

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082523\
 Data File : VX037264.D
 Acq On : 25 Aug 2023 12:19
 Operator : JC/MD
 Sample : 04051-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20230816

Quant Time: Aug 26 02:19:07 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)

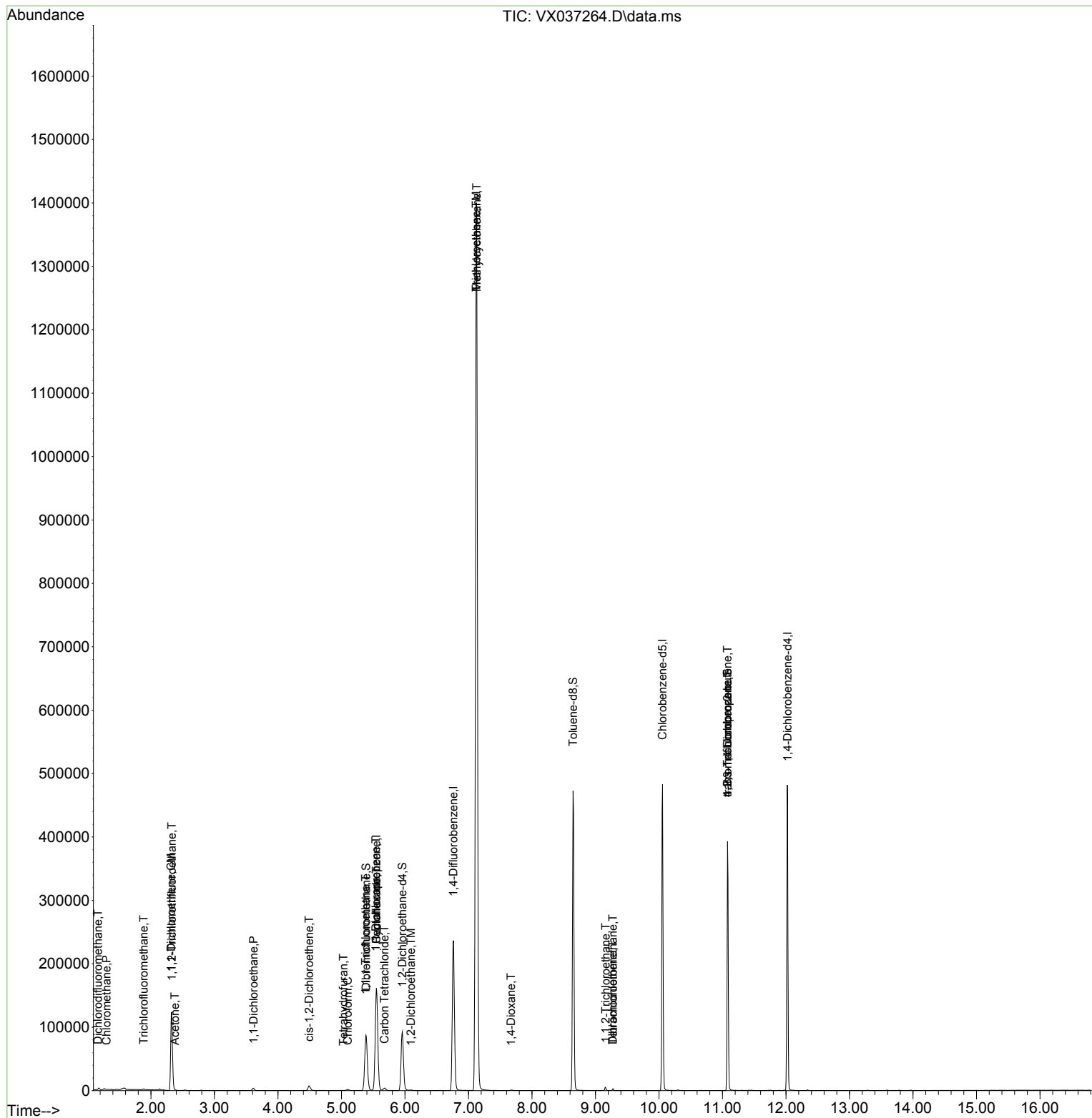
Internal Standards						
1) Pentafluorobenzene	5.550	168	149391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	250575	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93115	43.234	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.460%
35) Dibromofluoromethane	5.385	113	74973	45.178	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.360%
50) Toluene-d8	8.647	98	287757	47.803	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.600%
62) 4-Bromofluorobenzene	11.079	95	107634	45.499	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	424	0.244	ug/l	86
3) Chloromethane	1.301	50	353	0.233	ug/l #	43
7) Trichlorofluoromethane	1.886	101	668	0.247	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	30822	19.518	ug/l	97
12) 1,1-Dichloroethene	2.319	96	21702	14.112	ug/l	82
16) Acetone	2.380	43	764	0.907	ug/l	96
24) 1,1-Dichloroethane	3.617	63	4485	1.464	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	5140	2.494	ug/l	78
29) Tetrahydrofuran	5.032	42	204	0.252	ug/l #	34
30) Chloroform	5.099	83	2204	0.641	ug/l	91
31) Cyclohexane	5.550	56	2996	1.237	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	3566	1.157	ug/l #	49
36) 1,1-Dichloropropene	5.544	75	11770	4.992	ug/l #	51
38) Carbon Tetrachloride	5.678	117	3425	1.337	ug/l	85
39) Methylcyclohexane	7.129	83	6665	2.691	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	1074	0.405	ug/l #	77
44) Trichloroethene	7.123	130	559466	291.788	ug/l	99
49) 1,4-Dioxane	7.671	88	792	15.771	ug/l #	82
55) 1,1,2-Trichloroethane	9.159	97	1472	0.809	ug/l	95
60) Dibromochloromethane	9.275	129	497	0.257	ug/l #	11
64) Tetrachloroethene	9.275	164	515	0.320	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	54549	25.939	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	54549	72.449	ug/l #	5

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

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TT180D2-20230816

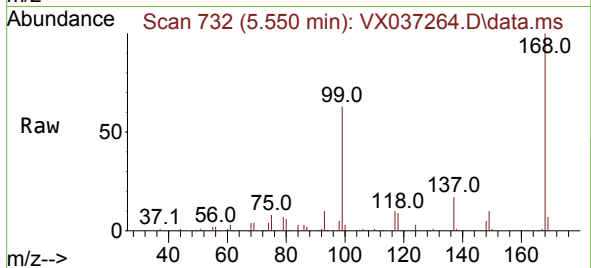
Quant Time: Aug 26 02:19:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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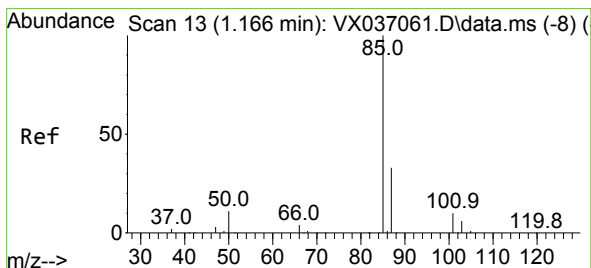
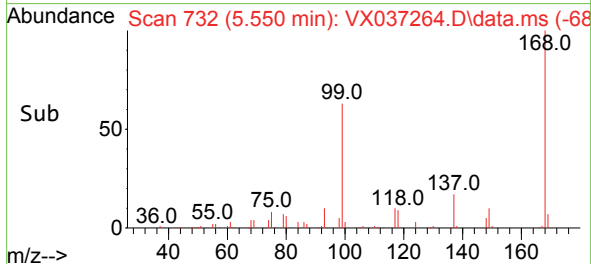
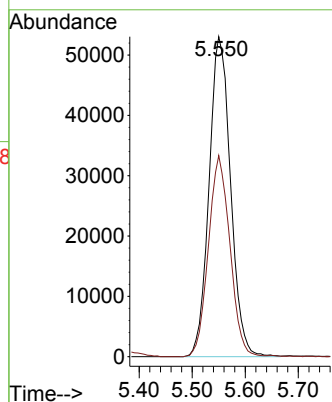


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230816

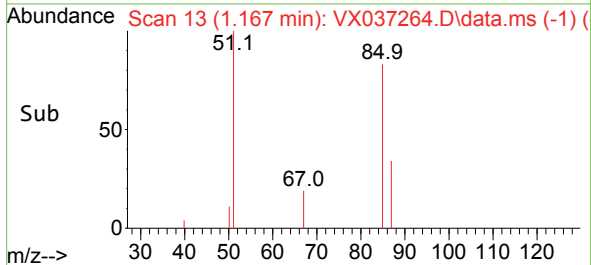
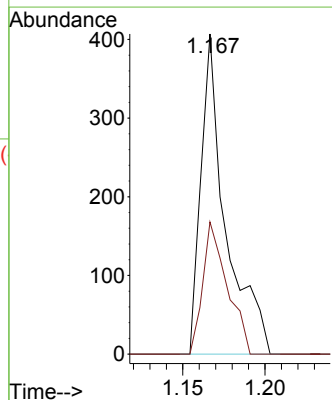
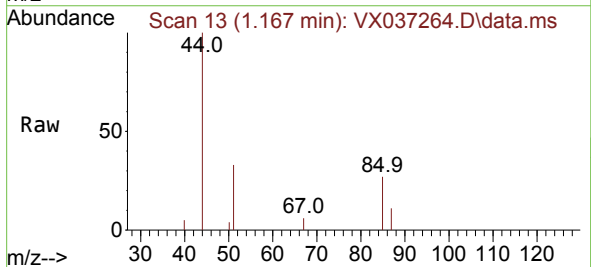


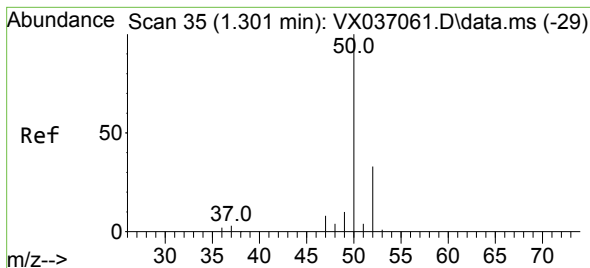
Tgt Ion:168 Resp: 149391
Ion Ratio Lower Upper
168 100
99 62.9 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.244 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Tgt Ion: 85 Resp: 424
Ion Ratio Lower Upper
85 100
87 41.3 16.7 50.1





#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.301 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX037264.D

Acq: 25 Aug 2023 12:19

Instrument :

MSVOA_X

ClientSampleId :

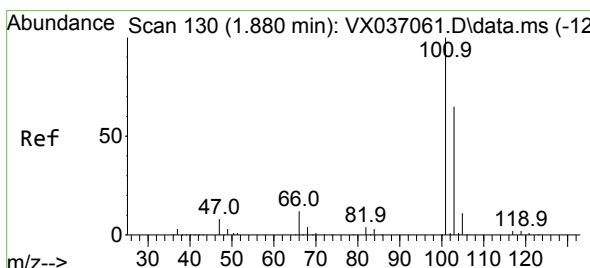
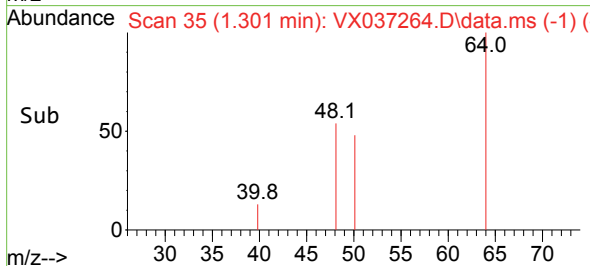
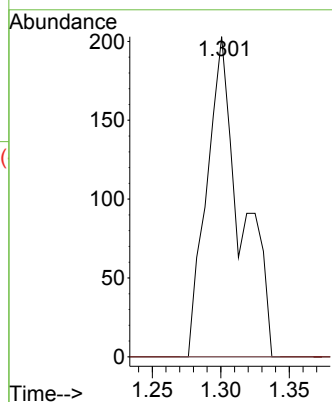
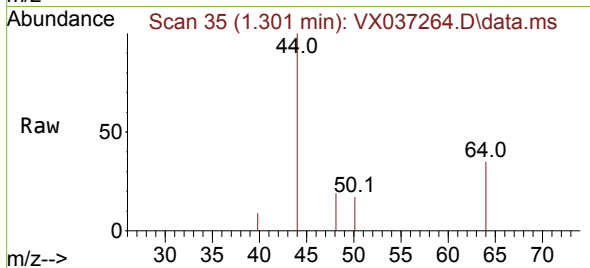
TT180D2-20230816

Tgt Ion: 50 Resp: 353

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#



#7

Trichlorofluoromethane

Concen: 0.247 ug/l

RT: 1.886 min Scan# 131

Delta R.T. 0.006 min

Lab File: VX037264.D

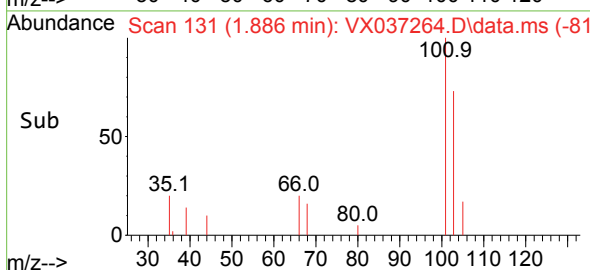
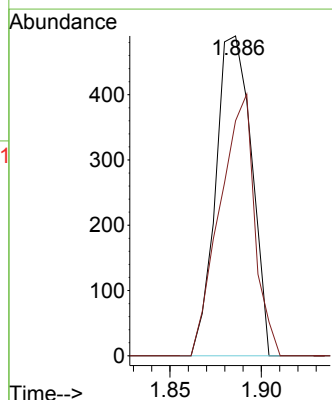
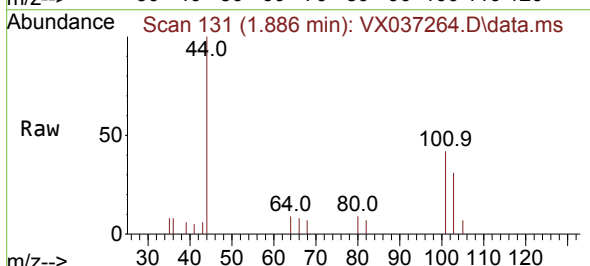
Acq: 25 Aug 2023 12:19

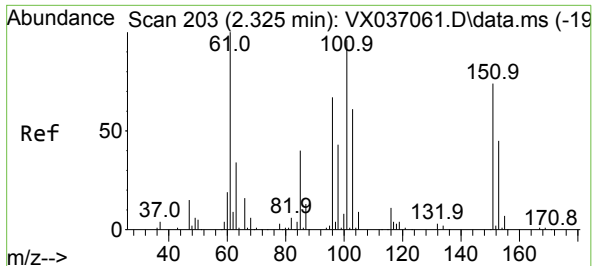
Tgt Ion: 101 Resp: 668

Ion Ratio Lower Upper

101 100

103 73.5 51.4 77.2

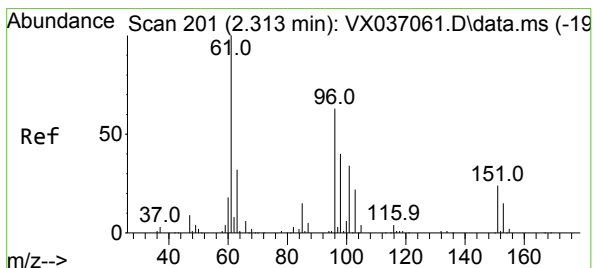
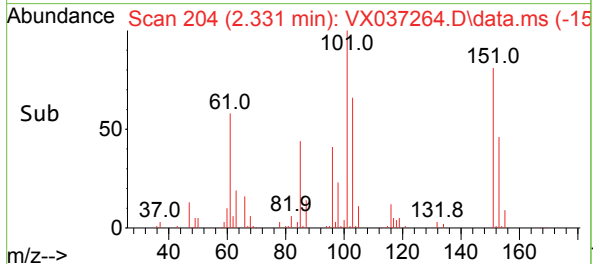
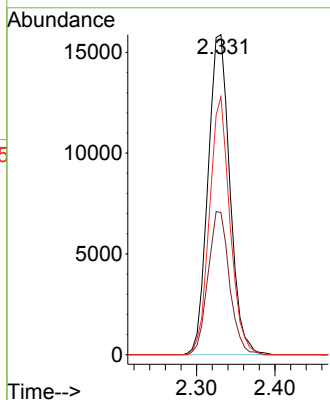
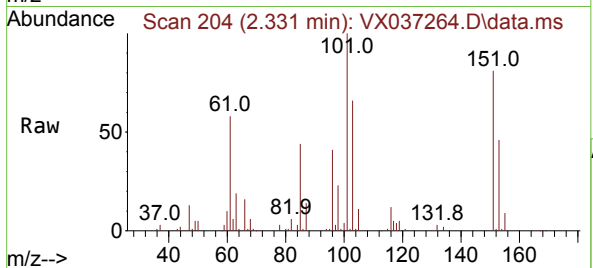




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.518 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

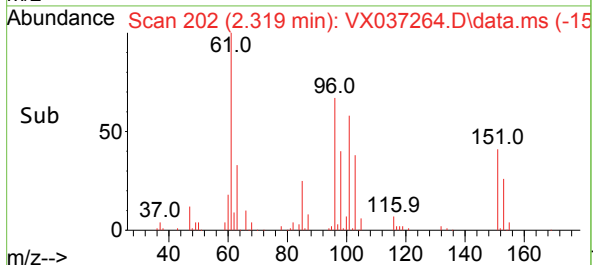
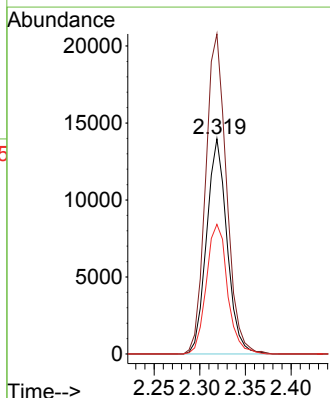
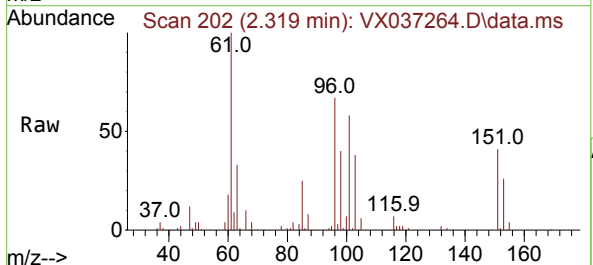
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230816

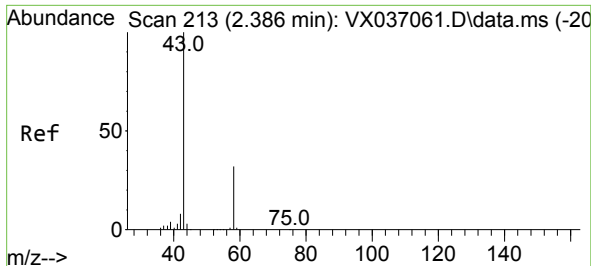
Tgt Ion:101 Resp: 30822
Ion Ratio Lower Upper
101 100
85 43.8 37.0 55.6
151 75.4 58.6 87.8



#12
1,1-Dichloroethene
Concen: 14.112 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Tgt Ion: 96 Resp: 21702
Ion Ratio Lower Upper
96 100
61 148.7 144.6 216.8
98 60.2 50.4 75.6

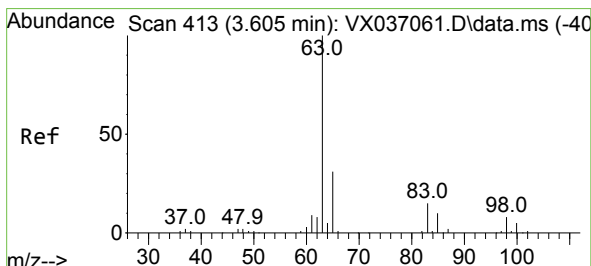
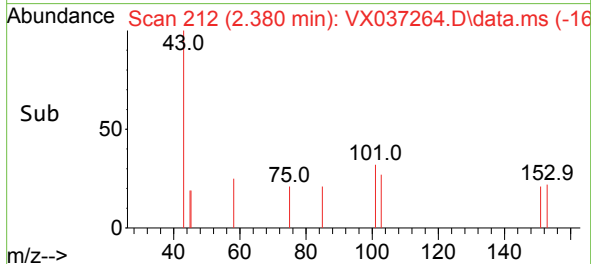
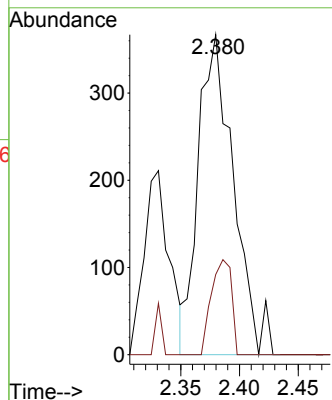
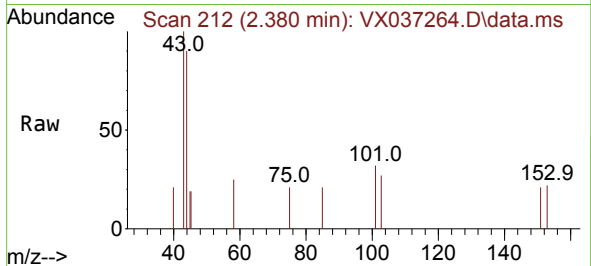




#16
Acetone
Concen: 0.907 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

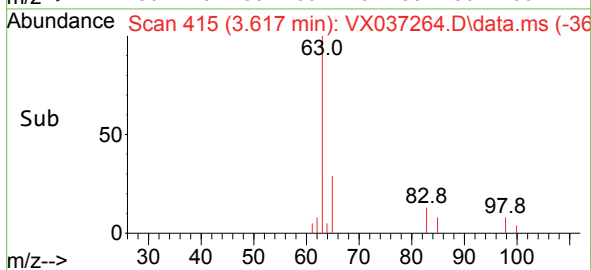
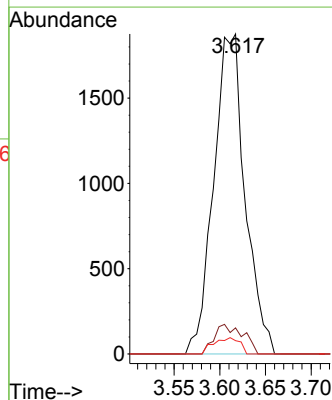
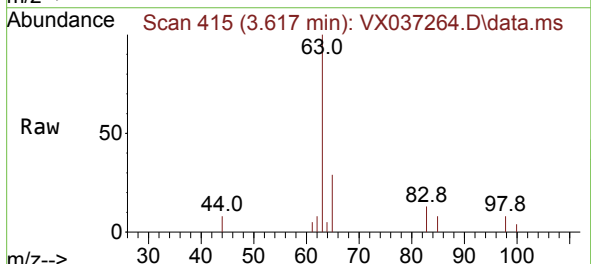
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230816

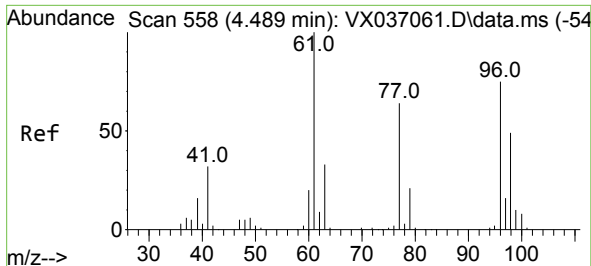
Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
58 25.1 21.9 32.9



#24
1,1-Dichloroethane
Concen: 1.464 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Tgt Ion: 63 Resp: 4485
Ion Ratio Lower Upper
63 100
98 8.2 3.3 9.8
100 4.2 2.1 6.5





#27

cis-1,2-Dichloroethene

Concen: 2.494 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX037264.D

Acq: 25 Aug 2023 12:19

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20230816

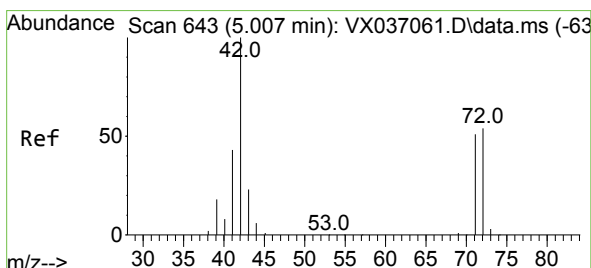
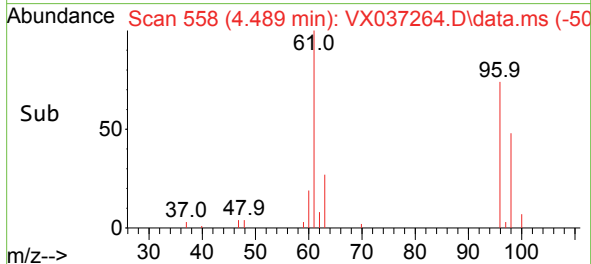
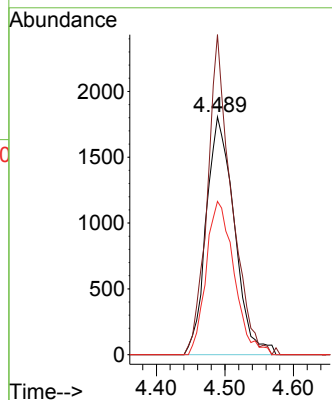
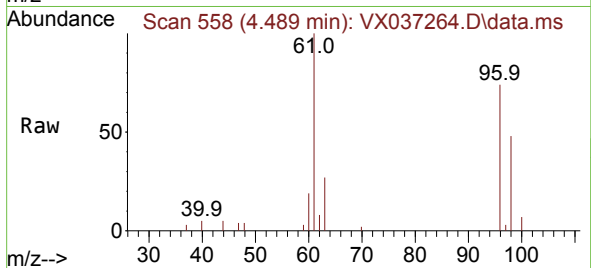
Tgt Ion: 96 Resp: 5140

Ion Ratio Lower Upper

96 100

61 115.5 0.0 312.2

98 64.1 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.252 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.025 min

Lab File: VX037264.D

Acq: 25 Aug 2023 12:19

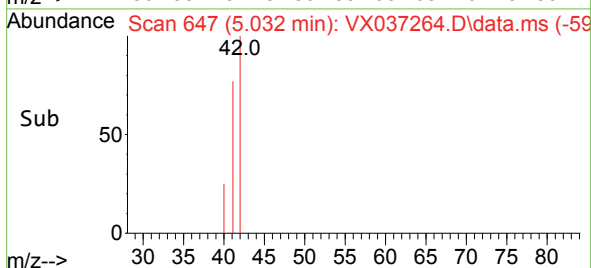
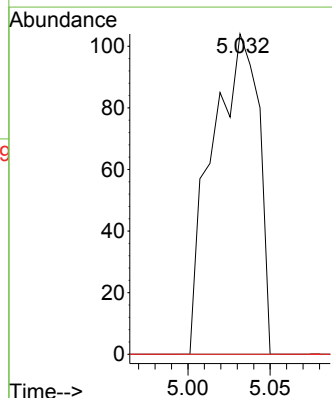
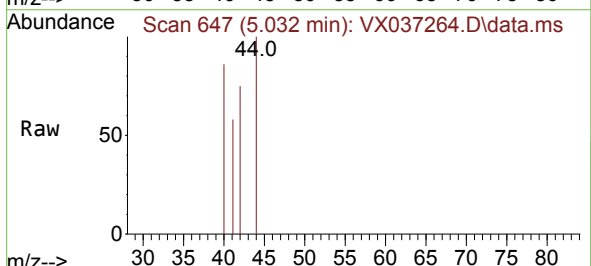
Tgt Ion: 42 Resp: 204

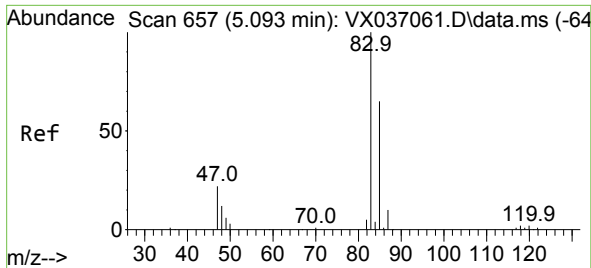
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#

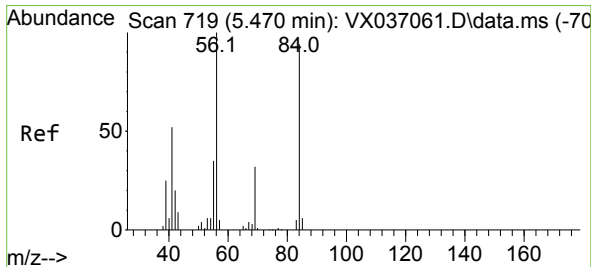
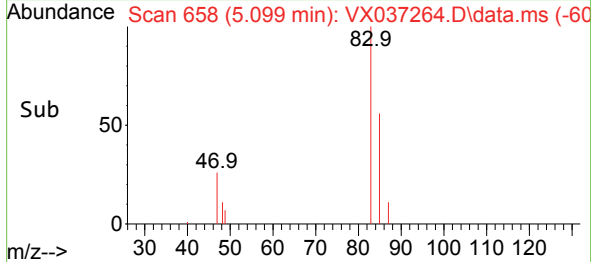
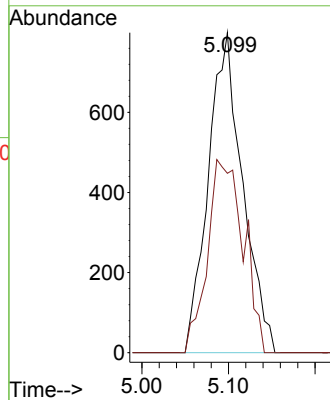
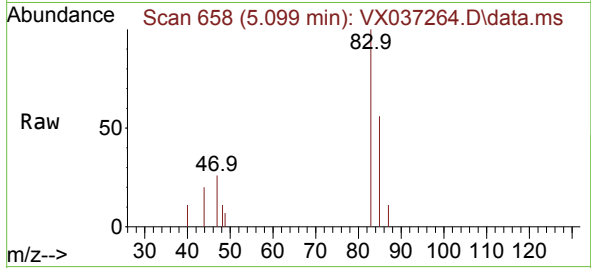




#30
Chloroform
Concen: 0.641 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

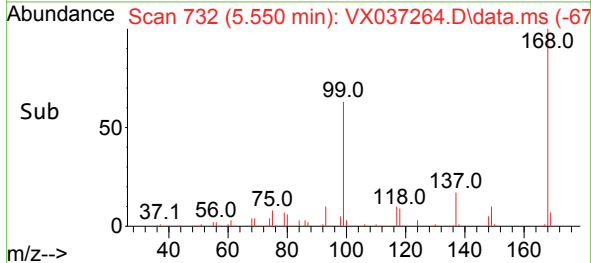
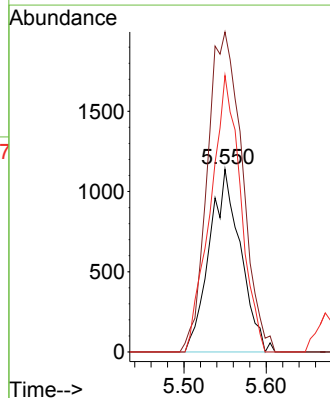
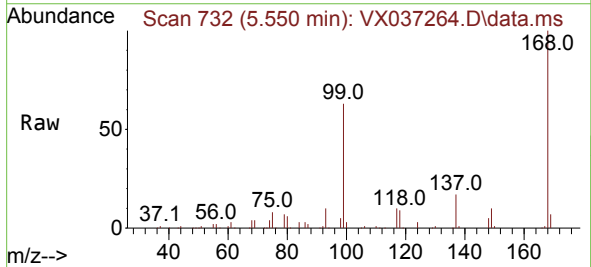
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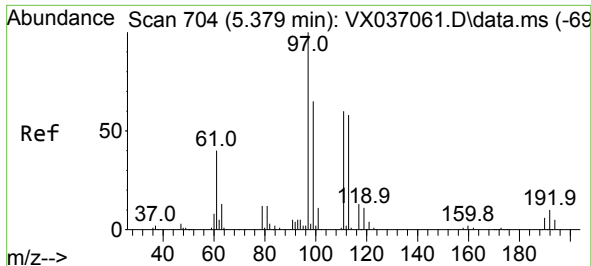
Tgt Ion: 83 Resp: 2204
Ion Ratio Lower Upper
83 100
85 56.1 50.3 75.5



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Tgt Ion: 56 Resp: 2996
Ion Ratio Lower Upper
56 100
69 175.2 23.4 35.2#
84 151.4 65.9 98.9#

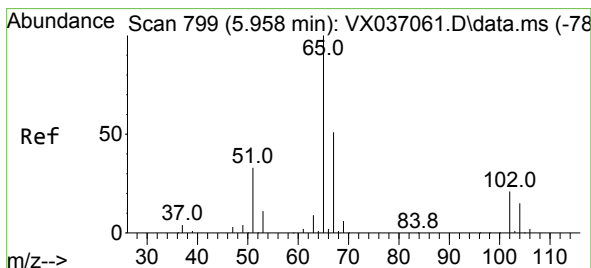
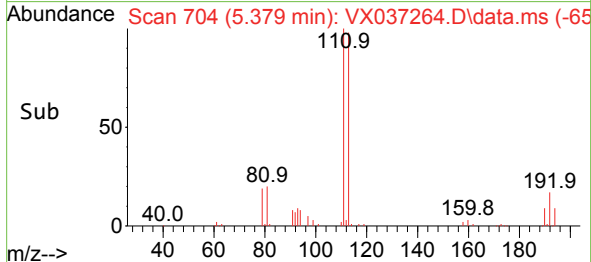
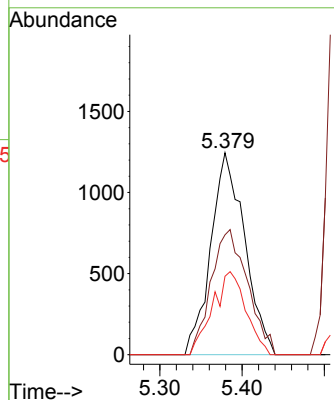
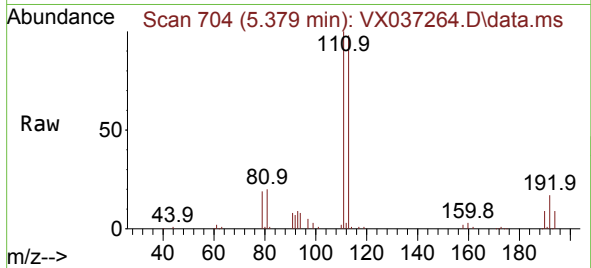




#32
1,1,1-Trichloroethane
Concen: 1.157 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

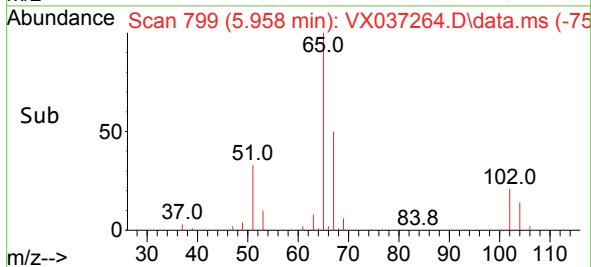
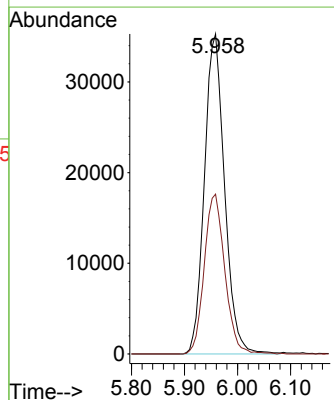
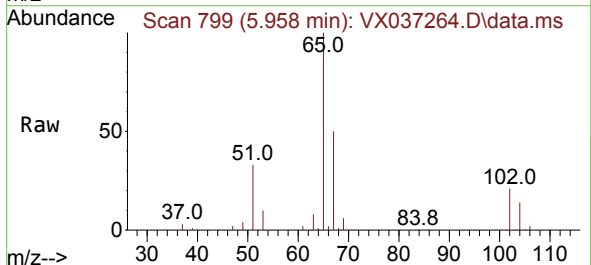
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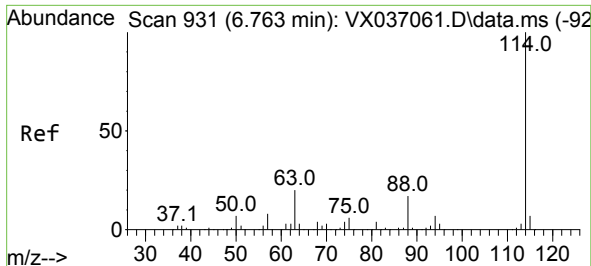
Tgt Ion: 97 Resp: 3566
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 40.5 36.4 54.6



#33
1,2-Dichloroethane-d4
Concen: 43.234 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Tgt Ion: 65 Resp: 93115
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.2

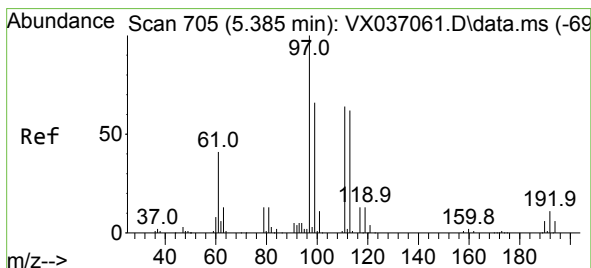
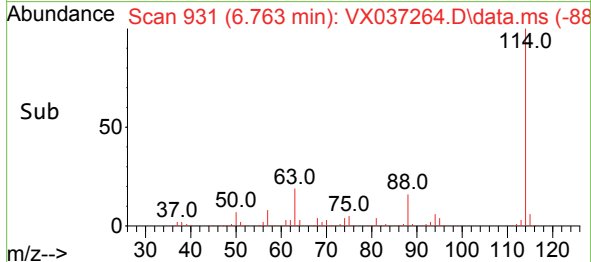
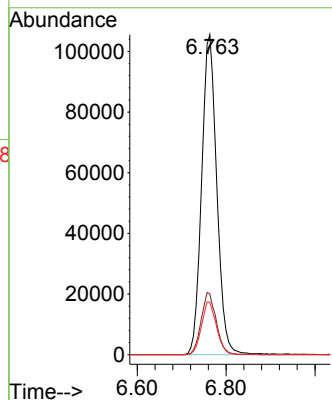
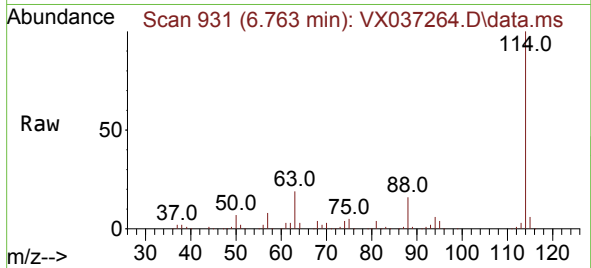




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

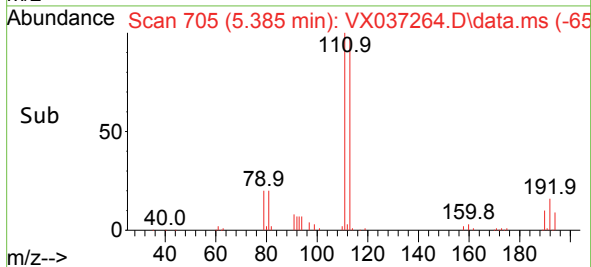
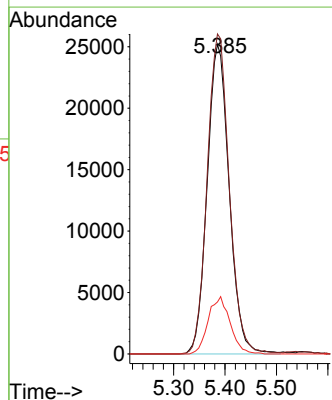
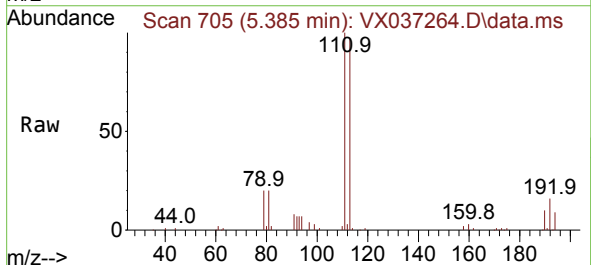
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230816

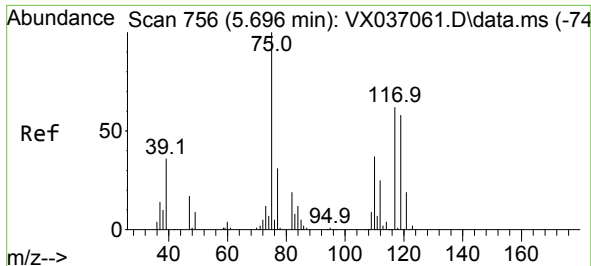
Tgt Ion:114 Resp: 250575
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.178 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Tgt Ion:113 Resp: 74973
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 18.4 13.3 19.9

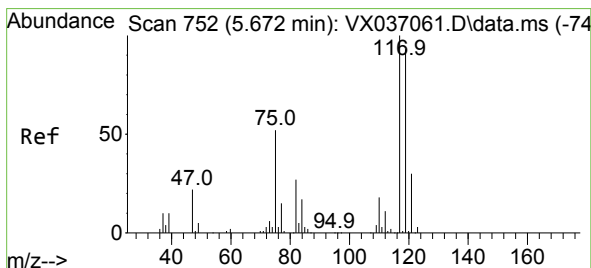
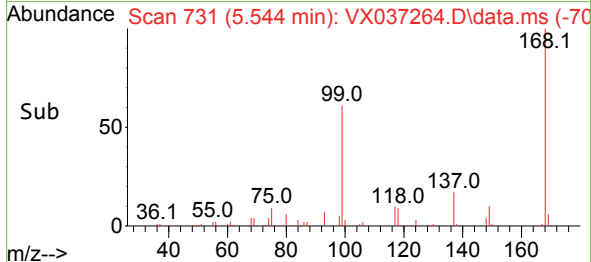
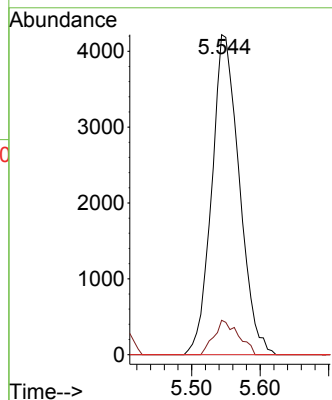
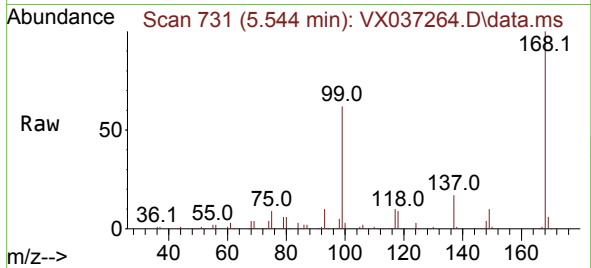




#36
1,1-Dichloropropene
Concen: 4.992 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

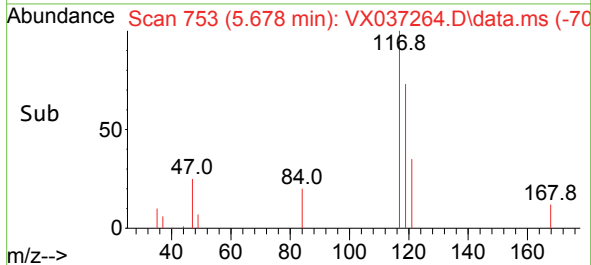
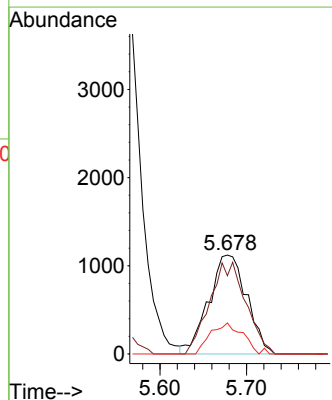
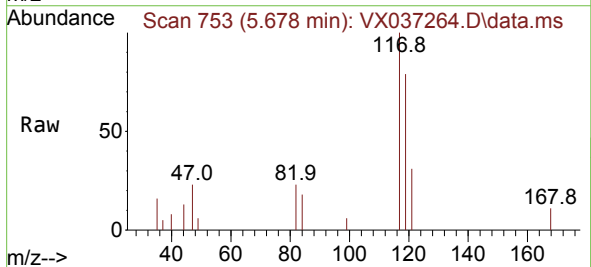
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230816

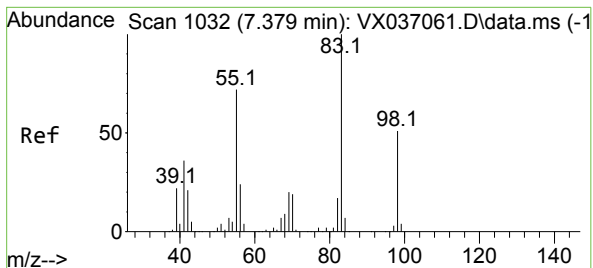
Tgt Ion: 75 Resp: 11770
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 1.337 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Tgt Ion: 117 Resp: 3425
Ion Ratio Lower Upper
117 100
119 79.1 78.2 117.2
121 31.4 24.4 36.6





#39

Methylcyclohexane

Concen: 2.691 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.250 min

Lab File: VX037264.D

Acq: 25 Aug 2023 12:19

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20230816

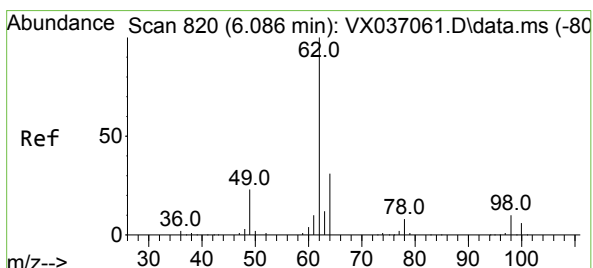
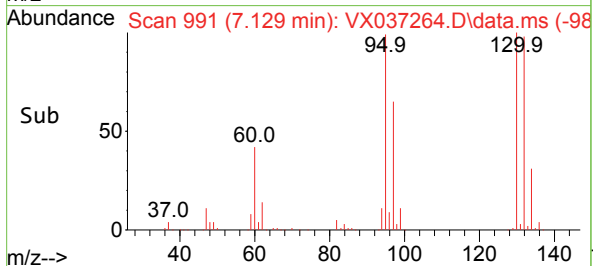
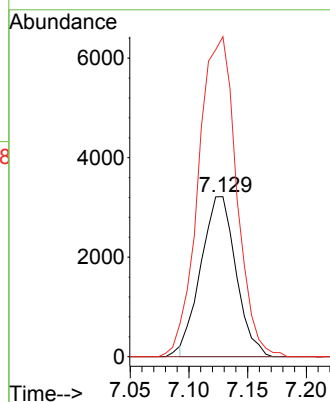
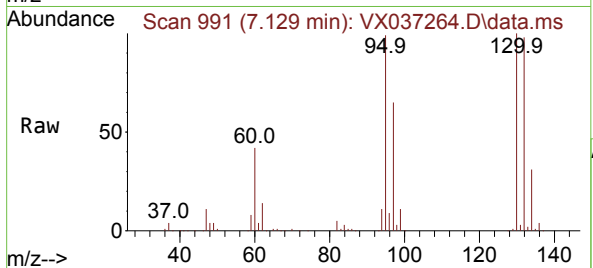
Tgt Ion: 83 Resp: 6665

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 197.6 36.7 55.1#



#42

1,2-Dichloroethane

Concen: 0.405 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX037264.D

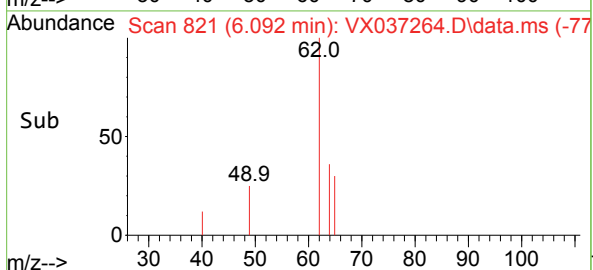
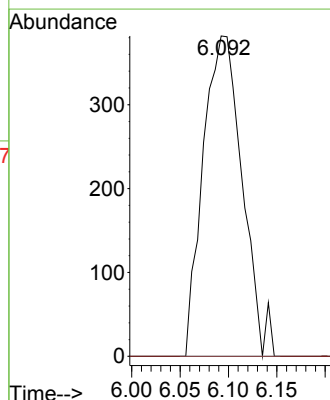
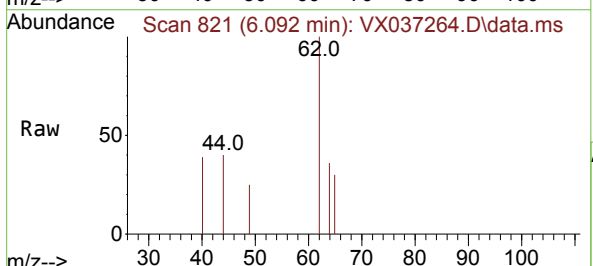
Acq: 25 Aug 2023 12:19

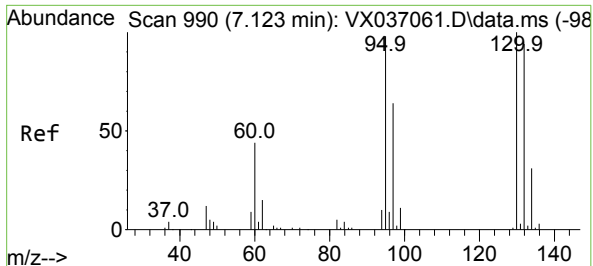
Tgt Ion: 62 Resp: 1074

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0

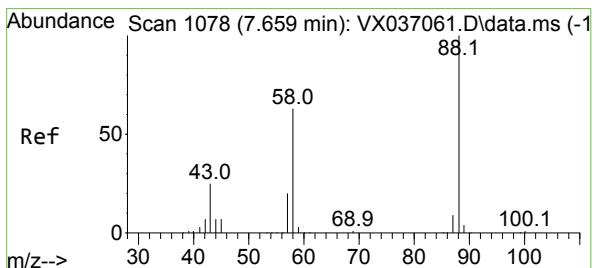
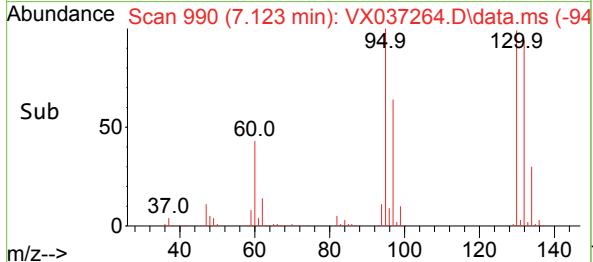
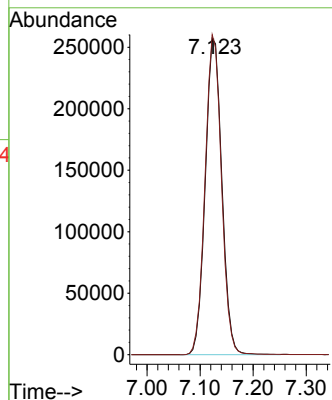
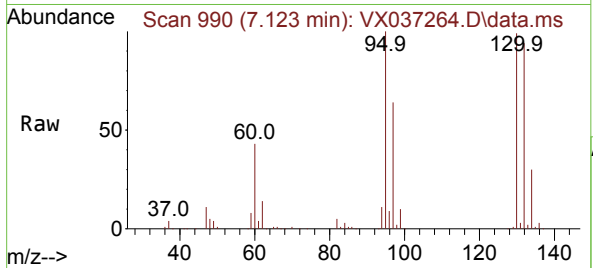




#44
Trichloroethene
Concen: 291.788 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

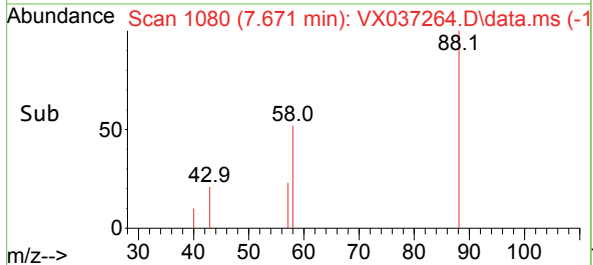
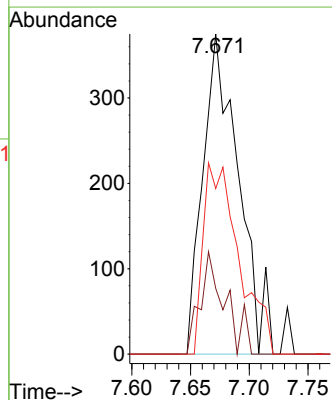
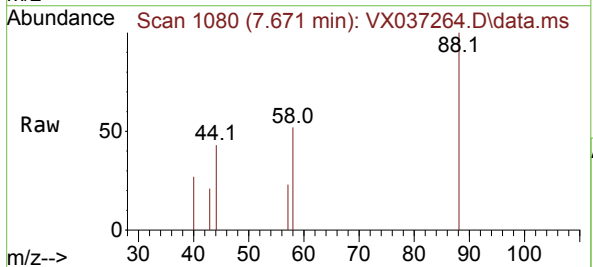
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230816

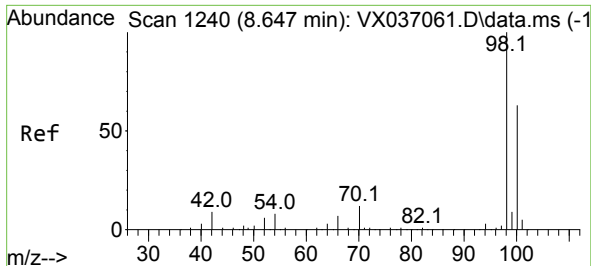
Tgt Ion:130 Resp: 559466
Ion Ratio Lower Upper
130 100
95 101.1 0.0 204.4



#49
1,4-Dioxane
Concen: 15.771 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Tgt Ion: 88 Resp: 792
Ion Ratio Lower Upper
88 100
43 22.6 0.0 0.0#
58 59.7 60.1 90.1#

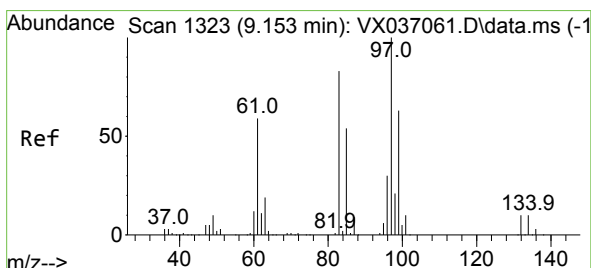
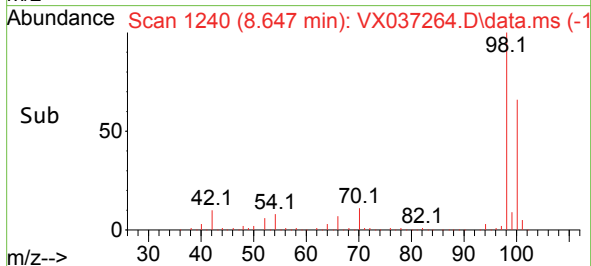
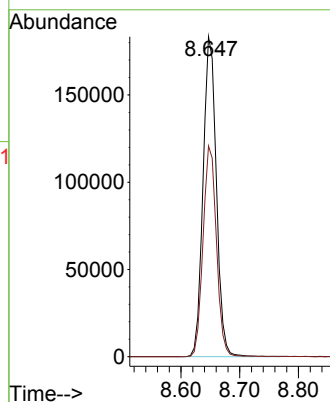
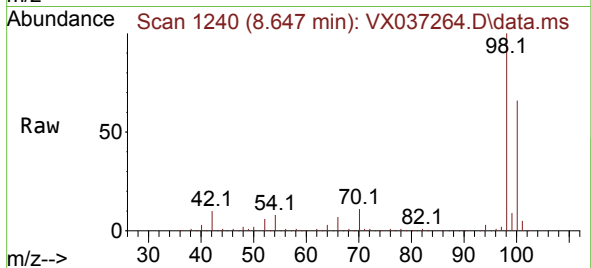




#50
Toluene-d8
Concen: 47.803 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

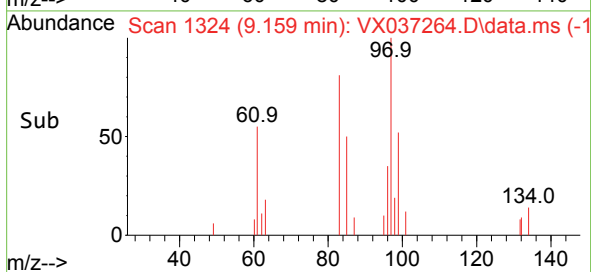
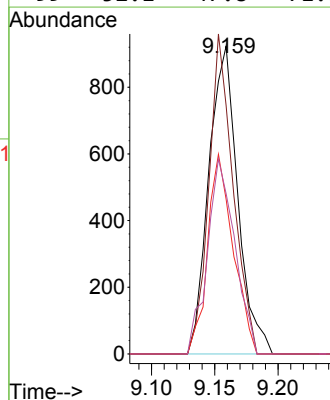
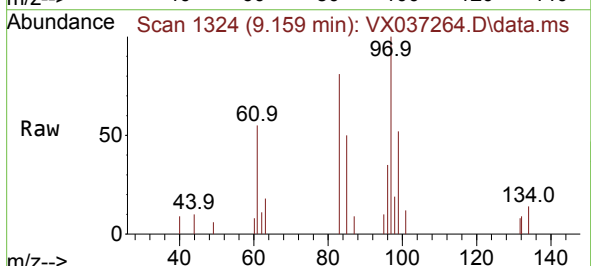
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230816

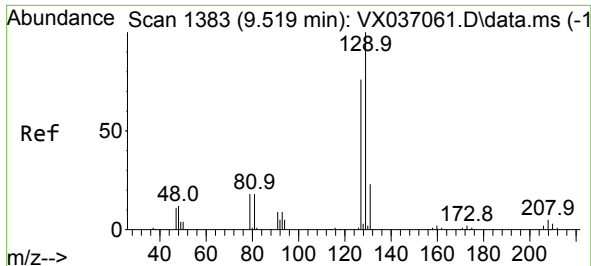
Tgt Ion: 98 Resp: 287757
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.809 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Tgt Ion: 97 Resp: 1472
Ion Ratio Lower Upper
97 100
83 80.6 65.8 98.8
85 50.2 41.6 62.4
99 52.1 47.8 71.8

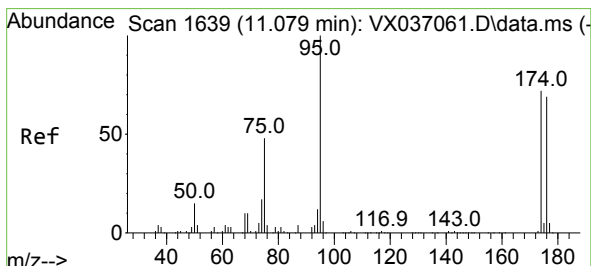
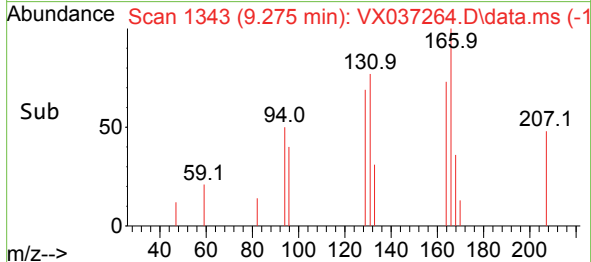
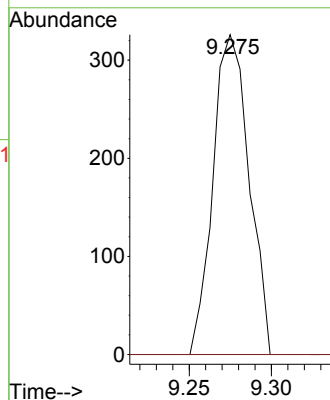
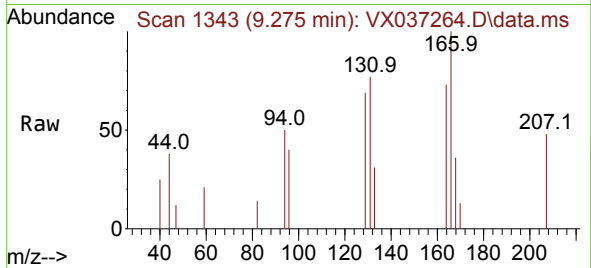




#60
Dibromochloromethane
Concen: 0.257 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

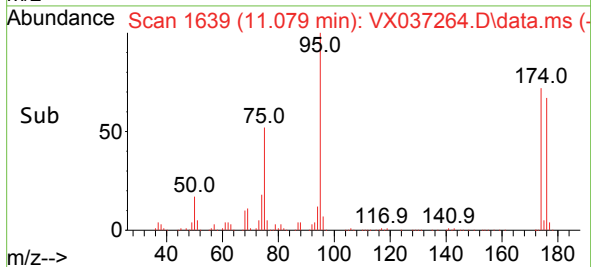
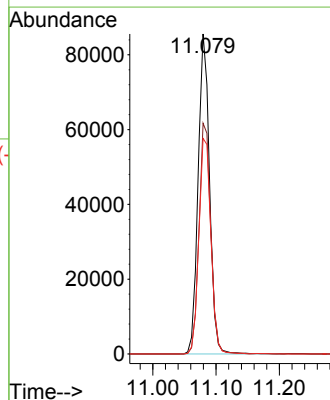
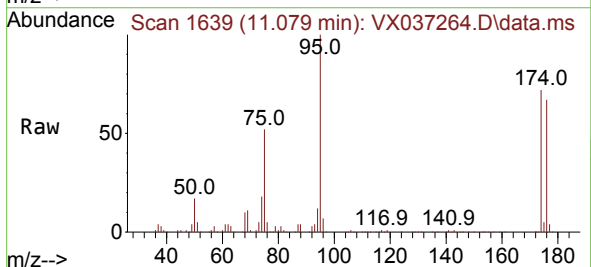
Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20230816

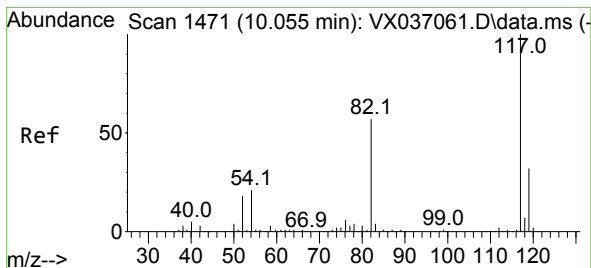
Tgt Ion:129 Resp: 497
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.499 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037264.D
Acq: 25 Aug 2023 12:19

Tgt Ion: 95 Resp: 107634
Ion Ratio Lower Upper
95 100
174 74.2 0.0 135.6
176 71.0 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX037264.D

Acq: 25 Aug 2023 12:19

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20230816

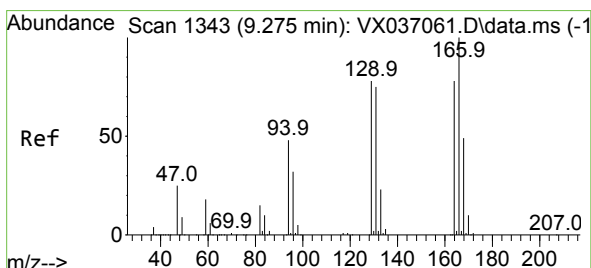
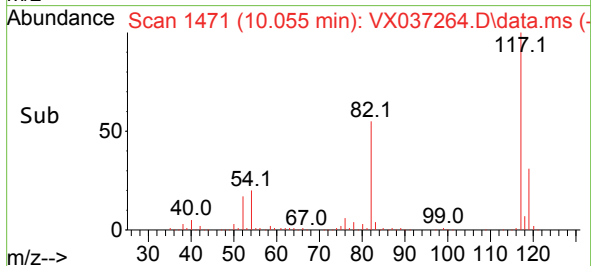
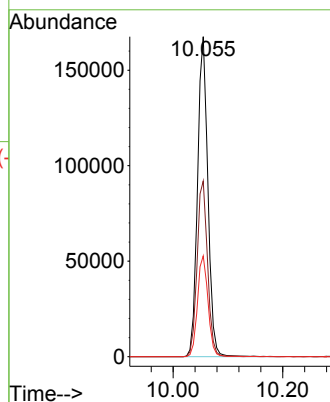
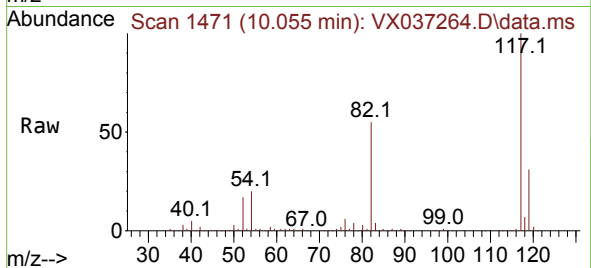
Tgt Ion:117 Resp: 220614

Ion Ratio Lower Upper

117 100

82 54.9 46.2 69.4

119 31.5 25.5 38.3



#64

Tetrachloroethene

Concen: 0.320 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX037264.D

Acq: 25 Aug 2023 12:19

Tgt Ion:164 Resp: 515

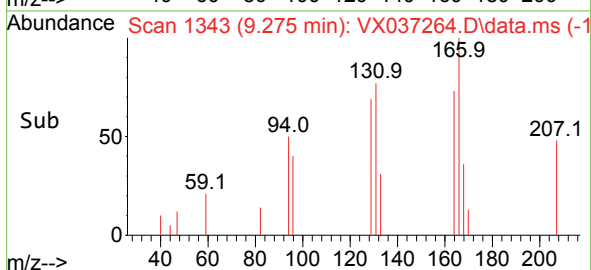
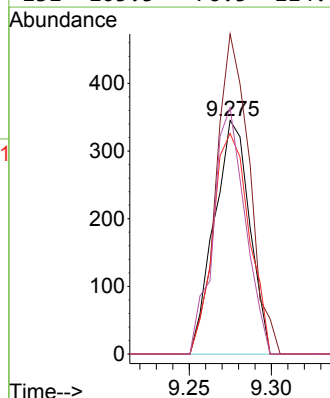
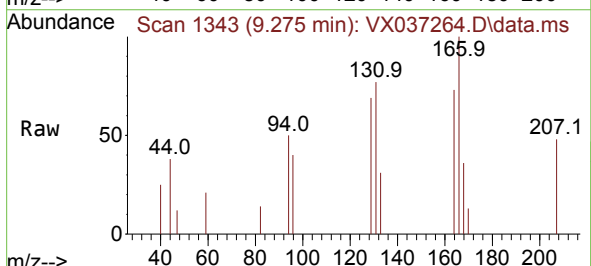
Ion Ratio Lower Upper

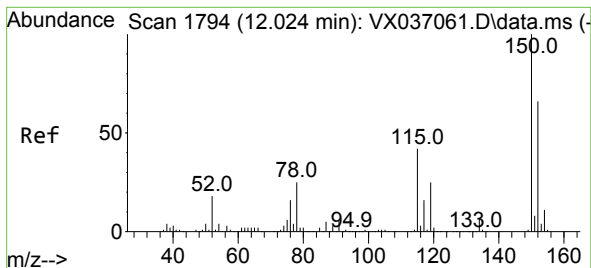
164 100

166 137.1 102.7 154.1

129 94.5 80.4 120.6

131 105.5 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037264.D

Acq: 25 Aug 2023 12:19

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20230816

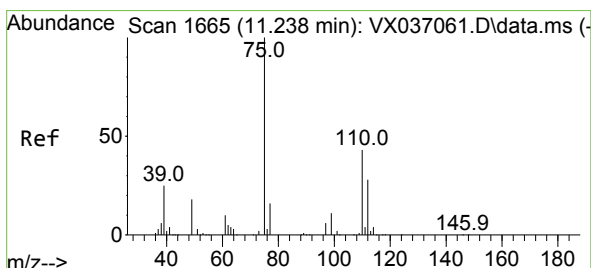
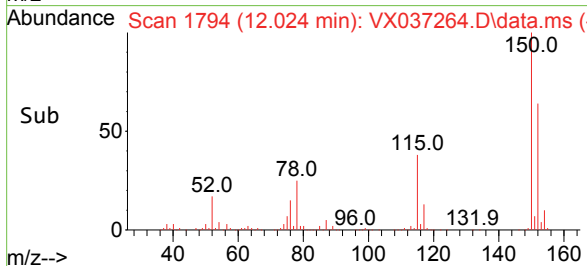
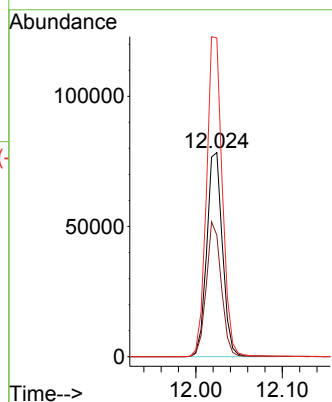
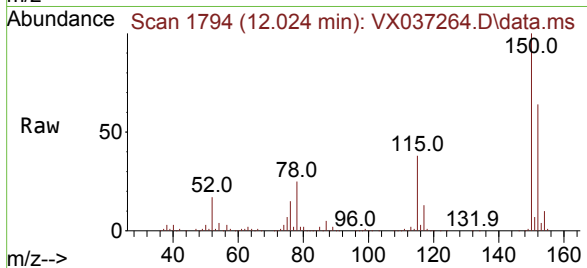
Tgt Ion:152 Resp: 98746

Ion Ratio Lower Upper

152 100

115 63.0 43.3 129.9

150 157.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.939 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037264.D

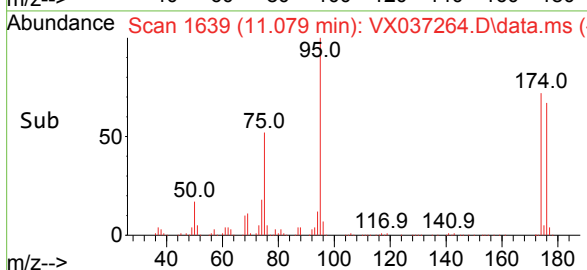
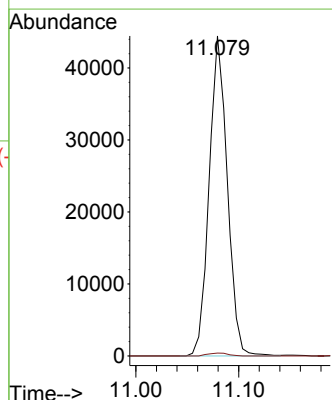
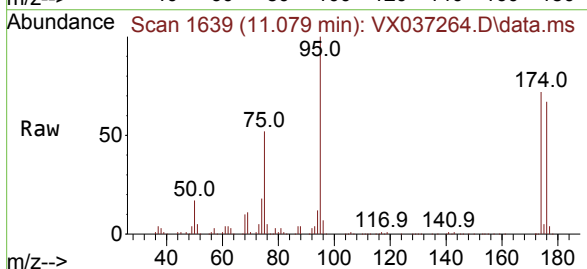
Acq: 25 Aug 2023 12:19

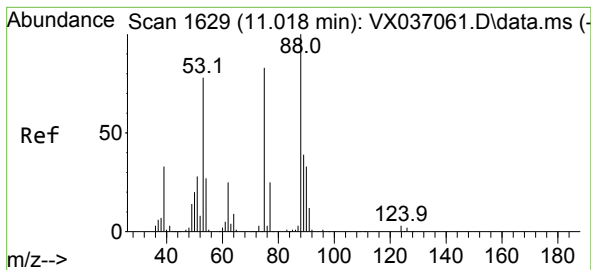
Tgt Ion: 75 Resp: 54549

Ion Ratio Lower Upper

75 100

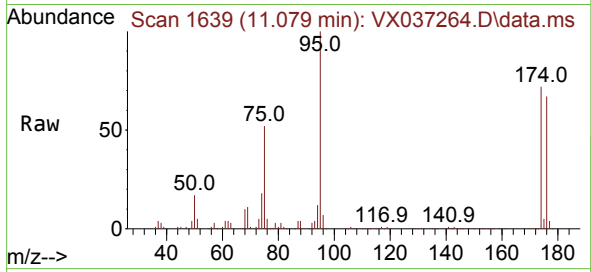
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.449 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037264.D
 Acq: 25 Aug 2023 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20230816



Tgt Ion: 75 Resp: 54549
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

