

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082823\
 Data File : VX037324.D
 Acq On : 29 Aug 2023 06:46
 Operator : JC/MD
 Sample : 04126-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D2-20230821

Quant Time: Aug 29 07:22:26 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)

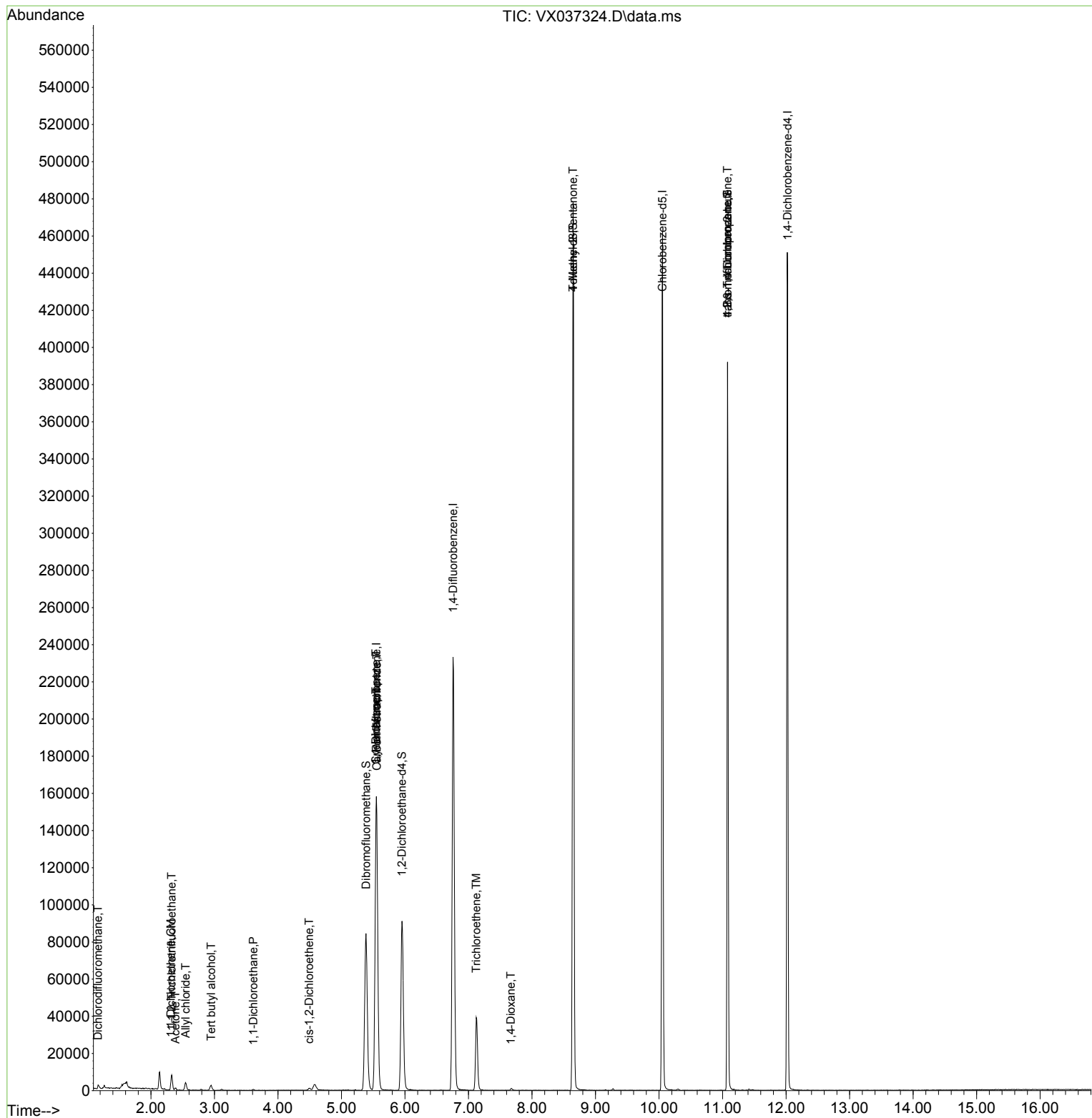
Internal Standards						
1) Pentafluorobenzene	5.550	168	149911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246356	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92184	42.653	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.300%
35) Dibromofluoromethane	5.385	113	75249	46.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.240%
50) Toluene-d8	8.647	98	287223	48.532	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.060%
62) 4-Bromofluorobenzene	11.079	95	104404	44.889	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1105	0.635	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	3161	1.995	ug/l	95
11) Tert butyl alcohol	2.946	59	1906	3.760	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	309	0.200	ug/l #	74
14) Allyl chloride	2.544	41	489	0.205	ug/l #	72
16) Acetone	2.386	43	1099	1.300	ug/l	98
24) 1,1-Dichloroethane	3.611	63	637	0.207	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	754	0.365	ug/l	90
31) Cyclohexane	5.544	56	2847	1.172	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11923	5.144	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15704	6.237	ug/l #	15
44) Trichloroethene	7.123	130	16365	8.681	ug/l	94
49) 1,4-Dioxane	7.665	88	902	18.269	ug/l #	95
51) 4-Methyl-2-Pentanone	8.647	43	1082	0.474	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	52610	25.413	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	52610	70.981	ug/l #	5

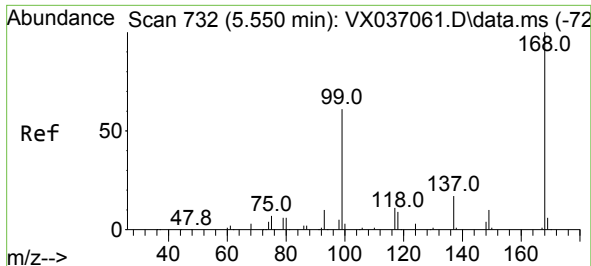
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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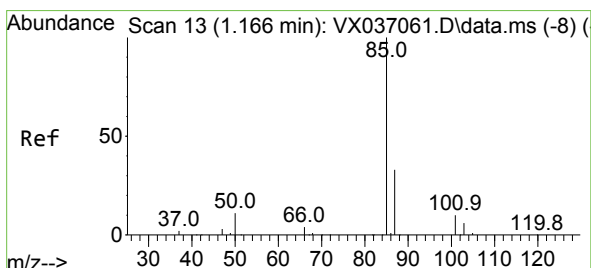
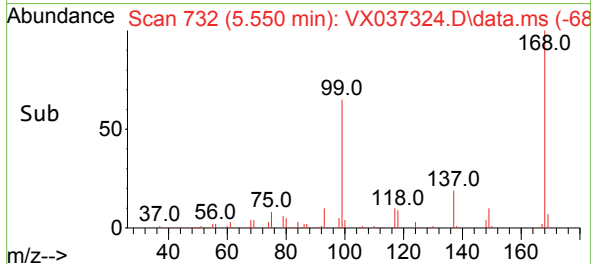
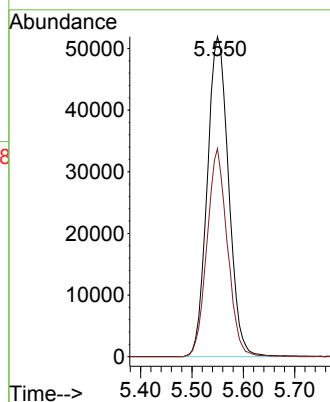
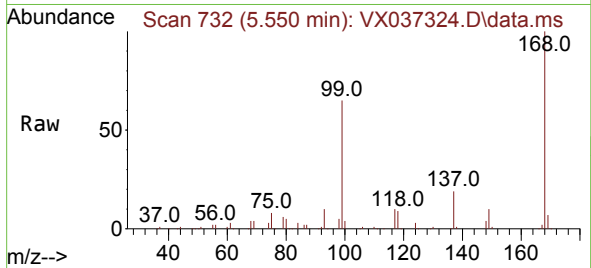




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

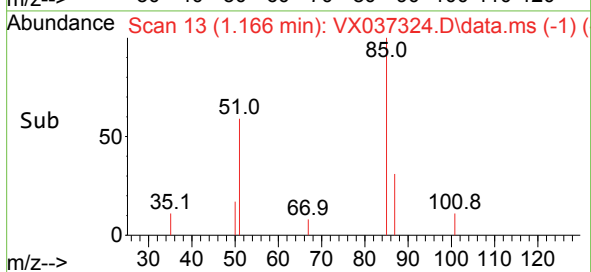
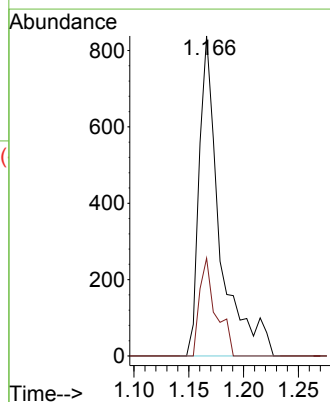
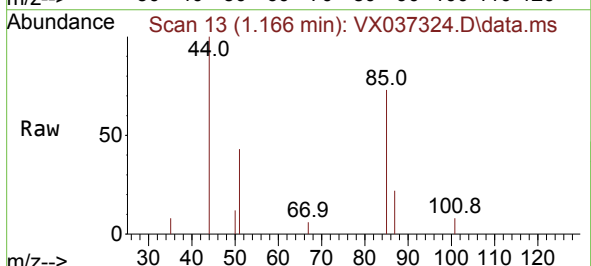
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230821

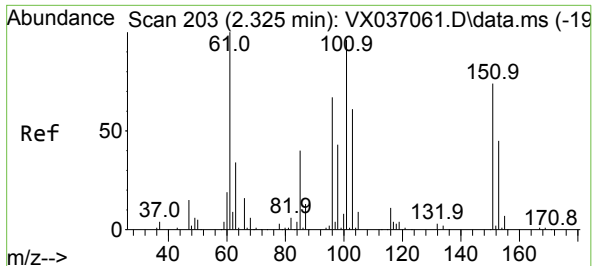
Tgt Ion:168 Resp: 149911
Ion Ratio Lower Upper
168 100
99 65.1 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.635 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

Tgt Ion: 85 Resp: 1105
Ion Ratio Lower Upper
85 100
87 30.5 16.7 50.1

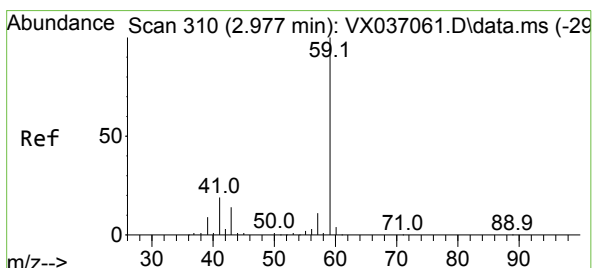
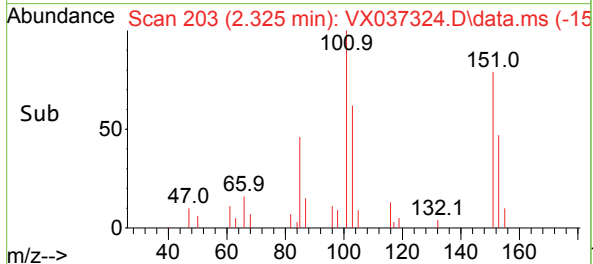
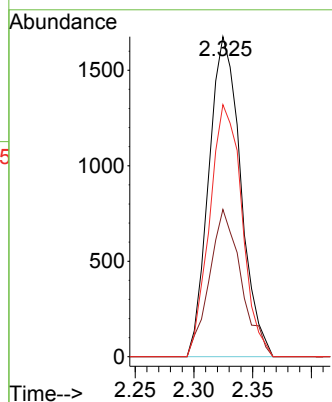
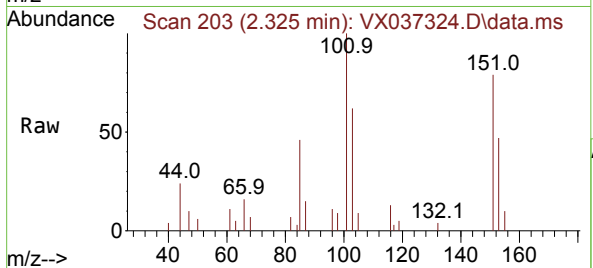




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.995 ug/l
RT: 2.325 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

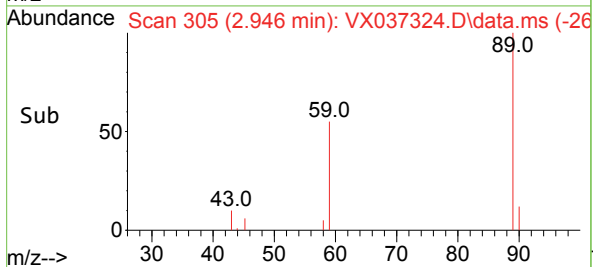
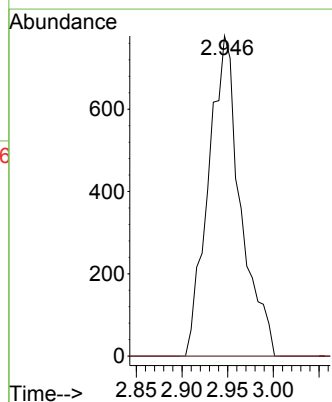
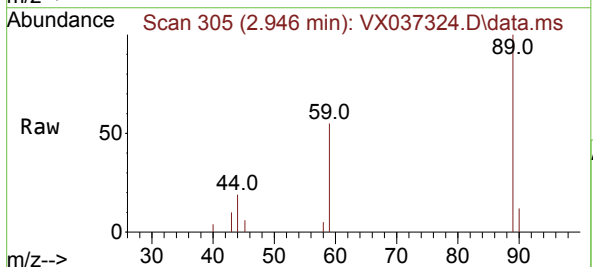
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230821

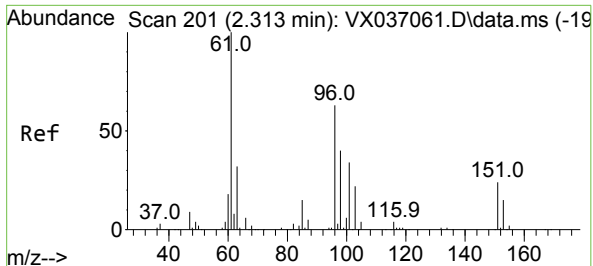
Tgt Ion:101 Resp: 3161
Ion Ratio Lower Upper
101 100
85 45.8 37.0 55.6
151 79.8 58.6 87.8



#11
Tert butyl alcohol
Concen: 3.760 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

Tgt Ion: 59 Resp: 1906
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.200 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX037324.D

Acq: 29 Aug 2023 06:46

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20230821

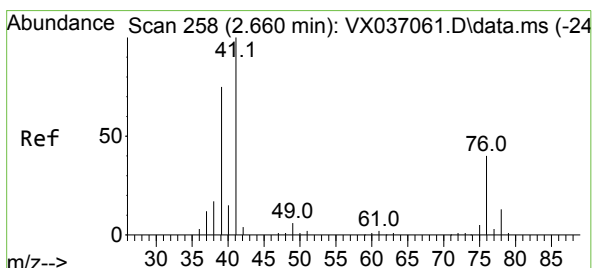
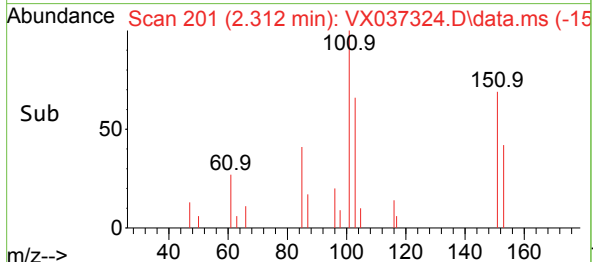
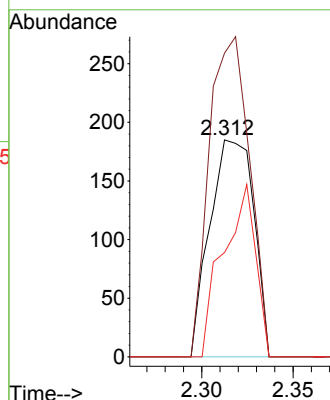
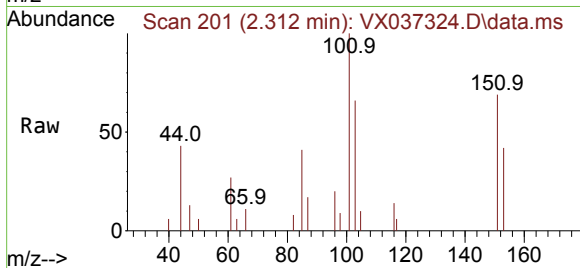
Tgt Ion: 96 Resp: 309

Ion Ratio Lower Upper

96 100

61 140.0 144.6 216.8#

98 48.1 50.4 75.6#



#14

Allyl chloride

Concen: 0.205 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.116 min

Lab File: VX037324.D

Acq: 29 Aug 2023 06:46

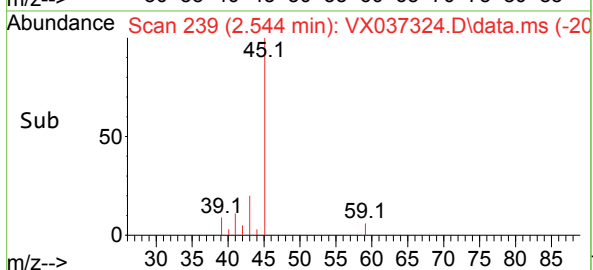
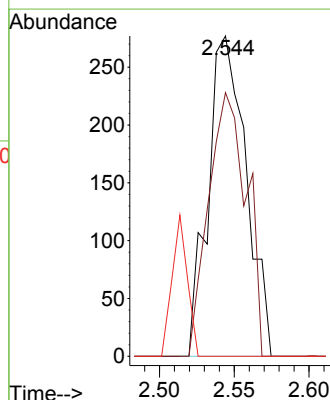
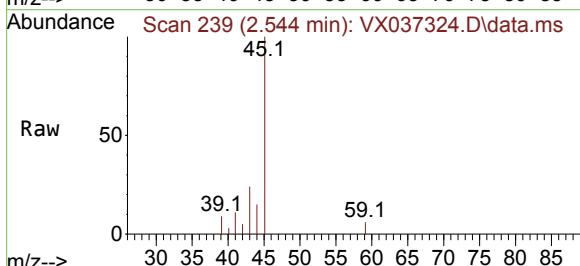
Tgt Ion: 41 Resp: 489

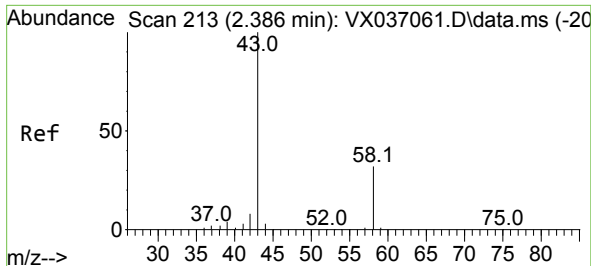
Ion Ratio Lower Upper

41 100

39 82.4 55.8 83.6

76 0.0 24.3 36.5#

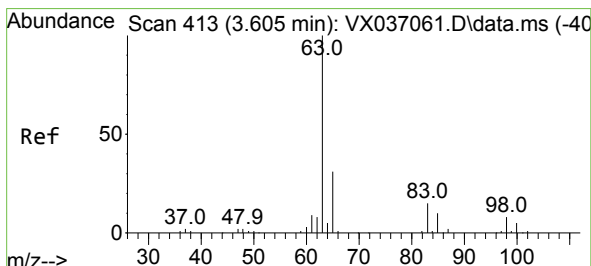
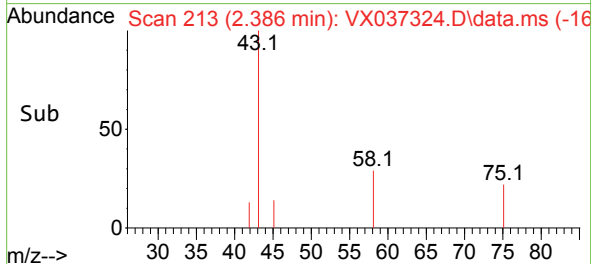
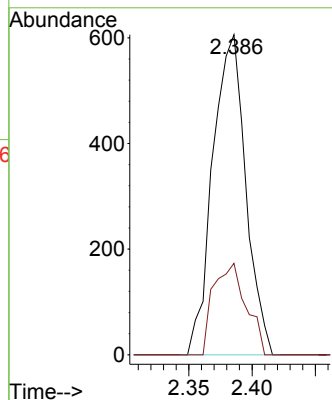
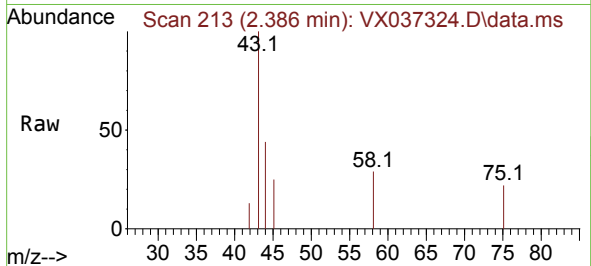




#16
Acetone
Concen: 1.300 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

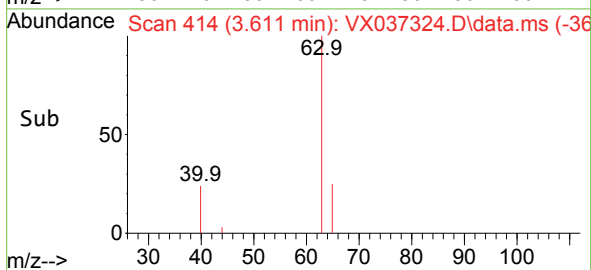
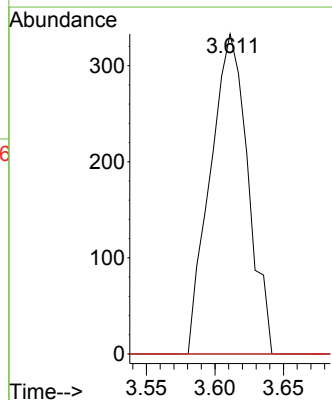
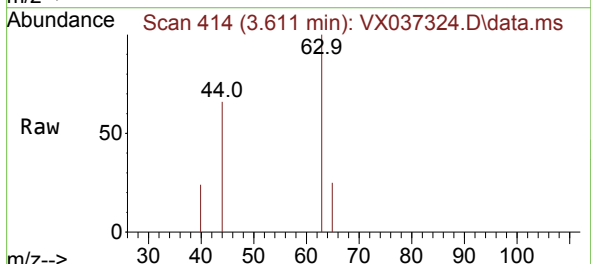
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230821

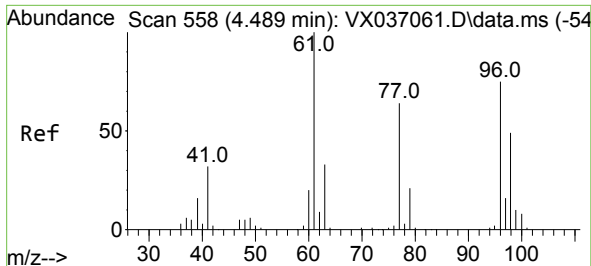
Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
58 28.5 21.9 32.9



#24
1,1-Dichloroethane
Concen: 0.207 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

Tgt Ion: 63 Resp: 637
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: 0.365 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037324.D

Acq: 29 Aug 2023 06:46

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20230821

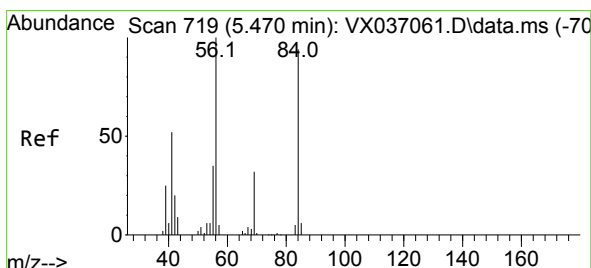
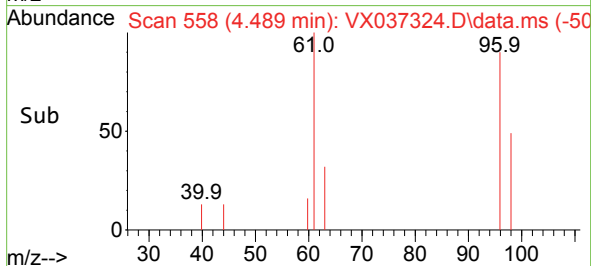
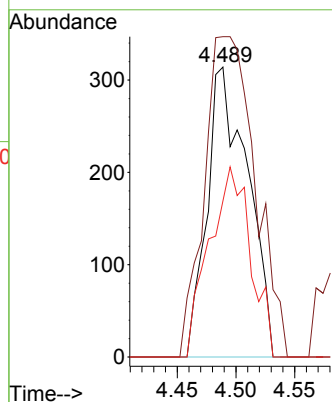
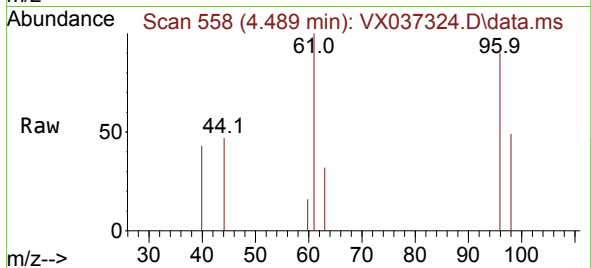
Tgt Ion: 96 Resp: 754

Ion Ratio Lower Upper

96 100

61 138.6 0.0 312.2

98 66.8 0.0 129.0



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX037324.D

Acq: 29 Aug 2023 06:46

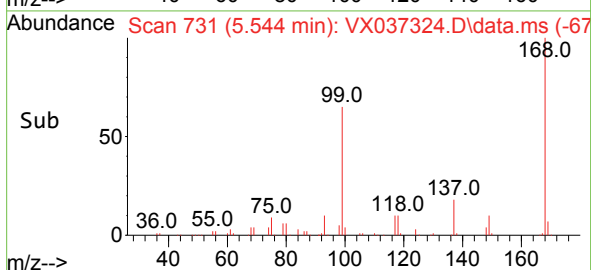
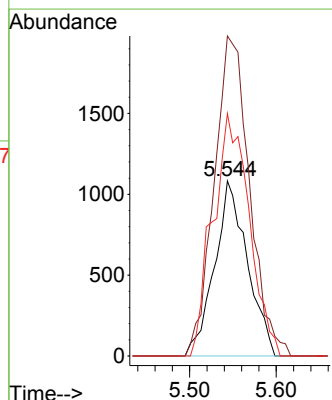
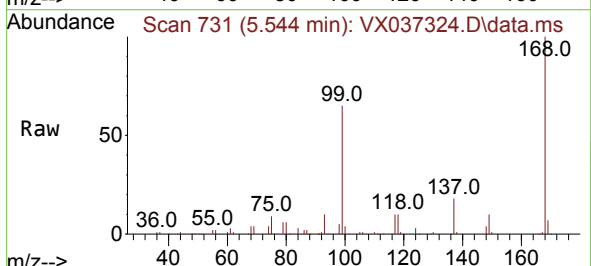
Tgt Ion: 56 Resp: 2847

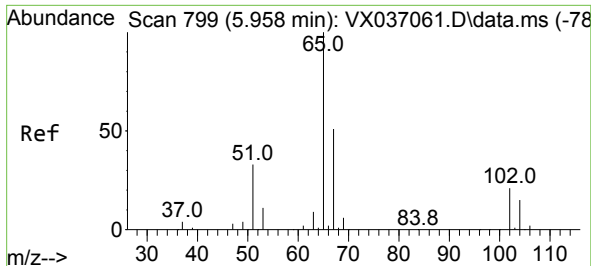
Ion Ratio Lower Upper

56 100

69 182.7 23.4 35.2#

84 138.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.653 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037324.D

Acq: 29 Aug 2023 06:46

Instrument :

MSVOA_X

ClientSampleId :

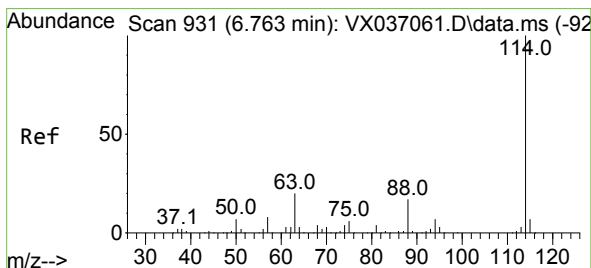
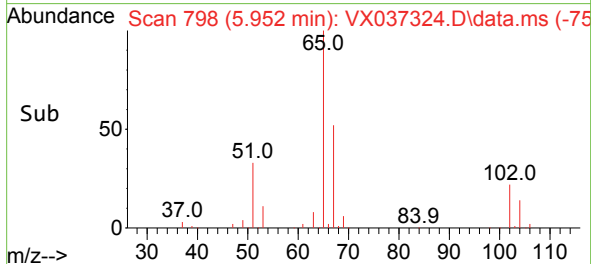
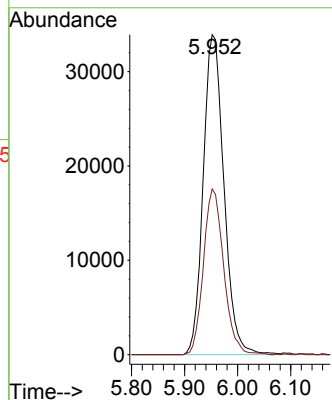
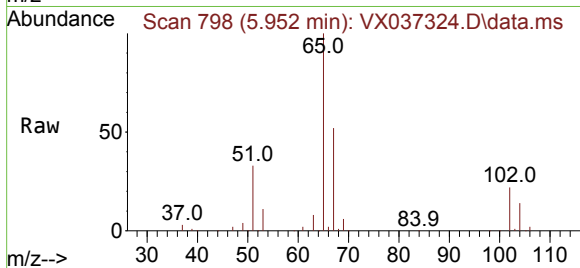
RE132D2-20230821

Tgt Ion: 65 Resp: 92184

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: VX037324.D

Acq: 29 Aug 2023 06:46

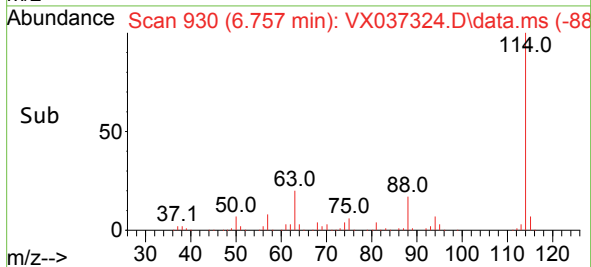
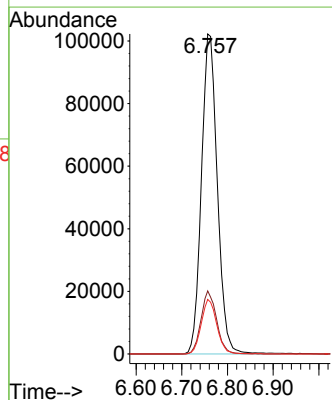
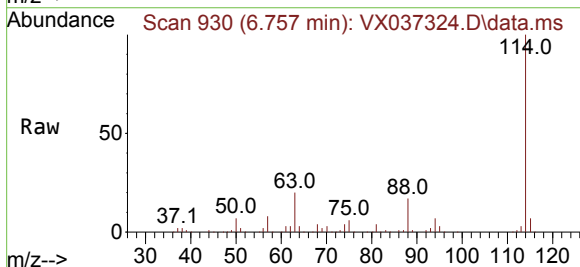
Tgt Ion: 114 Resp: 246356

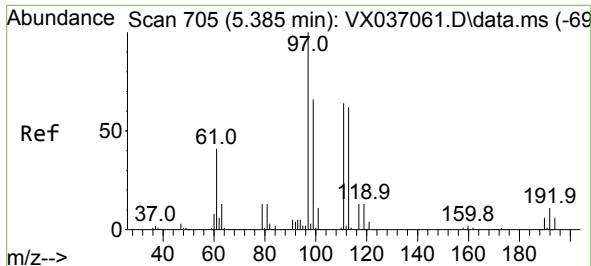
Ion Ratio Lower Upper

114 100

63 19.7 0.0 45.0

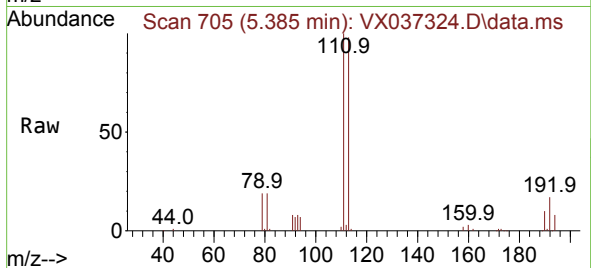
88 17.0 0.0 36.6



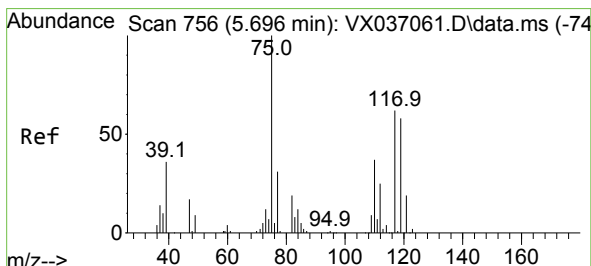
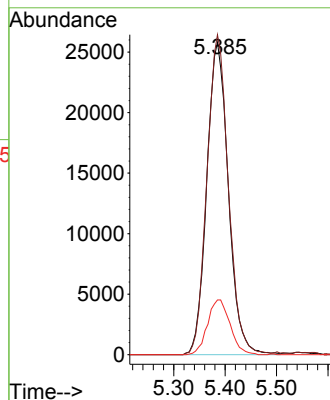
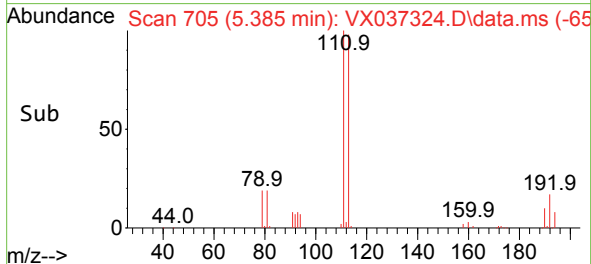


#35
Dibromofluoromethane
Concen: 46.121 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

Instrument :
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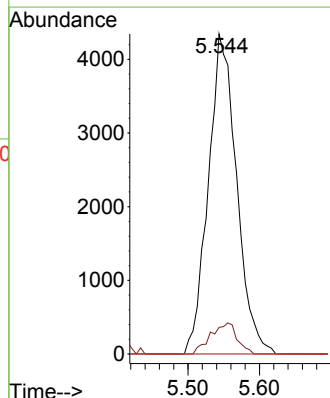
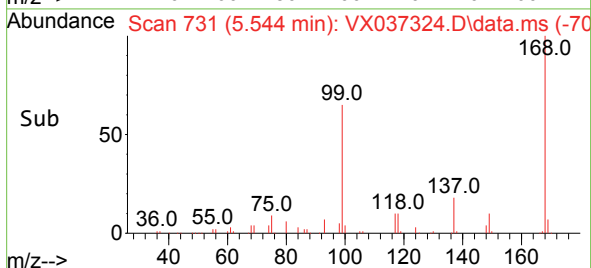
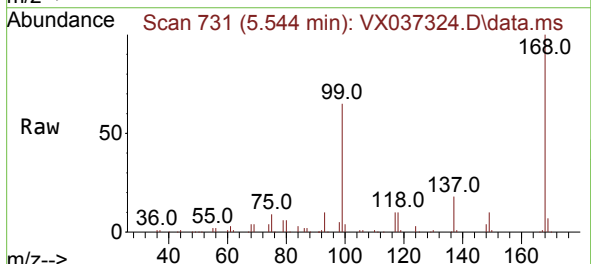


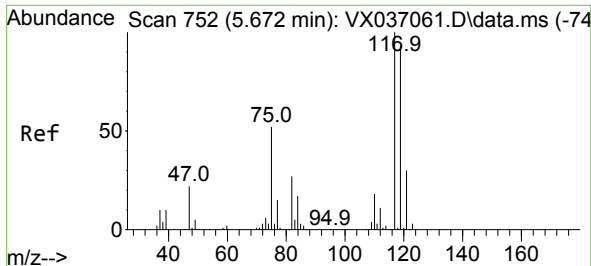
Tgt Ion:	113	Resp:	75249
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.9	124.3
192	18.4	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.144 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

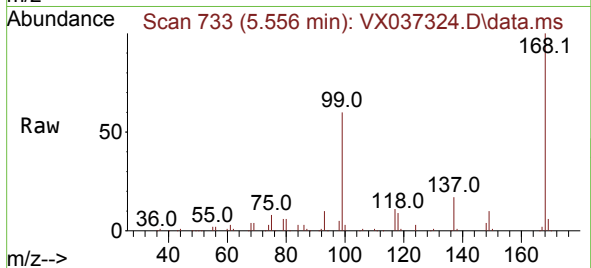
Tgt Ion:	75	Resp:	11923
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.0	50.9#
77	0.0	24.7	37.1#



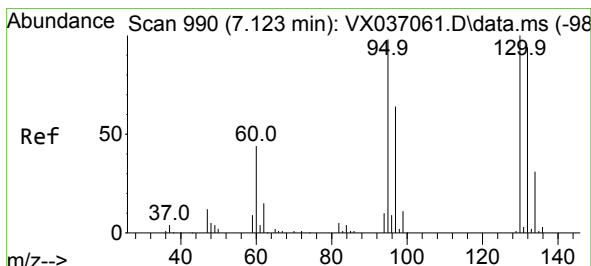
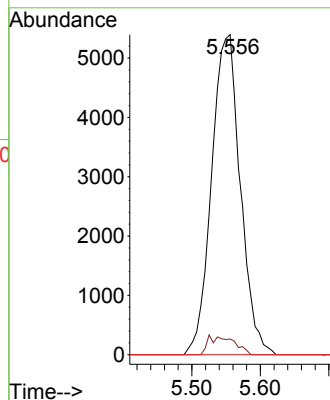
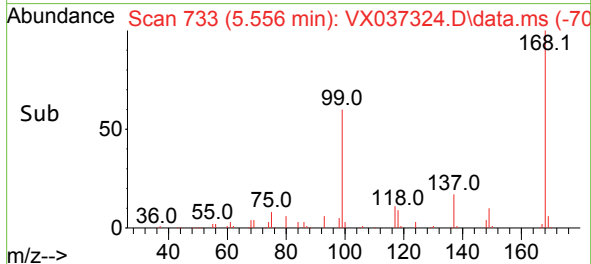


#38
Carbon Tetrachloride
Concen: 6.237 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230821

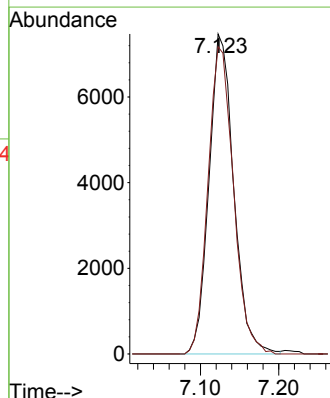
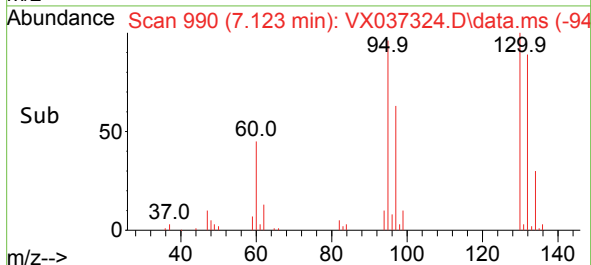
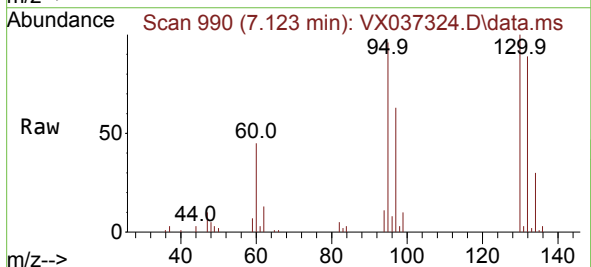


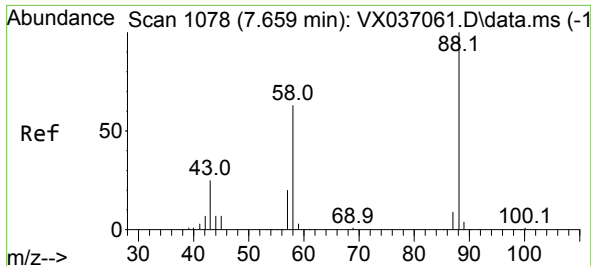
Tgt Ion:117 Resp: 15704
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 8.681 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

Tgt Ion:130 Resp: 16365
Ion Ratio Lower Upper
130 100
95 96.0 0.0 204.4





#49

1,4-Dioxane

Concen: 18.269 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX037324.D

Acq: 29 Aug 2023 06:46

Instrument :

MSVOA_X

ClientSampleId :

RE132D2-20230821

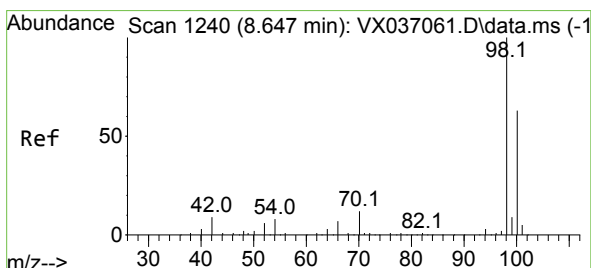
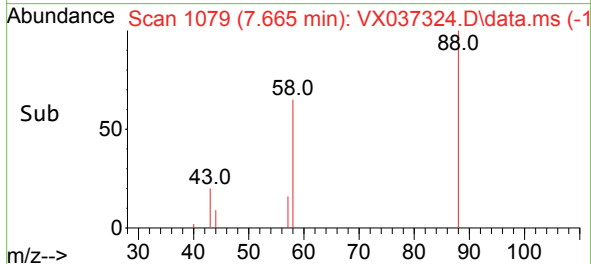
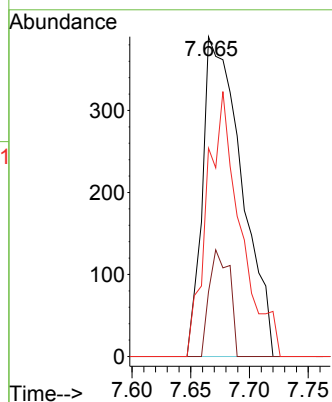
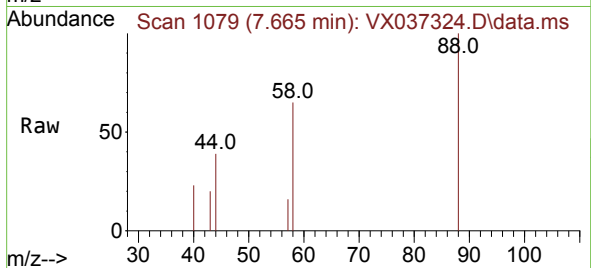
Tgt Ion: 88 Resp: 902

Ion Ratio Lower Upper

88 100

43 17.4 0.0 0.0#

58 70.8 60.1 90.1



#50

Toluene-d8

Concen: 48.532 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX037324.D

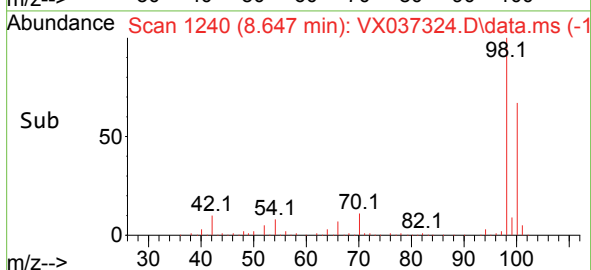
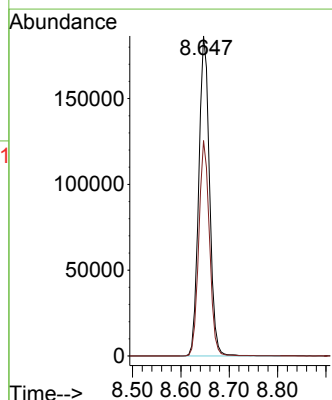
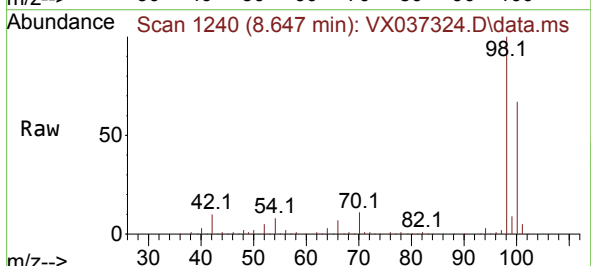
Acq: 29 Aug 2023 06:46

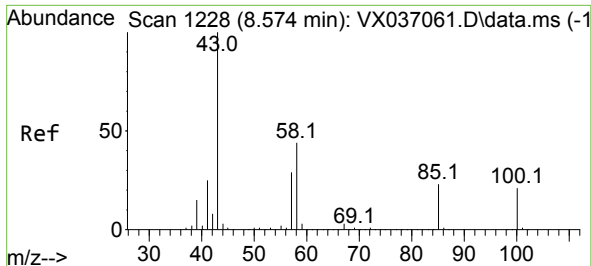
Tgt Ion: 98 Resp: 287223

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7

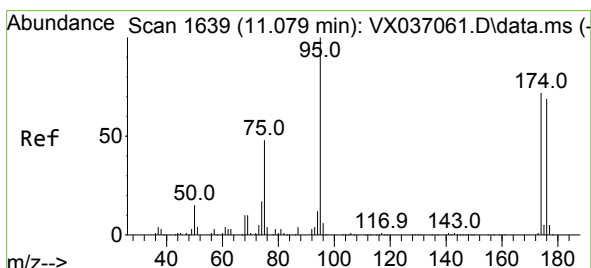
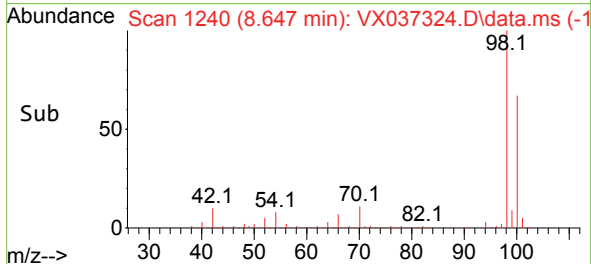
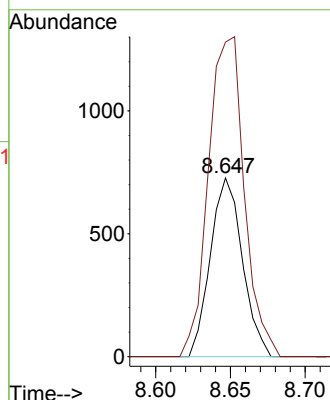
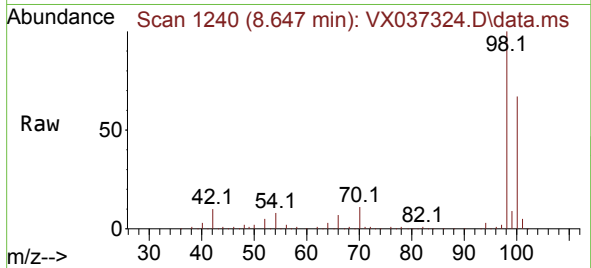




#51
4-Methyl-2-Pentanone
Concen: 0.474 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

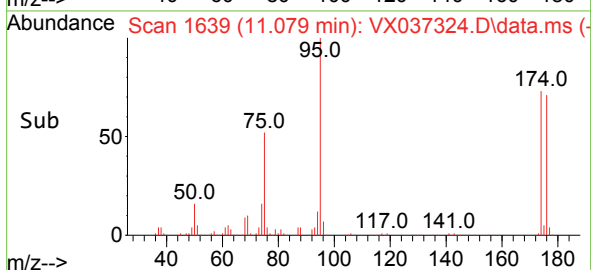
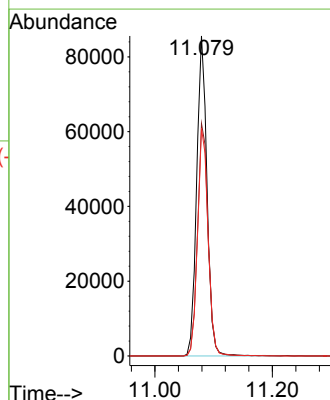
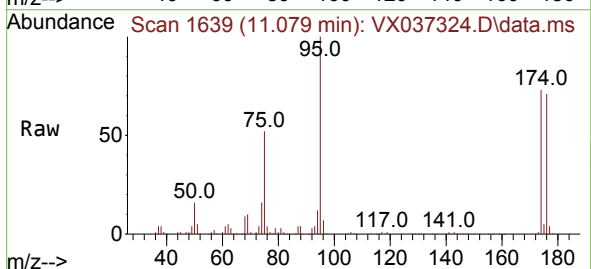
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230821

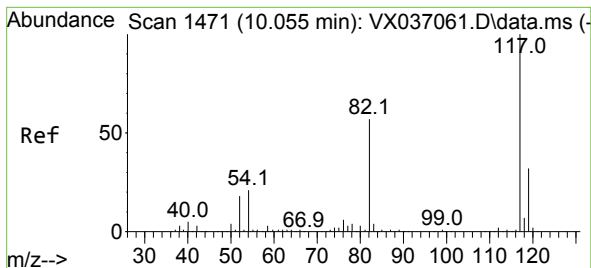
Tgt Ion: 43 Resp: 1082
Ion Ratio Lower Upper
43 100
58 200.8 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 44.889 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

Tgt Ion: 95 Resp: 104404
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 72.6 0.0 131.0

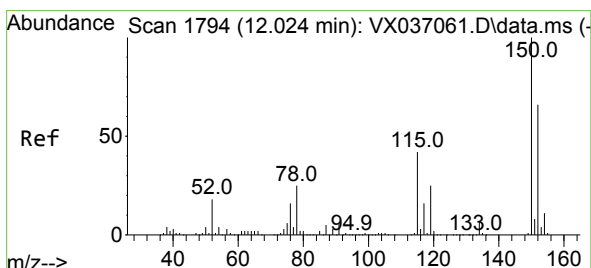
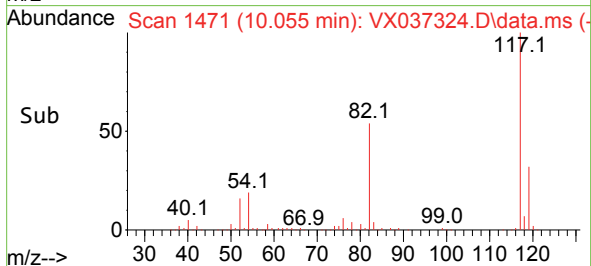
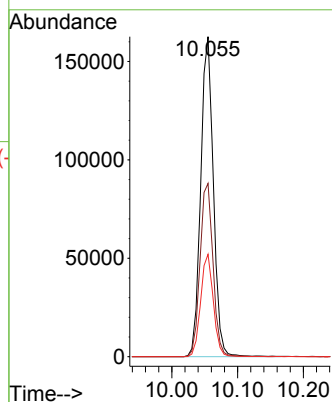
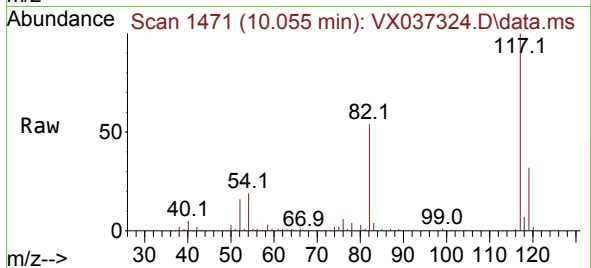




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

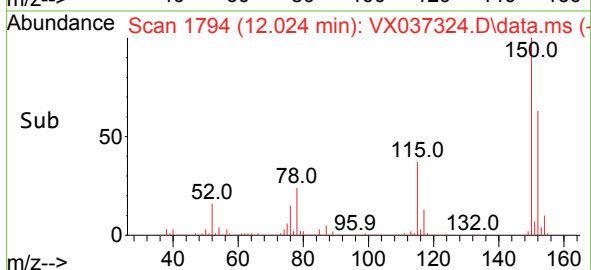
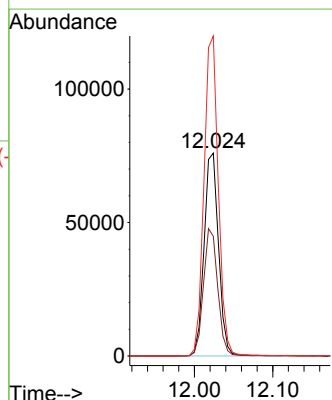
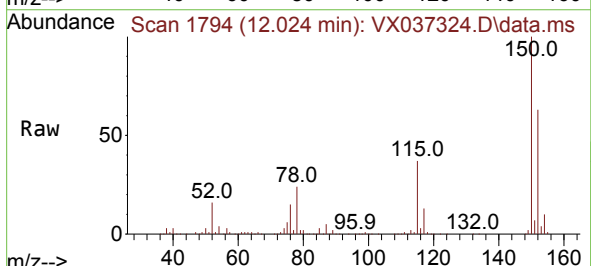
Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230821

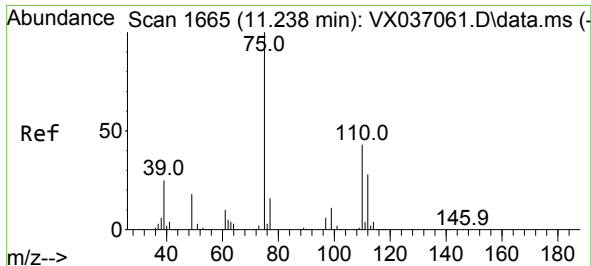
Tgt Ion:117 Resp: 217278
Ion Ratio Lower Upper
117 100
82 54.1 46.2 69.4
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

Tgt Ion:152 Resp: 97206
Ion Ratio Lower Upper
152 100
115 62.2 43.3 129.9
150 156.9 0.0 345.0

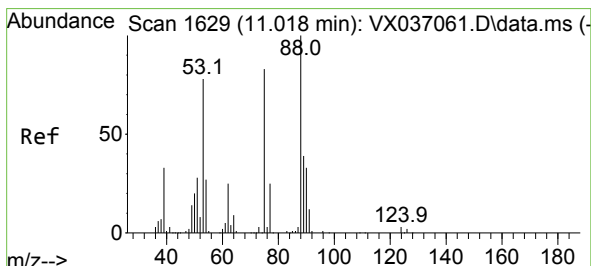
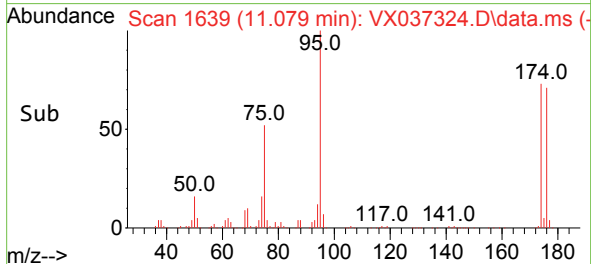
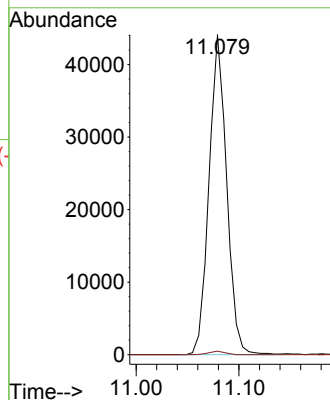
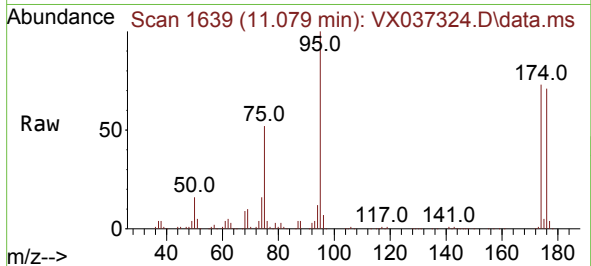




#76
1,2,3-Trichloropropane
Concen: 25.413 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

Instrument :
MSVOA_X
ClientSampleId :
RE132D2-20230821

Tgt Ion: 75 Resp: 52610
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.981 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037324.D
Acq: 29 Aug 2023 06:46

Tgt Ion: 75 Resp: 52610
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

