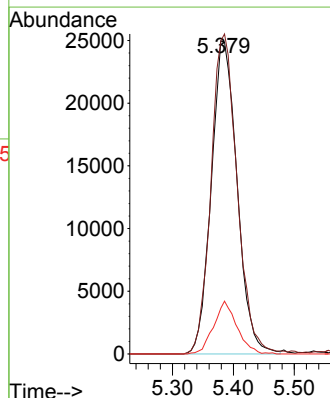
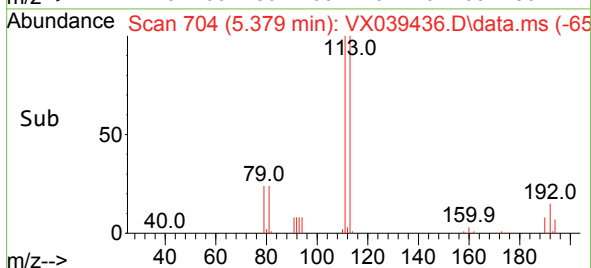
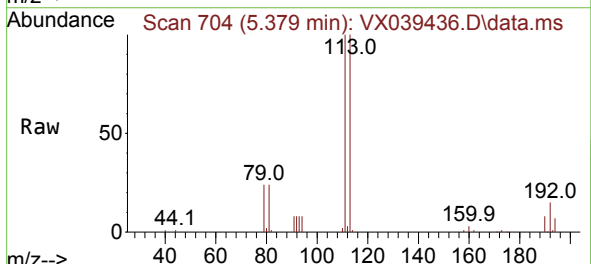


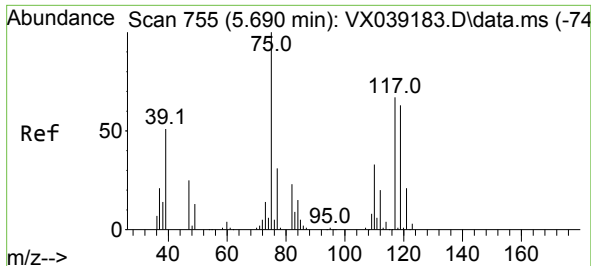
Tgt Ion:114 Resp: 220985
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.0
88 17.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.175 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

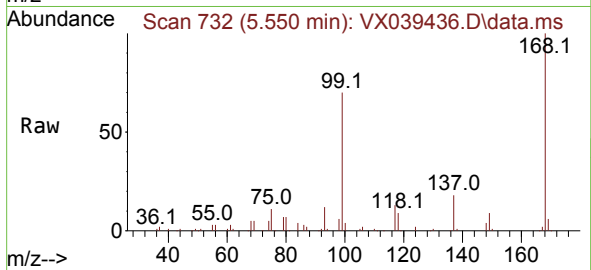
Tgt Ion:113 Resp: 73548
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 15.3 13.3 19.9



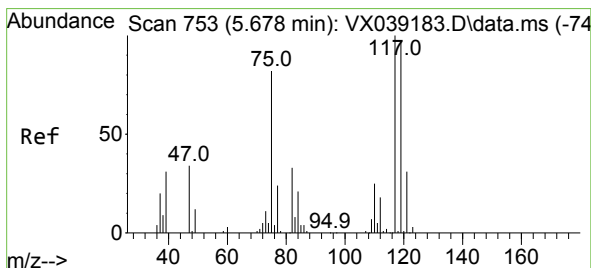
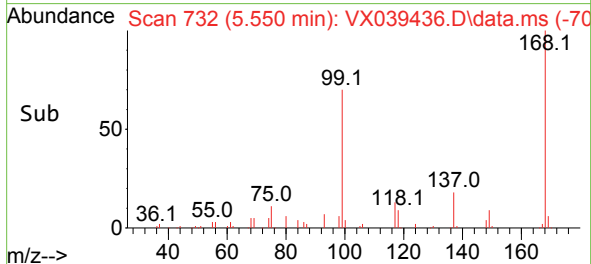
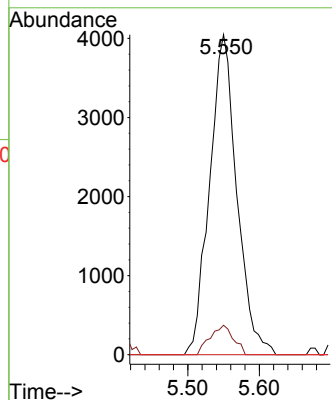


#36
1,1-Dichloropropene
Concen: 4.445 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

Instrument :
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ClientSampleId :

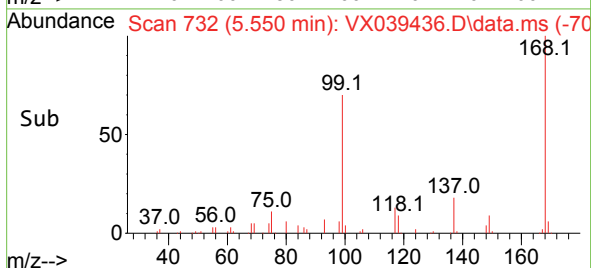
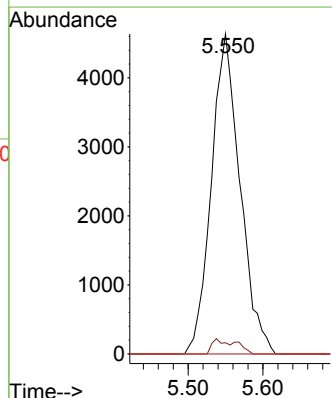
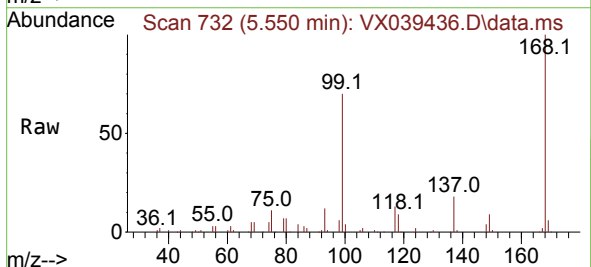


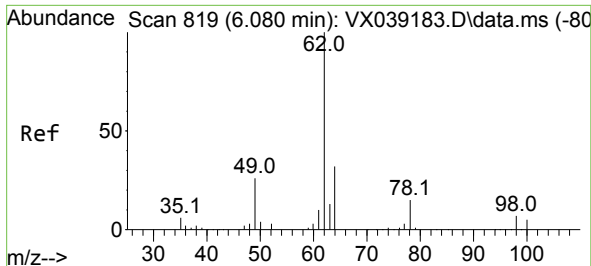
Tgt Ion: 75 Resp: 10708
Ion Ratio Lower Upper
75 100
110 7.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.380 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

Tgt Ion: 117 Resp: 12370
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 1.024 ug/l

RT: 6.092 min Scan# 819

Delta R.T. 0.013 min

Lab File: VX039436.D

Acq: 22 Dec 2023 13:47

Instrument :

MSVOA_X

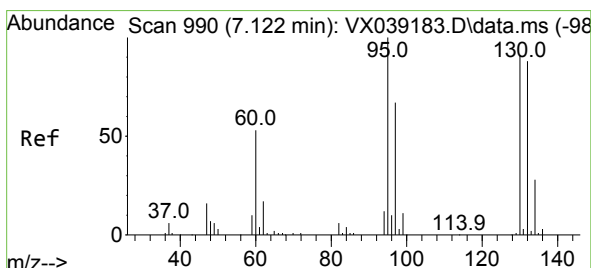
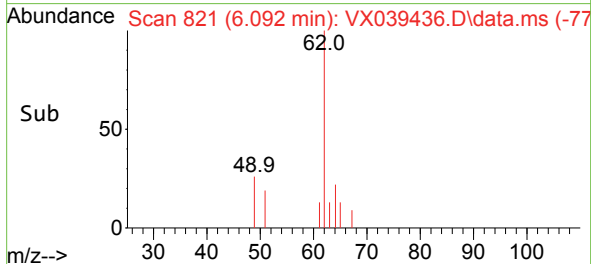
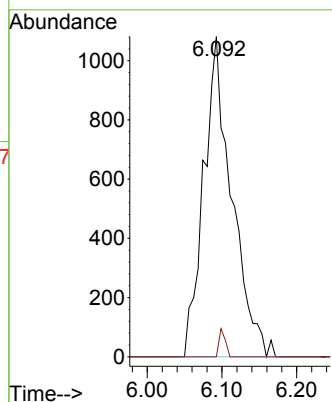
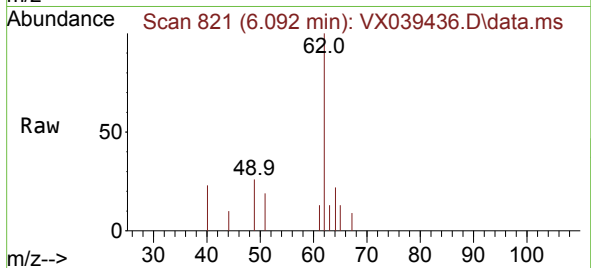
ClientSampleId :

Tgt Ion: 62 Resp: 2826

Ion Ratio Lower Upper

62 100

98 1.9 0.0 16.0



#44

Trichloroethene

Concen: 14.405 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX039436.D

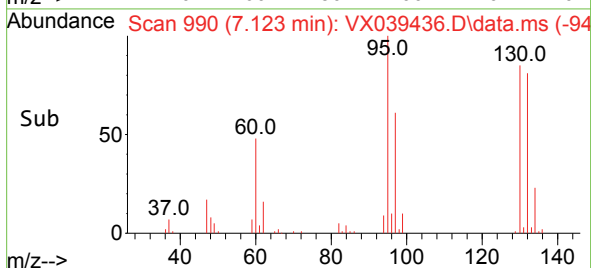
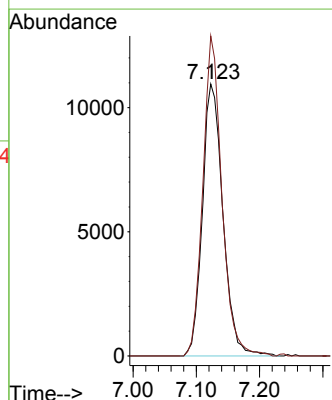
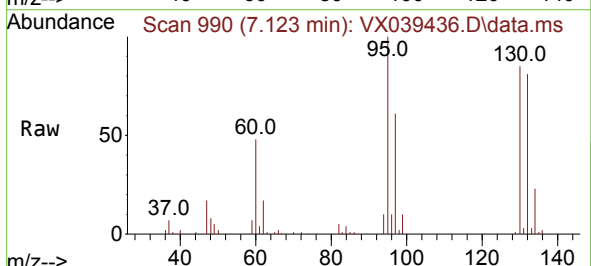
Acq: 22 Dec 2023 13:47

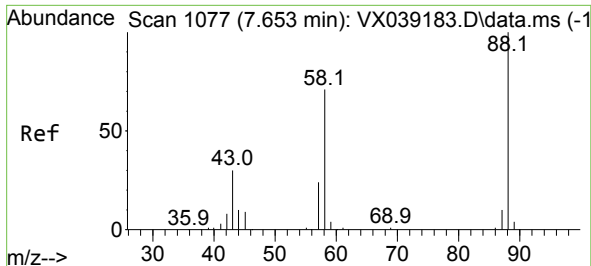
Tgt Ion:130 Resp: 24773

Ion Ratio Lower Upper

130 100

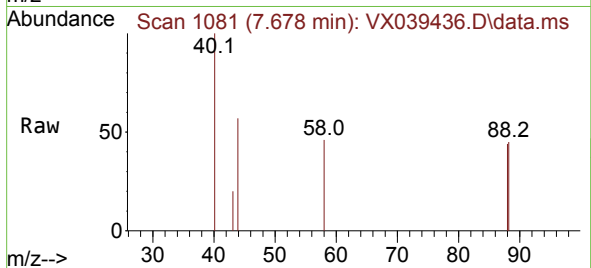
95 117.6 0.0 204.4





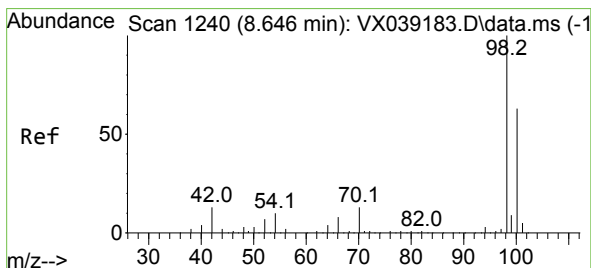
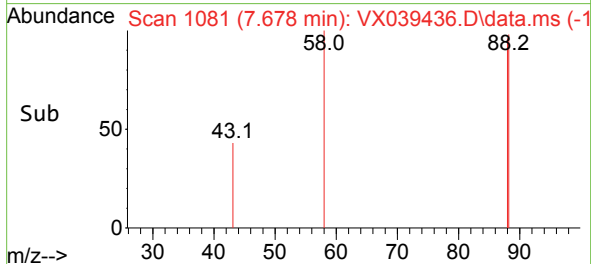
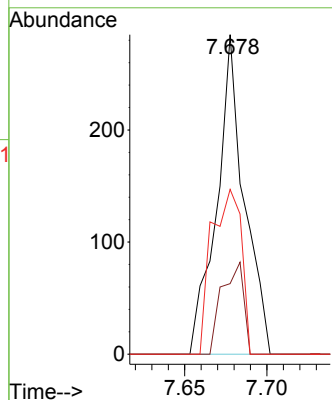
#49
 1,4-Dioxane
 Concen: 8.678 ug/l
 RT: 7.678 min Scan# 1081
 Delta R.T. 0.025 min
 Lab File: VX039436.D
 Acq: 22 Dec 2023 13:47

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 88 Resp: 331

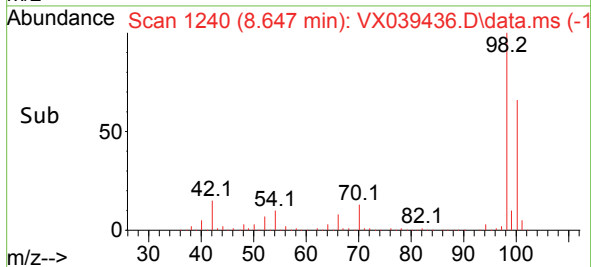
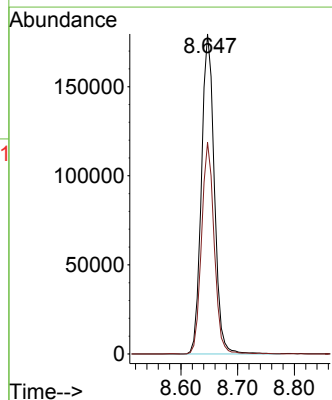
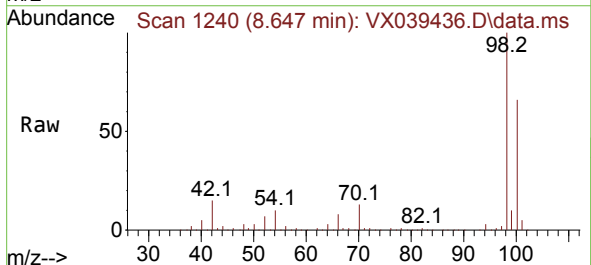
Ion	Ratio	Lower	Upper
88	100		
43	22.7	0.0	0.0#
58	55.6	60.1	90.1#

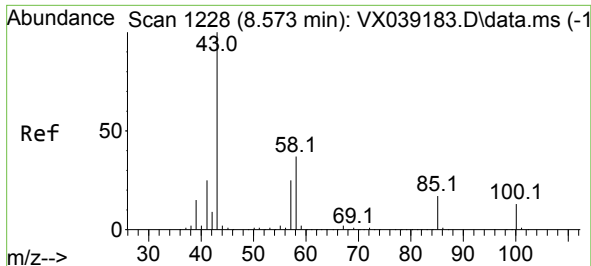


#50
 Toluene-d8
 Concen: 49.955 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX039436.D
 Acq: 22 Dec 2023 13:47

Tgt Ion: 98 Resp: 283137

Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.1	79.7

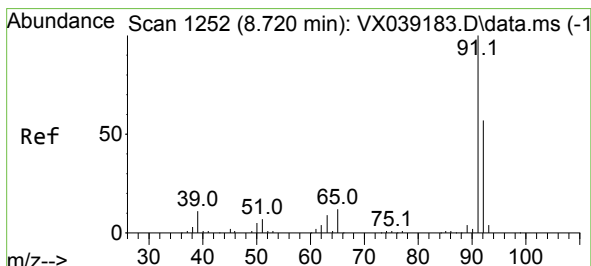
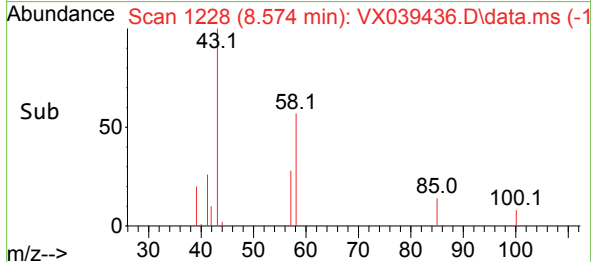
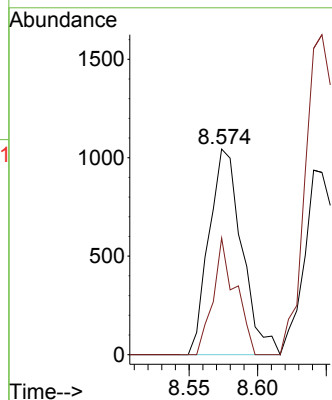
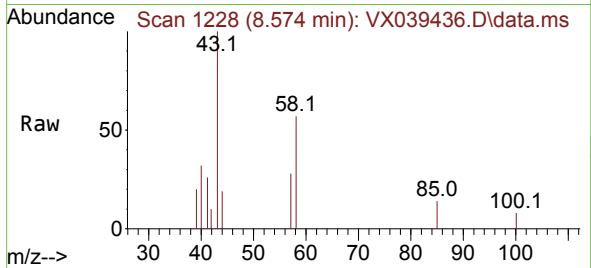




#51
4-Methyl-2-Pentanone
Concen: 0.566 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

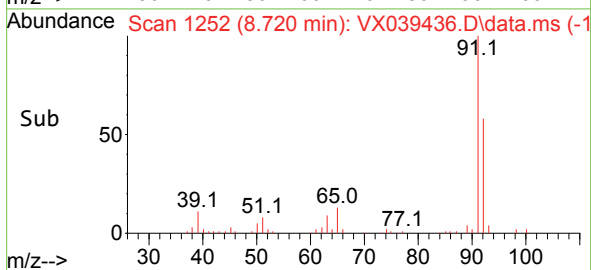
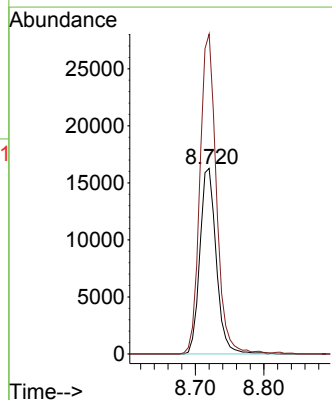
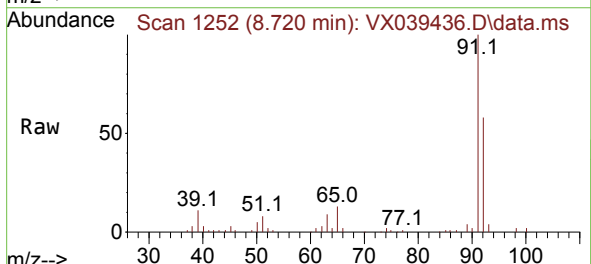
Instrument :
MSVOA_X
ClientSampleId :

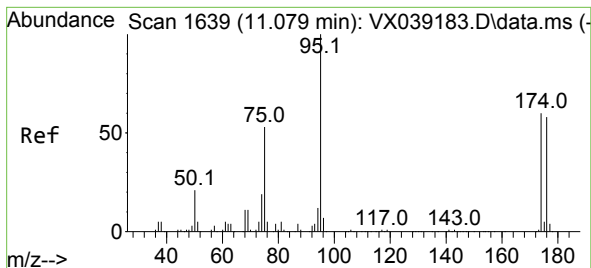
Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
58 38.7 30.4 45.6



#52
Toluene
Concen: 6.584 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

Tgt Ion: 92 Resp: 27081
Ion Ratio Lower Upper
92 100
91 173.9 134.2 201.2

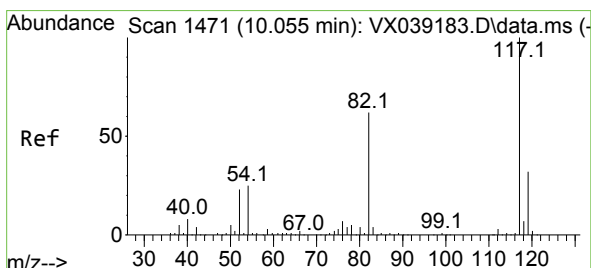
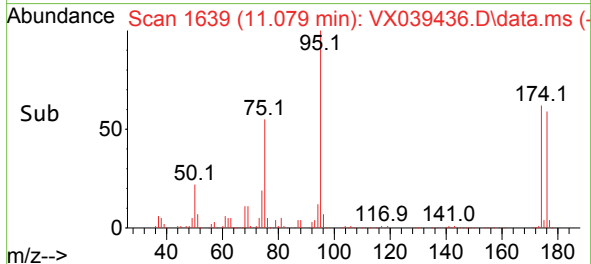
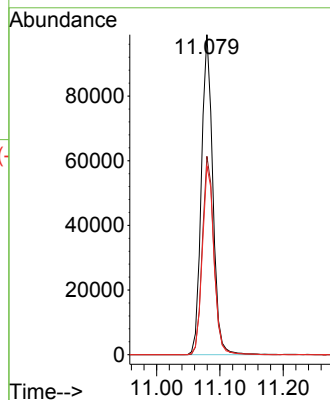
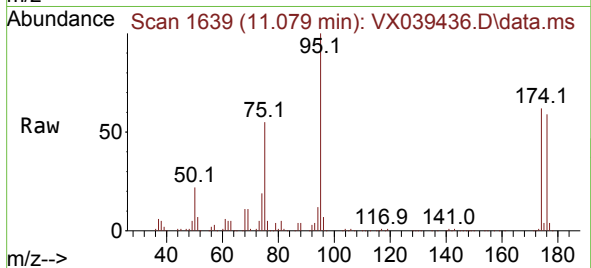




#62
4-Bromofluorobenzene
Concen: 53.237 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

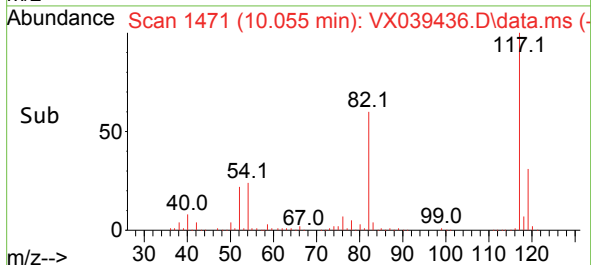
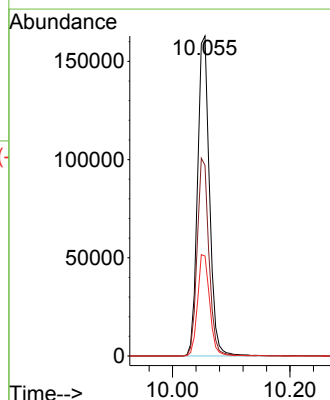
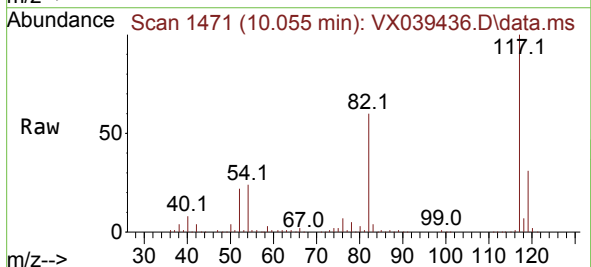
Instrument :
MSVOA_X
ClientSampleId :

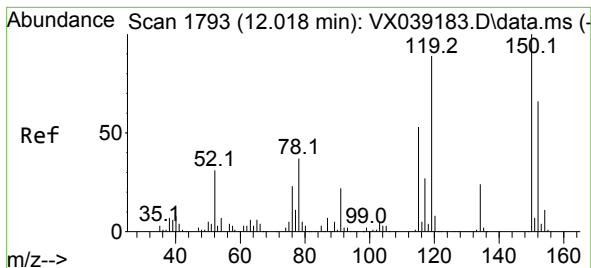
Tgt Ion: 95 Resp: 124496
Ion Ratio Lower Upper
95 100
174 62.7 0.0 135.6
176 60.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

Tgt Ion: 117 Resp: 229404
Ion Ratio Lower Upper
117 100
82 59.6 46.2 69.4
119 31.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039436.D

Acq: 22 Dec 2023 13:47

Instrument :

MSVOA_X

ClientSampleId :

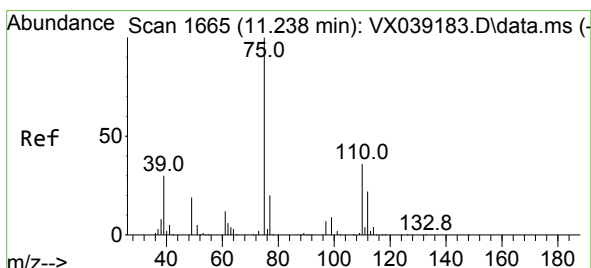
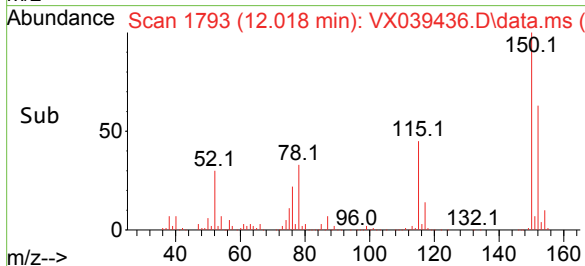
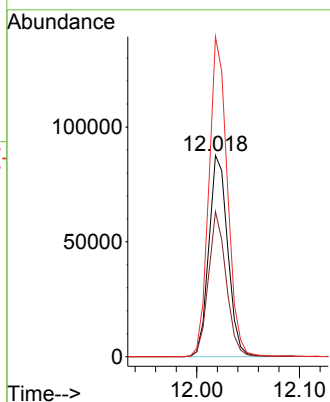
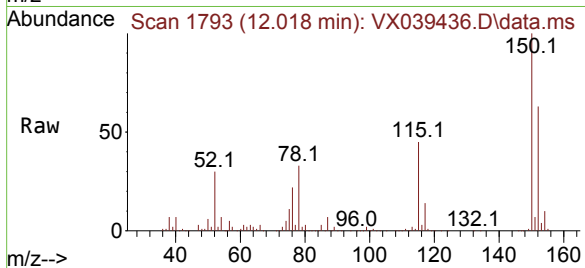
Tgt Ion:152 Resp: 111738

Ion Ratio Lower Upper

152 100

115 68.1 43.3 129.9

150 155.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.427 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039436.D

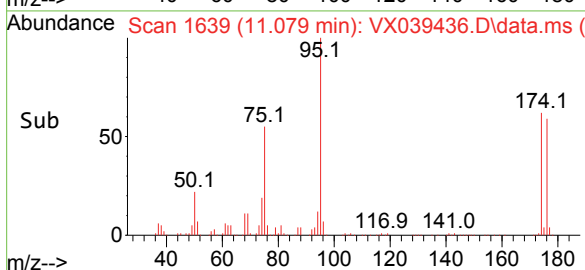
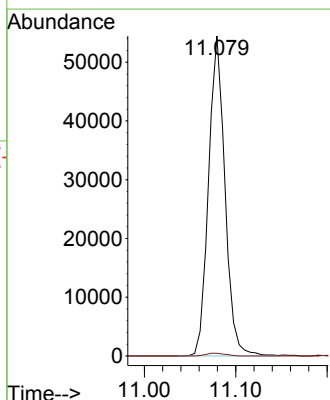
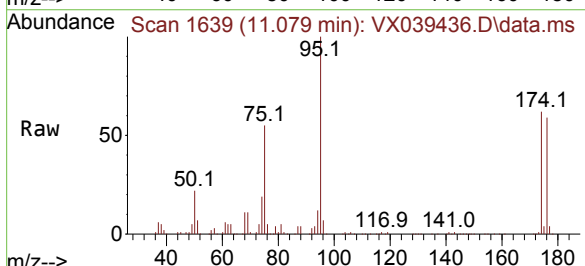
Acq: 22 Dec 2023 13:47

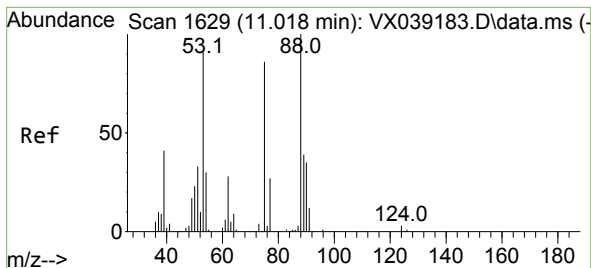
Tgt Ion: 75 Resp: 67724

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

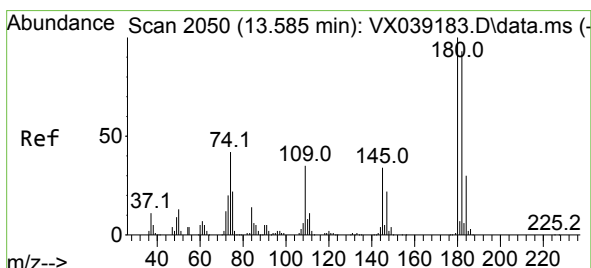
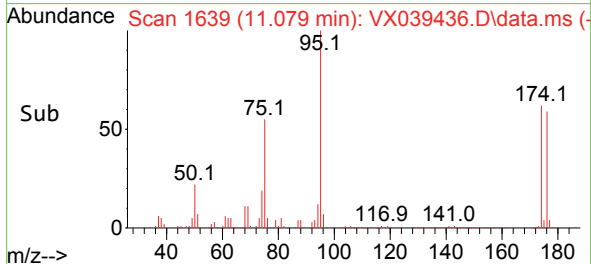
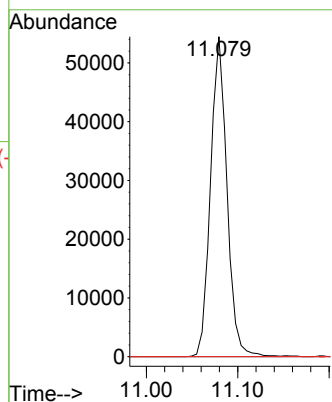
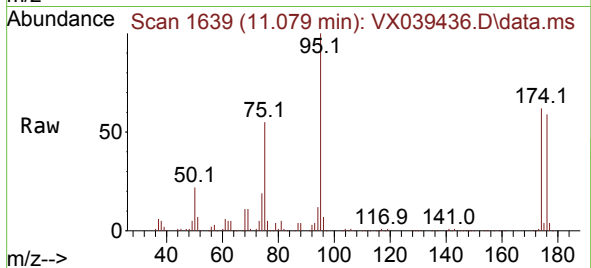




#81
trans-1,4-Dichloro-2-butene
Concen: 66.087 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

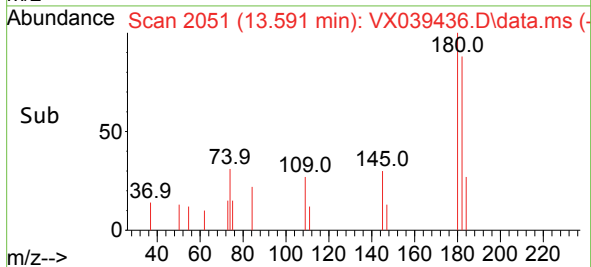
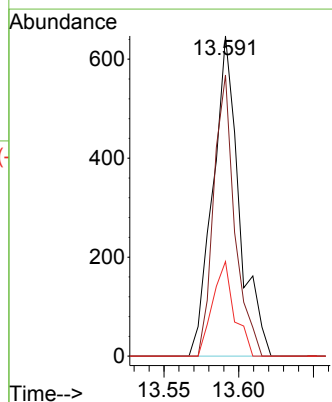
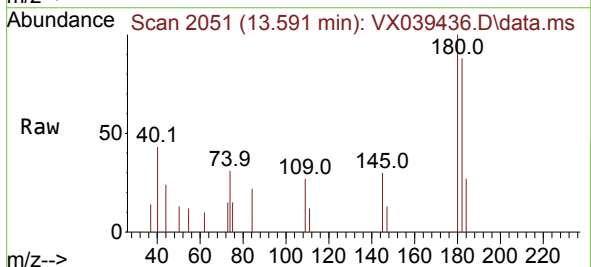
Instrument :
MSVOA_X
ClientSampleId :

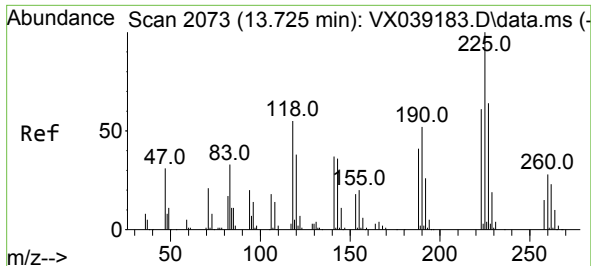
Tgt Ion: 75 Resp: 67724
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.337 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

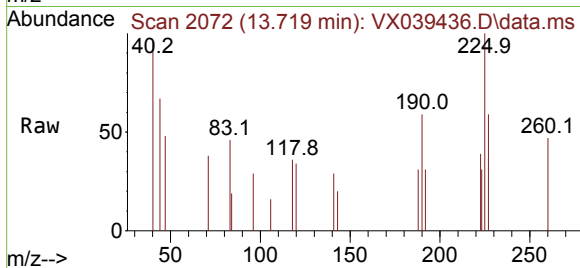
Tgt Ion:180 Resp: 791
Ion Ratio Lower Upper
180 100
182 70.3 48.3 144.8
145 24.3 18.0 54.0



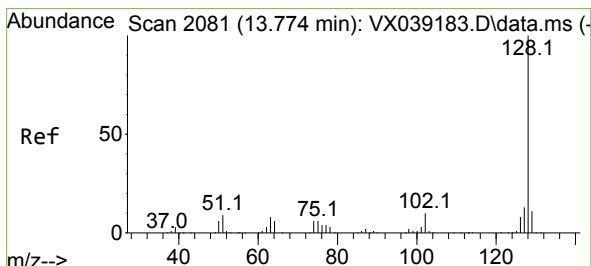
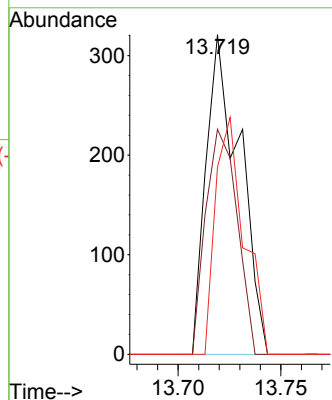
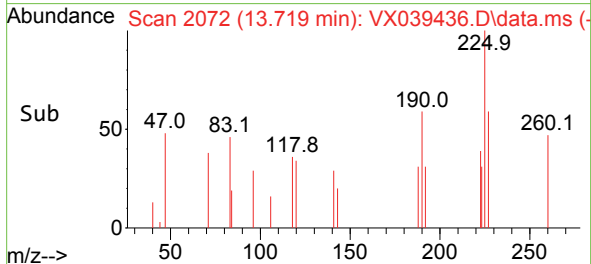


#94
Hexachlorobutadiene
Concen: 0.414 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

Instrument :
MSVOA_X
ClientSampleId :

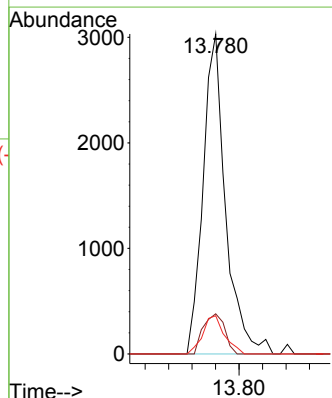
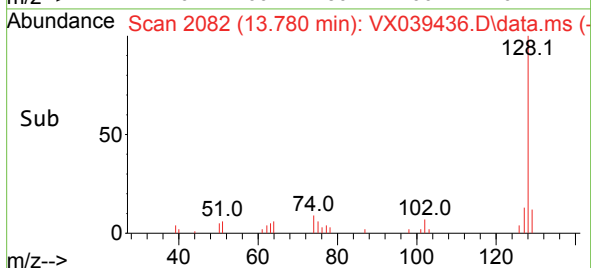
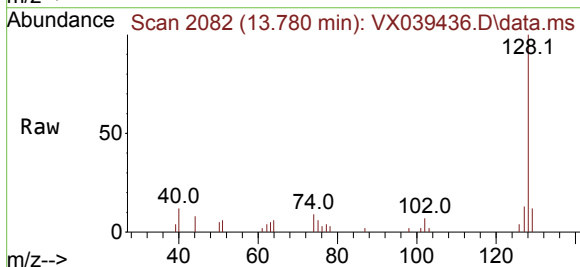


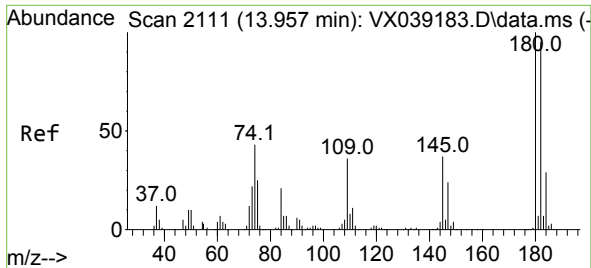
Tgt Ion:225 Resp: 366
Ion Ratio Lower Upper
225 100
223 65.6 31.1 93.2
227 63.4 32.5 97.5



#95
Naphthalene
Concen: 0.493 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039436.D
Acq: 22 Dec 2023 13:47

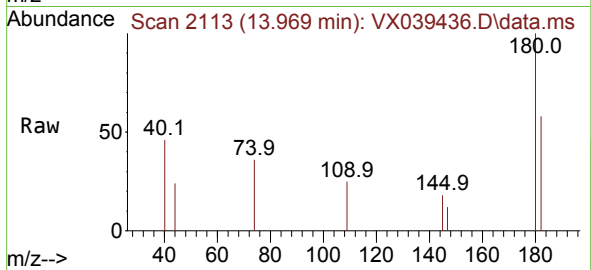
Tgt Ion:128 Resp: 4028
Ion Ratio Lower Upper
128 100
127 11.9 10.3 15.5
129 11.6 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.293 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.013 min
 Lab File: VX039436.D
 Acq: 22 Dec 2023 13:47

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	663
Ion	Ratio	Lower	Upper
180	100		
182	72.5	46.9	140.6
145	25.9	17.8	53.5

