

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037318.D
 Acq On : 29 Aug 2023 04:21
 Operator : JC/MD
 Sample : 04126-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20230821

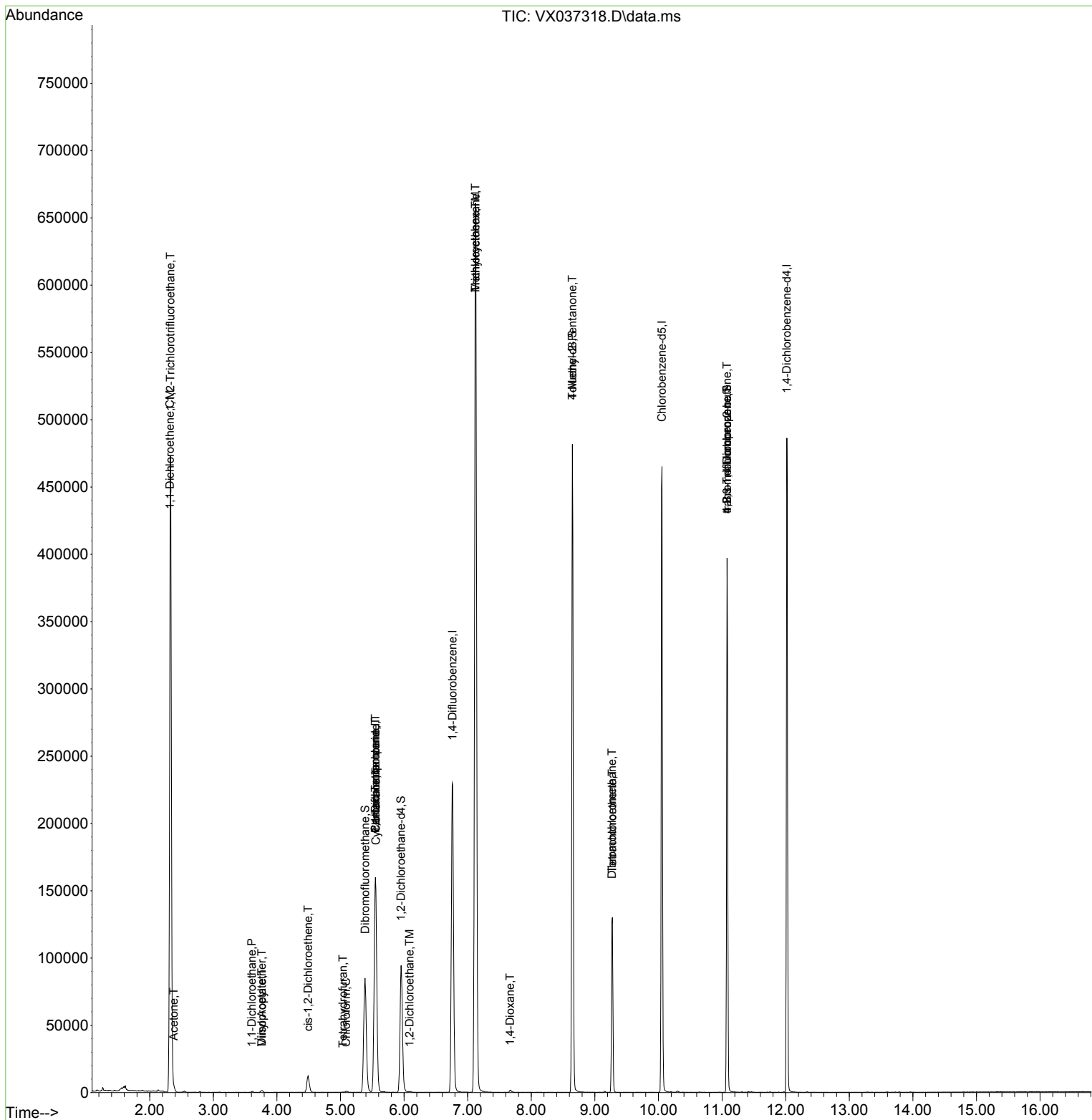
Quant Time: Aug 29 07:20:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

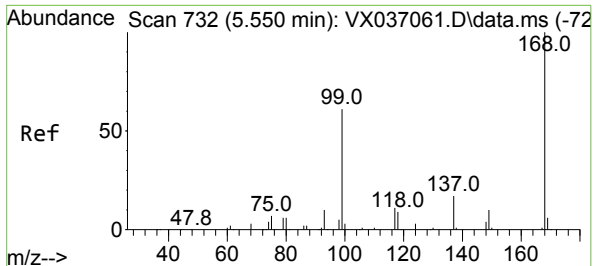
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	152150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	249525	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92455	42.149	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.300%
35) Dibromofluoromethane	5.385	113	75949	45.959	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.920%
50) Toluene-d8	8.647	98	292275	48.758	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.520%
62) 4-Bromofluorobenzene	11.079	95	108627	46.112	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.220%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	191256	118.914	ug/l	96
12) 1,1-Dichloroethene	2.319	96	3118	1.991	ug/l #	78
16) Acetone	2.380	43	684	0.797	ug/l #	78
22) Diisopropyl ether	3.764	45	1504	0.302	ug/l #	66
23) Vinyl Acetate	3.764	43	821	0.215	ug/l #	73
24) 1,1-Dichloroethane	3.605	63	919	0.295	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	8490	4.045	ug/l	79
29) Tetrahydrofuran	5.038	42	235	0.285	ug/l #	55
30) Chloroform	5.086	83	1103	0.315	ug/l #	77
31) Cyclohexane	5.556	56	2972	1.205	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11585	4.934	ug/l #	51
38) Carbon Tetrachloride	5.550	117	15794	6.193	ug/l #	16
39) Methylcyclohexane	7.123	83	3166	1.283	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	758	0.287	ug/l #	77
44) Trichloroethene	7.123	130	265568	139.089	ug/l	98
49) 1,4-Dioxane	7.665	88	1521	30.414	ug/l #	91
51) 4-Methyl-2-Pentanone	8.647	43	1081	0.468	ug/l #	1
60) Dibromochloromethane	9.269	129	24690	12.801	ug/l #	11
64) Tetrachloroethene	9.275	164	25237	15.576	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	53770	24.658	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53770	68.870	ug/l #	5

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

Quant Time: Aug 29 07:20:00 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

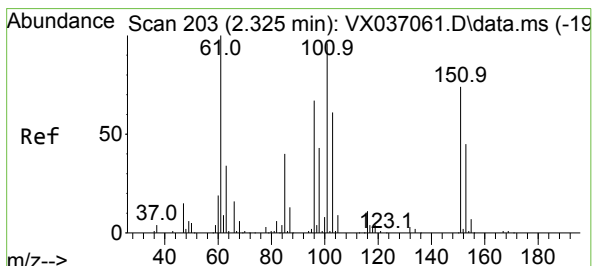
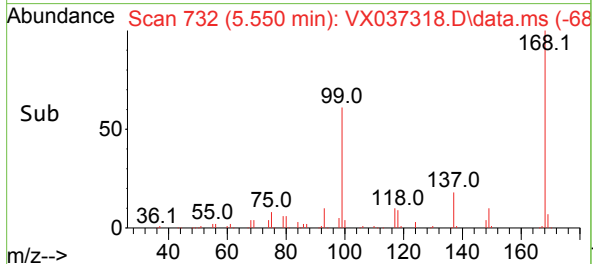
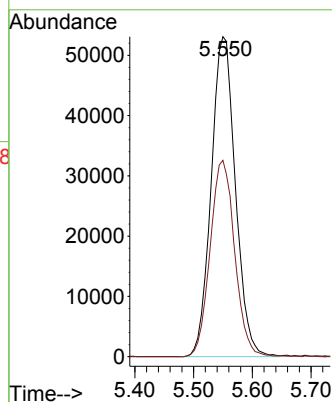
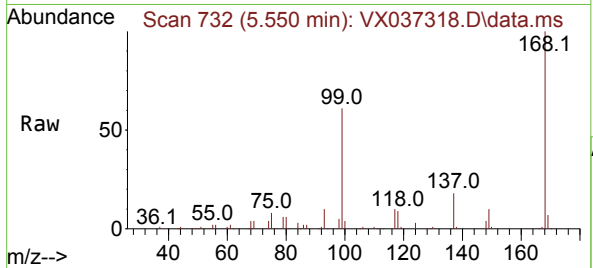




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

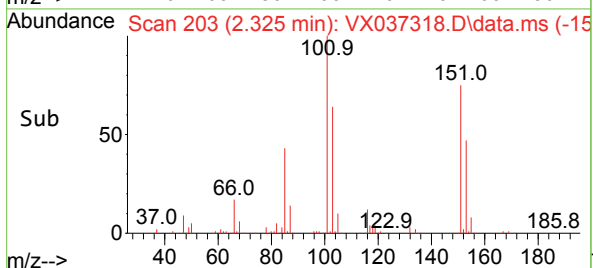
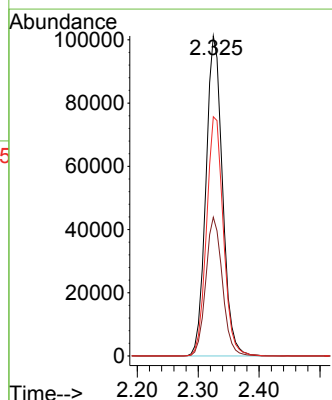
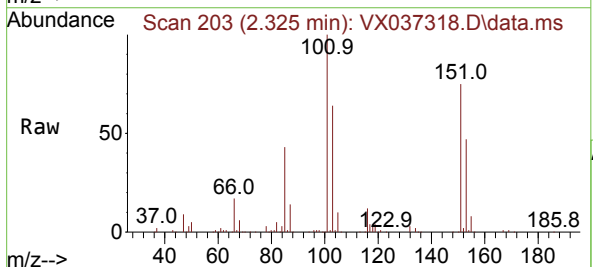
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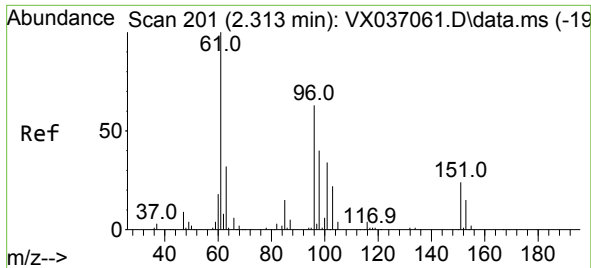
Tgt Ion:168 Resp: 152150
Ion Ratio Lower Upper
168 100
99 61.4 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 118.914 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

Tgt Ion:101 Resp: 191256
Ion Ratio Lower Upper
101 100
85 43.4 37.0 55.6
151 75.8 58.6 87.8

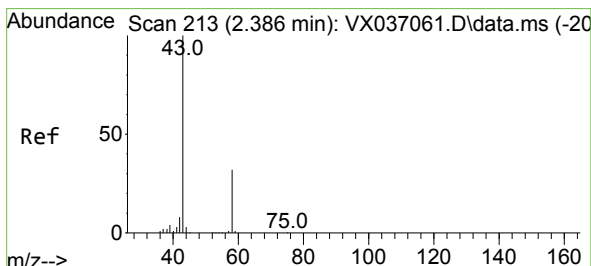
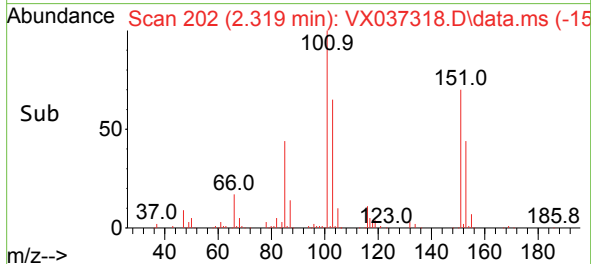
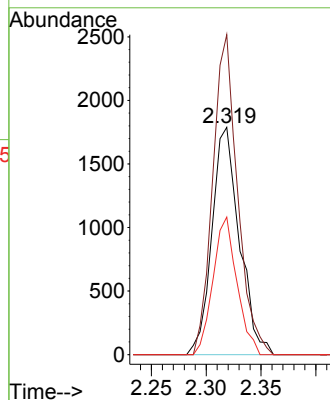
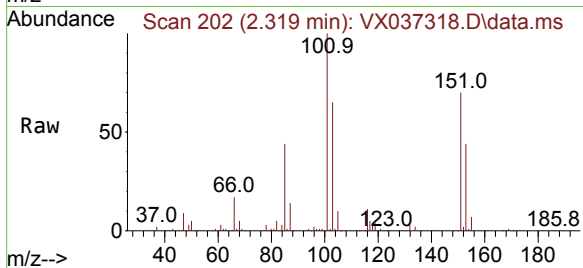




#12
 1,1-Dichloroethene
 Concen: 1.991 ug/l
 RT: 2.319 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VX037318.D
 Acq: 29 Aug 2023 04:21

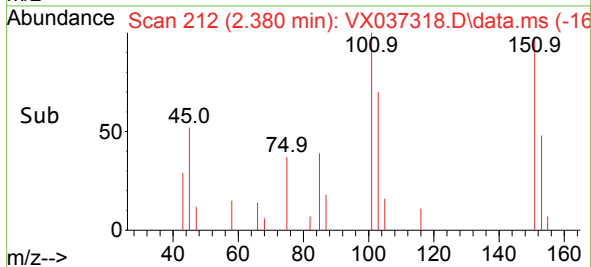
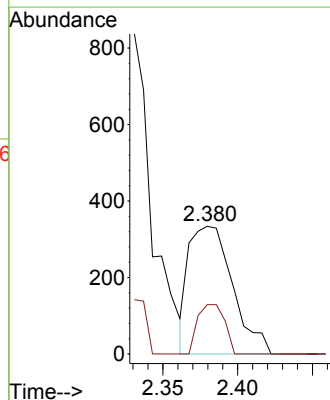
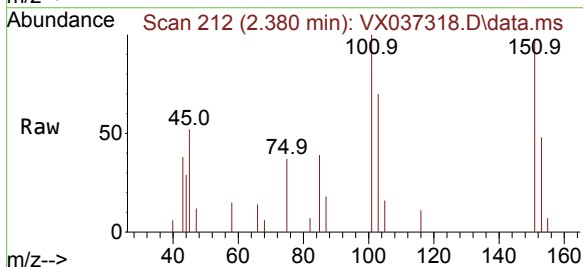
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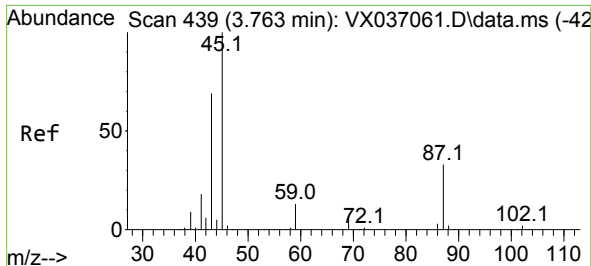
Tgt Ion: 96 Resp: 3118
 Ion Ratio Lower Upper
 96 100
 61 140.8 144.6 216.8#
 98 60.5 50.4 75.6



#16
 Acetone
 Concen: 0.797 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX037318.D
 Acq: 29 Aug 2023 04:21

Tgt Ion: 43 Resp: 684
 Ion Ratio Lower Upper
 43 100
 58 38.6 21.9 32.9#

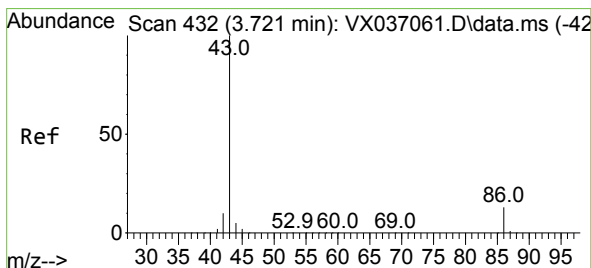
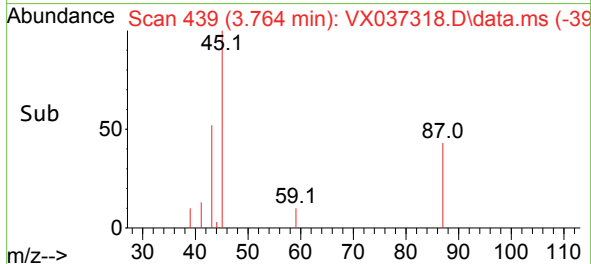
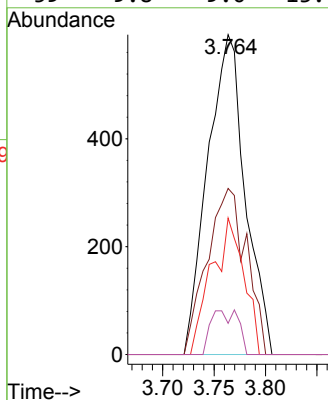
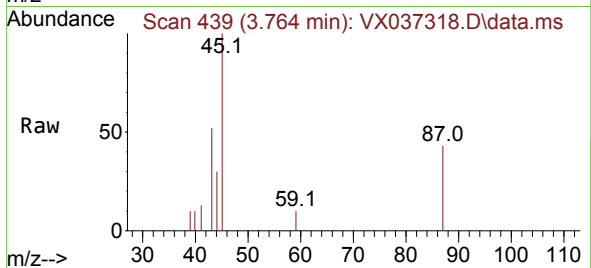




#22
Diisopropyl ether
Concen: 0.302 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

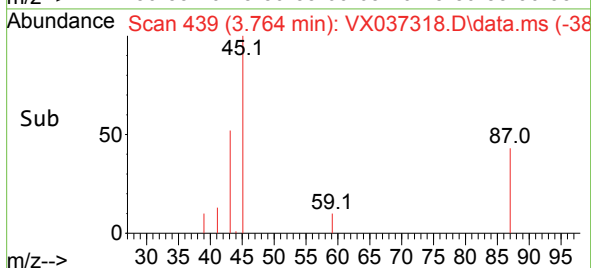
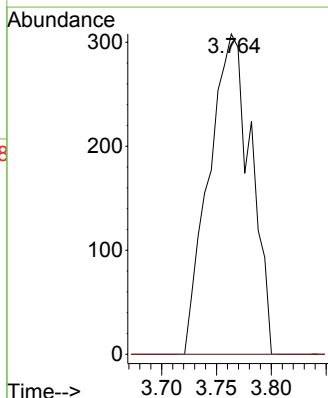
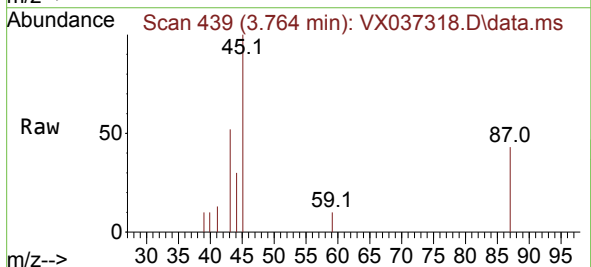
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230821

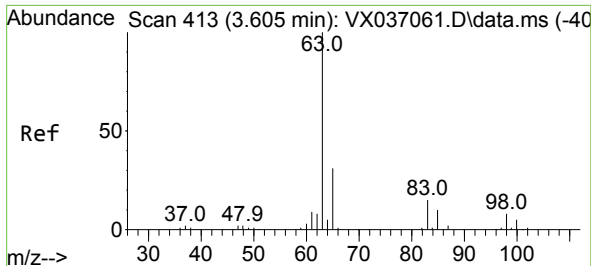
Tgt Ion:	45	Resp:	1504
Ion	Ratio	Lower	Upper
45	100		
43	51.9	69.7	104.5#
87	42.7	20.8	31.2#
59	9.8	9.0	13.4



#23
Vinyl Acetate
Concen: 0.215 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.043 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

Tgt Ion:	43	Resp:	821
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8#

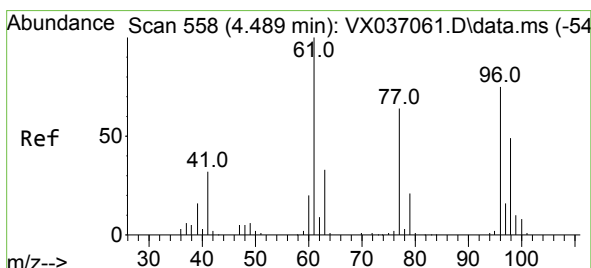
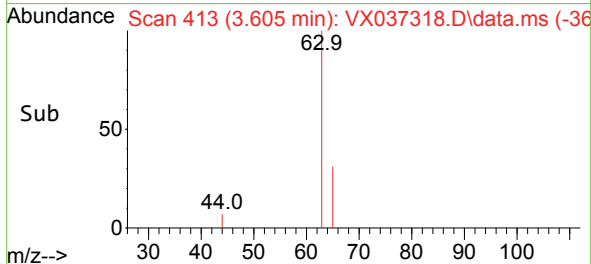
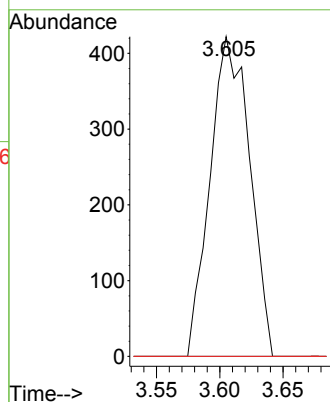
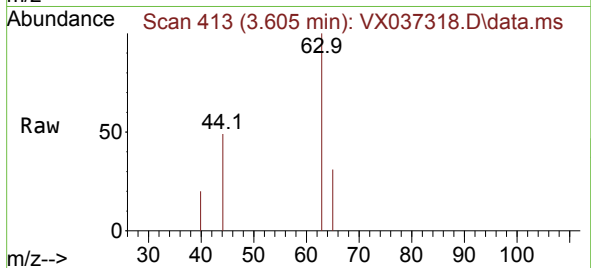




#24
1,1-Dichloroethane
Concen: 0.295 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

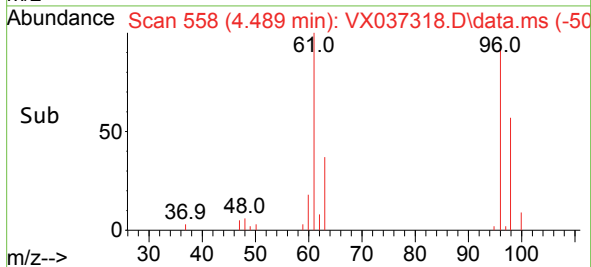
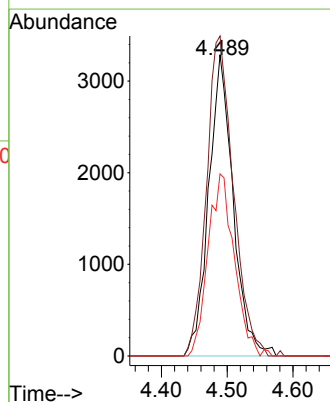
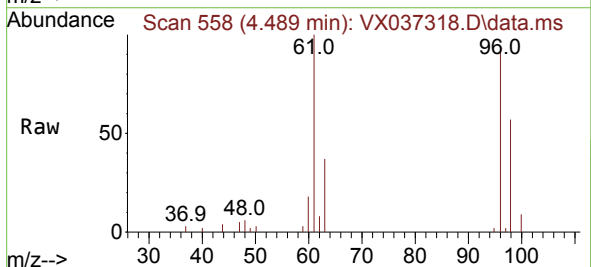
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230821

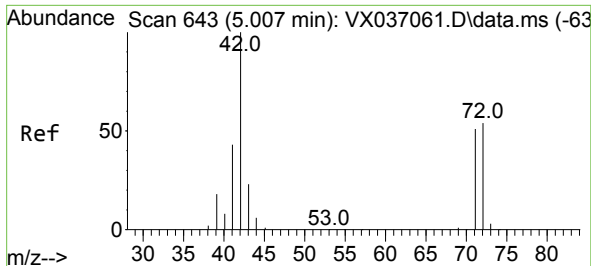
Tgt Ion: 63 Resp: 919
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 4.045 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

Tgt Ion: 96 Resp: 8490
Ion Ratio Lower Upper
96 100
61 116.7 0.0 312.2
98 64.5 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.285 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX037318.D

Acq: 29 Aug 2023 04:21

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20230821

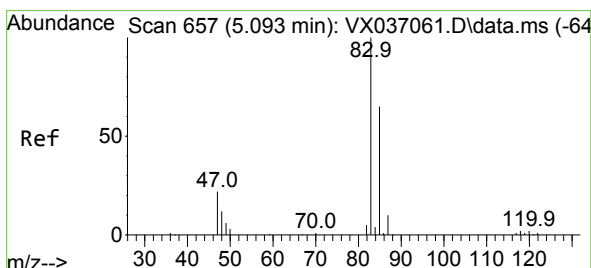
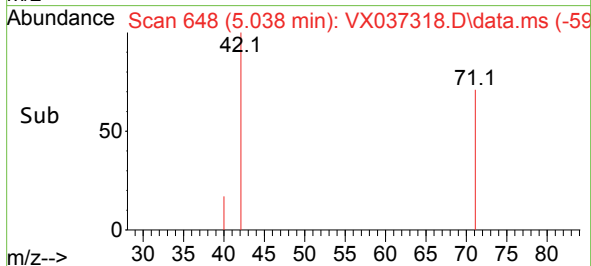
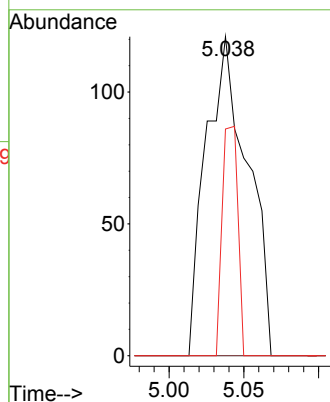
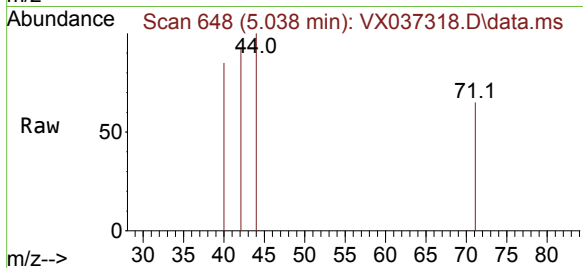
Tgt Ion: 42 Resp: 235

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 26.8 32.2 48.2#



#30

Chloroform

Concen: 0.315 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX037318.D

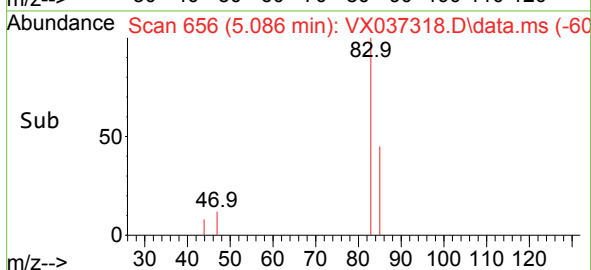
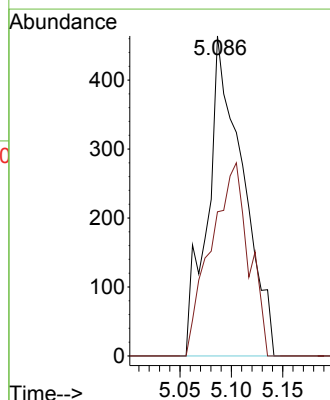
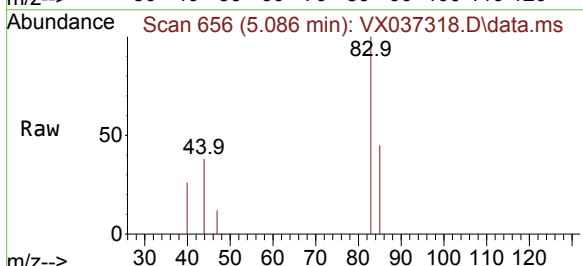
Acq: 29 Aug 2023 04:21

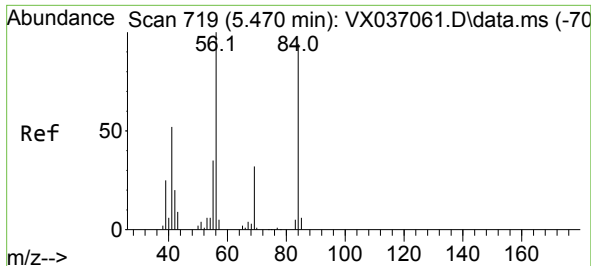
Tgt Ion: 83 Resp: 1103

Ion Ratio Lower Upper

83 100

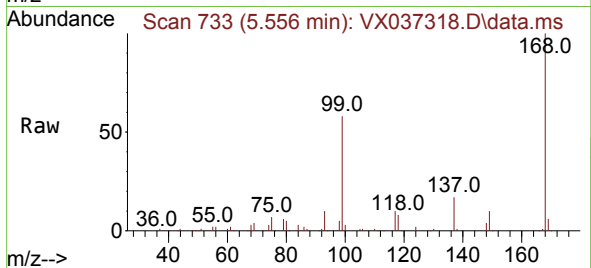
85 45.0 50.3 75.5#



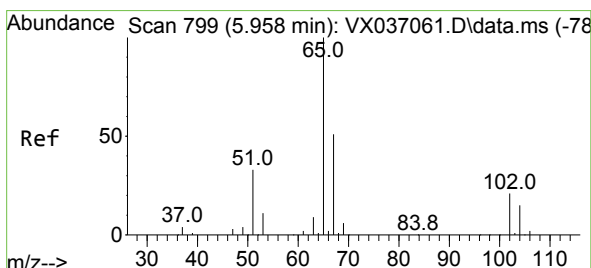
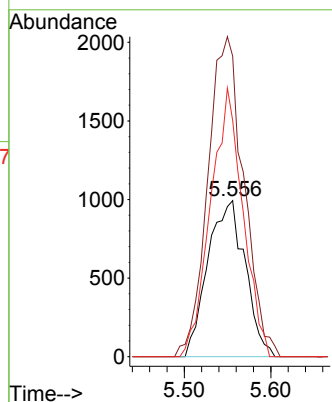
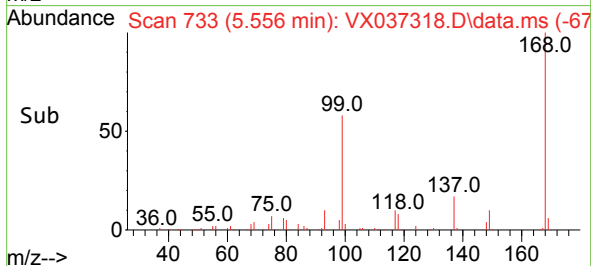


#31
Cyclohexane
Concen: 1.205 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

Instrument :
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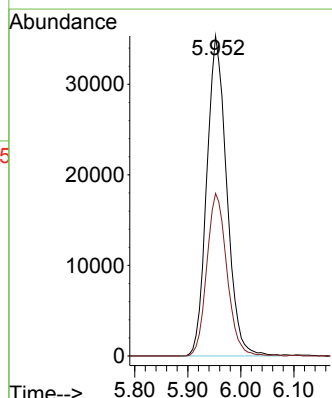
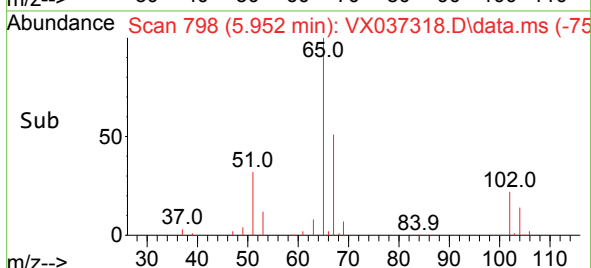
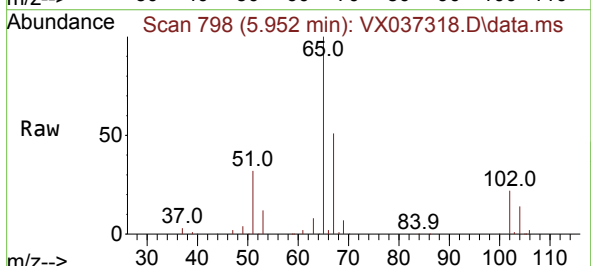


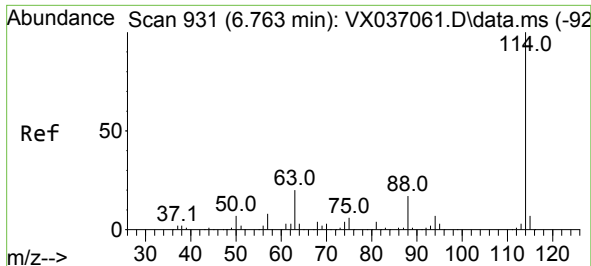
Tgt Ion: 56 Resp: 2972
Ion Ratio Lower Upper
56 100
69 192.5 23.4 35.2#
84 151.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.149 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

Tgt Ion: 65 Resp: 92455
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

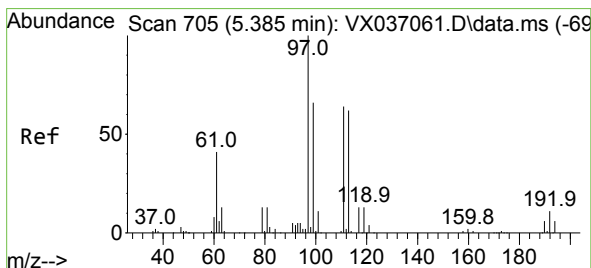
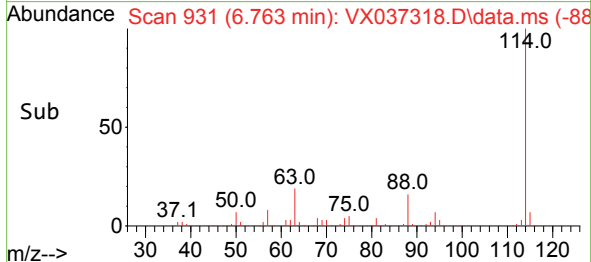
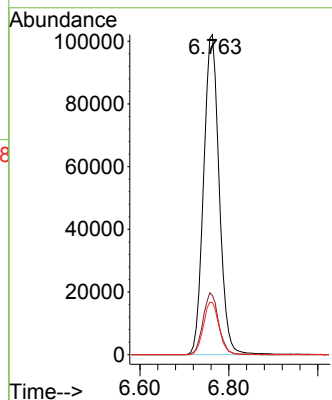
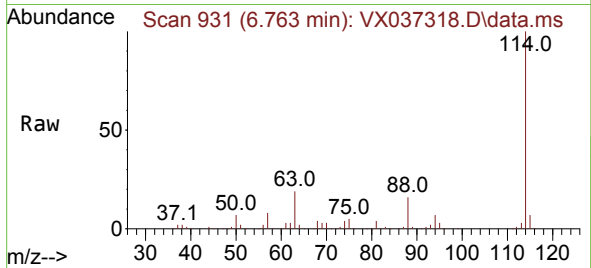




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

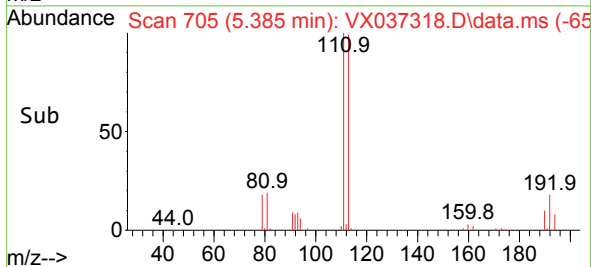
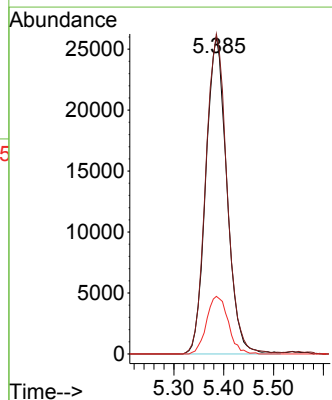
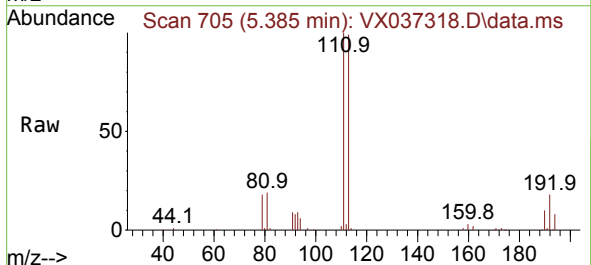
Instrument :
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RE131D2-20230821

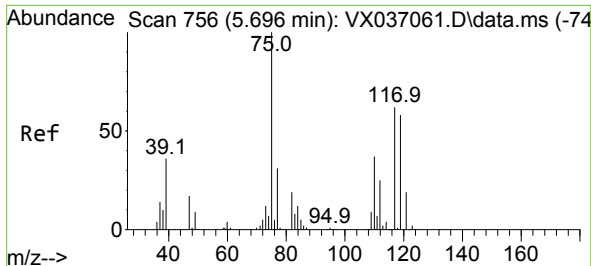
Tgt Ion:114 Resp: 249525
Ion Ratio Lower Upper
114 100
63 18.6 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.959 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

Tgt Ion:113 Resp: 75949
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 18.8 13.3 19.9

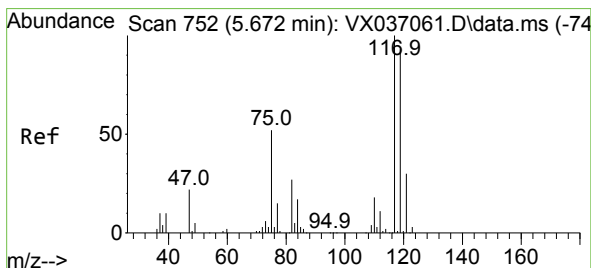
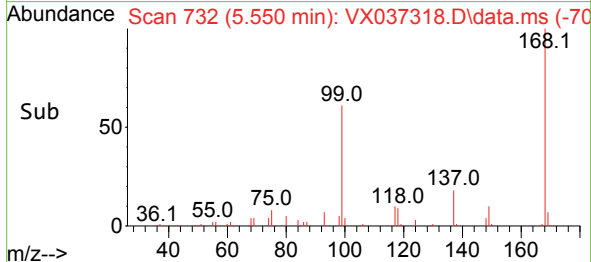
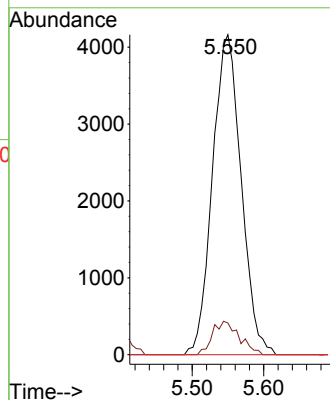
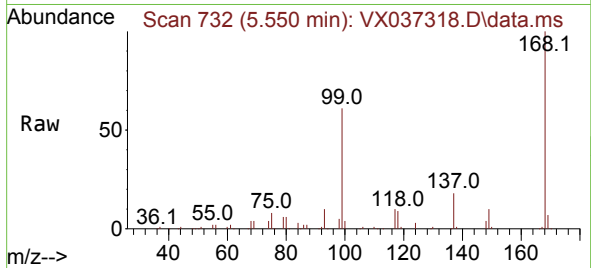




#36
1,1-Dichloropropene
Concen: 4.934 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

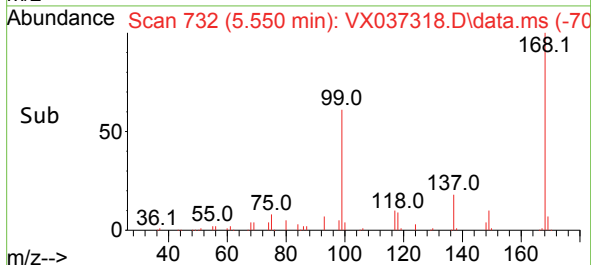
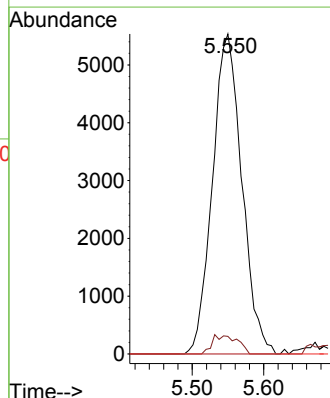
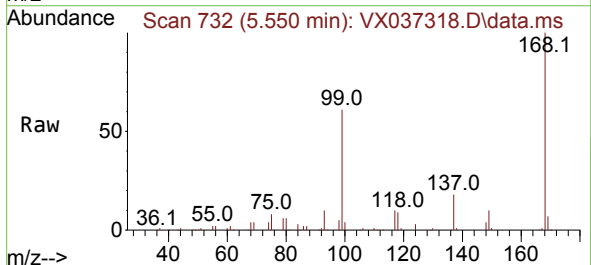
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230821

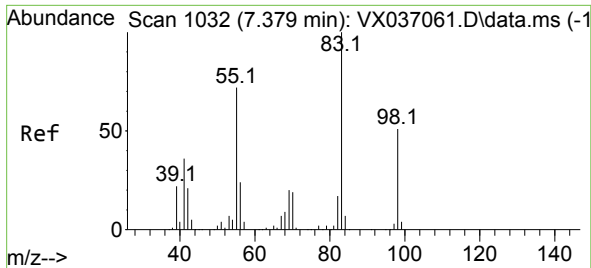
Tgt Ion: 75 Resp: 11585
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.193 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

Tgt Ion: 117 Resp: 15794
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 1.283 ug/l

RT: 7.123 min Scan# 99

Delta R.T. -0.256 min

Lab File: VX037318.D

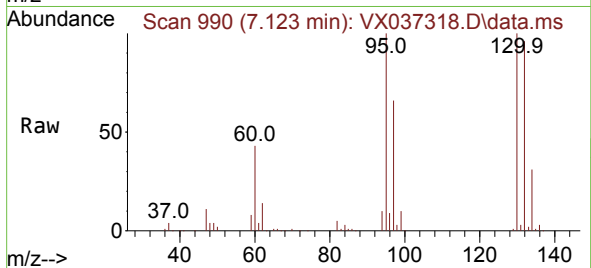
Acq: 29 Aug 2023 04:21

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20230821



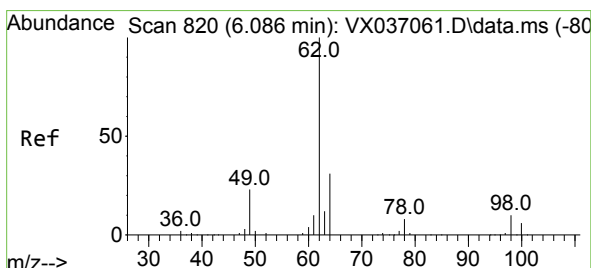
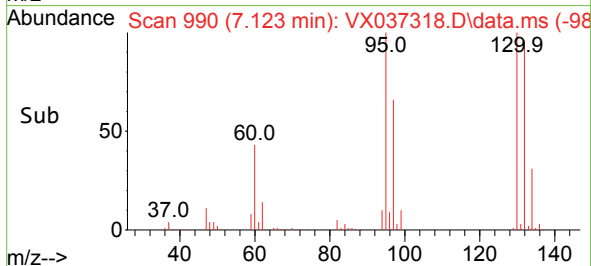
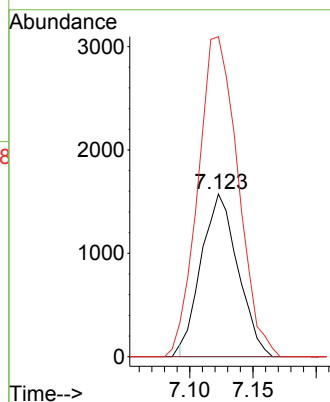
Tgt Ion: 83 Resp: 3166

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 196.7 36.7 55.1#



#42

1,2-Dichloroethane

Concen: 0.287 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX037318.D

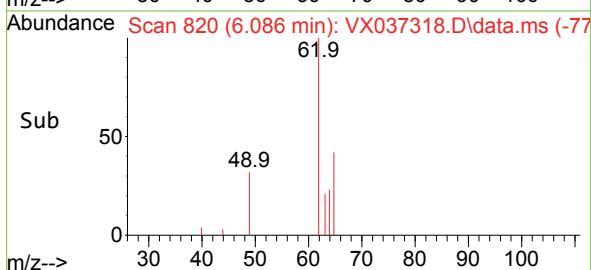
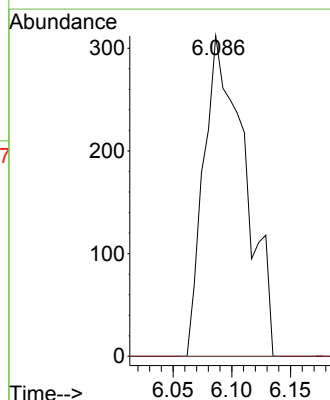
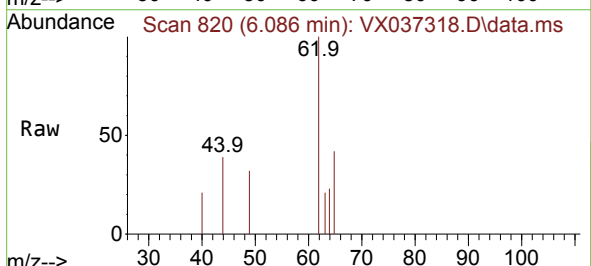
Acq: 29 Aug 2023 04:21

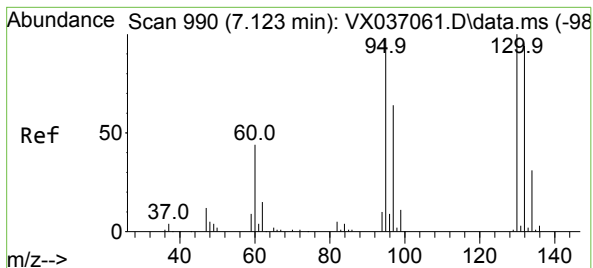
Tgt Ion: 62 Resp: 758

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0





#44

Trichloroethene

Concen: 139.089 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX037318.D

Acq: 29 Aug 2023 04:21

Instrument :

MSVOA_X

ClientSampleId :

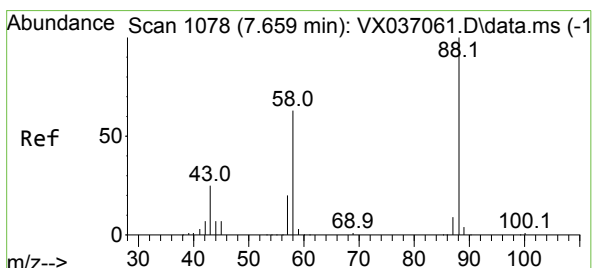
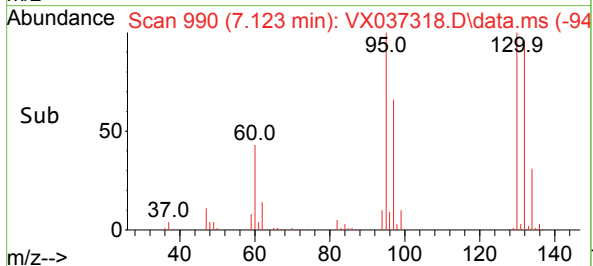
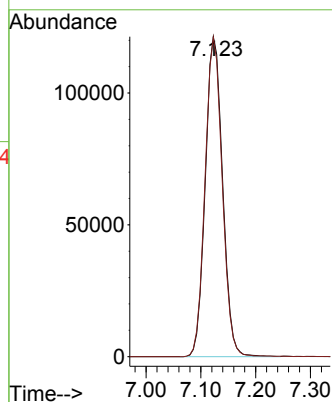
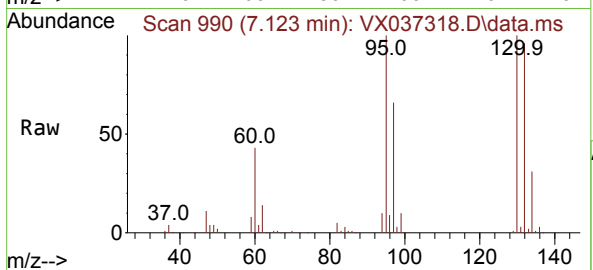
RE131D2-20230821

Tgt Ion:130 Resp: 265568

Ion Ratio Lower Upper

130 100

95 99.8 0.0 204.4



#49

1,4-Dioxane

Concen: 30.414 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VX037318.D

Acq: 29 Aug 2023 04:21

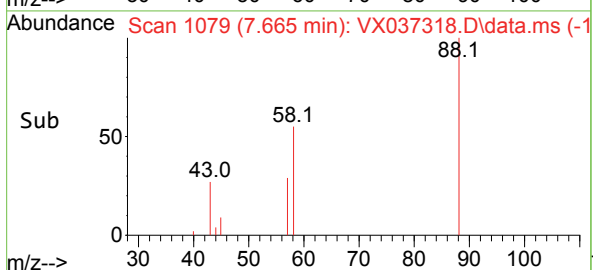
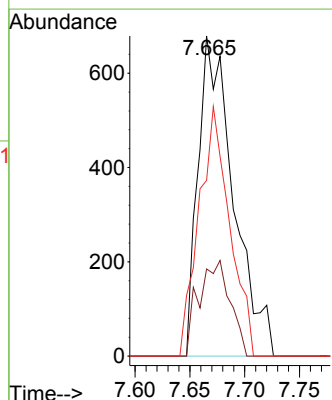
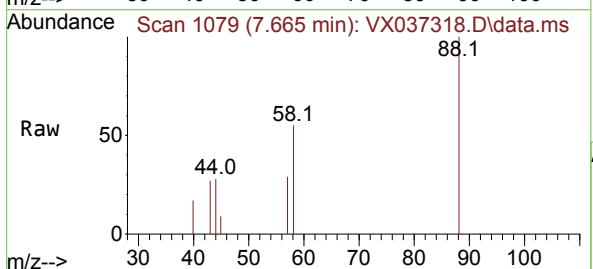
Tgt Ion: 88 Resp: 1521

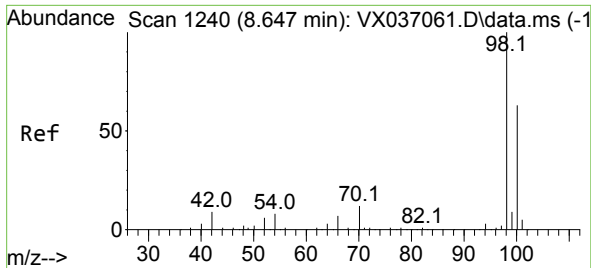
Ion Ratio Lower Upper

88 100

43 26.5 0.0 0.0#

58 67.9 60.1 90.1

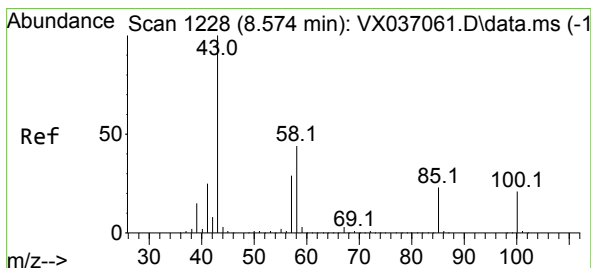
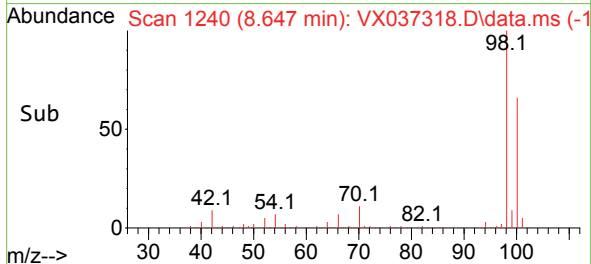
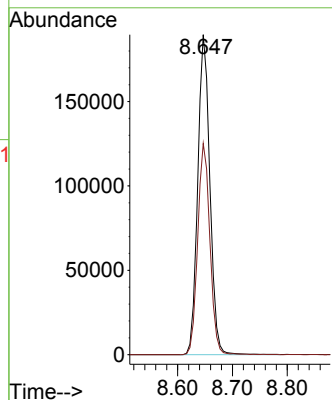
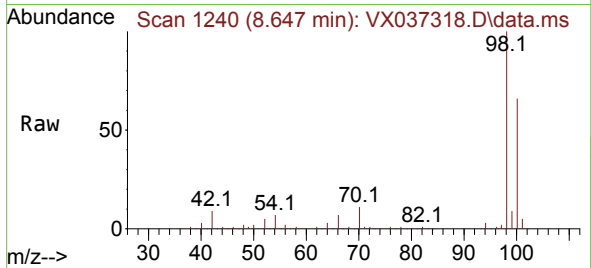




#50
Toluene-d8
Concen: 48.758 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

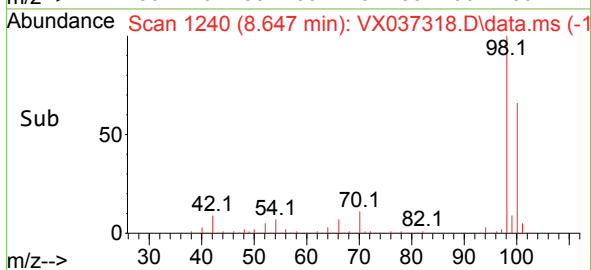
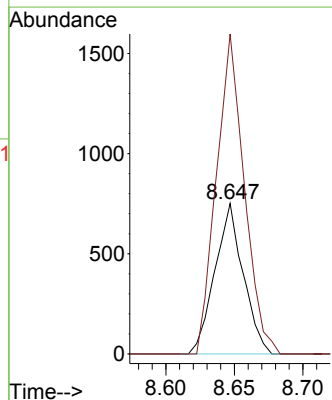
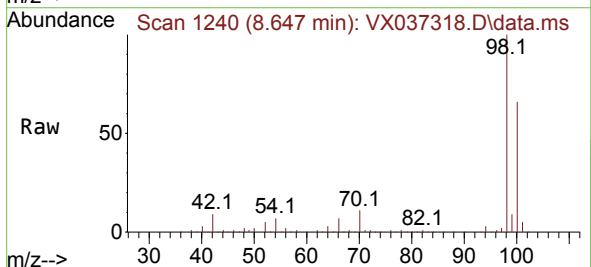
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230821

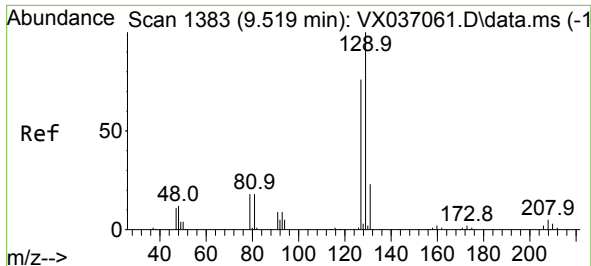
Tgt Ion: 98 Resp: 292275
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
58 209.0 30.4 45.6#

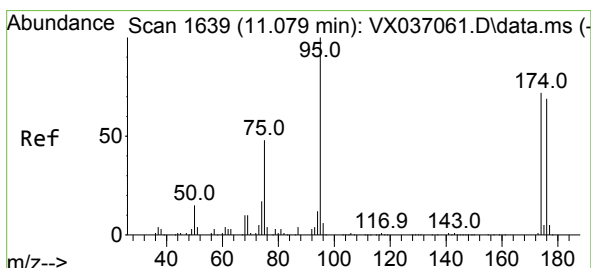
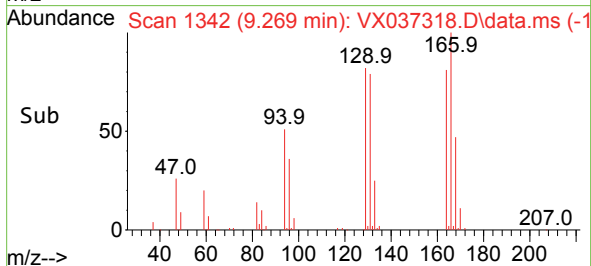
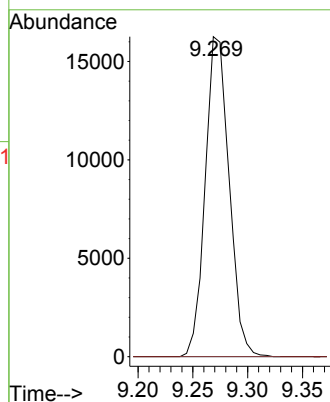
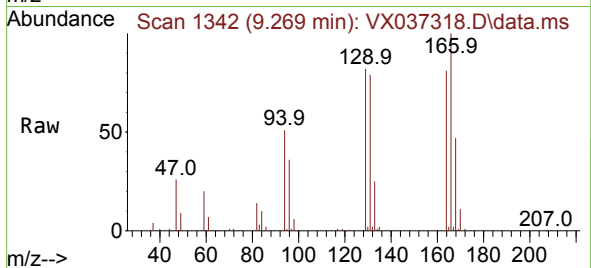




#60
Dibromochloromethane
Concen: 12.801 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

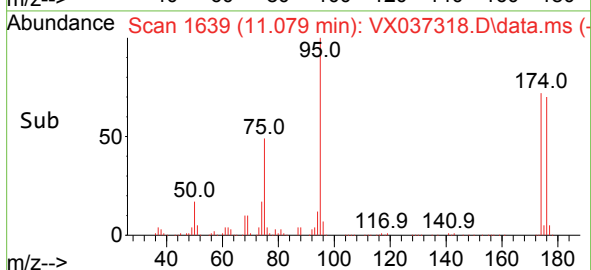
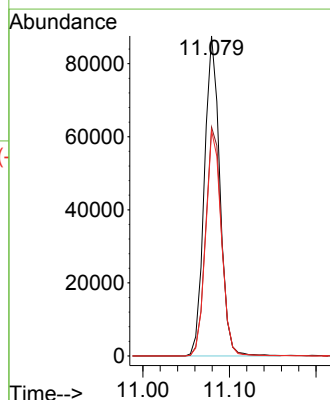
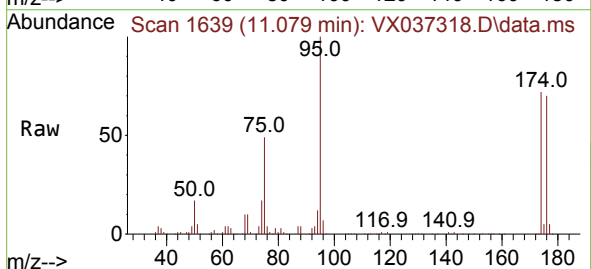
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230821

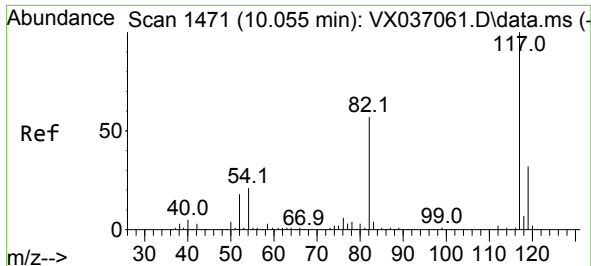
Tgt Ion:129 Resp: 24690
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 46.112 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

Tgt Ion: 95 Resp: 108627
Ion Ratio Lower Upper
95 100
174 73.5 0.0 135.6
176 71.2 0.0 131.0

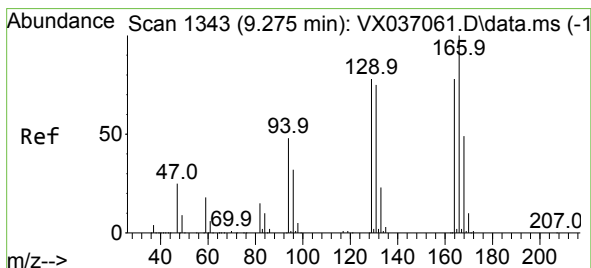
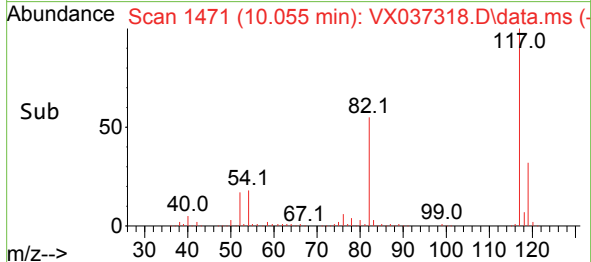
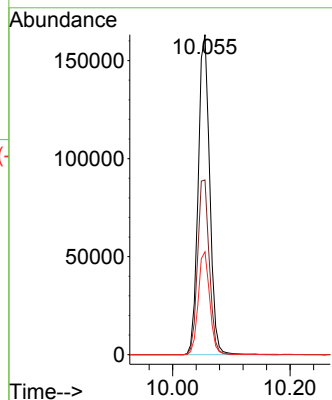
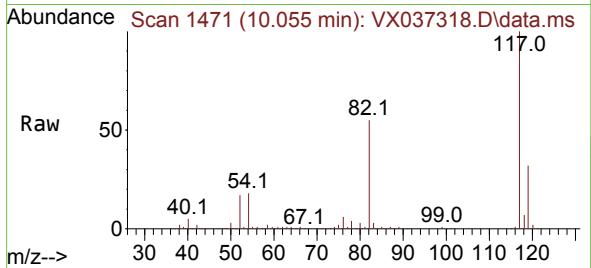




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

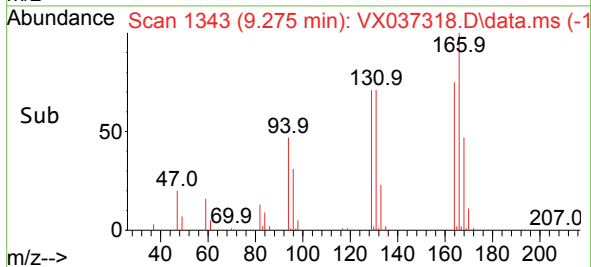
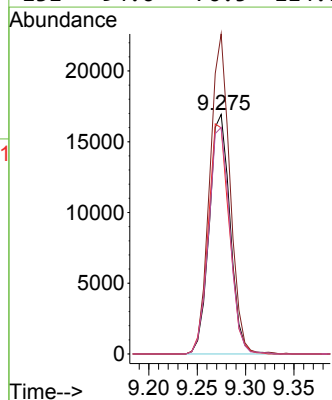
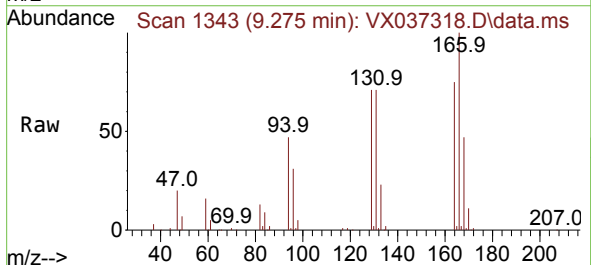
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20230821

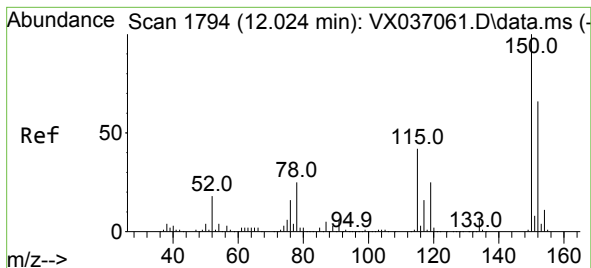
Tgt Ion:117 Resp: 222105
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 15.576 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037318.D
Acq: 29 Aug 2023 04:21

Tgt Ion:164 Resp: 25237
Ion Ratio Lower Upper
164 100
166 133.6 102.7 154.1
129 94.4 80.4 120.6
131 94.6 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX037318.D

Acq: 29 Aug 2023 04:21

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20230821

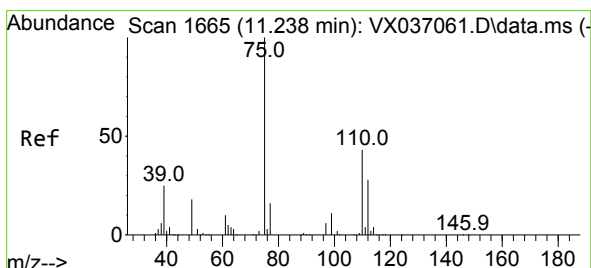
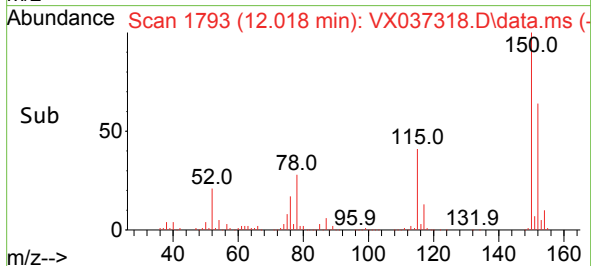
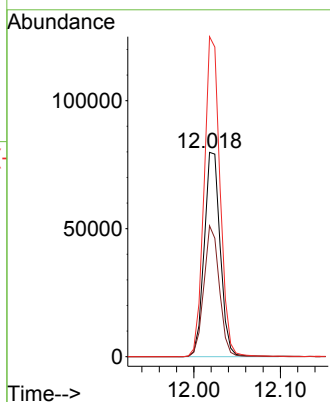
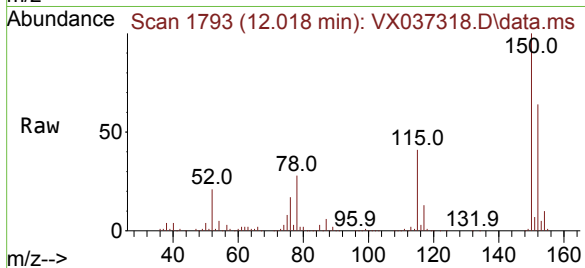
Tgt Ion:152 Resp: 102394

Ion Ratio Lower Upper

152 100

115 62.1 43.3 129.9

150 156.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.658 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037318.D

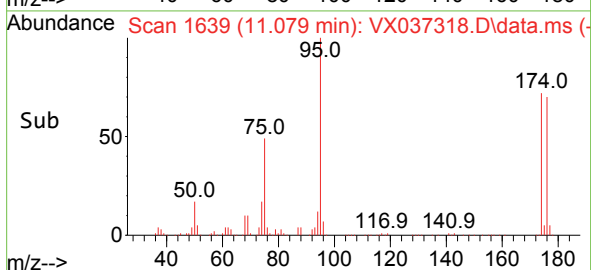
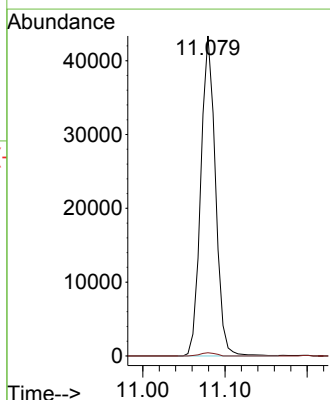
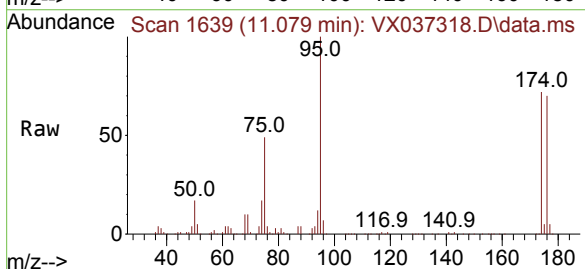
Acq: 29 Aug 2023 04:21

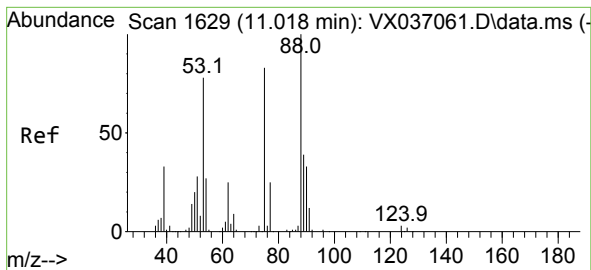
Tgt Ion: 75 Resp: 53770

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.870 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037318.D
 Acq: 29 Aug 2023 04:21

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20230821

Tgt Ion: 75 Resp: 53770
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

