

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037325.D
 Acq On : 29 Aug 2023 07:10
 Operator : JC/MD
 Sample : 04126-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20230821

Quant Time: Aug 29 08:22:01 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

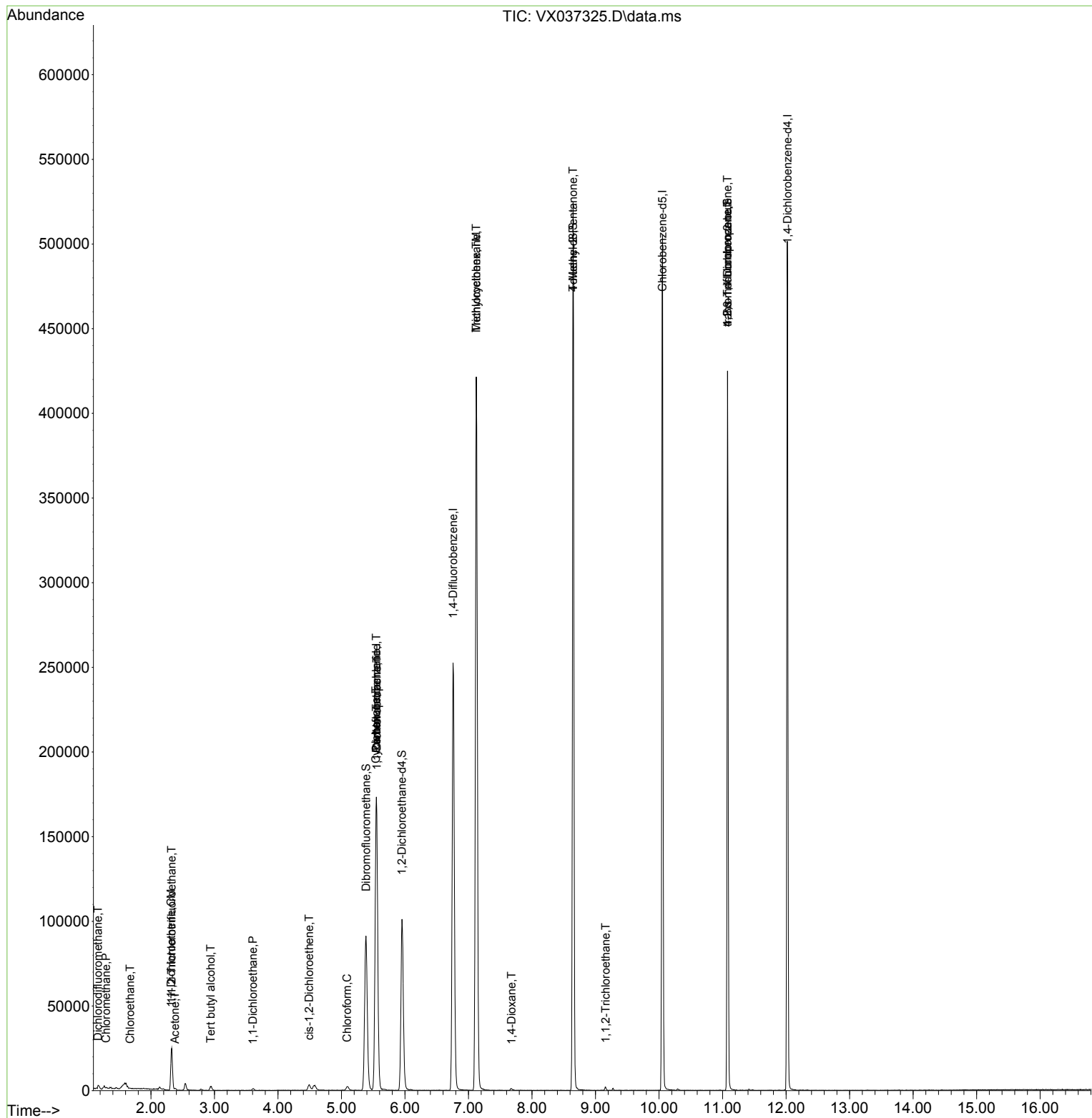
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	163122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	268555	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100515	42.742	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.480%
35) Dibromofluoromethane	5.385	113	81764	45.972	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.940%
50) Toluene-d8	8.647	98	314464	48.742	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.480%
62) 4-Bromofluorobenzene	11.079	95	114554	45.182	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1051	0.555	ug/l	97
3) Chloromethane	1.295	50	491	0.296	ug/l #	85
6) Chloroethane	1.672	64	323	0.304	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	8483	4.920	ug/l	96
11) Tert butyl alcohol	2.941	59	1602	2.904	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	2276	1.355	ug/l	87
16) Acetone	2.380	43	922	1.002	ug/l	99
24) 1,1-Dichloroethane	3.605	63	1434	0.429	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	2593	1.152	ug/l	75
30) Chloroform	5.087	83	3101	0.826	ug/l	97
31) Cyclohexane	5.544	56	3272	1.237	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	12681	5.018	ug/l #	52
38) Carbon Tetrachloride	5.550	117	17739	6.463	ug/l #	16
39) Methylcyclohexane	7.123	83	1943	0.732	ug/l #	1
44) Trichloroethene	7.123	130	167921	81.715	ug/l	99
49) 1,4-Dioxane	7.678	88	1058	19.657	ug/l #	87
51) 4-Methyl-2-Pentanone	8.647	43	1239	0.498	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	673	0.345	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	57163	24.868	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	57163	69.458	ug/l #	5

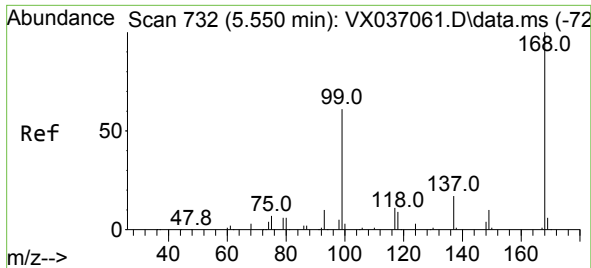
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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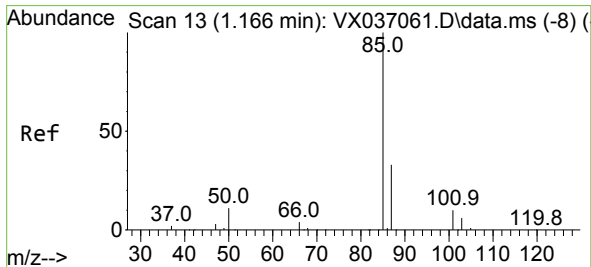
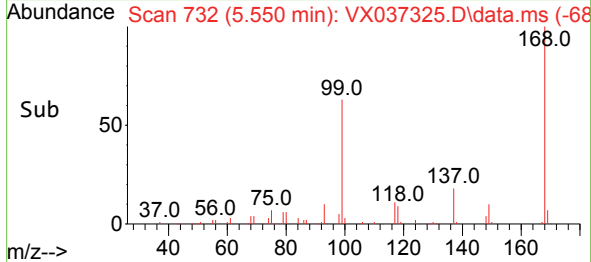
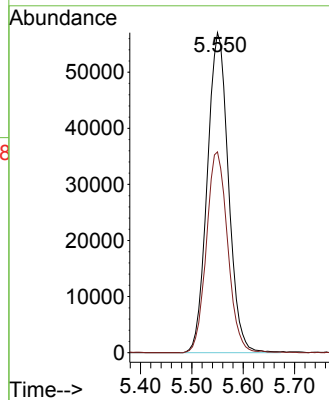
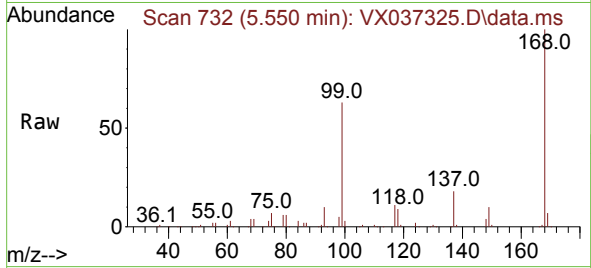




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

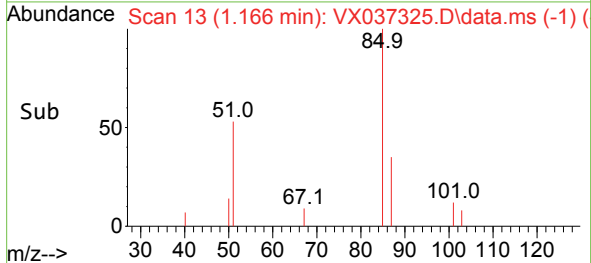
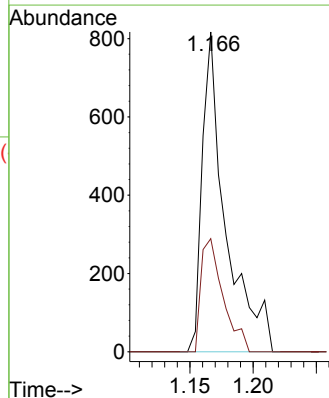
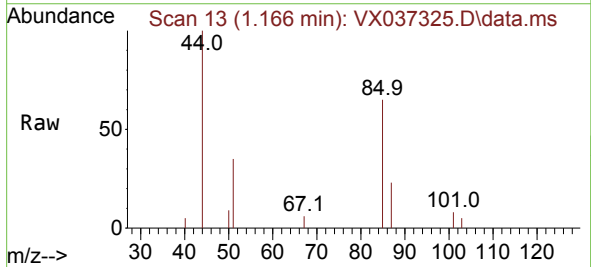
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230821

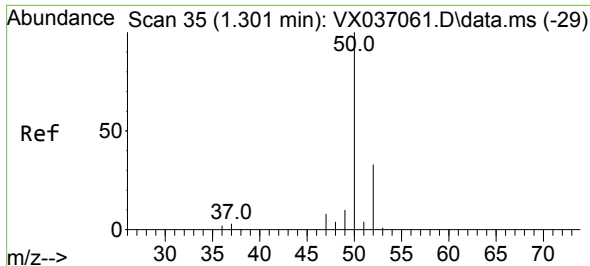
Tgt Ion:168 Resp: 163122
Ion Ratio Lower Upper
168 100
99 62.7 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.555 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

Tgt Ion: 85 Resp: 1051
Ion Ratio Lower Upper
85 100
87 35.4 16.7 50.1





#3

Chloromethane

Concen: 0.296 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX037325.D

Acq: 29 Aug 2023 07:10

Instrument :

MSVOA_X

ClientSampleId :

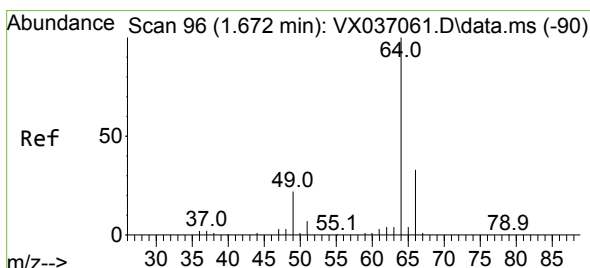
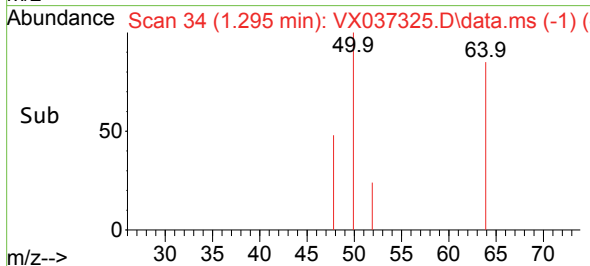
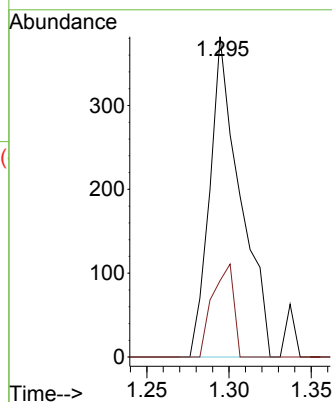
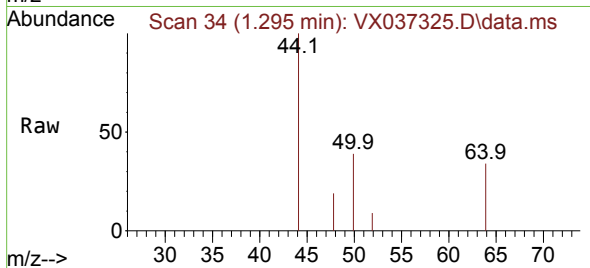
RE132D5-20230821

Tgt Ion: 50 Resp: 491

Ion Ratio Lower Upper

50 100

52 23.8 25.5 38.3#



#6

Chloroethane

Concen: 0.304 ug/l

RT: 1.672 min Scan# 96

Delta R.T. 0.000 min

Lab File: VX037325.D

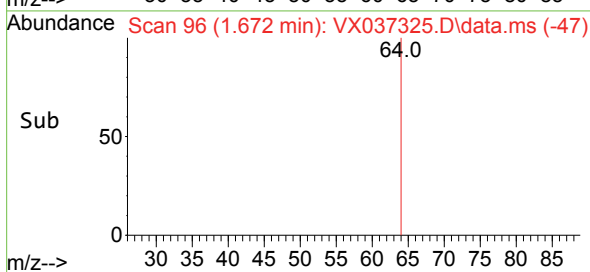
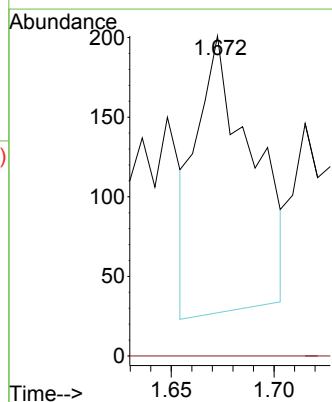
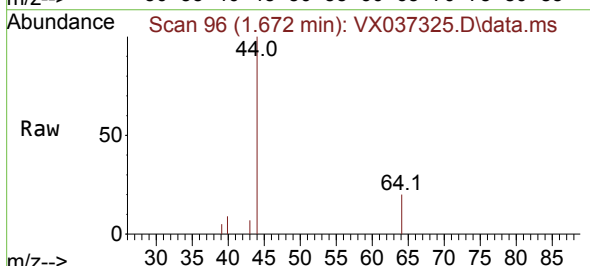
Acq: 29 Aug 2023 07:10

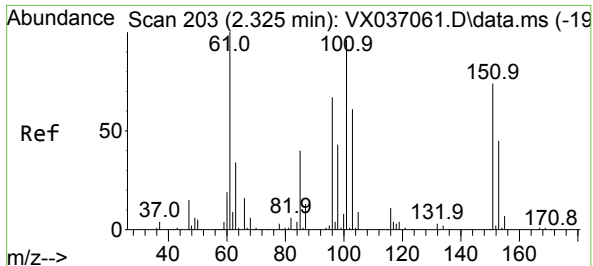
Tgt Ion: 64 Resp: 323

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

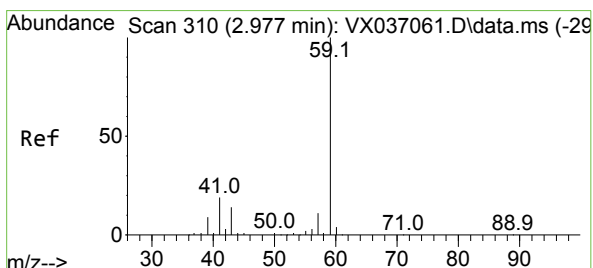
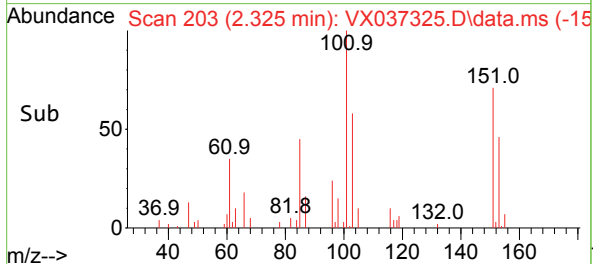
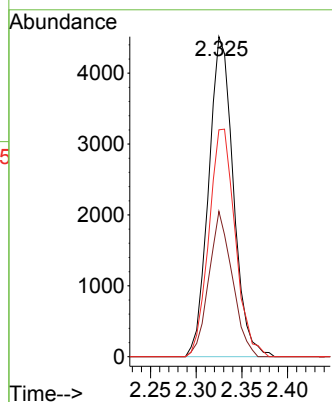
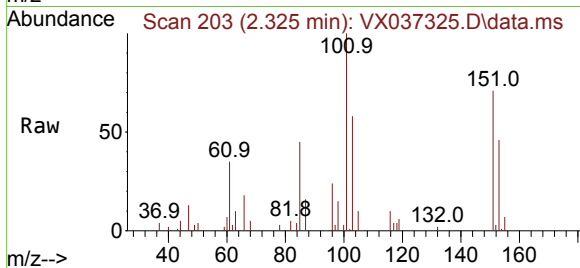




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.920 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

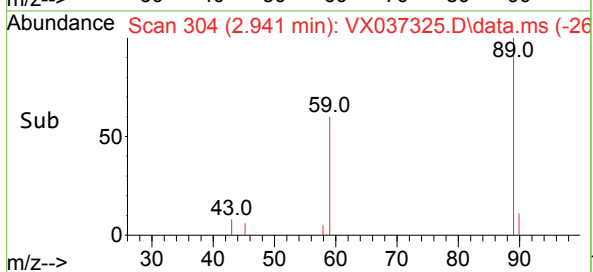
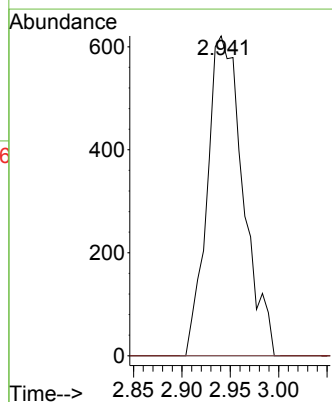
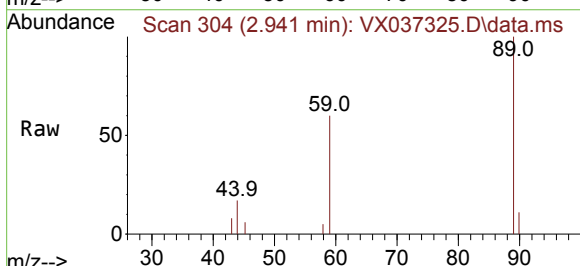
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230821

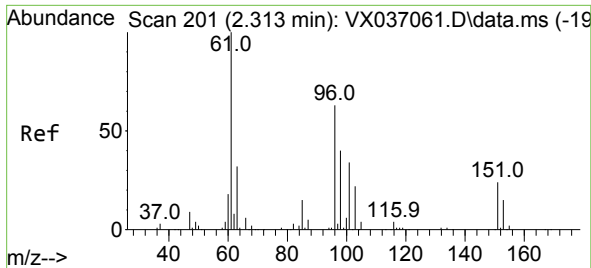
Tgt Ion:101 Resp: 8483
Ion Ratio Lower Upper
101 100
85 43.0 37.0 55.6
151 75.7 58.6 87.8



#11
Tert butyl alcohol
Concen: 2.904 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

Tgt Ion: 59 Resp: 1602
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



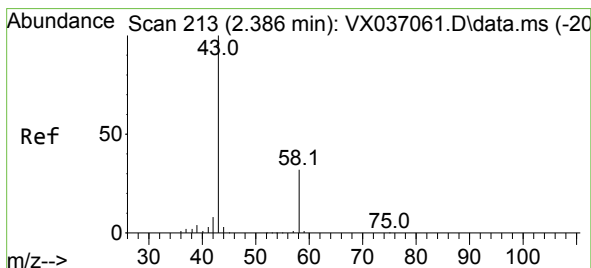
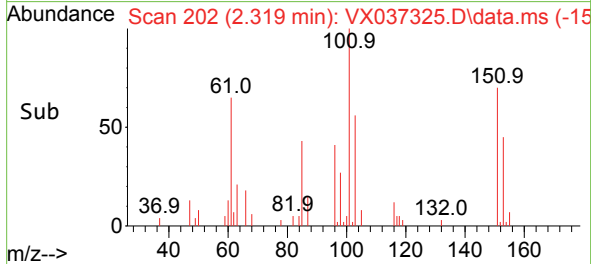
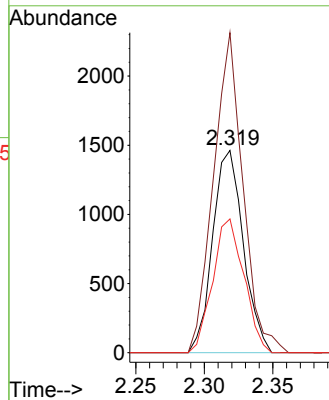
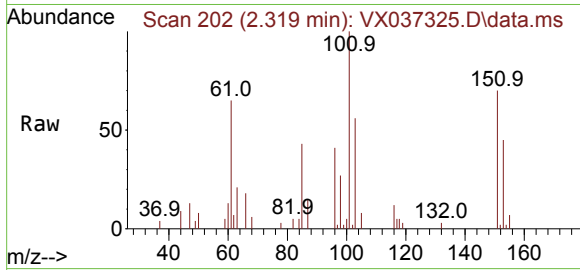


#12
 1,1-Dichloroethene
 Concen: 1.355 ug/l
 RT: 2.319 min Scan# 201
 Delta R.T. 0.006 min
 Lab File: VX037325.D
 Acq: 29 Aug 2023 07:10

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20230821

Tgt Ion: 96 Resp: 2276

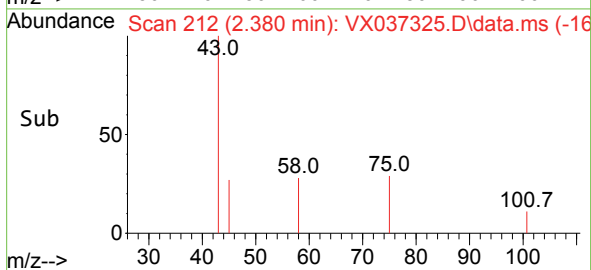
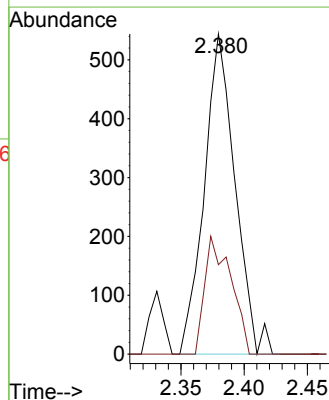
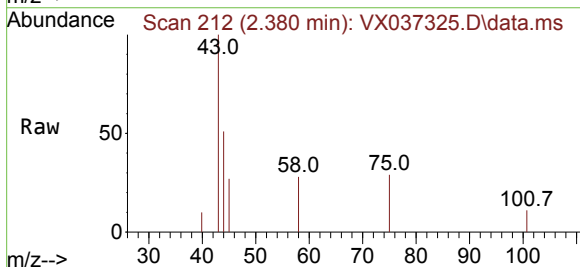
Ion	Ratio	Lower	Upper
96	100		
61	158.2	144.6	216.8
98	66.2	50.4	75.6

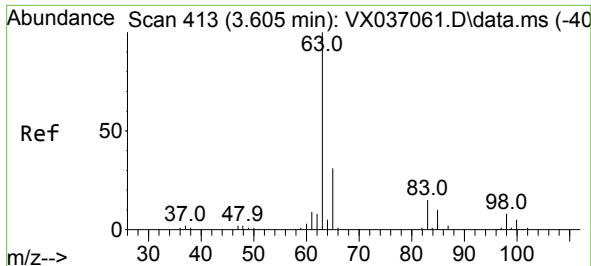


#16
 Acetone
 Concen: 1.002 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX037325.D
 Acq: 29 Aug 2023 07:10

Tgt Ion: 43 Resp: 922

Ion	Ratio	Lower	Upper
43	100		
58	27.9	21.9	32.9

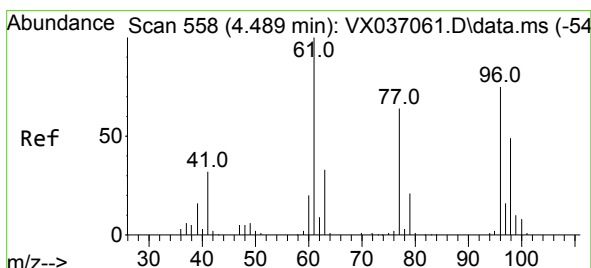
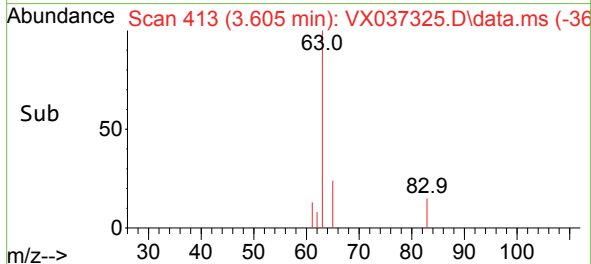
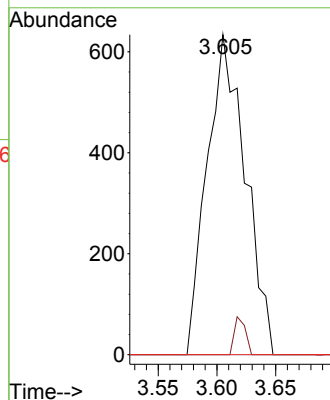
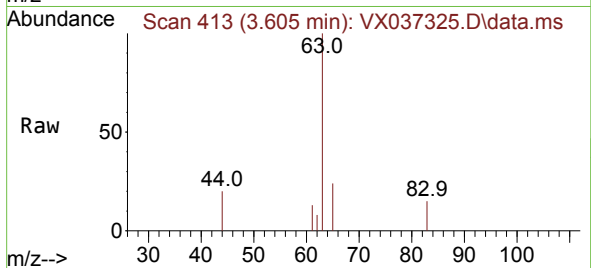




#24
1,1-Dichloroethane
Concen: 0.429 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

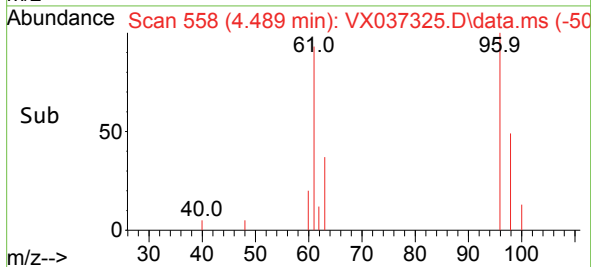
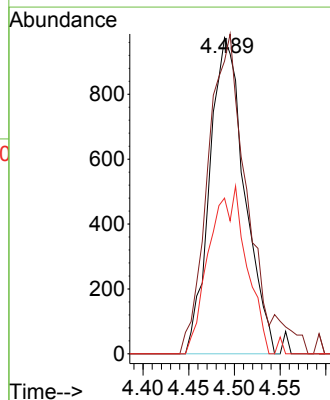
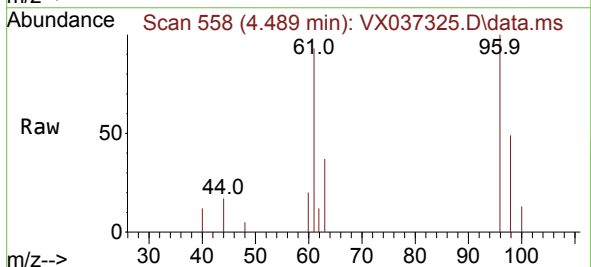
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ClientSampleId :
RE132D5-20230821

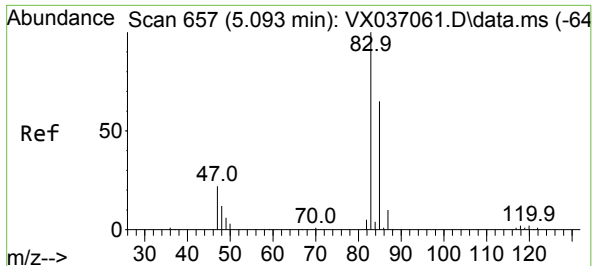
Tgt Ion: 63 Resp: 1434
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 1.152 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

Tgt Ion: 96 Resp: 2593
Ion Ratio Lower Upper
96 100
61 115.0 0.0 312.2
98 56.4 0.0 129.0





#30

Chloroform

Concen: 0.826 ug/l

RT: 5.087 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX037325.D

Acq: 29 Aug 2023 07:10

Instrument :

MSVOA_X

ClientSampleId :

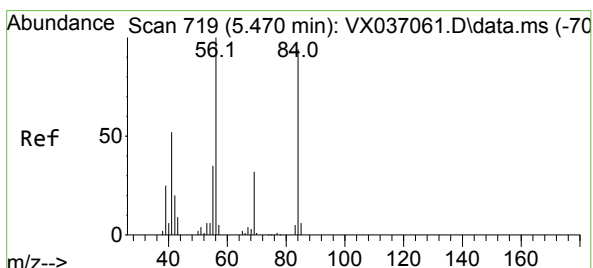
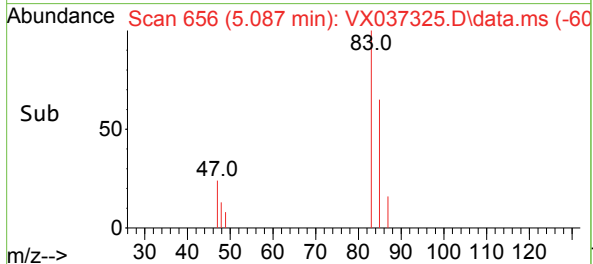
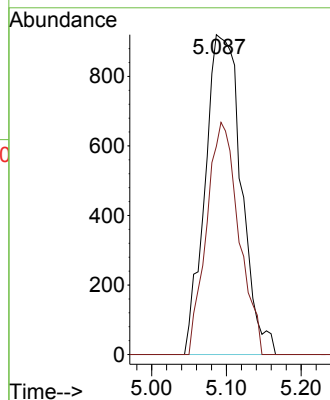
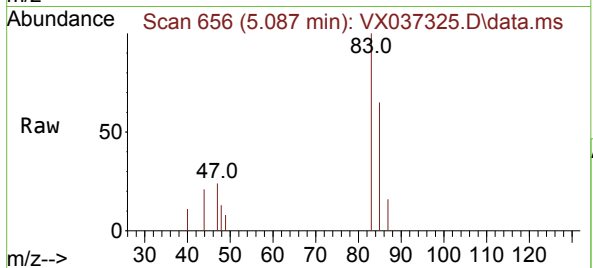
RE132D5-20230821

Tgt Ion: 83 Resp: 3101

Ion Ratio Lower Upper

83 100

85 65.1 50.3 75.5



#31

Cyclohexane

Concen: 1.237 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX037325.D

Acq: 29 Aug 2023 07:10

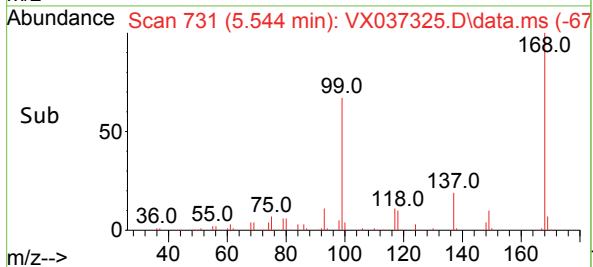
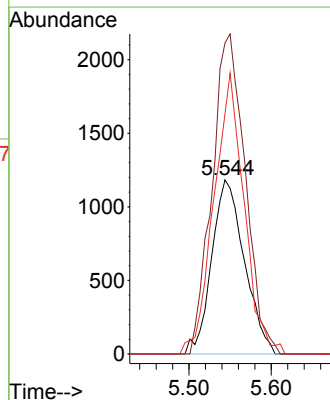
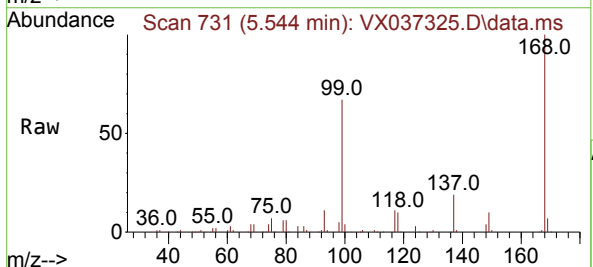
Tgt Ion: 56 Resp: 3272

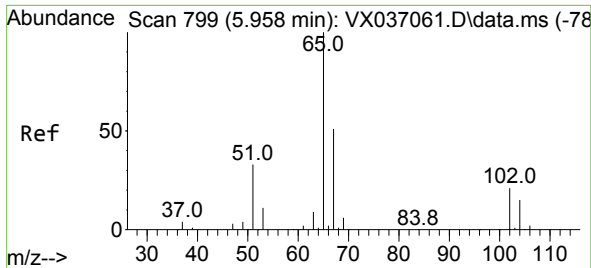
Ion Ratio Lower Upper

56 100

69 178.7 23.4 35.2#

84 138.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.742 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX037325.D

Acq: 29 Aug 2023 07:10

Instrument :

MSVOA_X

ClientSampleId :

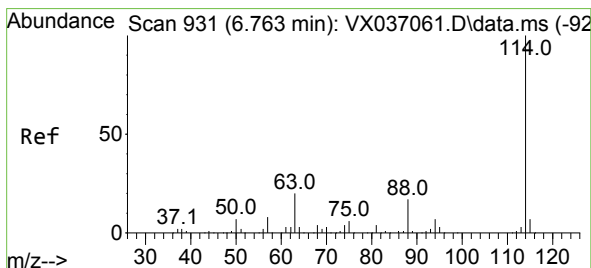
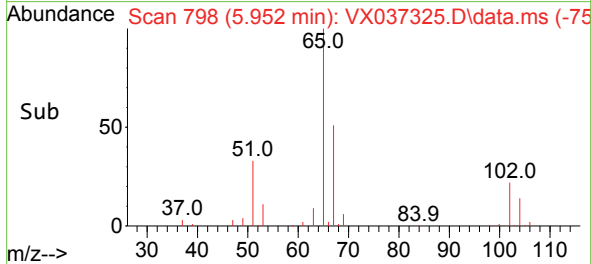
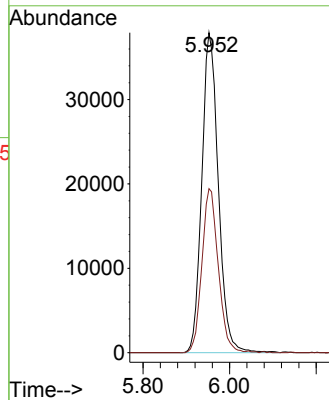
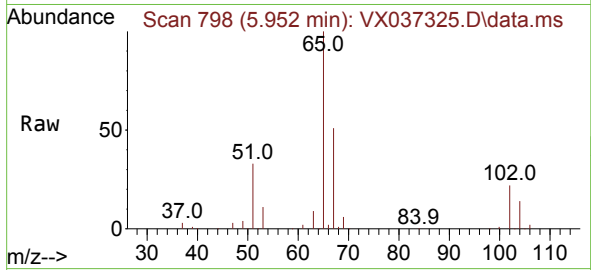
RE132D5-20230821

Tgt Ion: 65 Resp: 100515

Ion Ratio Lower Upper

65 100

67 50.7 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: VX037325.D

Acq: 29 Aug 2023 07:10

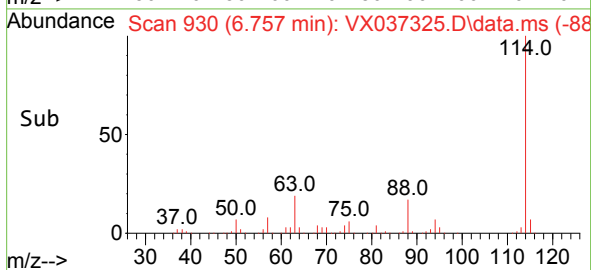
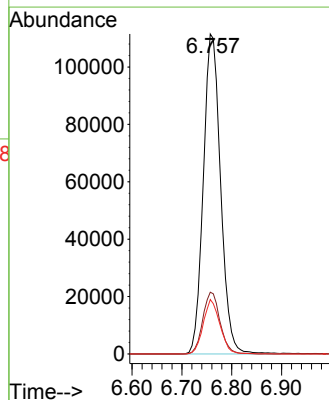
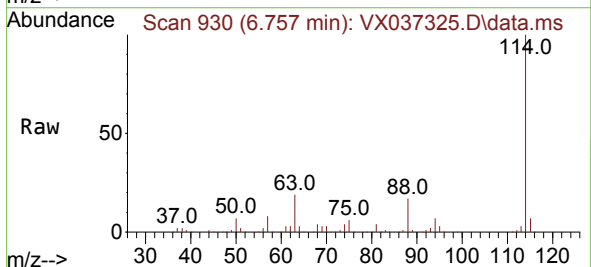
Tgt Ion: 114 Resp: 268555

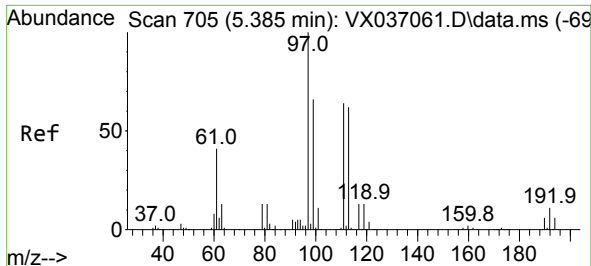
Ion Ratio Lower Upper

114 100

63 19.3 0.0 45.0

88 17.0 0.0 36.6

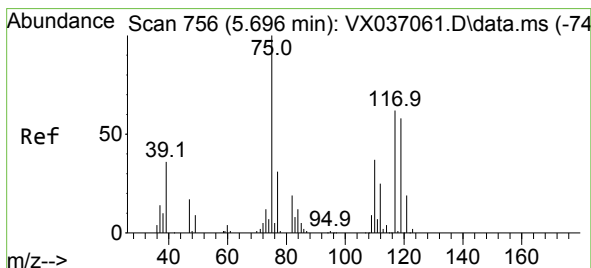
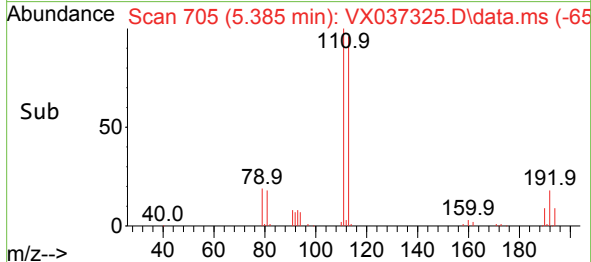
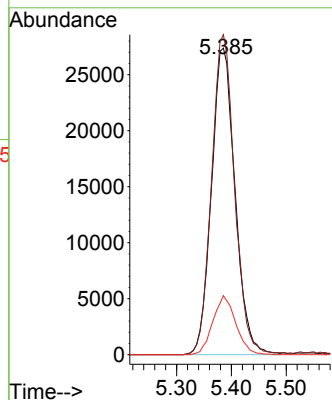
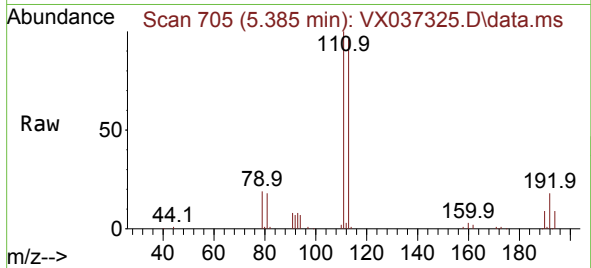




#35
Dibromofluoromethane
Concen: 45.972 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

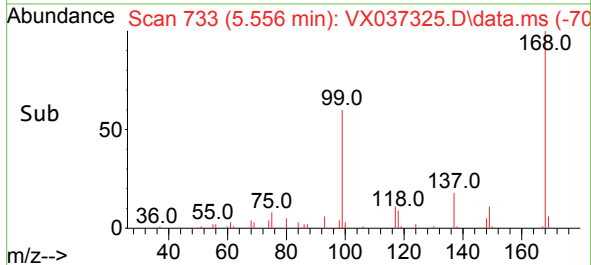
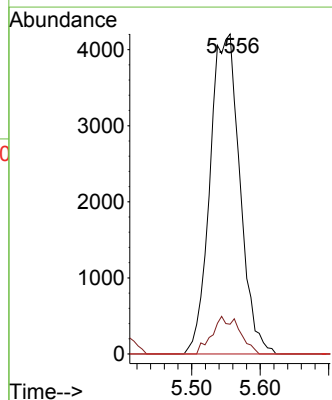
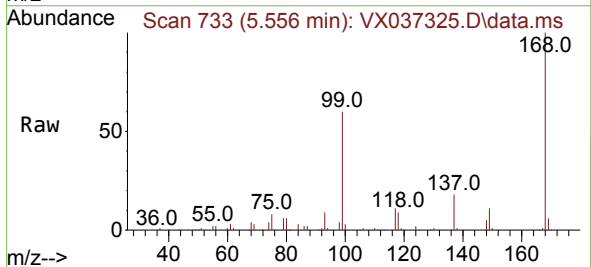
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230821

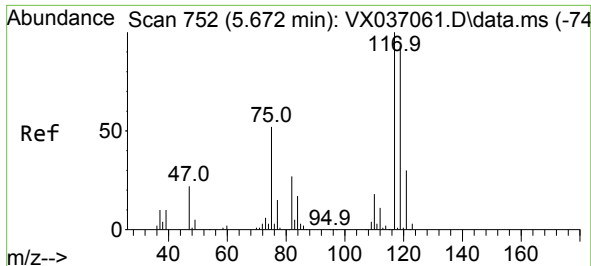
Tgt Ion:113 Resp: 81764
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 18.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.018 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

Tgt Ion: 75 Resp: 12681
Ion Ratio Lower Upper
75 100
110 10.8 17.0 50.9#
77 0.0 24.7 37.1#

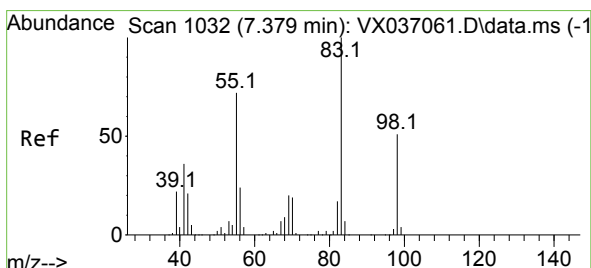
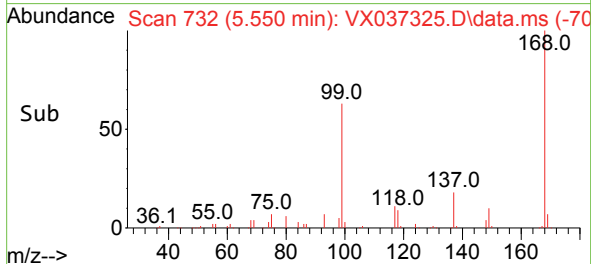
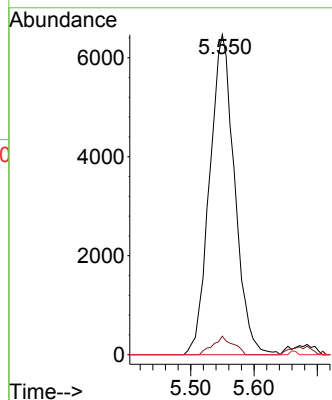
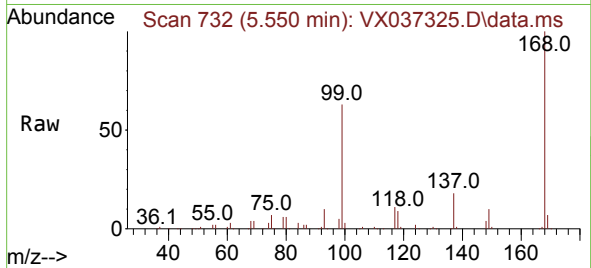




#38
Carbon Tetrachloride
Concen: 6.463 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

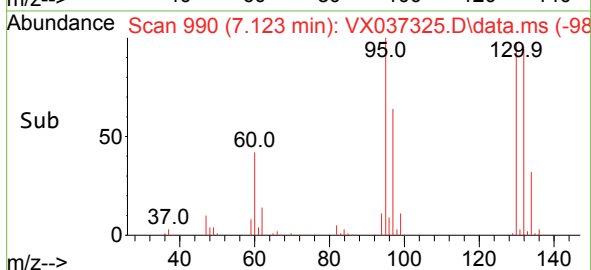
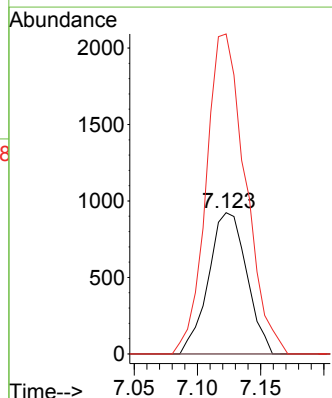
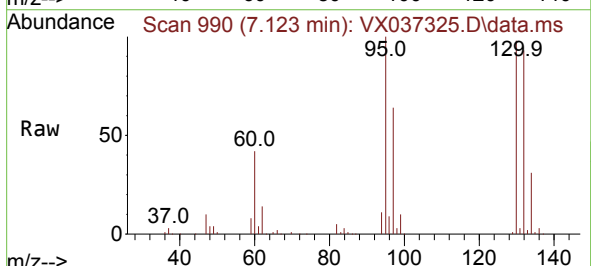
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230821

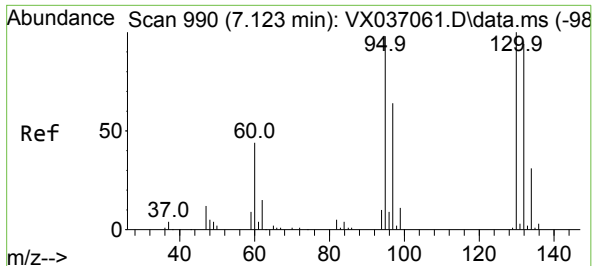
Tgt Ion:117 Resp: 17739
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.732 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

Tgt Ion: 83 Resp: 1943
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 217.9 36.7 55.1#

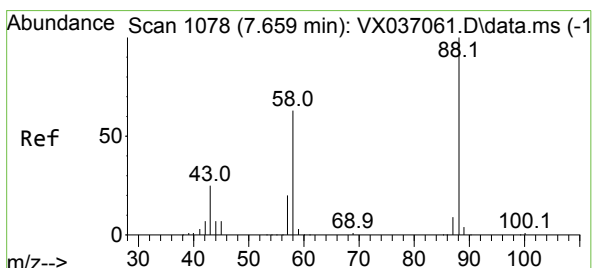
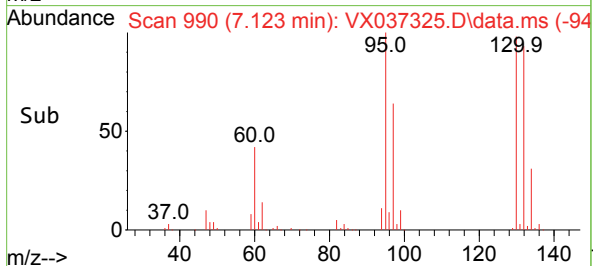
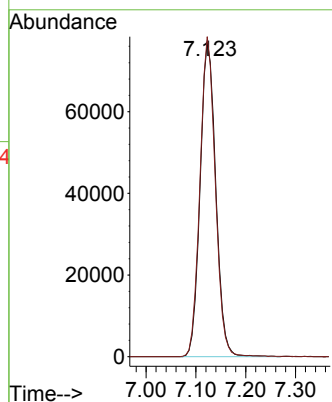
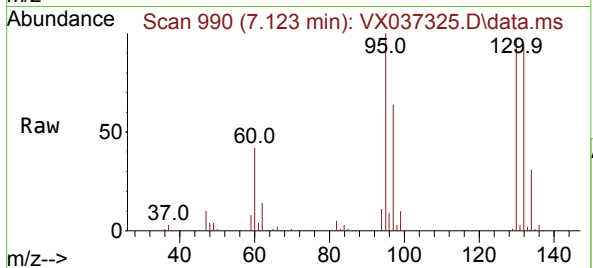




#44
Trichloroethene
Concen: 81.715 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

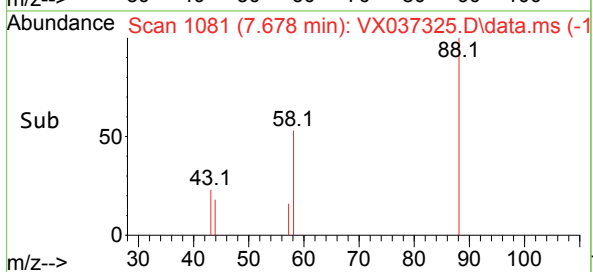
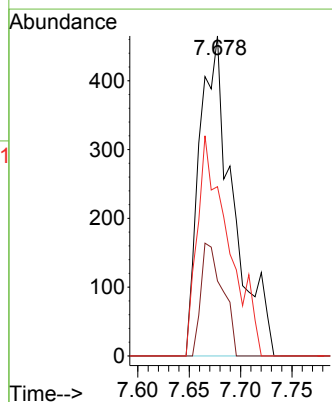
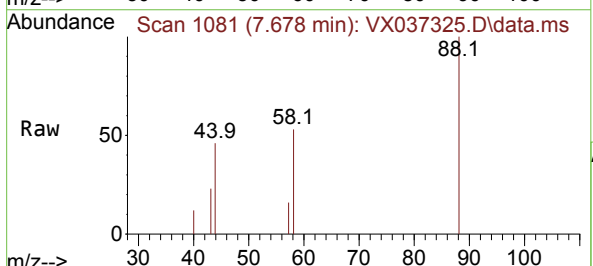
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230821

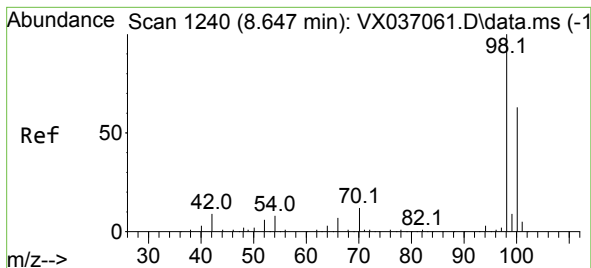
Tgt Ion:130 Resp: 167921
Ion Ratio Lower Upper
130 100
95 101.6 0.0 204.4



#49
1,4-Dioxane
Concen: 19.657 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

Tgt Ion: 88 Resp: 1058
Ion Ratio Lower Upper
88 100
43 22.9 0.0 0.0#
58 63.7 60.1 90.1





#50

Toluene-d8

Concen: 48.742 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037325.D

Acq: 29 Aug 2023 07:10

Instrument :

MSVOA_X

ClientSampleId :

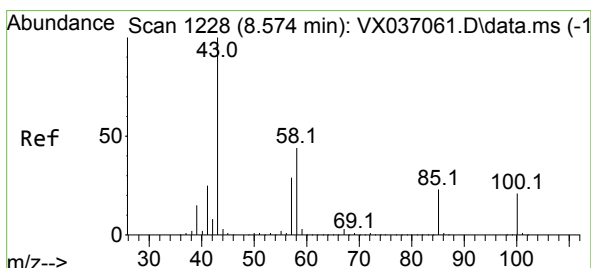
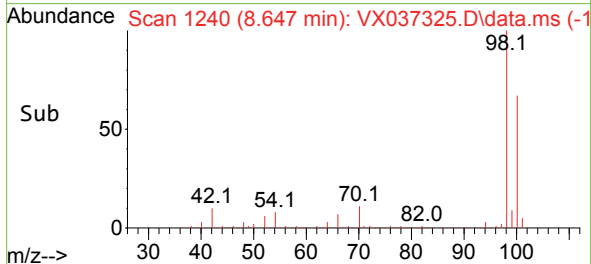
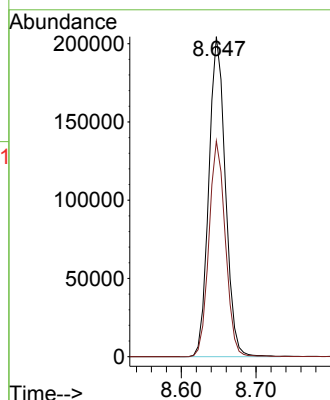
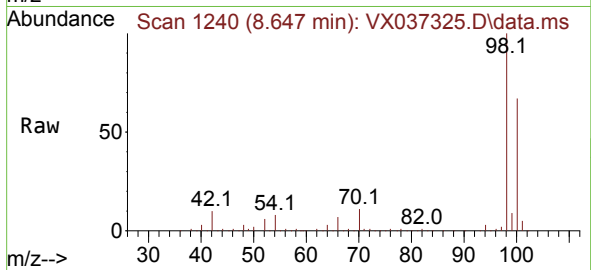
RE132D5-20230821

Tgt Ion: 98 Resp: 314464

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.498 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037325.D

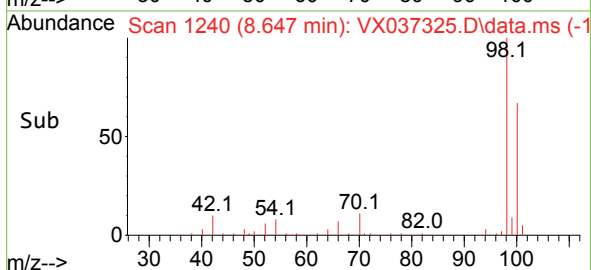
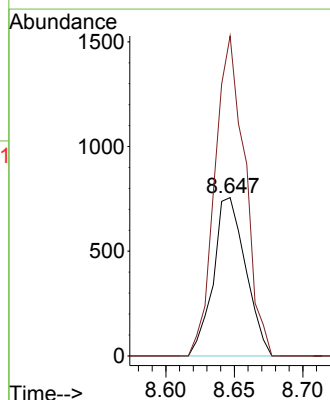
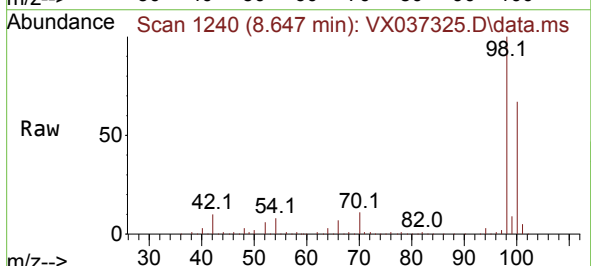
Acq: 29 Aug 2023 07:10

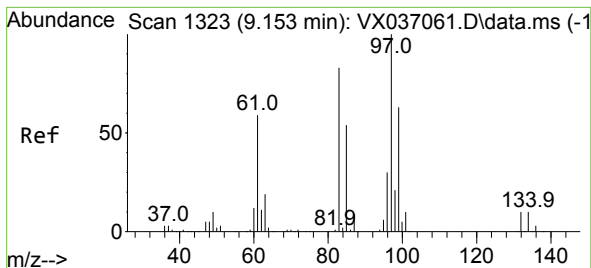
Tgt Ion: 43 Resp: 1239

Ion Ratio Lower Upper

43 100

58 188.0 30.4 45.6#





#55

1,1,2-Trichloroethane

Concen: 0.345 ug/l

RT: 9.159 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX037325.D

Acq: 29 Aug 2023 07:10

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20230821

Tgt Ion: 97 Resp: 673

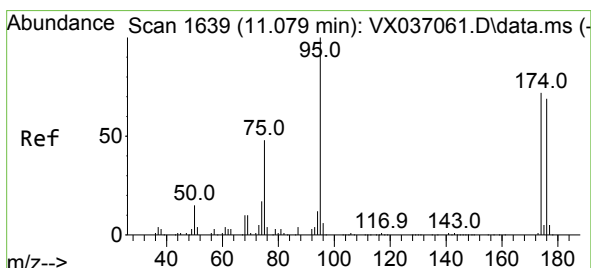
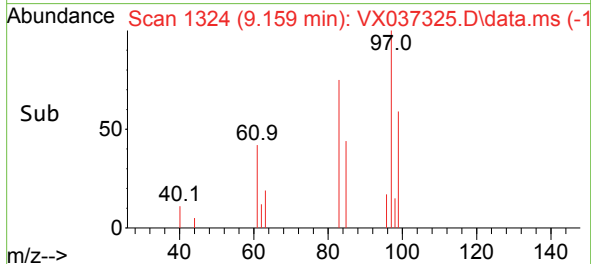
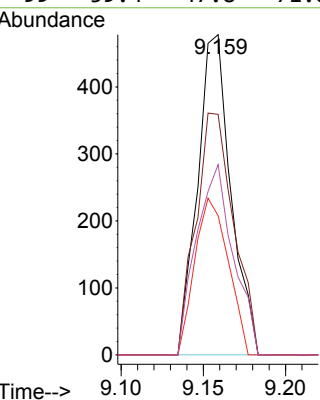
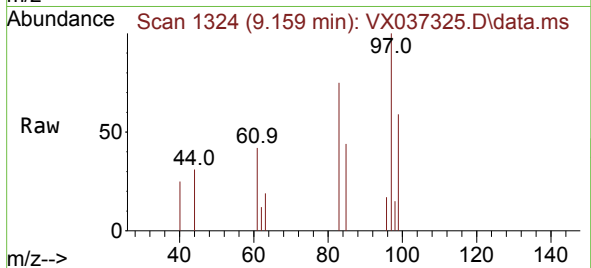
Ion Ratio Lower Upper

97 100

83 75.1 65.8 98.8

85 43.5 41.6 62.4

99 59.4 47.8 71.8



#62

4-Bromofluorobenzene

Concen: 45.182 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037325.D

Acq: 29 Aug 2023 07:10

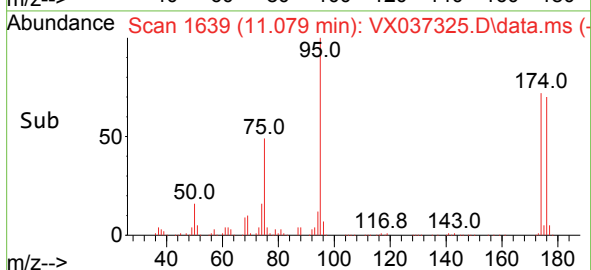
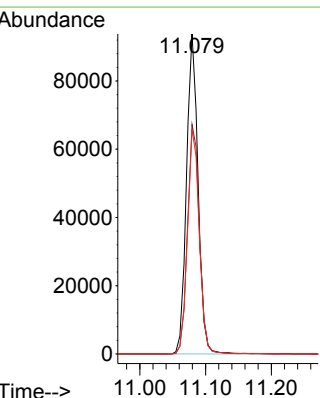
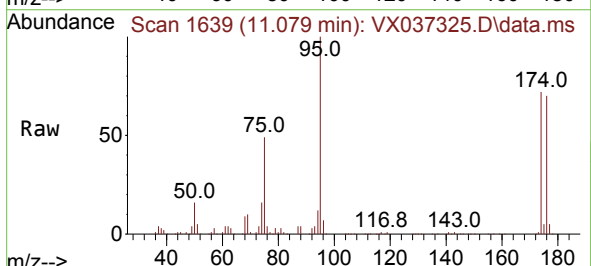
Tgt Ion: 95 Resp: 114554

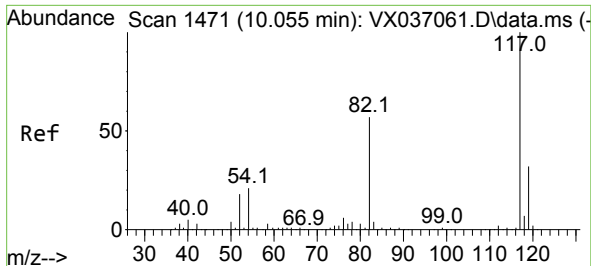
Ion Ratio Lower Upper

95 100

174 74.0 0.0 135.6

176 71.1 0.0 131.0

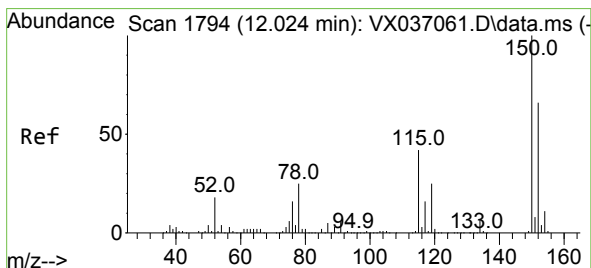
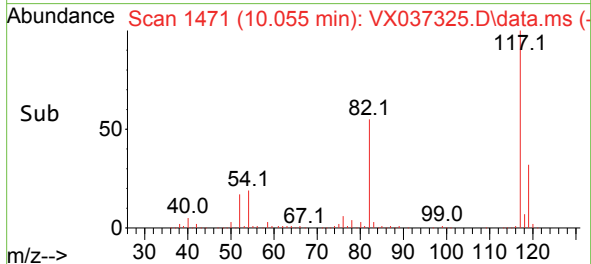
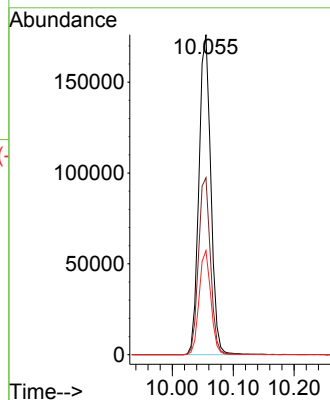
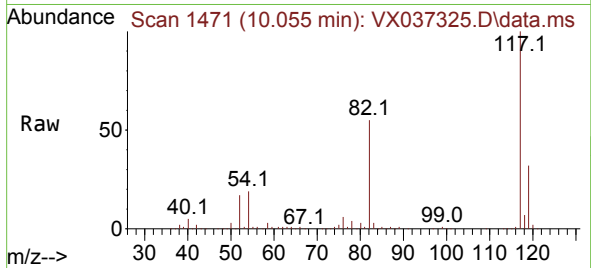




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

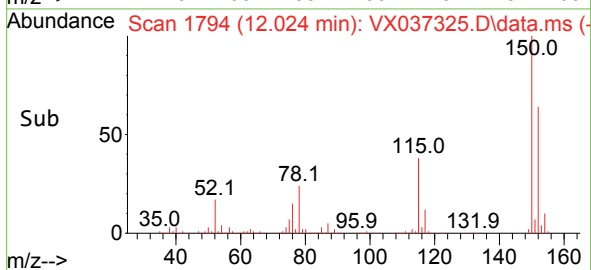
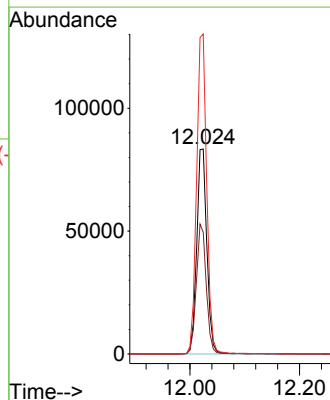
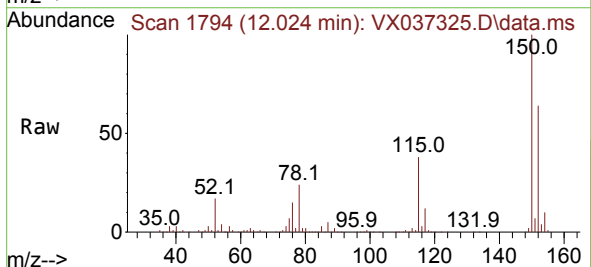
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20230821

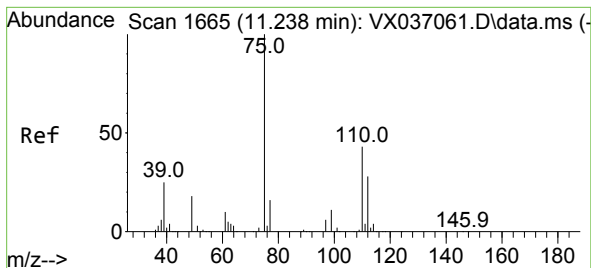
Tgt Ion:117 Resp: 238740
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037325.D
Acq: 29 Aug 2023 07:10

Tgt Ion:152 Resp: 107934
Ion Ratio Lower Upper
152 100
115 61.9 43.3 129.9
150 155.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.868 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037325.D

Acq: 29 Aug 2023 07:10

Instrument :

MSVOA_X

ClientSampleId :

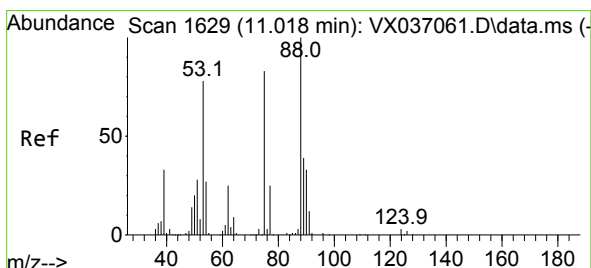
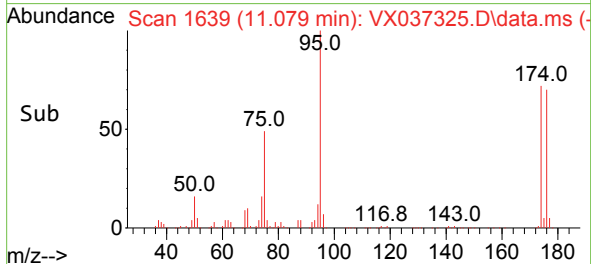
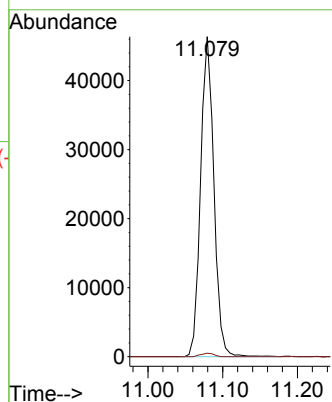
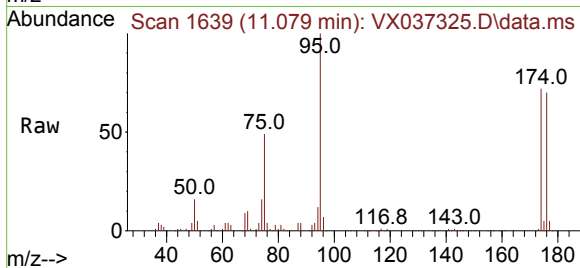
RE132D5-20230821

Tgt Ion: 75 Resp: 57163

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.458 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037325.D

Acq: 29 Aug 2023 07:10

Tgt Ion: 75 Resp: 57163

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

