

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082523\
 Data File : VX037277.D
 Acq On : 25 Aug 2023 17:34
 Operator : JC/MD
 Sample : 04095-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20230818

Quant Time: Aug 26 02:24:03 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)

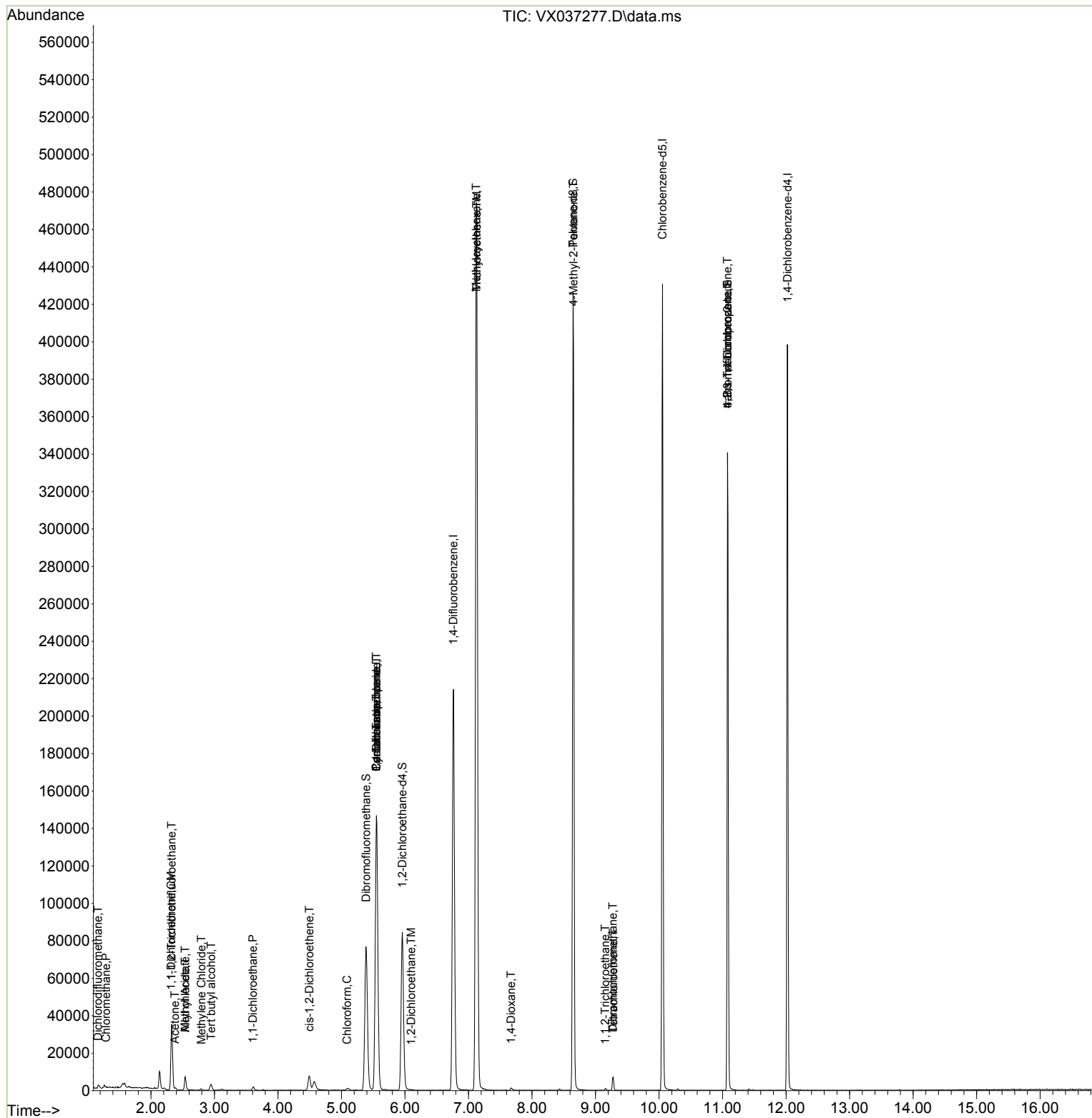
Internal Standards						
1) Pentafluorobenzene	5.550	168	135648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223126	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84881	43.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.800%		
35) Dibromofluoromethane	5.385	113	68917	46.638	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.280%		
50) Toluene-d8	8.647	98	260526	48.604	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.200%		
62) 4-Bromofluorobenzene	11.079	95	95393	45.285	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.580%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	956	0.607	ug/l	93
3) Chloromethane	1.294	50	406	0.295	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	12679	8.842	ug/l	98
11) Tert butyl alcohol	2.947	59	2008	4.377	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	2406	1.723	ug/l	85
14) Allyl chloride	2.538	41	642	0.297	ug/l #	65
16) Acetone	2.380	43	1011	1.321	ug/l	96
18) Methyl Acetate	2.538	43	2143	0.744	ug/l #	53
20) Methylene Chloride	2.794	84	397	0.232	ug/l #	65
24) 1,1-Dichloroethane	3.605	63	2285	0.822	ug/l #	94
27) cis-1,2-Dichloroethene	4.495	96	5706	3.049	ug/l	75
30) Chloroform	5.086	83	1516	0.486	ug/l	95
31) Cyclohexane	5.550	56	2764	1.257	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10839	5.163	ug/l #	51
38) Carbon Tetrachloride	5.550	117	14603	6.403	ug/l #	15
39) Methylcyclohexane	7.123	83	2366	1.073	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	488	0.207	ug/l #	77
44) Trichloroethene	7.129	130	195732	114.642	ug/l	94
49) 1,4-Dioxane	7.671	88	1174	26.253	ug/l #	82
51) 4-Methyl-2-Pentanone	8.653	43	1013	0.490	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	350	0.216	ug/l #	82
60) Dibromochloromethane	9.275	129	1523	0.883	ug/l #	11
64) Tetrachloroethene	9.281	164	1413	0.978	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	47749	25.847	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	47749	72.193	ug/l #	5

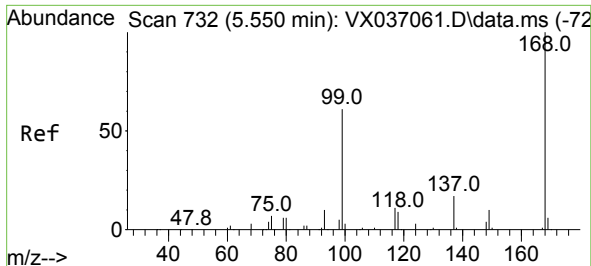
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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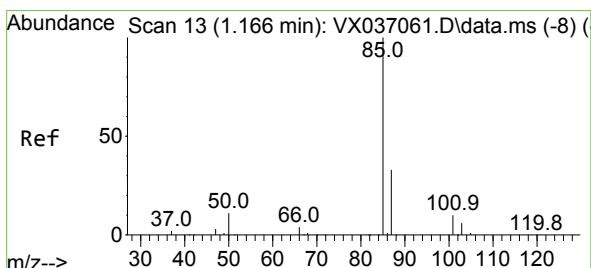
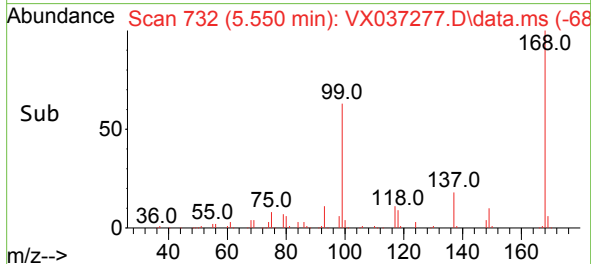
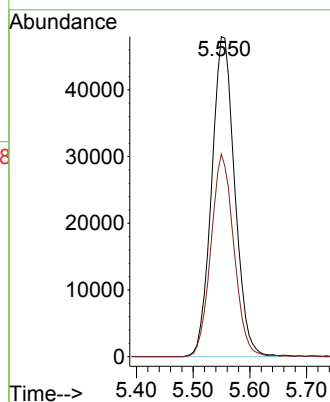
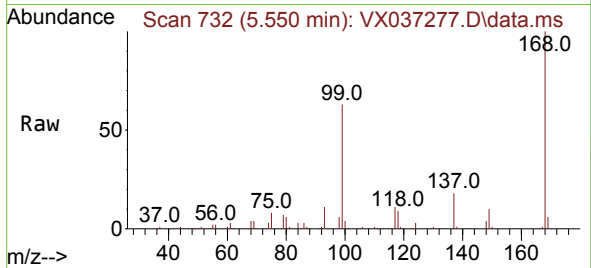




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

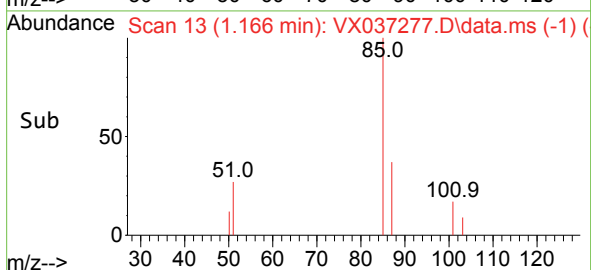
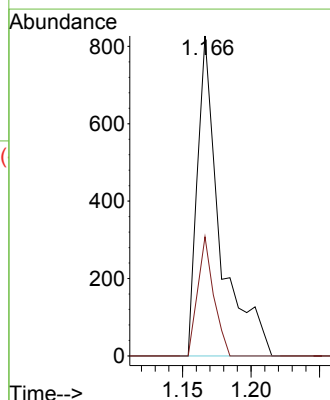
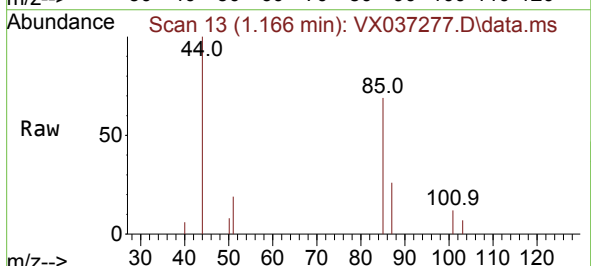
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20230818

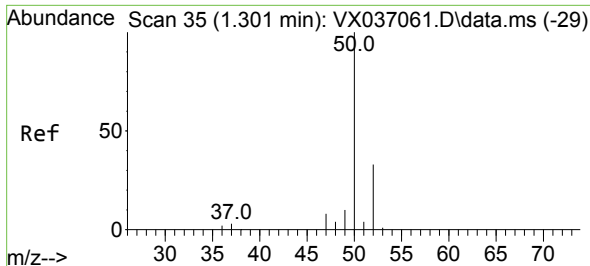
Tgt Ion:168 Resp: 135648
Ion Ratio Lower Upper
168 100
99 63.3 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.607 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion: 85 Resp: 956
Ion Ratio Lower Upper
85 100
87 37.2 16.7 50.1

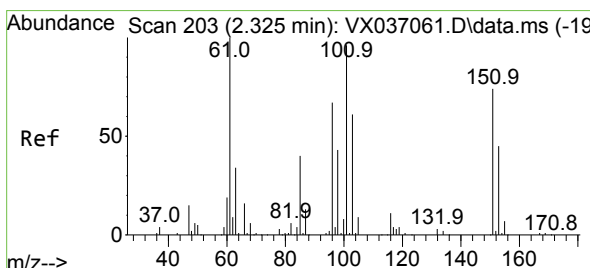
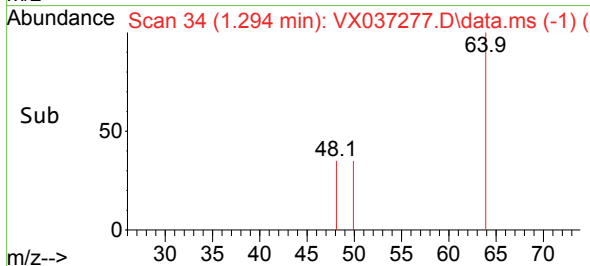
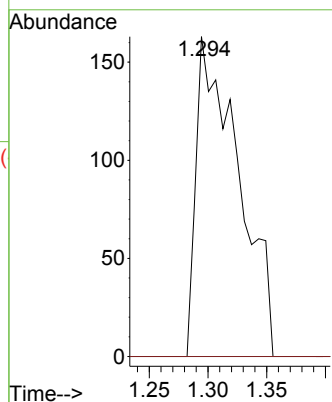
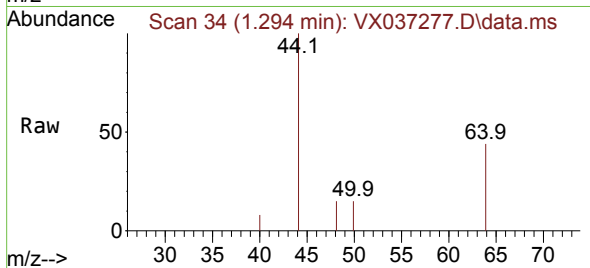




#3
Chloromethane
Concen: 0.295 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

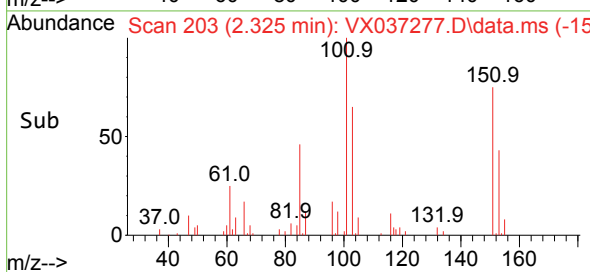
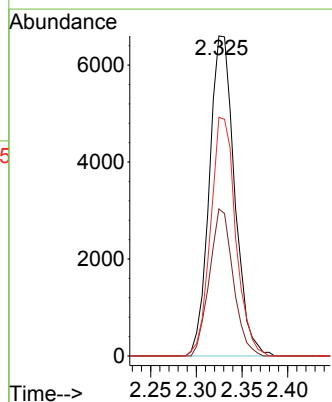
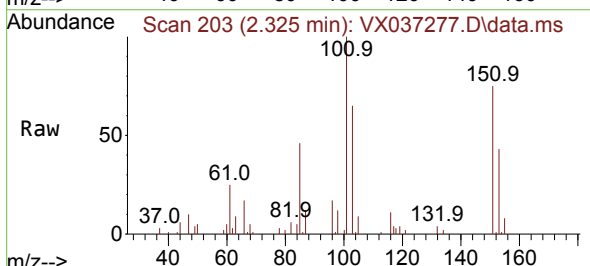
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20230818

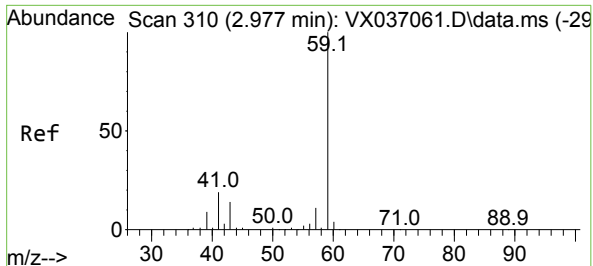
Tgt Ion: 50 Resp: 406
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.842 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion: 101 Resp: 12679
Ion Ratio Lower Upper
101 100
85 43.2 37.0 55.6
151 74.1 58.6 87.8

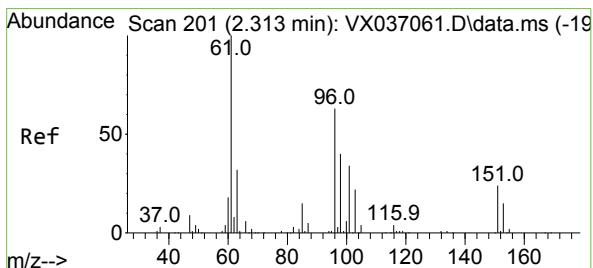
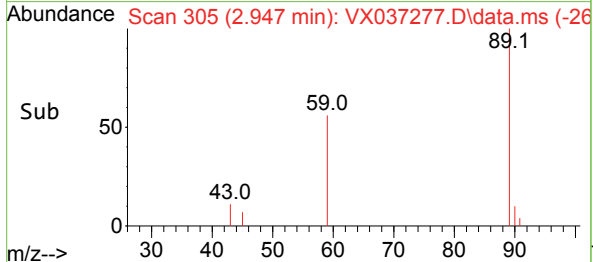
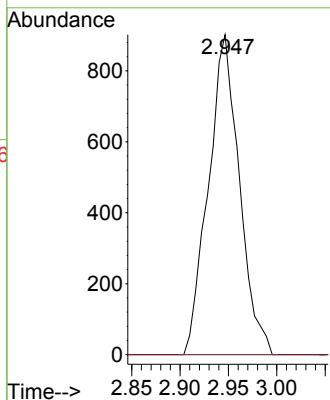
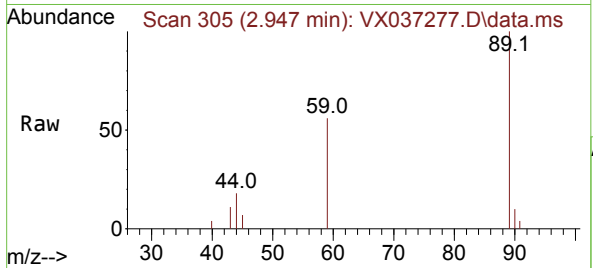




#11
Tert butyl alcohol
Concen: 4.377 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

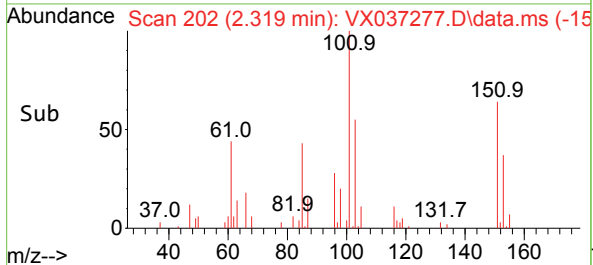
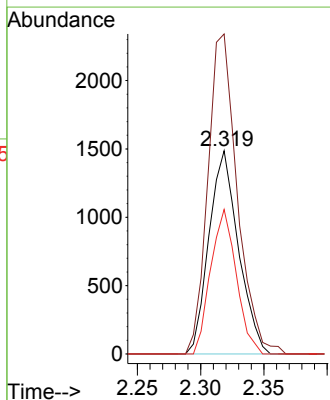
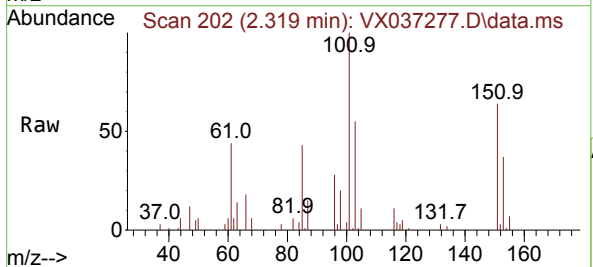
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20230818

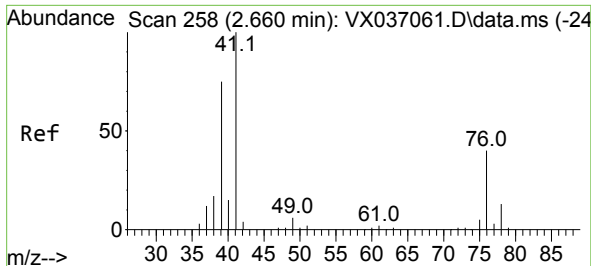
Tgt Ion: 59 Resp: 2008
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 1.723 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion: 96 Resp: 2406
Ion Ratio Lower Upper
96 100
61 157.4 144.6 216.8
98 71.1 50.4 75.6





#14

Allyl chloride

Concen: 0.297 ug/l

RT: 2.538 min Scan# 21

Delta R.T. -0.122 min

Lab File: VX037277.D

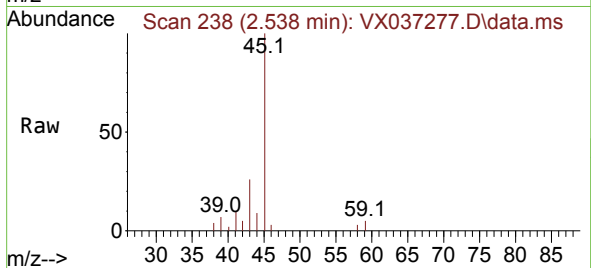
Acq: 25 Aug 2023 17:34

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20230818



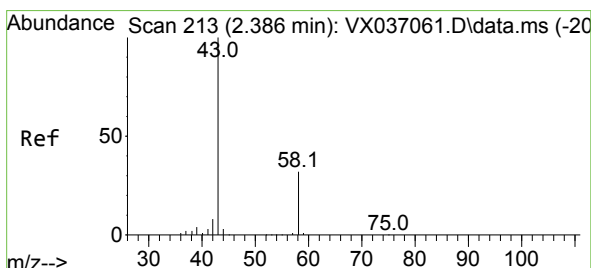
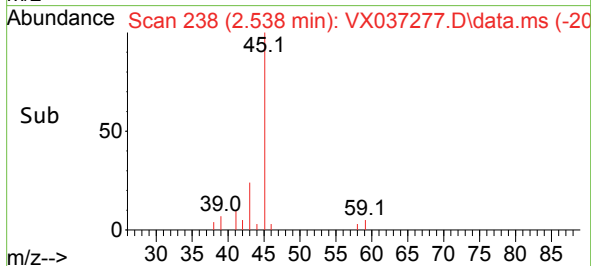
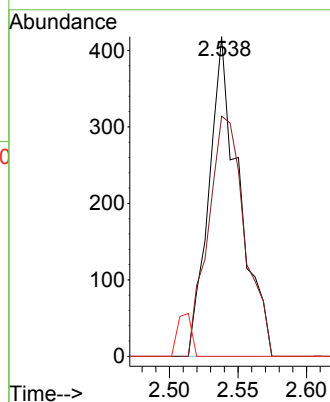
Tgt Ion: 41 Resp: 642

Ion Ratio Lower Upper

41 100

39 91.0 55.8 83.6#

76 0.0 24.3 36.5#



#16

Acetone

Concen: 1.321 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037277.D

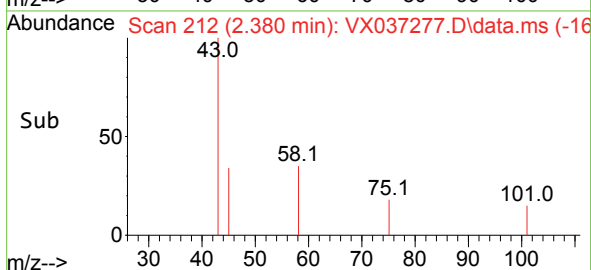
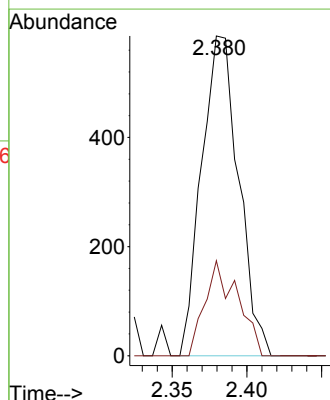
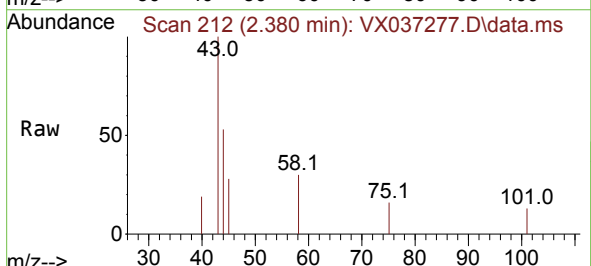
Acq: 25 Aug 2023 17:34

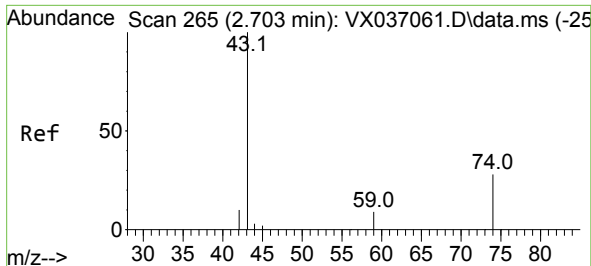
Tgt Ion: 43 Resp: 1011

Ion Ratio Lower Upper

43 100

58 29.7 21.9 32.9





#18

Methyl Acetate

Concen: 0.744 ug/l

RT: 2.538 min Scan# 21

Delta R.T. -0.165 min

Lab File: VX037277.D

Acq: 25 Aug 2023 17:34

Instrument :

MSVOA_X

ClientSampleId :

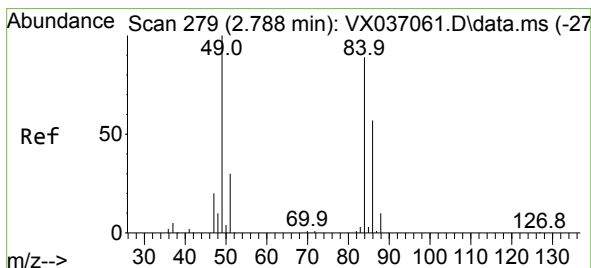
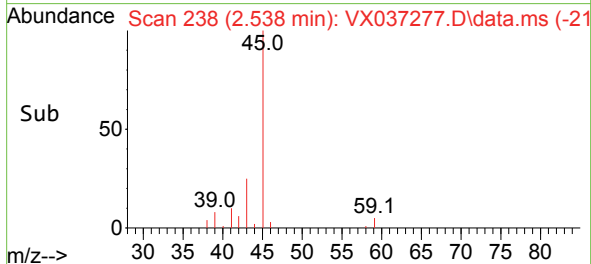
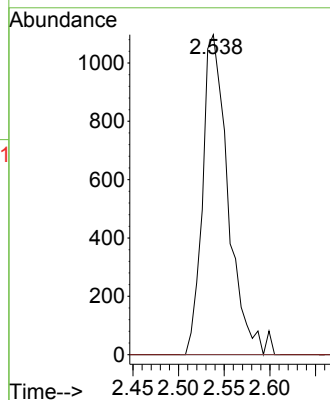
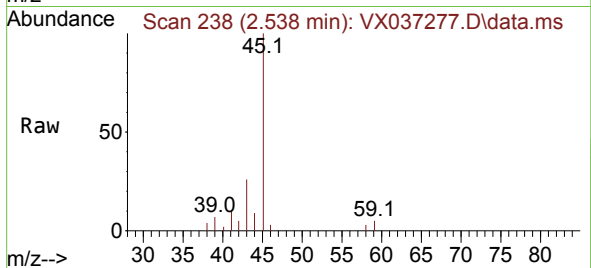
TT101D-20230818

Tgt Ion: 43 Resp: 2143

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



#20

Methylene Chloride

Concen: 0.232 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX037277.D

Acq: 25 Aug 2023 17:34

Tgt Ion: 84 Resp: 397

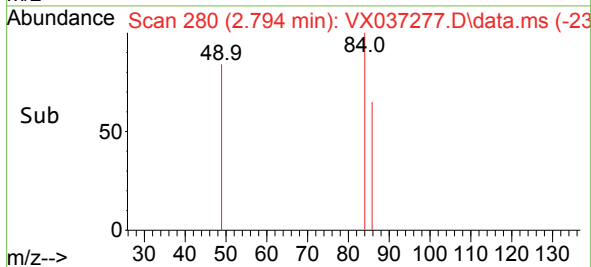
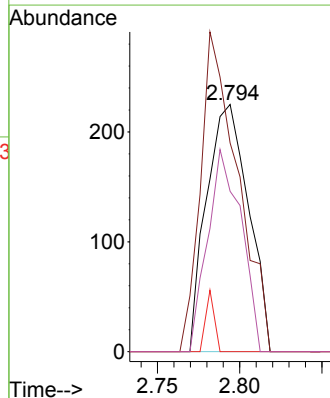
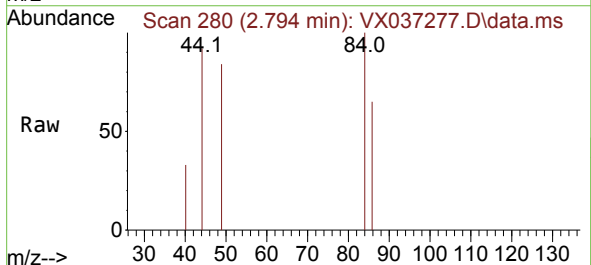
Ion Ratio Lower Upper

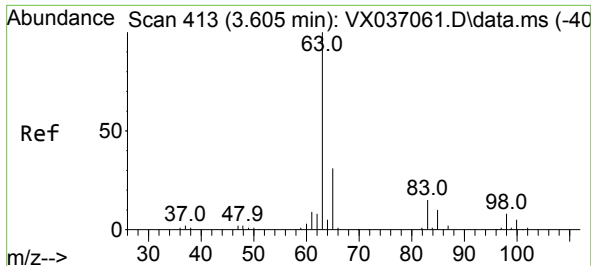
84 100

49 84.4 103.6 155.4#

51 0.0 33.8 50.6#

86 64.9 49.4 74.0

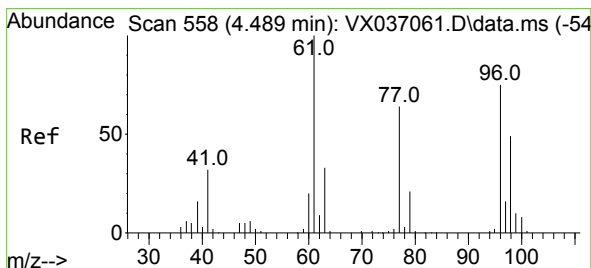
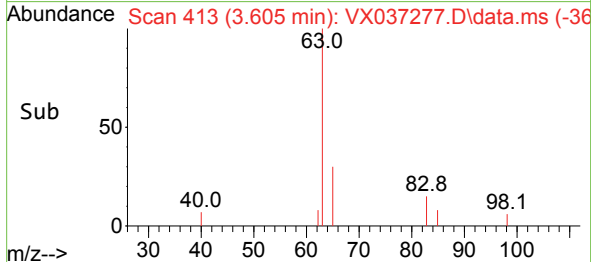
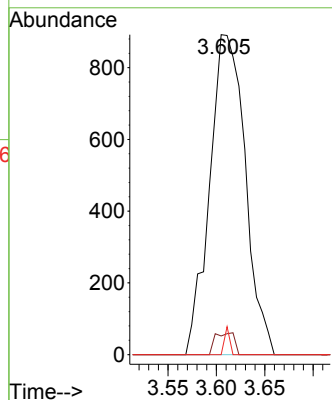
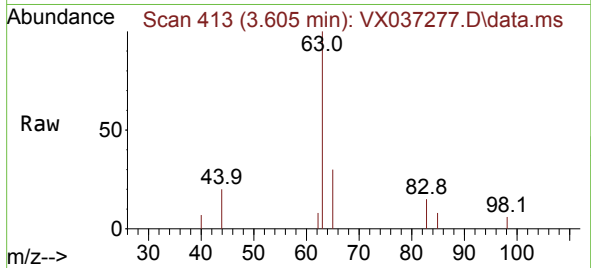




#24
1,1-Dichloroethane
Concen: 0.822 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

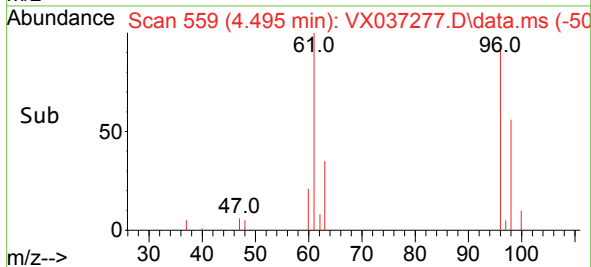
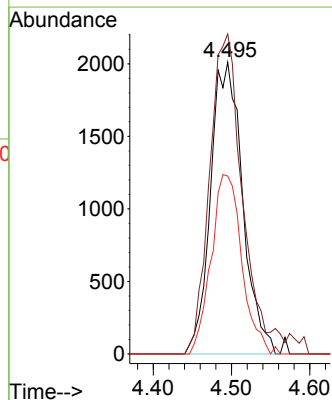
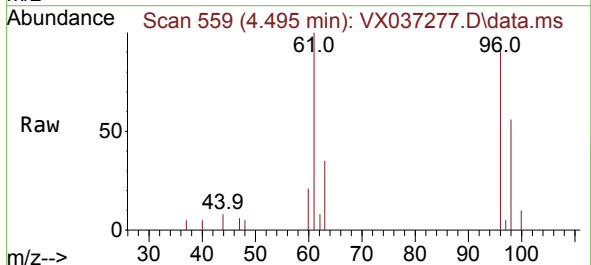
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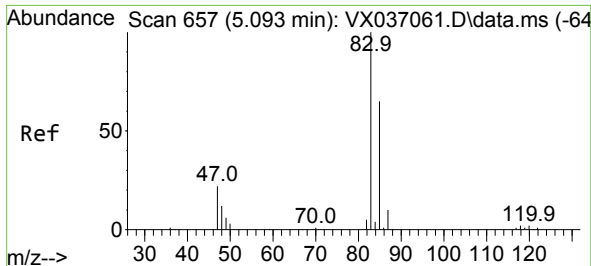
Tgt Ion: 63	Resp:	2285
Ion Ratio	Lower	Upper
63	100	
98	5.8	3.3 9.8
100	0.0	2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 3.049 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion: 96	Resp:	5706
Ion Ratio	Lower	Upper
96	100	
61	113.2	0.0 312.2
98	59.1	0.0 129.0

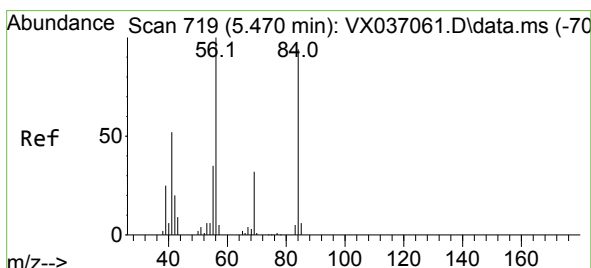
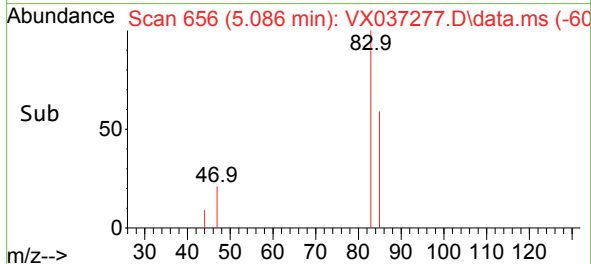
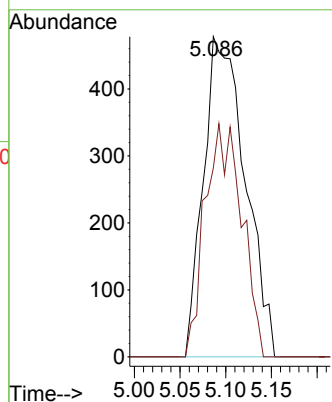
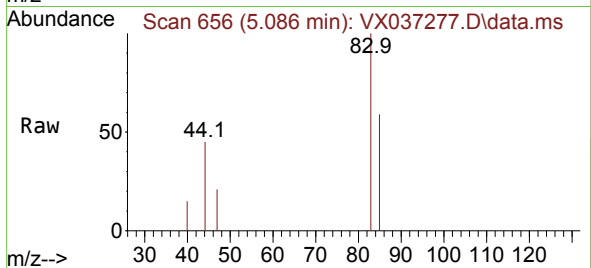




#30
Chloroform
Concen: 0.486 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

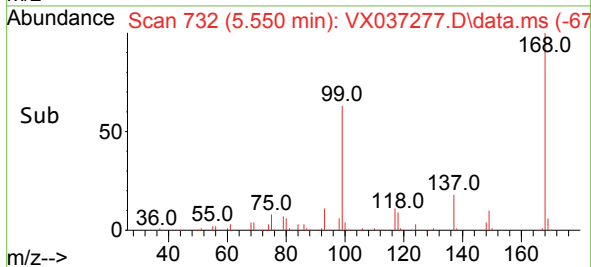
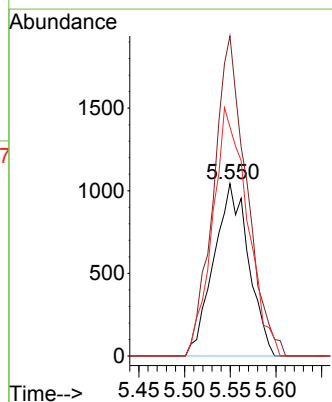
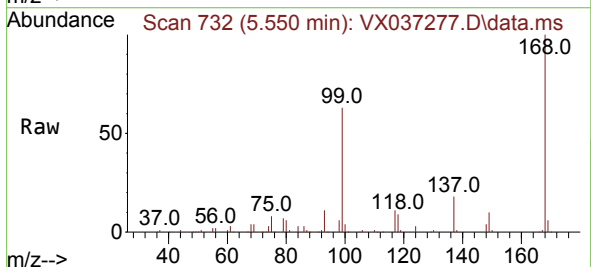
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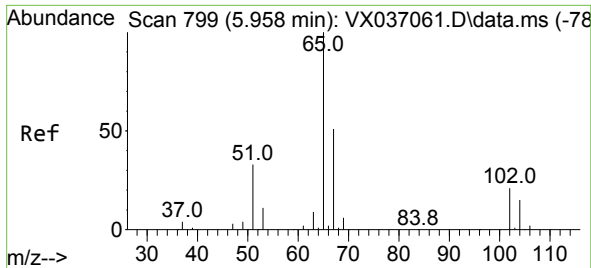
Tgt Ion: 83 Resp: 1516
Ion Ratio Lower Upper
83 100
85 59.0 50.3 75.5



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion: 56 Resp: 2764
Ion Ratio Lower Upper
56 100
69 185.7 23.4 35.2#
84 132.8 65.9 98.9#

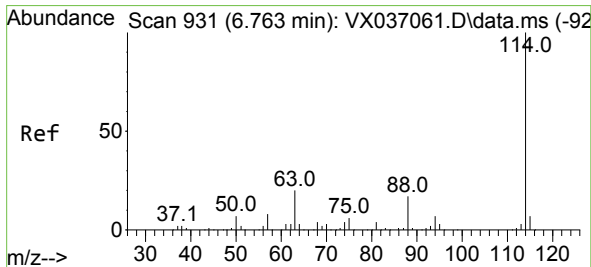
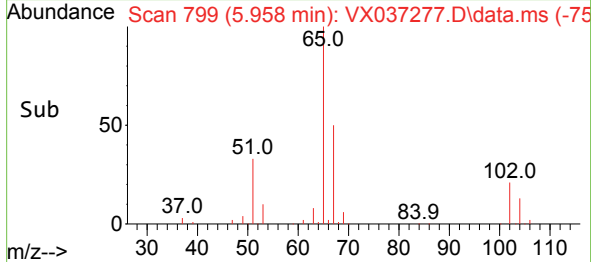
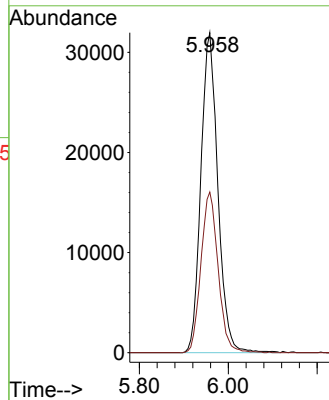
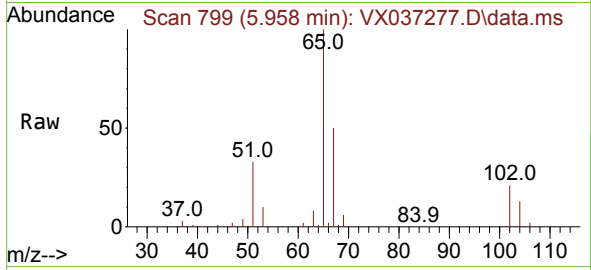




#33
1,2-Dichloroethane-d4
Concen: 43.404 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

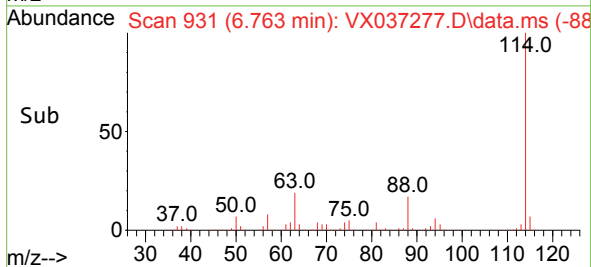
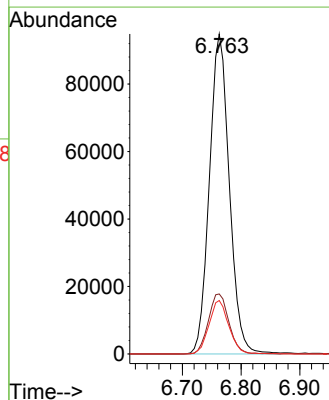
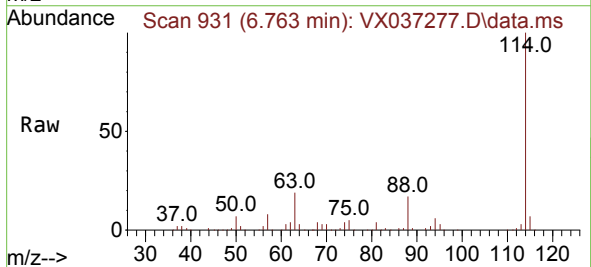
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20230818

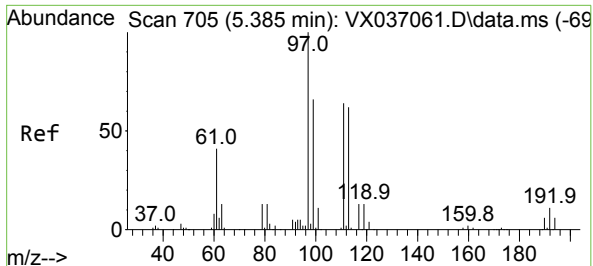
Tgt Ion: 65 Resp: 84881
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion: 114 Resp: 223126
Ion Ratio Lower Upper
114 100
63 18.8 0.0 45.0
88 16.7 0.0 36.6

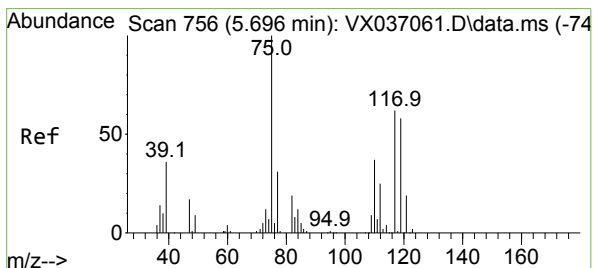
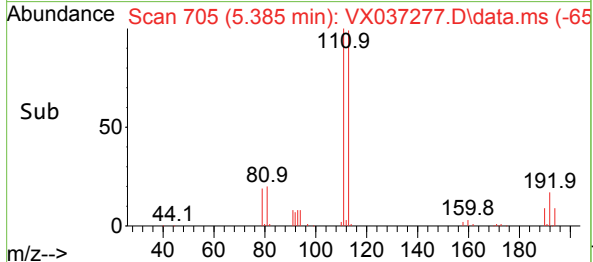
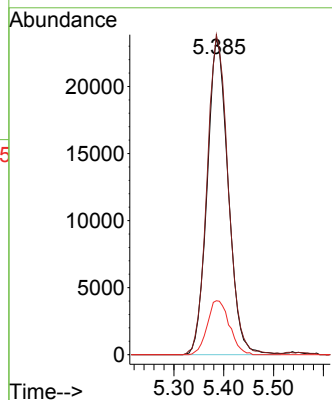
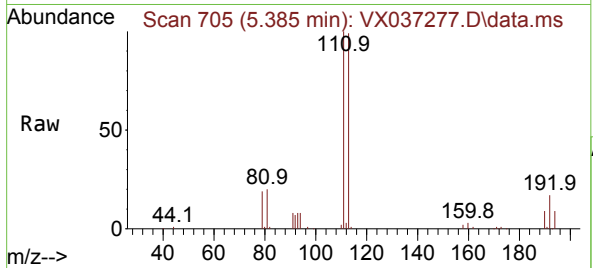




#35
Dibromofluoromethane
Concen: 46.638 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

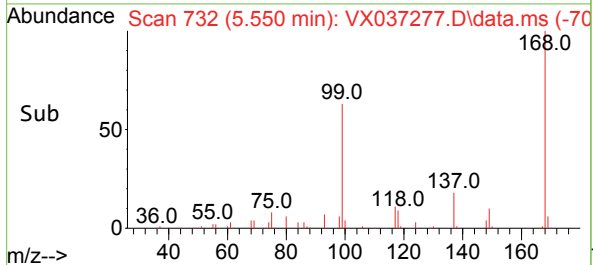
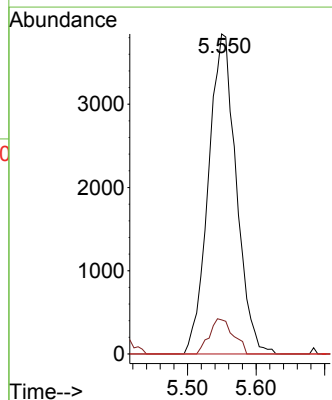
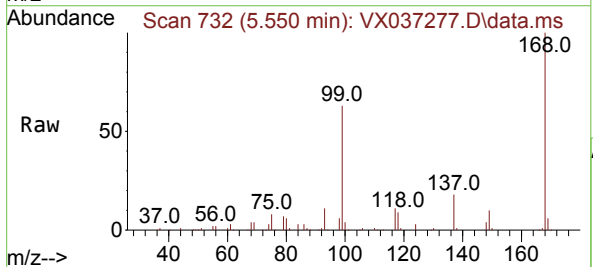
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20230818

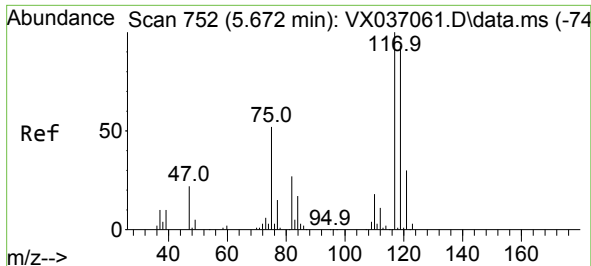
Tgt Ion:113 Resp: 68917
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.163 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

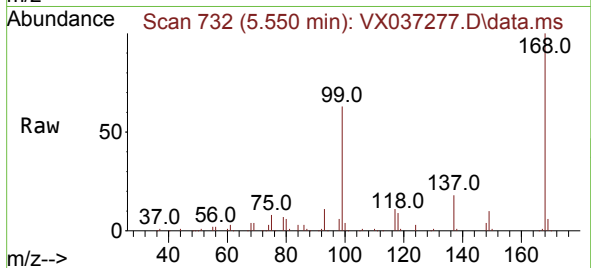
Tgt Ion: 75 Resp: 10839
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



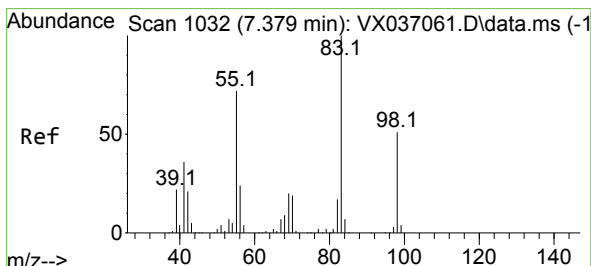
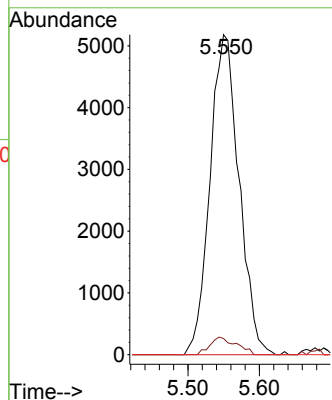
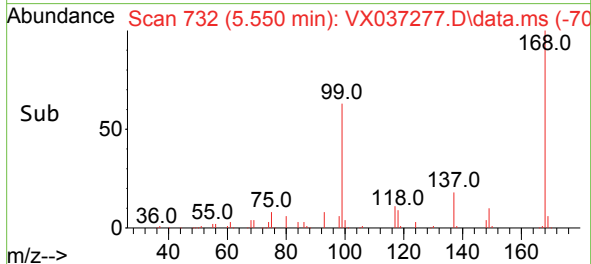


#38
Carbon Tetrachloride
Concen: 6.403 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Instrument :
MSVOA_X
ClientSampleId :
TT101D-20230818

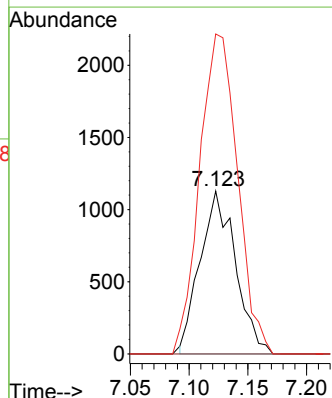
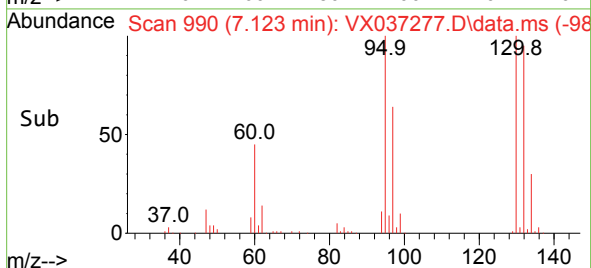
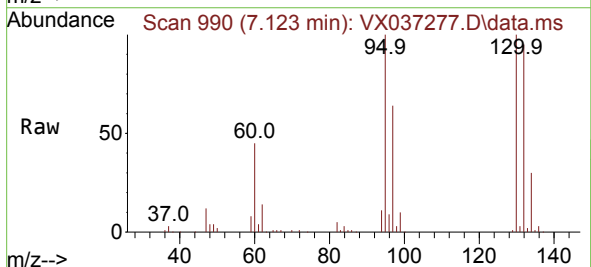


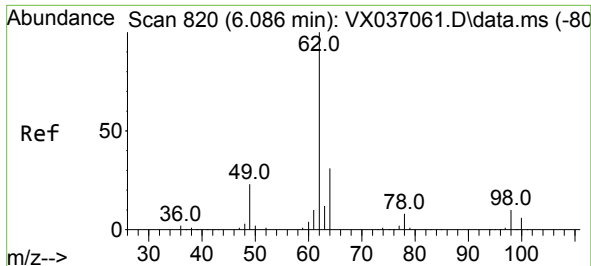
Tgt Ion:117 Resp: 14603
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.073 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion: 83 Resp: 2366
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 196.5 36.7 55.1#





#42

1,2-Dichloroethane

Concen: 0.207 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX037277.D

Acq: 25 Aug 2023 17:34

Instrument :

MSVOA_X

ClientSampleId :

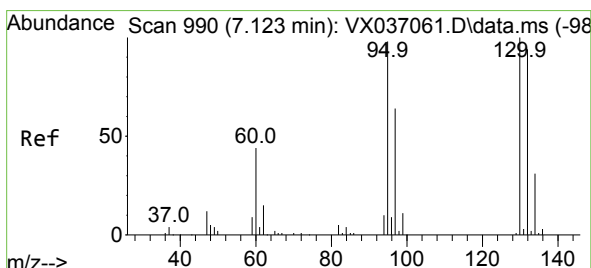
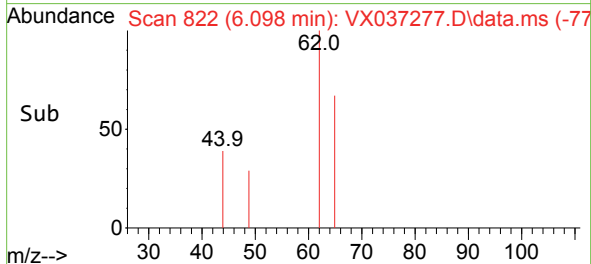
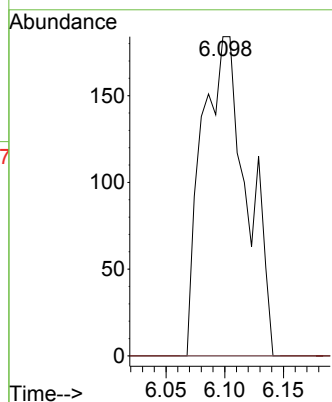
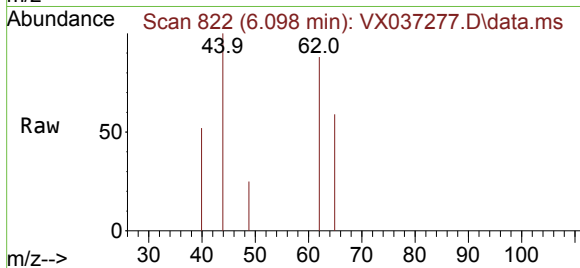
TT101D-20230818

Tgt Ion: 62 Resp: 488

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 114.642 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037277.D

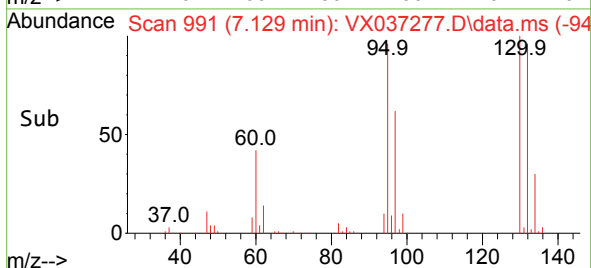
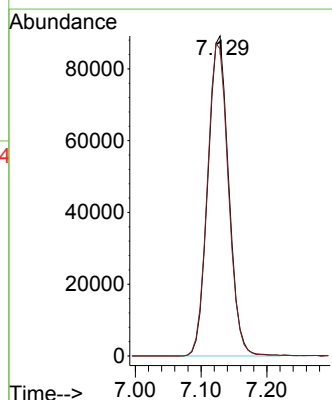
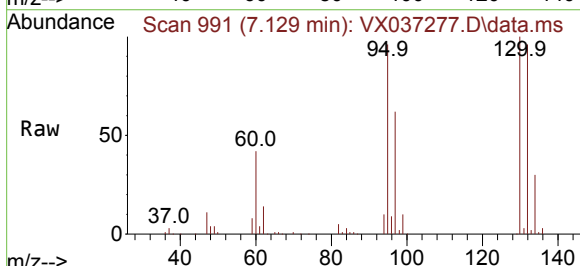
Acq: 25 Aug 2023 17:34

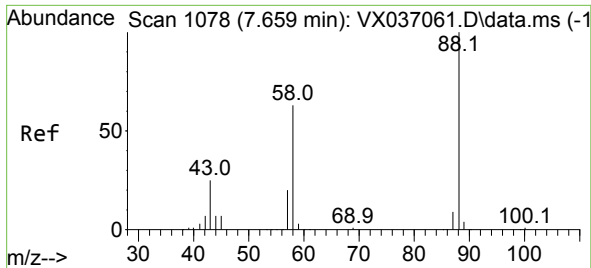
Tgt Ion:130 Resp: 195732

Ion Ratio Lower Upper

130 100

95 96.0 0.0 204.4

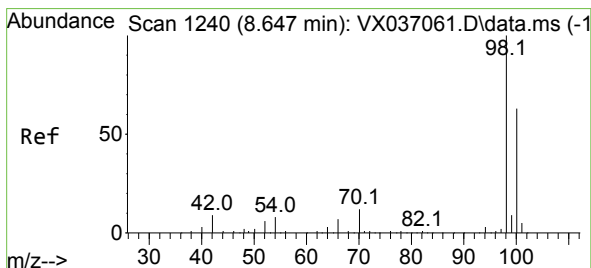
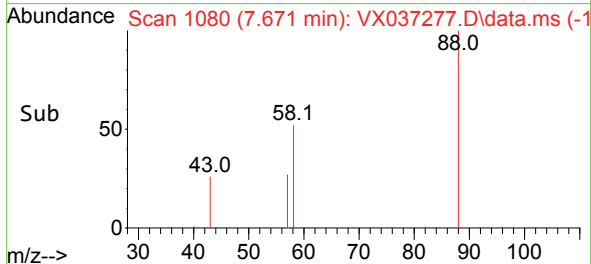
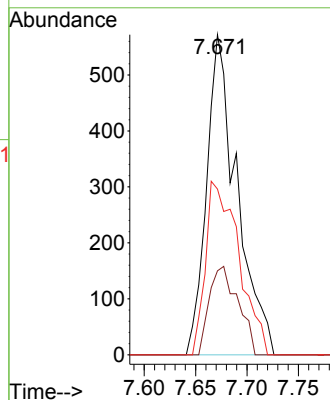
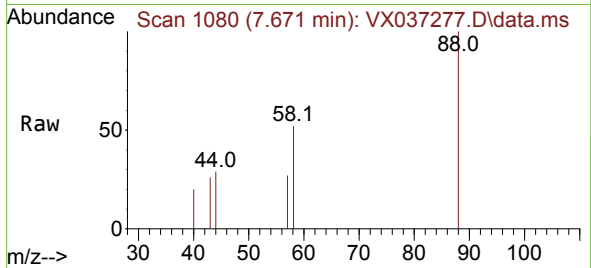




#49
1,4-Dioxane
Concen: 26.253 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

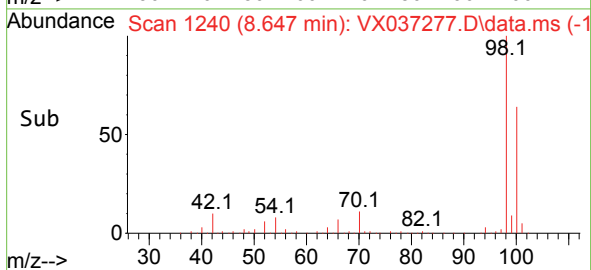
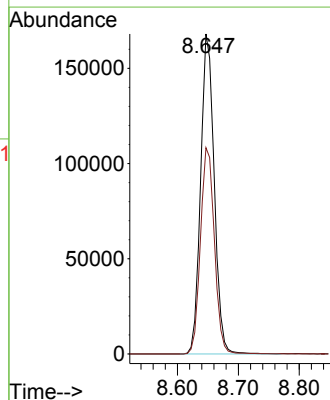
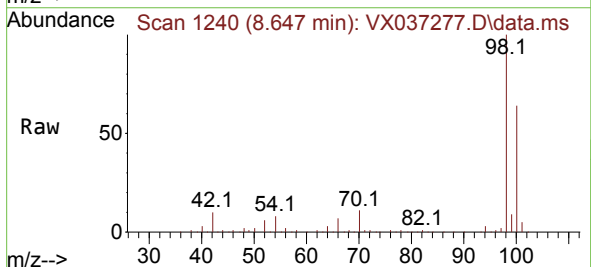
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20230818

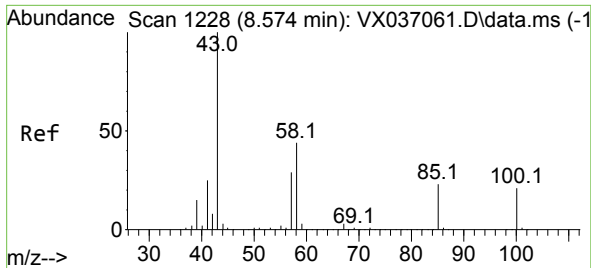
Tgt Ion: 88 Resp: 1174
Ion Ratio Lower Upper
88 100
43 26.1 0.0 0.0#
58 59.5 60.1 90.1#



#50
Toluene-d8
Concen: 48.604 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion: 98 Resp: 260526
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

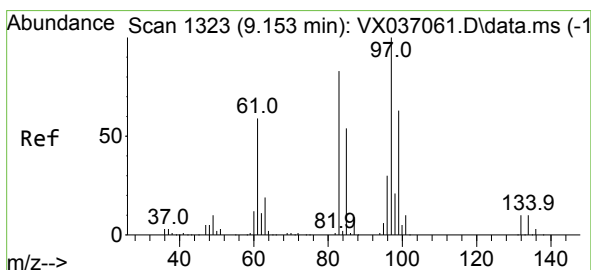
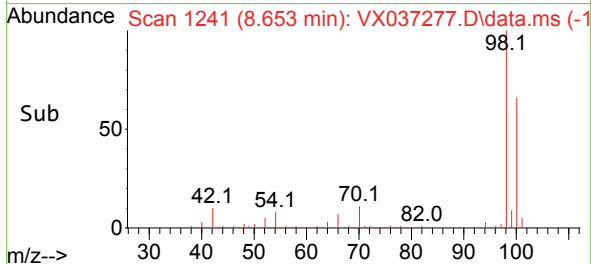
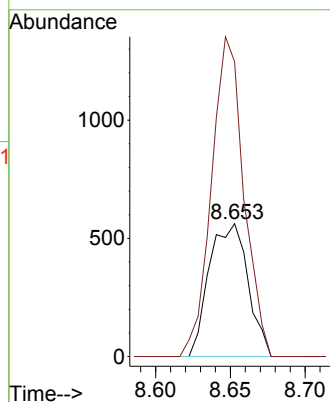
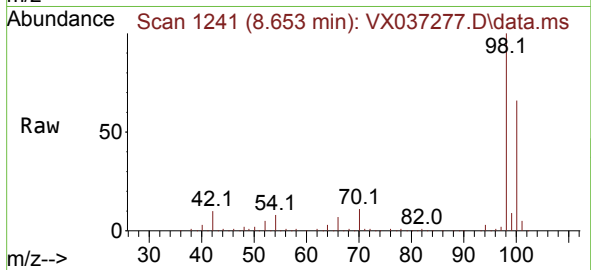




#51
4-Methyl-2-Pentanone
Concen: 0.490 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

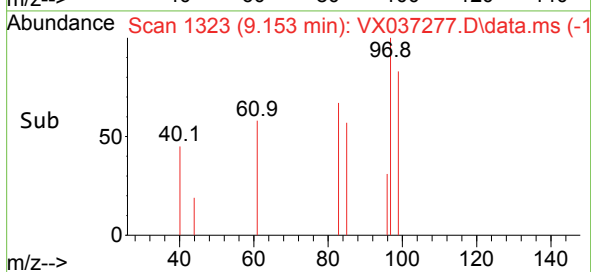
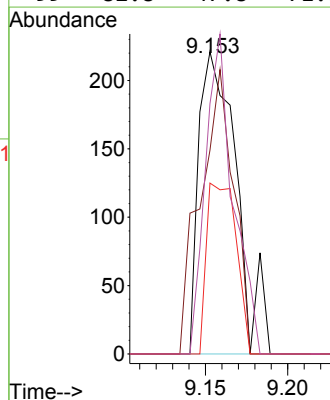
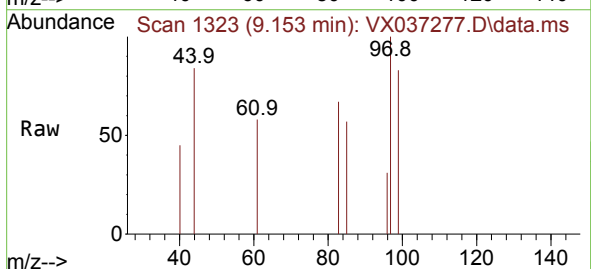
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20230818

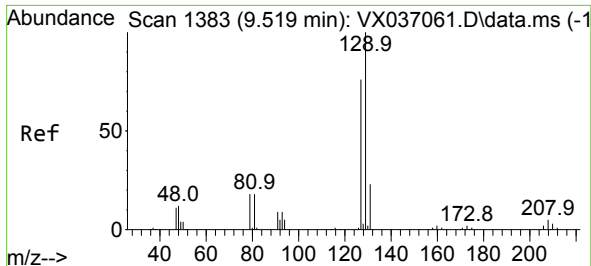
Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
58 200.9 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.216 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion: 97 Resp: 350
Ion Ratio Lower Upper
97 100
83 67.4 65.8 98.8
85 56.6 41.6 62.4
99 82.8 47.8 71.8#

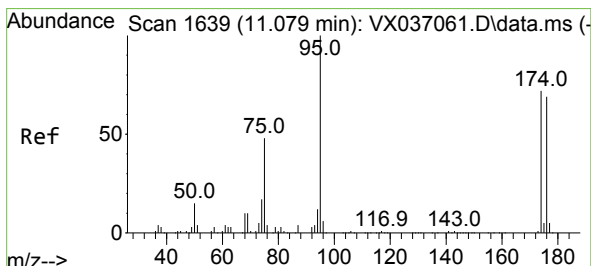
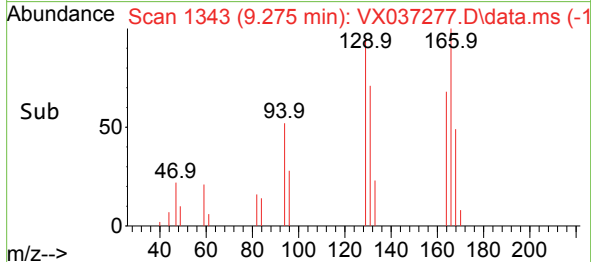
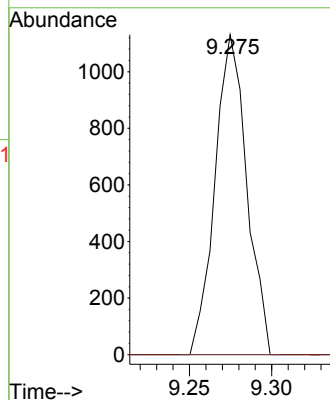
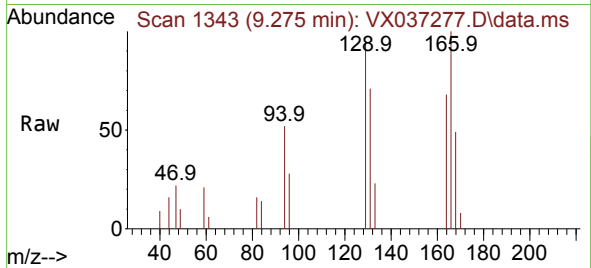




#60
Dibromochloromethane
Concen: 0.883 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

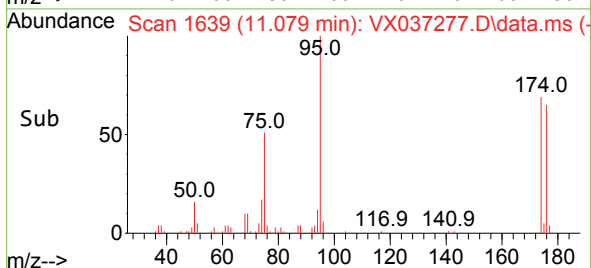
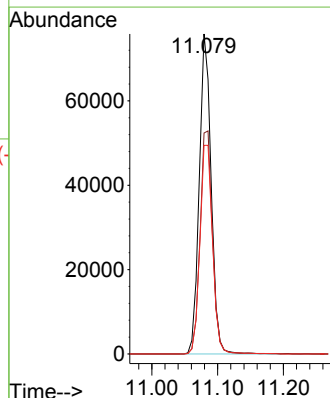
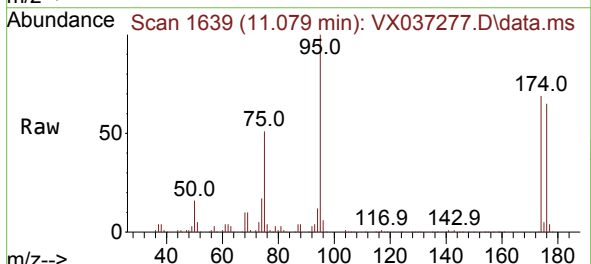
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20230818

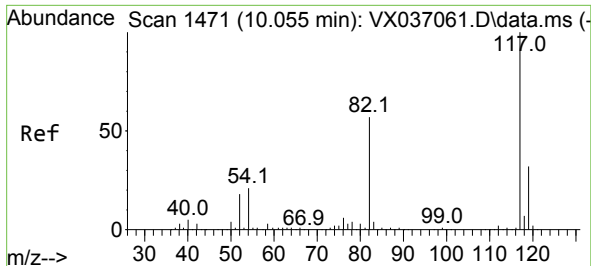
Tgt Ion:129 Resp: 1523
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.285 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion: 95 Resp: 95393
Ion Ratio Lower Upper
95 100
174 72.7 0.0 135.6
176 69.4 0.0 131.0

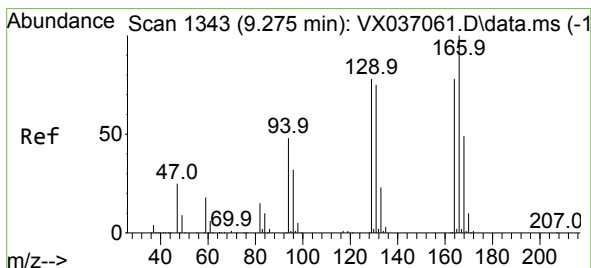
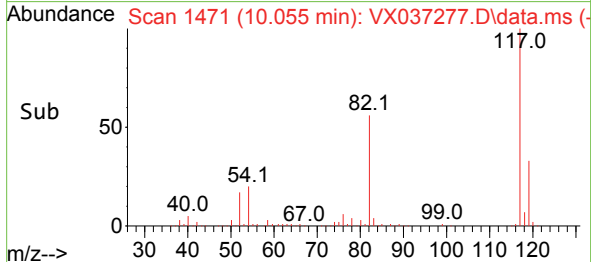
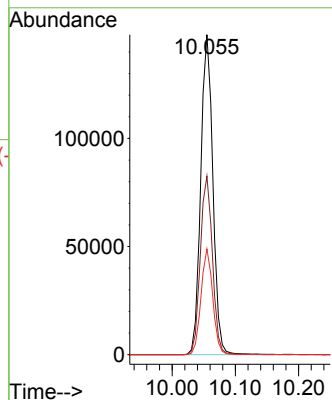
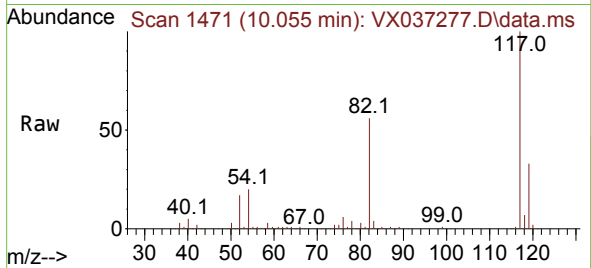




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

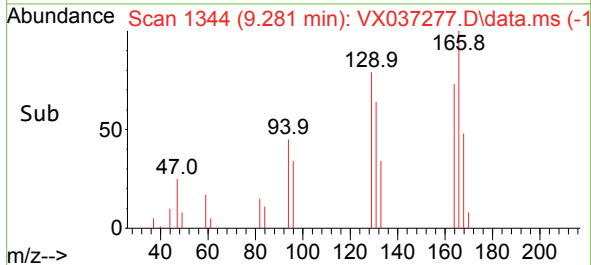
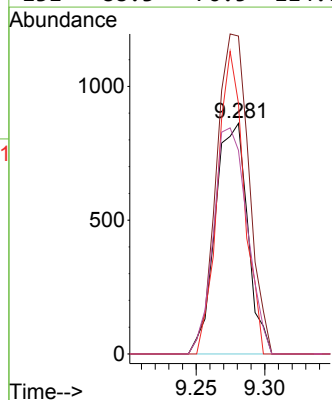
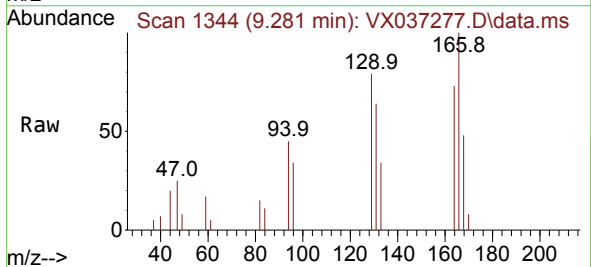
Instrument :
MSVOA_X
ClientSampleId :
TT101D-20230818

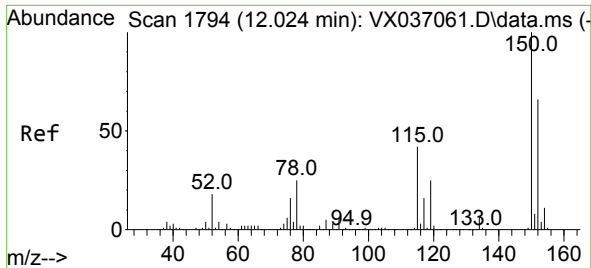
Tgt Ion:117 Resp: 197969
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 33.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.978 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX037277.D
Acq: 25 Aug 2023 17:34

Tgt Ion:164 Resp: 1413
Ion Ratio Lower Upper
164 100
166 137.8 102.7 154.1
129 108.7 80.4 120.6
131 88.3 76.5 114.7

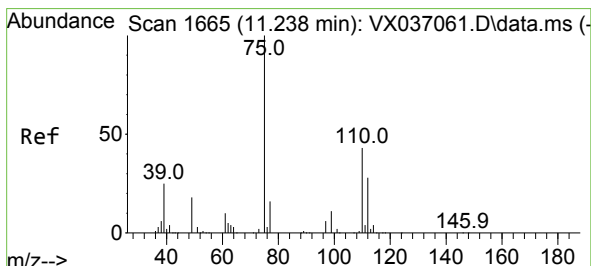
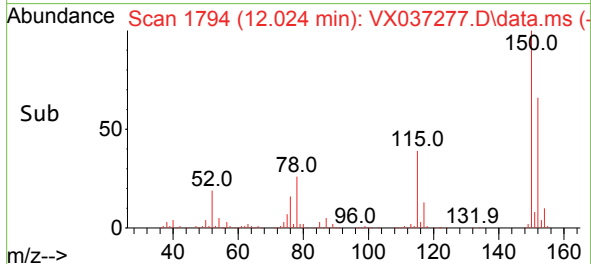
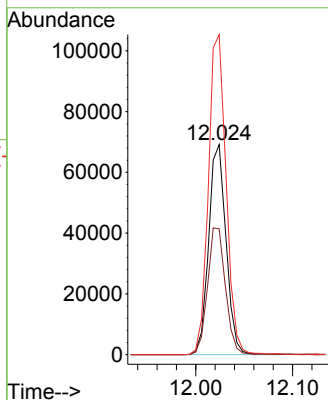
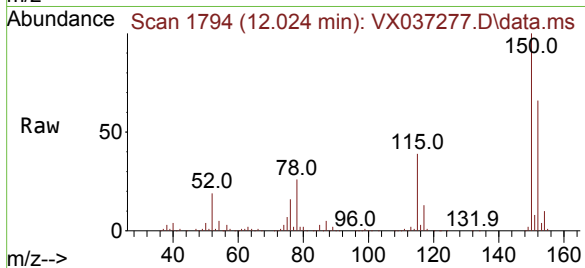




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037277.D
 Acq: 25 Aug 2023 17:34

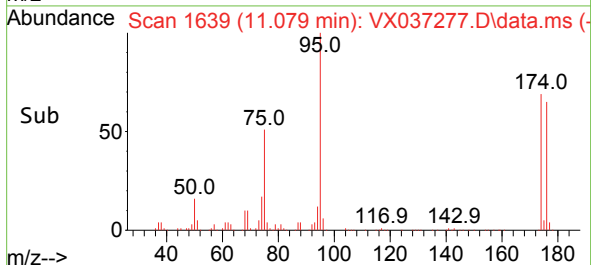
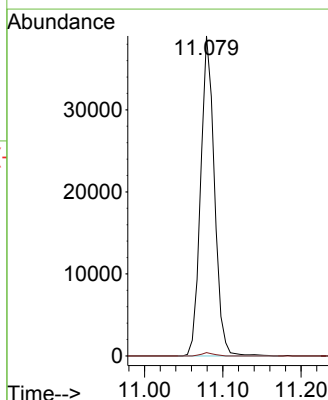
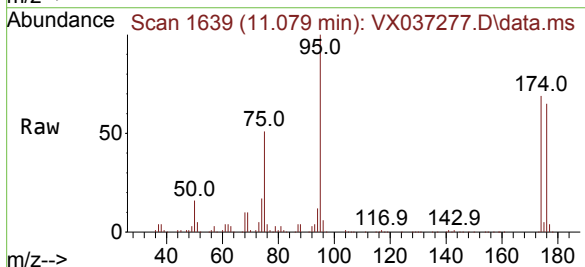
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20230818

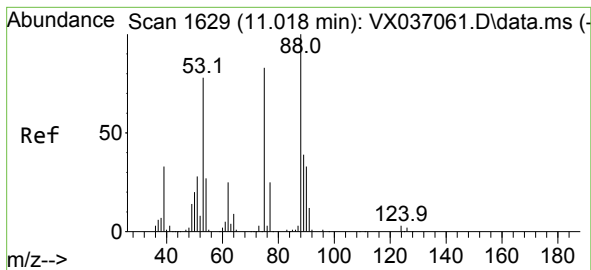
Tgt Ion:152 Resp: 86743
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.3 129.9
 150 154.9 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.847 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037277.D
 Acq: 25 Aug 2023 17:34

Tgt Ion: 75 Resp: 47749
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.193 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX037277.D
 Acq: 25 Aug 2023 17:34

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20230818

Tgt Ion: 75 Resp: 47749
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

