

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037183.D
 Acq On : 23 Aug 2023 15:05
 Operator : JC/MD
 Sample : 04025-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT158S1-20230815RE

Quant Time: Aug 24 05:33:01 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)

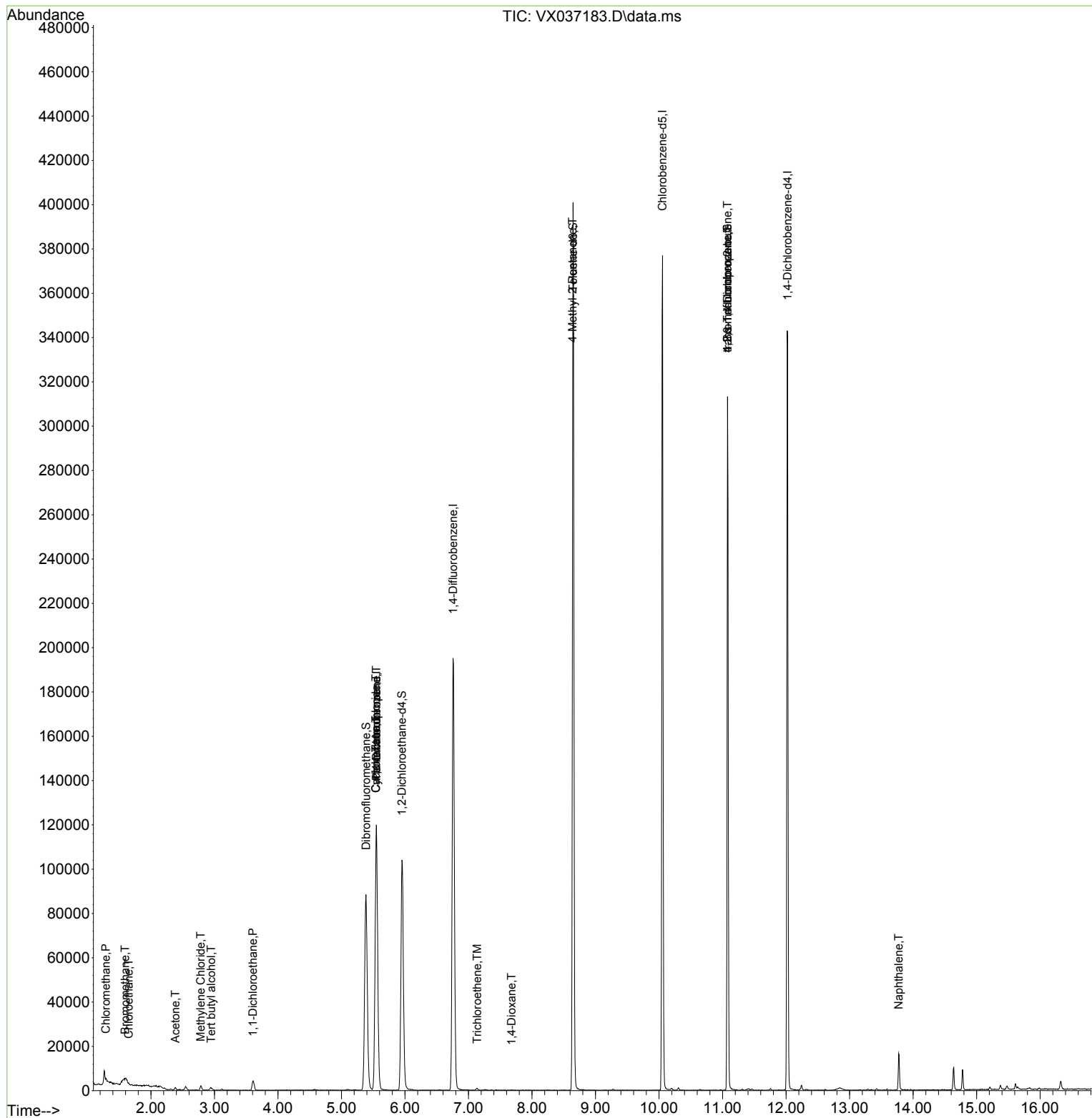
Internal Standards						
1) Pentafluorobenzene	5.550	168	108812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208047	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	105241	67.087	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 134.180%#	
35) Dibromofluoromethane	5.385	113	78324	56.845	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.700%	
50) Toluene-d8	8.647	98	238688	47.757	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.520%	
62) 4-Bromofluorobenzene	11.079	95	85861	43.714	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	932	0.843	ug/l	93
5) Bromomethane	1.593	94	123	0.205	ug/l	97
6) Chloroethane	1.648	64	808	1.141	ug/l #	43
11) Tert butyl alcohol	2.947	59	973	2.644	ug/l #	78
16) Acetone	2.386	43	1108	1.805	ug/l	99
20) Methylene Chloride	2.782	84	1026	0.748	ug/l #	74
24) 1,1-Dichloroethane	3.605	63	5090	2.281	ug/l	98
31) Cyclohexane	5.544	56	2367	1.342	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8819	4.505	ug/l #	51
38) Carbon Tetrachloride	5.544	117	11840	5.568	ug/l #	15
44) Trichloroethene	7.135	130	337	0.212	ug/l	78
49) 1,4-Dioxane	7.677	88	142	3.406	ug/l #	35
51) 4-Methyl-2-Pentanone	8.641	43	888	0.461	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	43794	27.811	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	43794	77.676	ug/l #	5
95) Naphthalene	13.774	128	11800	1.913	ug/l	99

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

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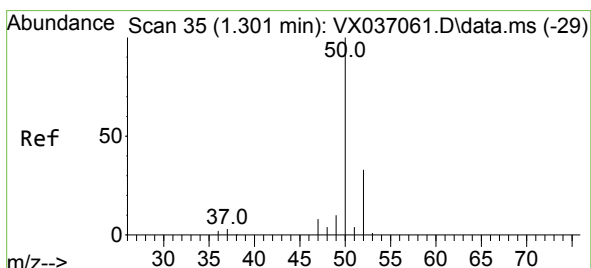
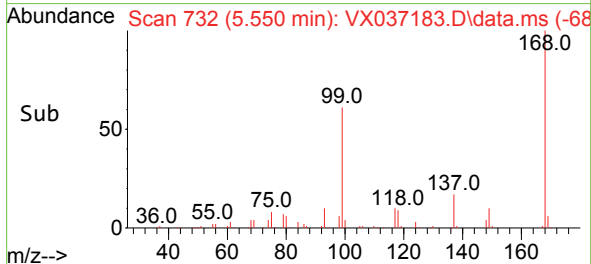
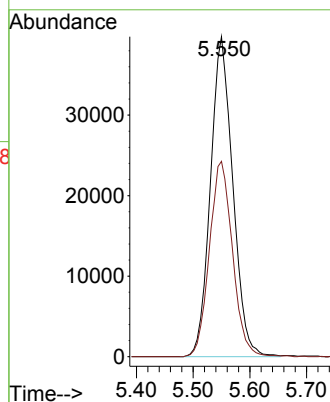
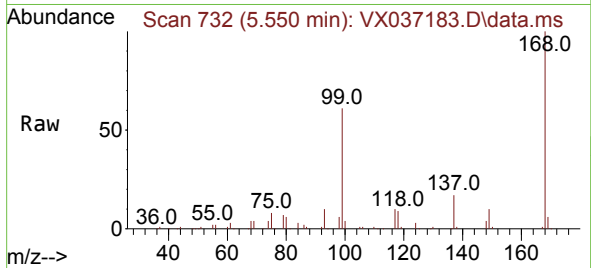




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

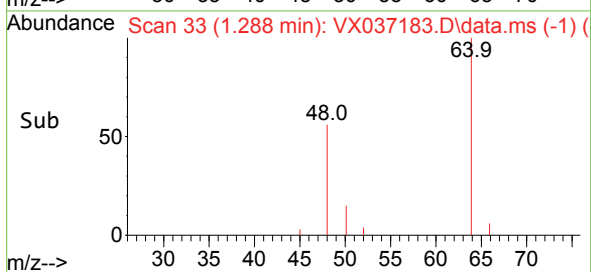
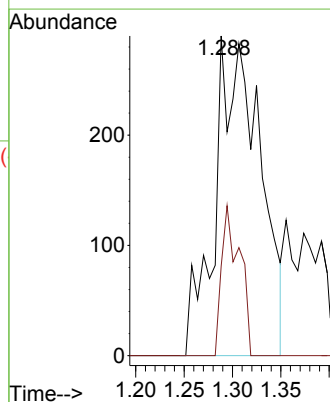
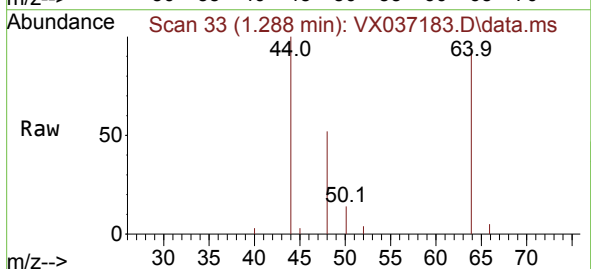
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815RE

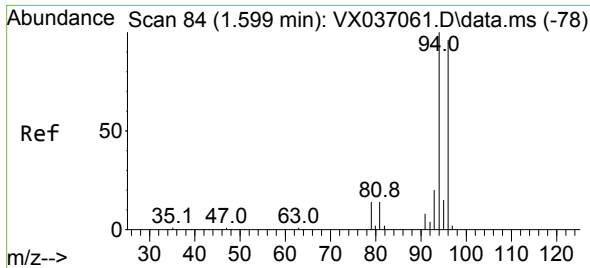
Tgt Ion:168 Resp: 108812
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#3
Chloromethane
Concen: 0.843 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

Tgt Ion: 50 Resp: 932
Ion Ratio Lower Upper
50 100
52 27.9 25.5 38.3

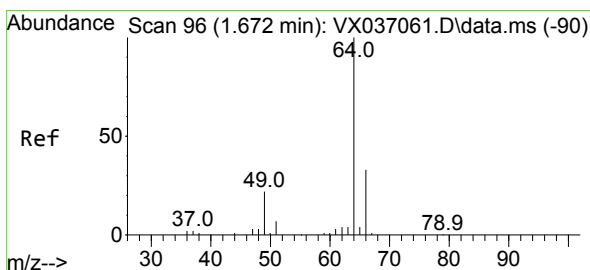
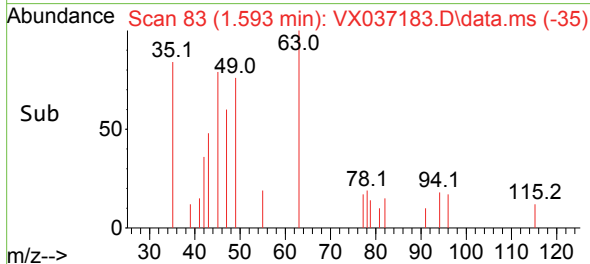
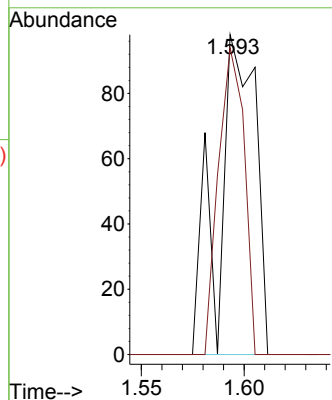
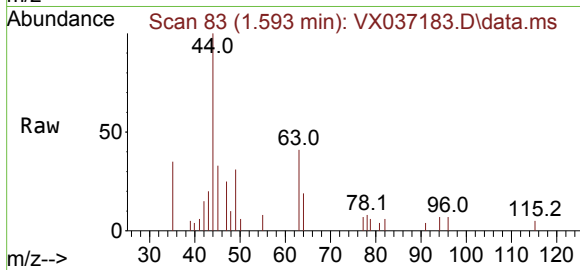




#5
Bromomethane
Concen: 0.205 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

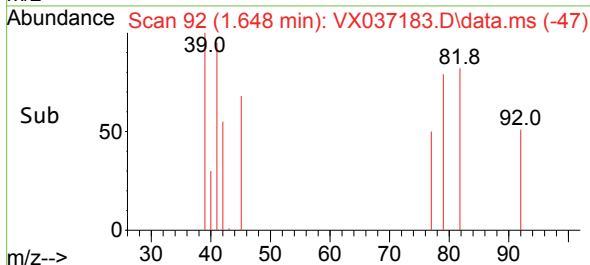
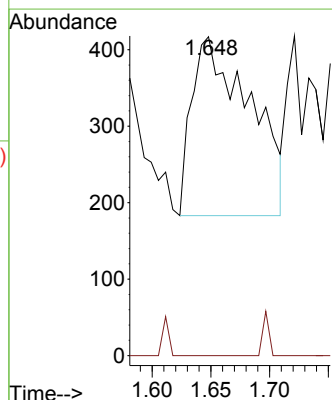
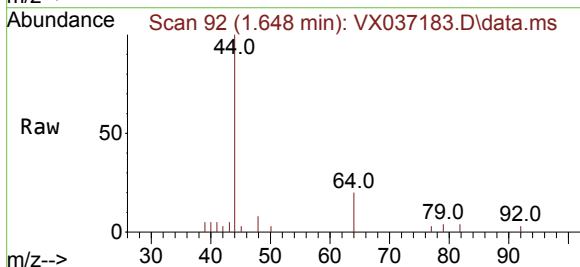
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815RE

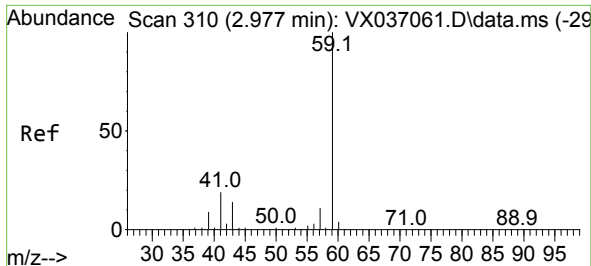
Tgt Ion: 94 Resp: 123
Ion Ratio Lower Upper
94 100
96 95.9 74.6 111.8



#6
Chloroethane
Concen: 1.141 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.024 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

Tgt Ion: 64 Resp: 808
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.644 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.030 min

Lab File: VX037183.D

Acq: 23 Aug 2023 15:05

Instrument :

MSVOA_X

ClientSampleId :

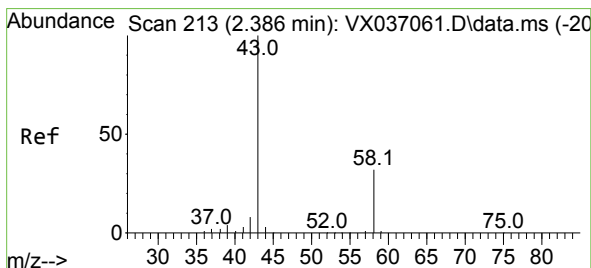
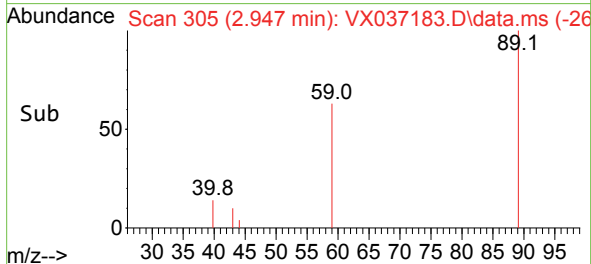
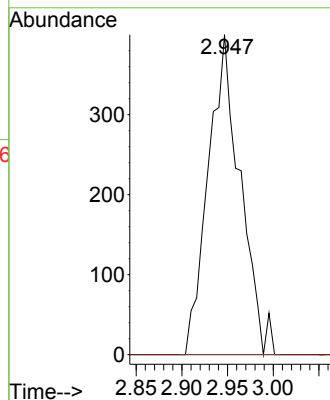
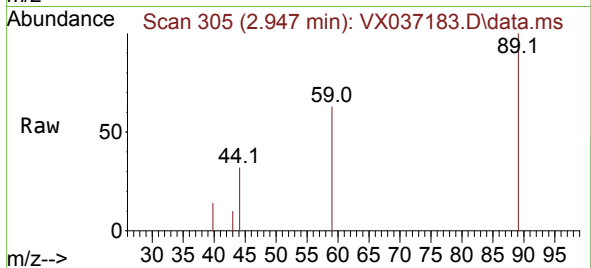
TT158S1-20230815RE

Tgt Ion: 59 Resp: 973

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 1.805 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX037183.D

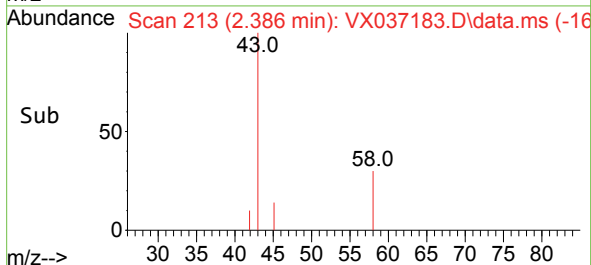
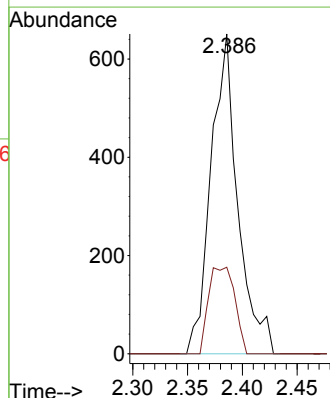
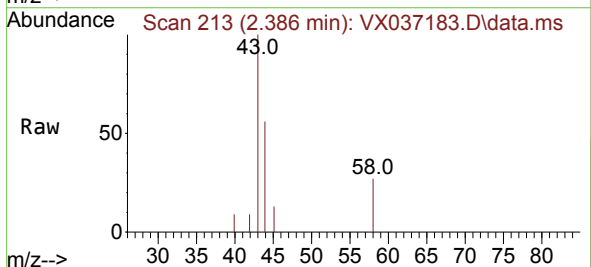
Acq: 23 Aug 2023 15:05

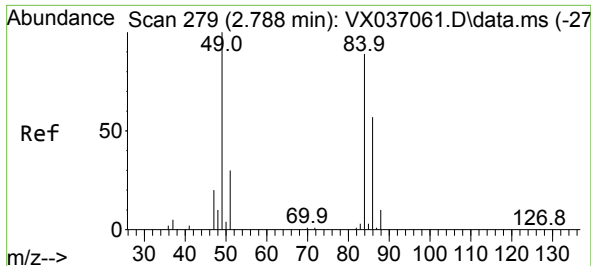
Tgt Ion: 43 Resp: 1108

Ion Ratio Lower Upper

43 100

58 27.0 21.9 32.9

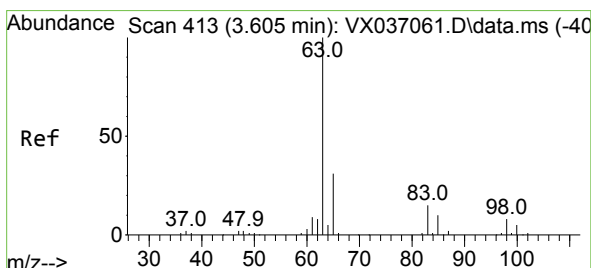
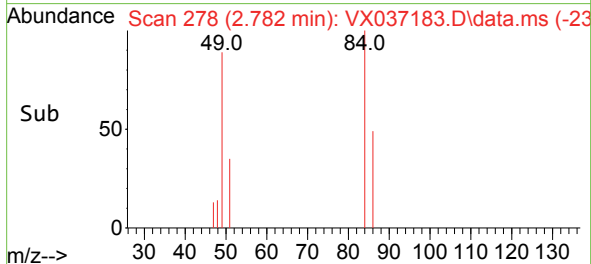
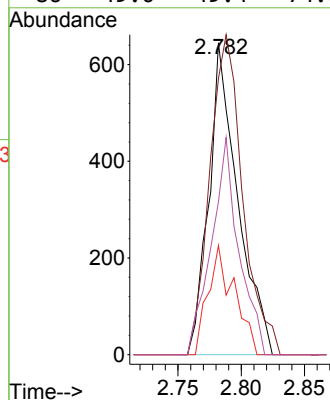
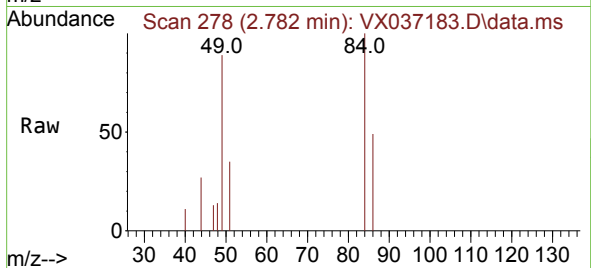




#20
Methylene Chloride
Concen: 0.748 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

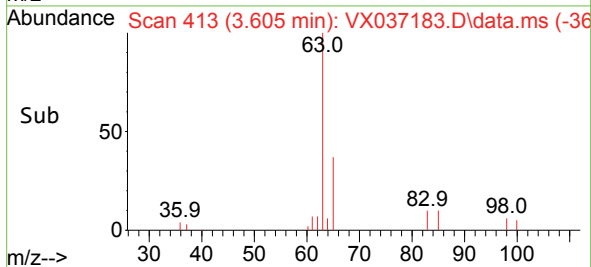
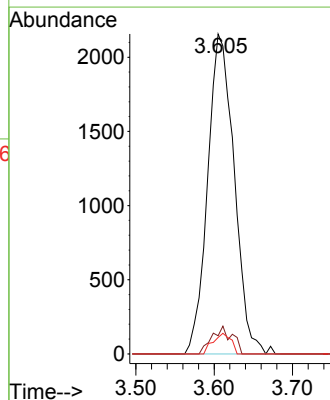
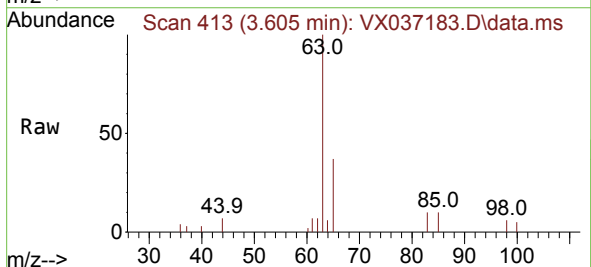
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815RE

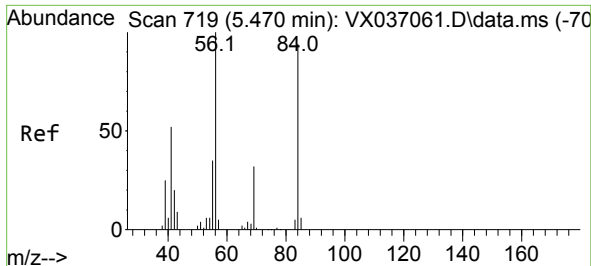
Tgt Ion:	84	Resp:	1026
Ion	Ratio	Lower	Upper
84	100		
49	88.5	103.6	155.4#
51	35.0	33.8	50.6
86	49.0	49.4	74.0#



#24
1,1-Dichloroethane
Concen: 2.281 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

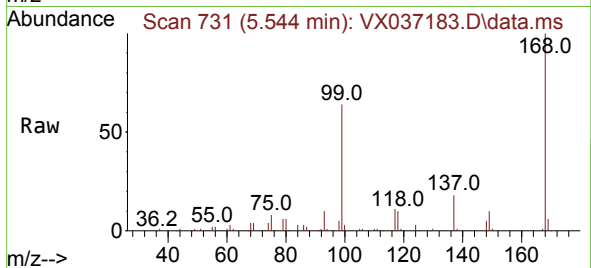
Tgt Ion:	63	Resp:	5090
Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.3	9.8
100	5.1	2.1	6.5



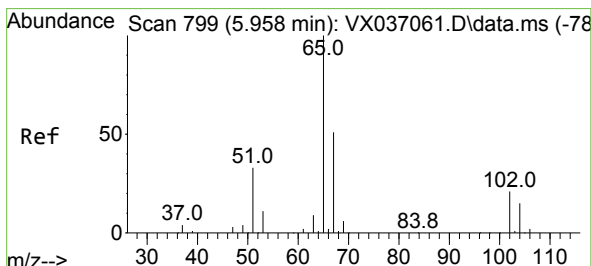
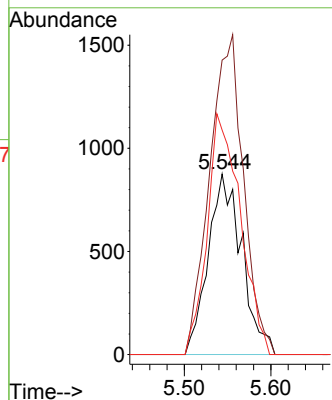
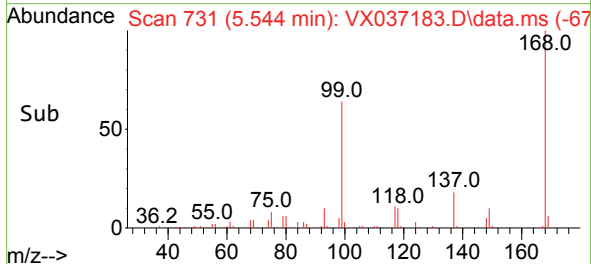


#31
Cyclohexane
Concen: 1.342 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

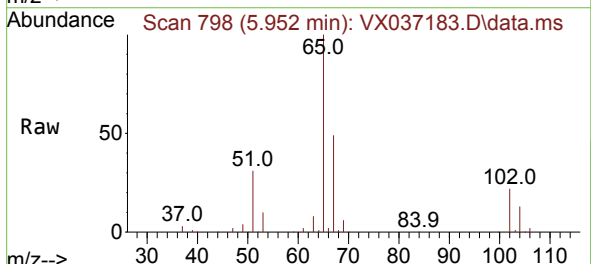
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815RE



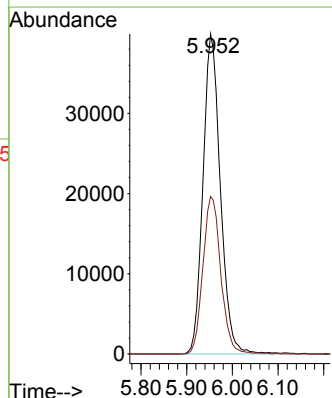
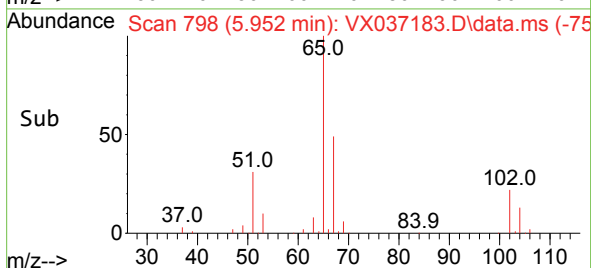
Tgt Ion: 56 Resp: 2367
Ion Ratio Lower Upper
56 100
69 163.2 23.4 35.2#
84 124.5 65.9 98.9#

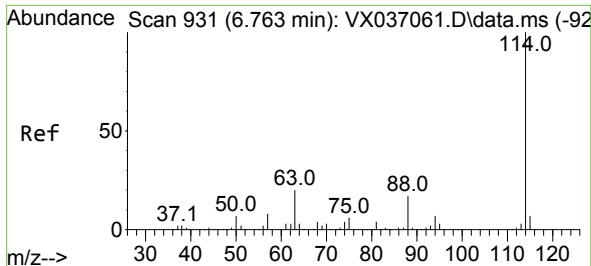


#33
1,2-Dichloroethane-d4
Concen: 67.087 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05



Tgt Ion: 65 Resp: 105241
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.2

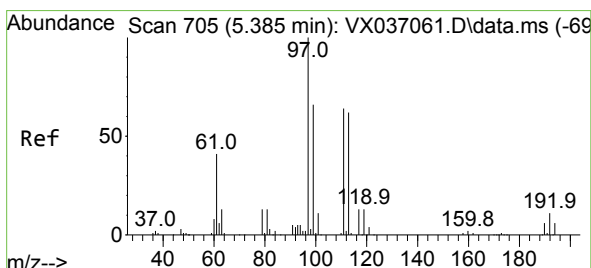
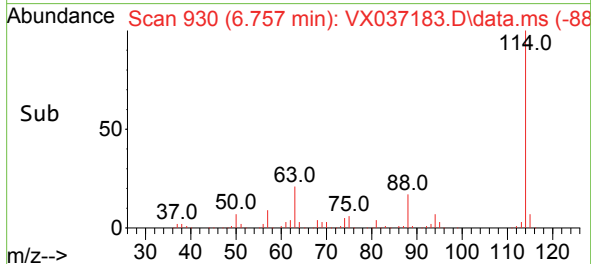
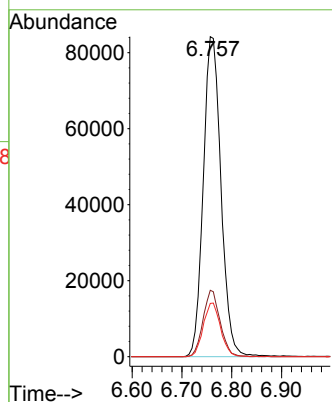
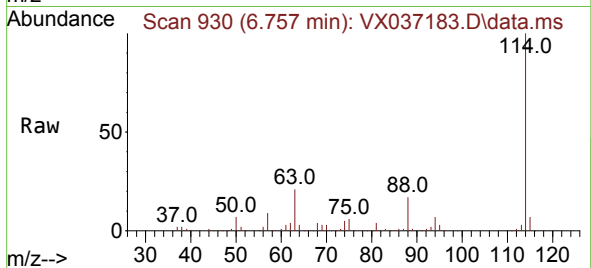




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

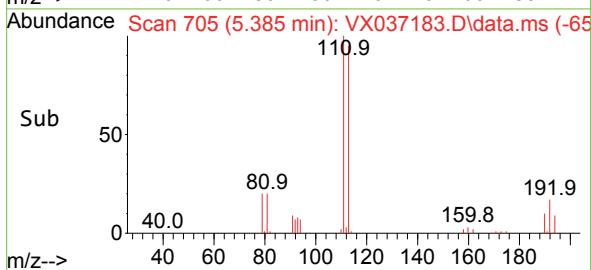
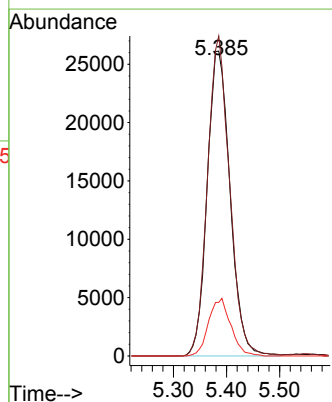
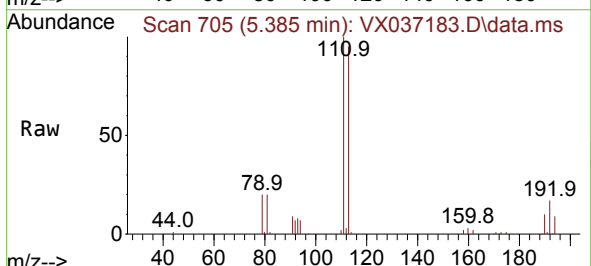
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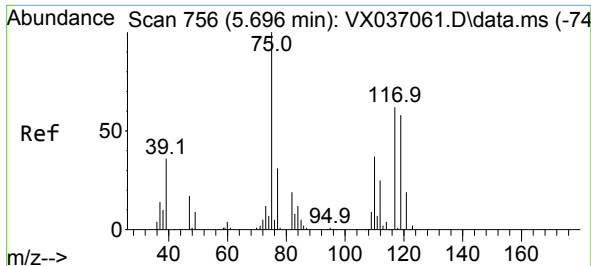
Tgt Ion:114 Resp: 208047
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.0
88 16.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 56.845 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

Tgt Ion:113 Resp: 78324
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 18.3 13.3 19.9

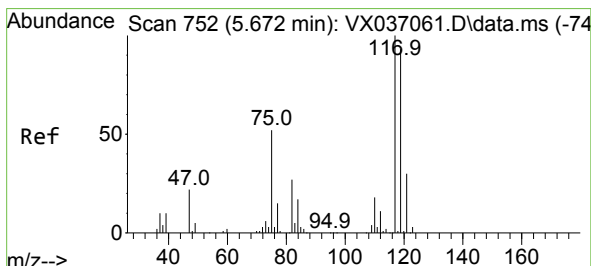
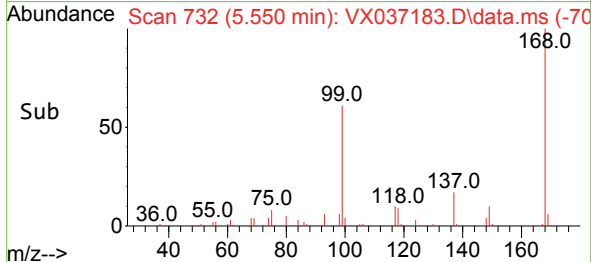
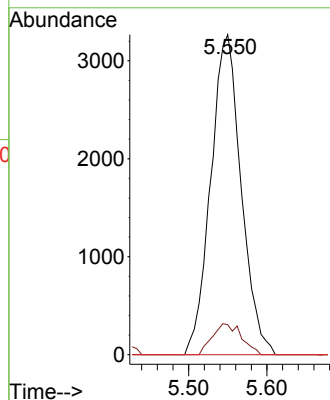
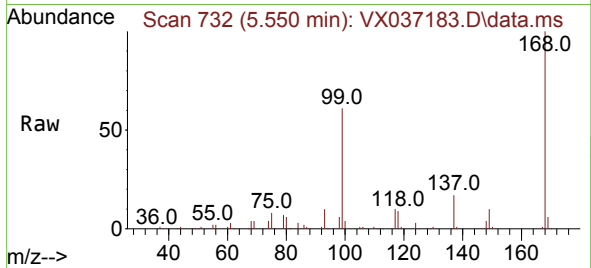




#36
1,1-Dichloropropene
Concen: 4.505 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

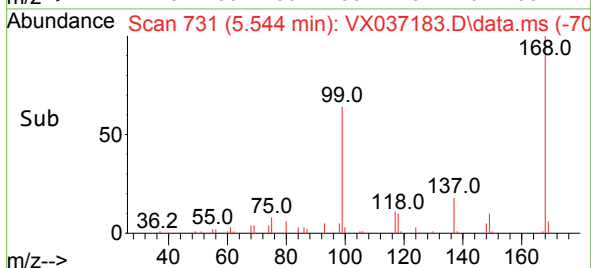
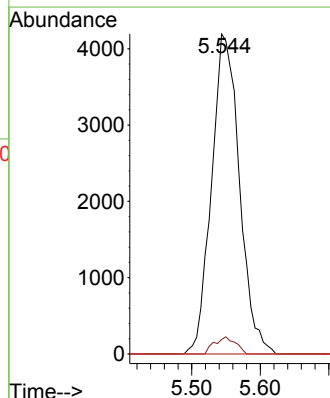
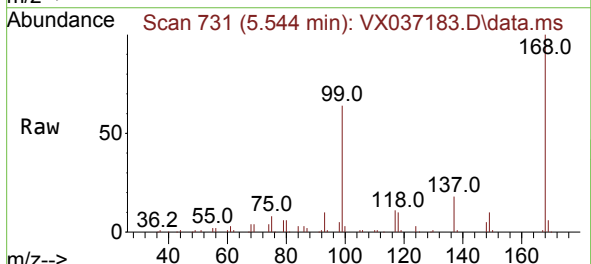
Instrument :
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ClientSampleId :
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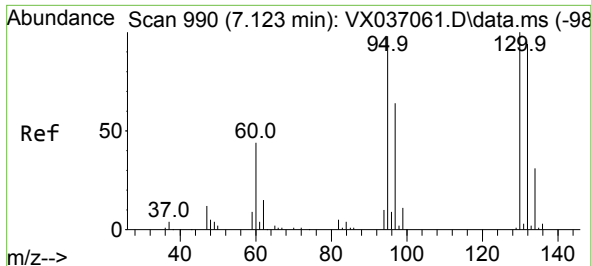
Tgt Ion: 75 Resp: 8819
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.568 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

Tgt Ion: 117 Resp: 11840
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#

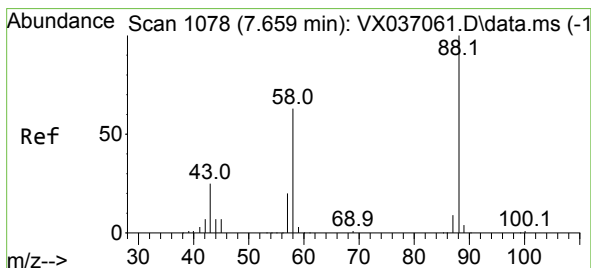
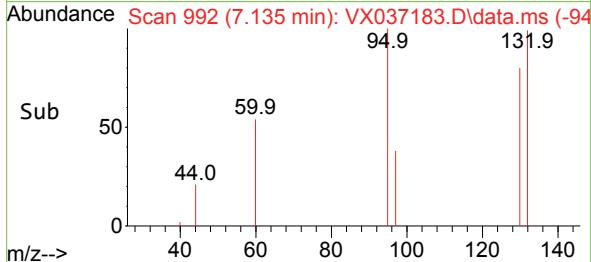
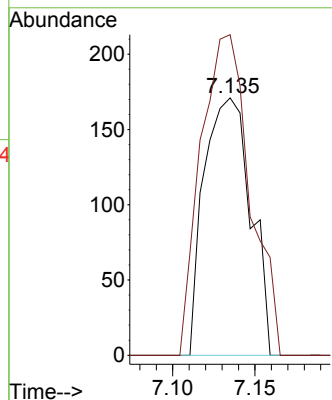
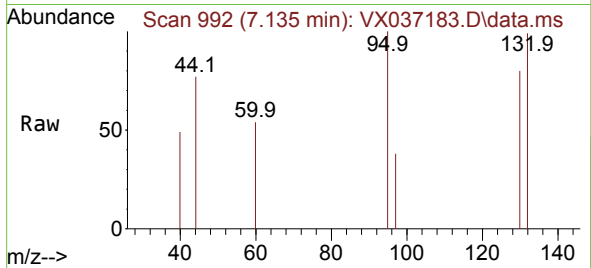




#44
Trichloroethene
Concen: 0.212 ug/l
RT: 7.135 min Scan# 94
Delta R.T. 0.012 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

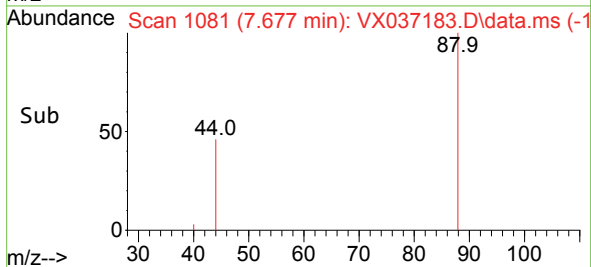
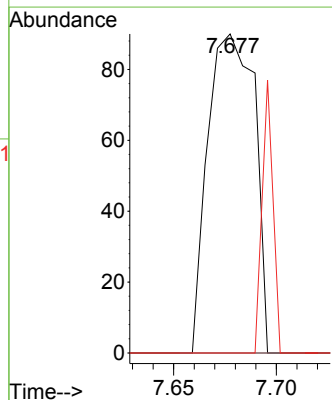
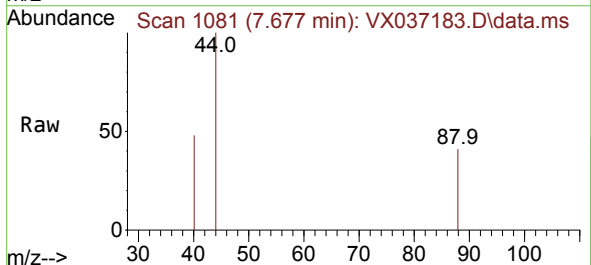
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815RE

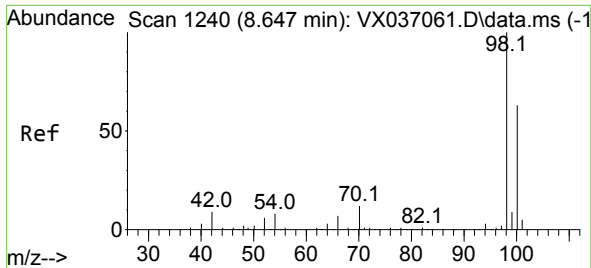
Tgt Ion:130 Resp: 337
Ion Ratio Lower Upper
130 100
95 124.6 0.0 204.4



#49
1,4-Dioxane
Concen: 3.406 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 19.7 60.1 90.1#

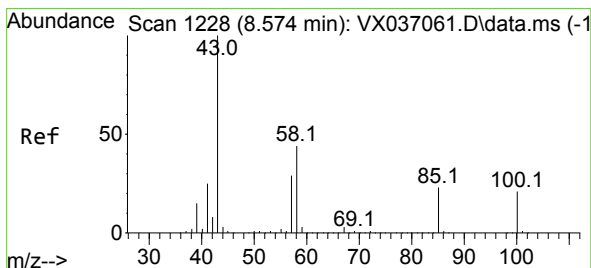
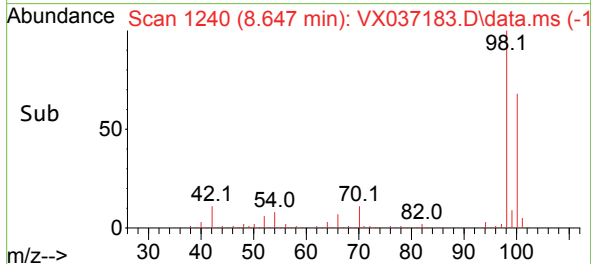
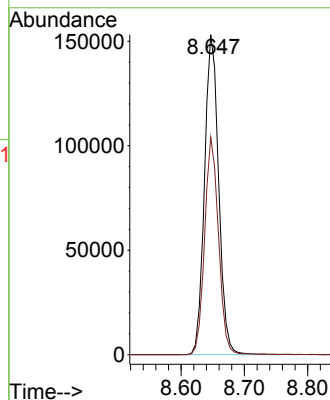
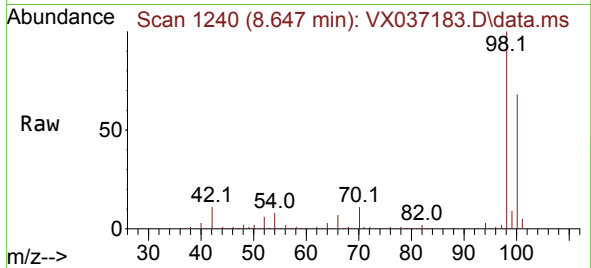




#50
Toluene-d8
Concen: 47.757 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

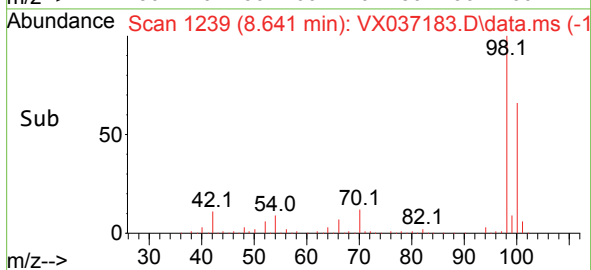
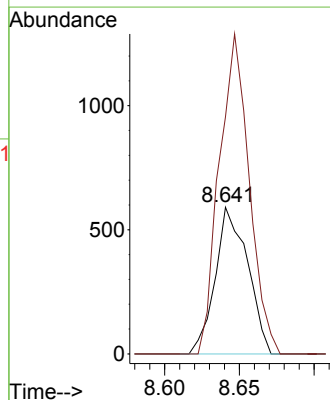
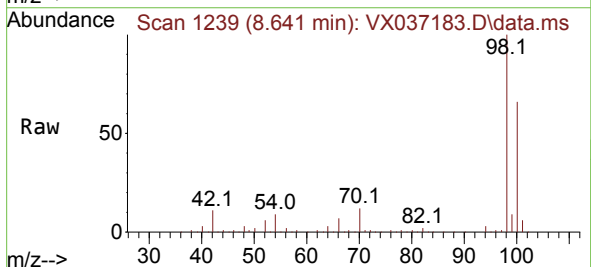
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815RE

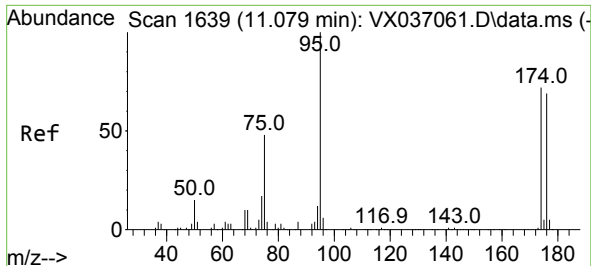
Tgt Ion: 98 Resp: 238688
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.461 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

Tgt Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
58 202.4 30.4 45.6#

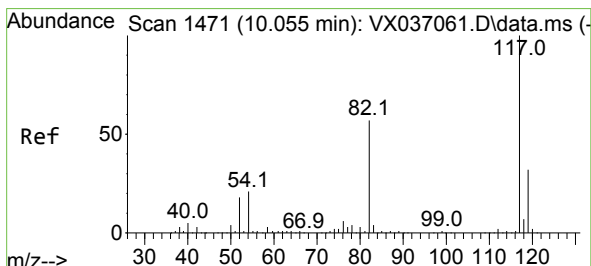
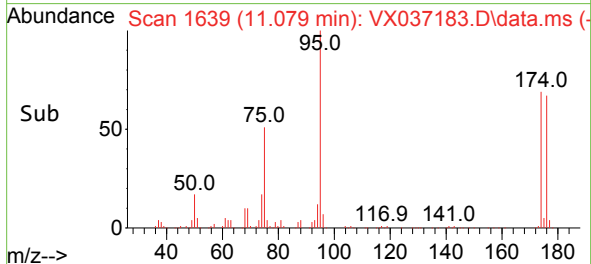
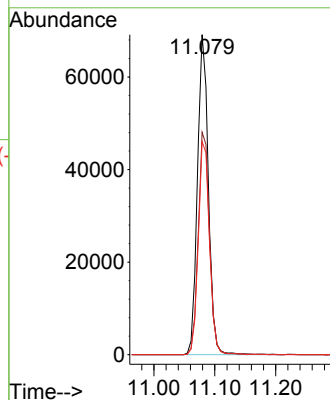
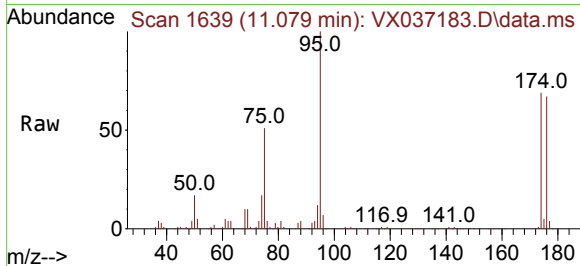




#62
4-Bromofluorobenzene
Concen: 43.714 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

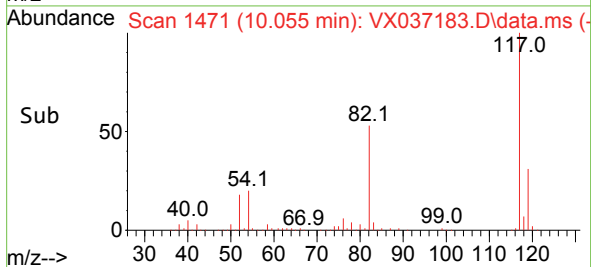
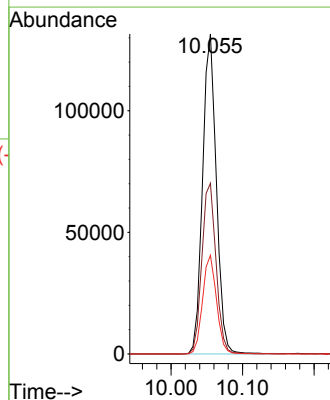
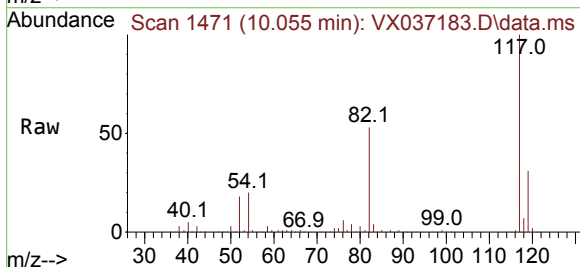
Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815RE

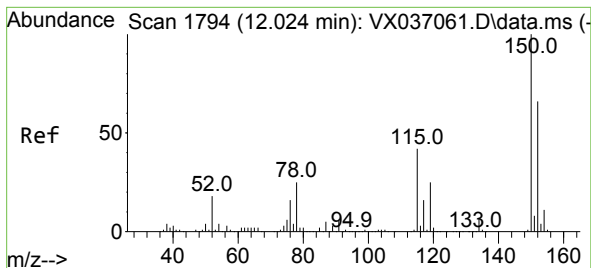
Tgt Ion: 95 Resp: 85861
Ion Ratio Lower Upper
95 100
174 71.6 0.0 135.6
176 68.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

Tgt Ion: 117 Resp: 175920
Ion Ratio Lower Upper
117 100
82 53.4 46.2 69.4
119 30.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037183.D

Acq: 23 Aug 2023 15:05

Instrument :

MSVOA_X

ClientSampleId :

TT158S1-20230815RE

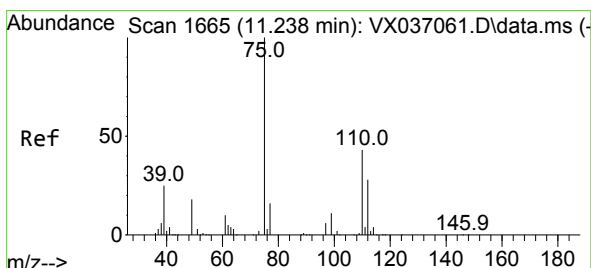
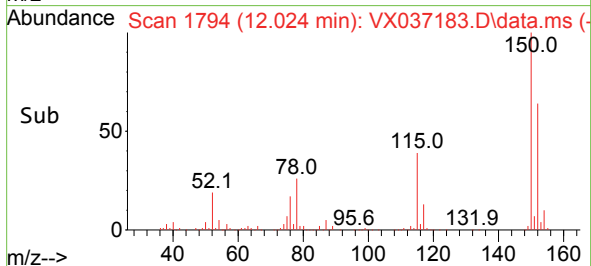
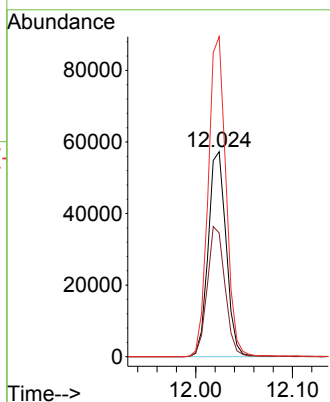
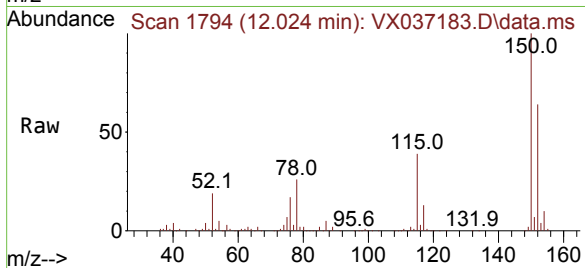
Tgt Ion:152 Resp: 73942

Ion Ratio Lower Upper

152 100

115 63.1 43.3 129.9

150 154.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.811 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037183.D

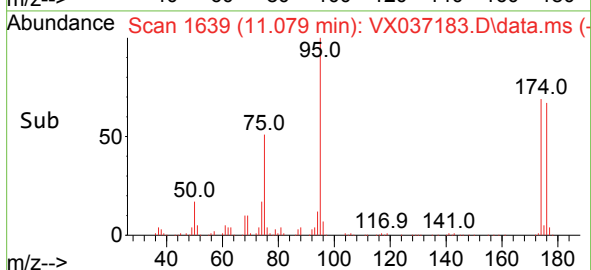
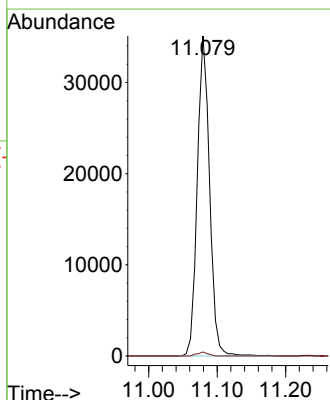
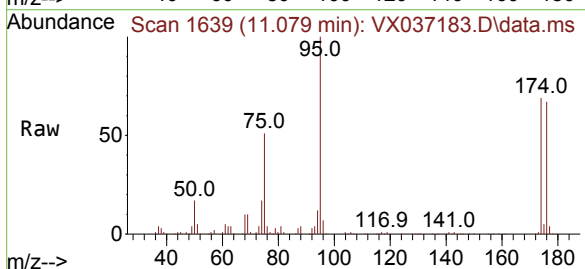
Acq: 23 Aug 2023 15:05

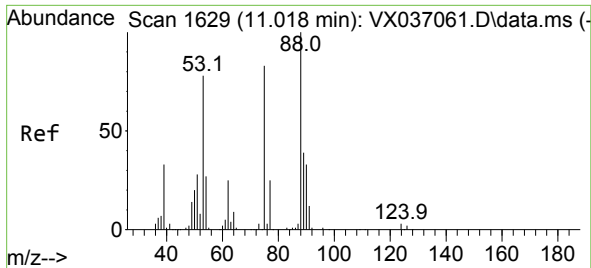
Tgt Ion: 75 Resp: 43794

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

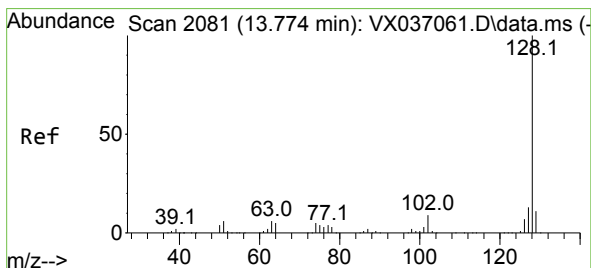
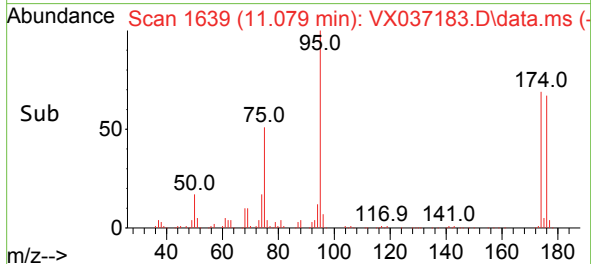
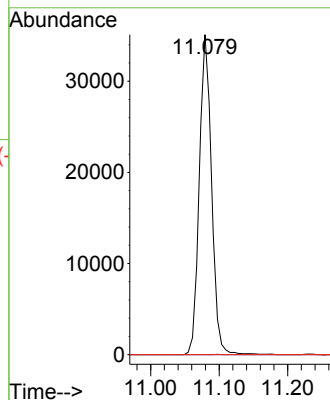
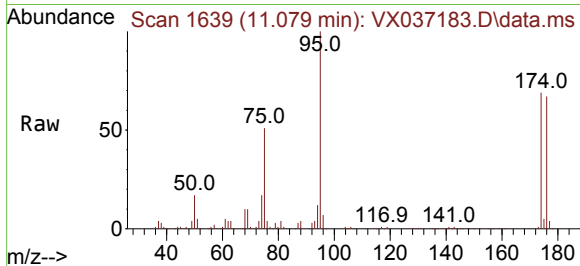




#81
trans-1,4-Dichloro-2-butene
Concen: 77.676 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

Instrument :
MSVOA_X
ClientSampleId :
TT158S1-20230815RE

Tgt Ion: 75 Resp: 43794
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.913 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX037183.D
Acq: 23 Aug 2023 15:05

Tgt Ion: 128 Resp: 11800
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 11.1 8.8 13.2

