

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112123\
 Data File : VX038988.D
 Acq On : 21 Nov 2023 16:35
 Operator : JC/MD
 Sample : 05407-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 22 03:22:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

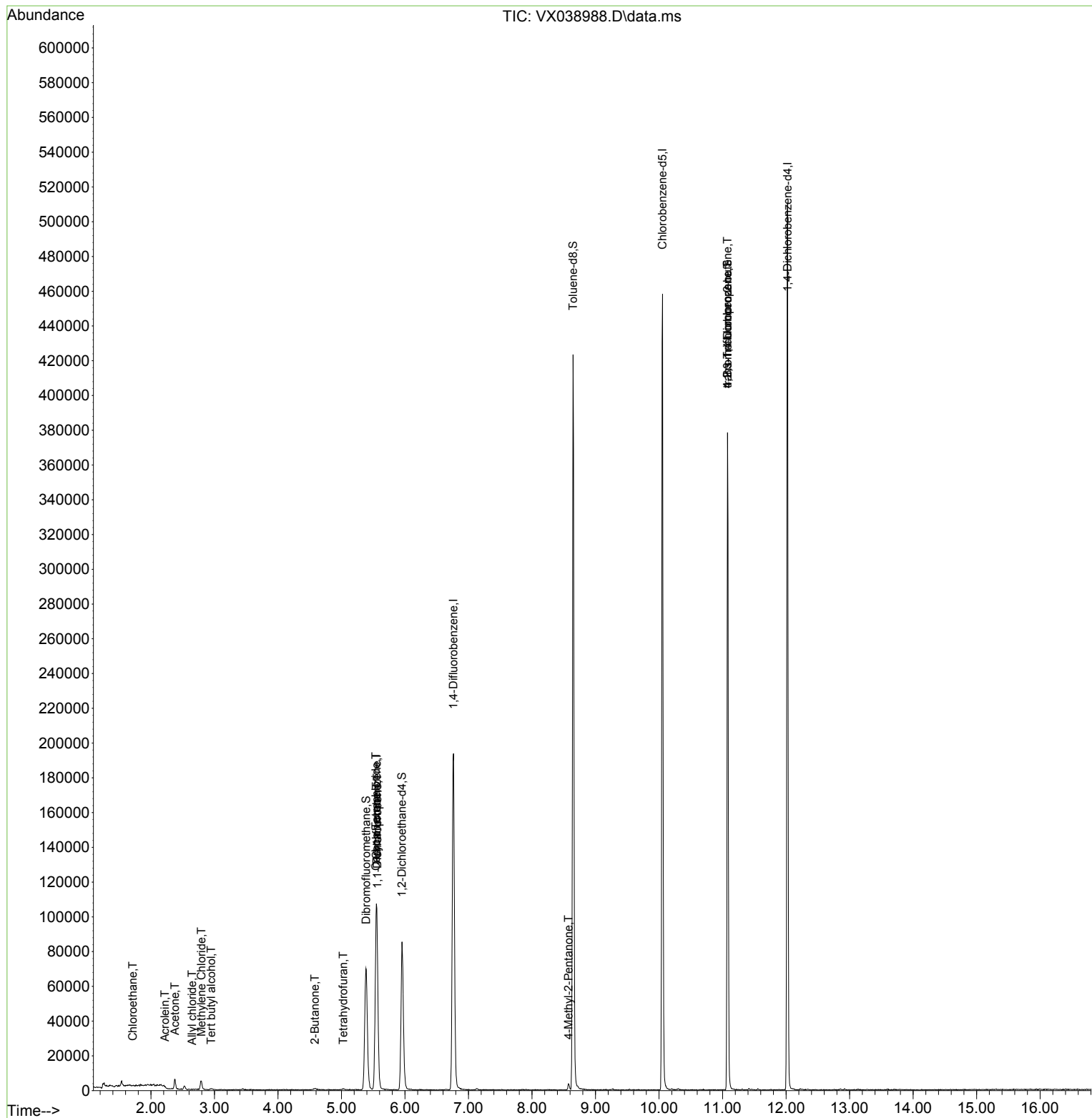
Internal Standards						
1) Pentafluorobenzene	5.556	168	95011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195500	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78239	51.105	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.200%	
35) Dibromofluoromethane	5.385	113	61593	43.623	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 87.240%	
50) Toluene-d8	8.647	98	248274	45.958	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 91.920%#	
62) 4-Bromofluorobenzene	11.079	95	107070	49.511	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.020%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.715	64	236	0.297	ug/l #	43
11) Tert butyl alcohol	2.947	59	852	2.001	ug/l #	78
13) Acrolein	2.221	56	72	0.320	ug/l #	1
14) Allyl chloride	2.648	41	600	0.253	ug/l #	24
16) Acetone	2.380	43	6452	7.917	ug/l	100
20) Methylene Chloride	2.794	84	2524	1.718	ug/l	85
25) 2-Butanone	4.580	43	654	0.495	ug/l	97
29) Tetrahydrofuran	5.025	42	568	0.677	ug/l #	56
31) Cyclohexane	5.550	56	2656	1.215	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	8934	4.415	ug/l #	49
38) Carbon Tetrachloride	5.544	117	10759	5.753	ug/l #	14
51) 4-Methyl-2-Pentanone	8.574	43	2388	0.887	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	57498	22.914	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	57498	50.826	ug/l #	5

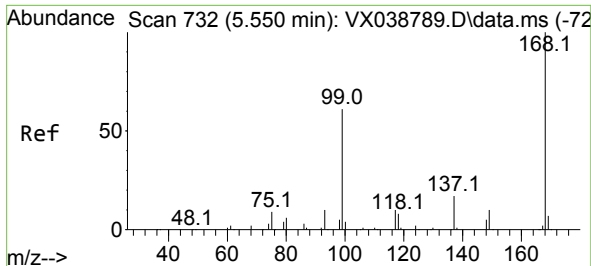
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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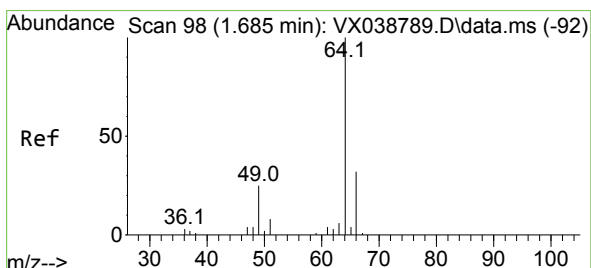
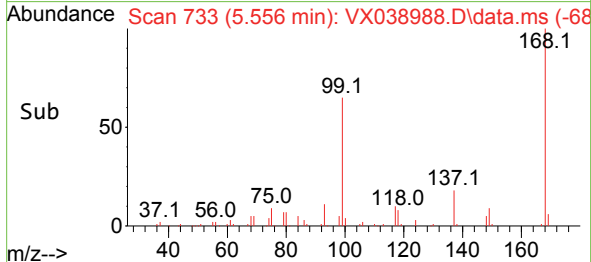
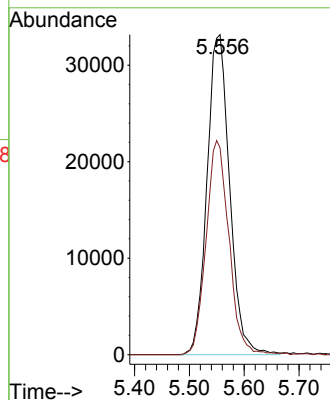
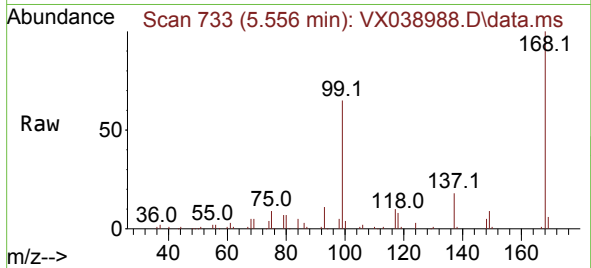




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

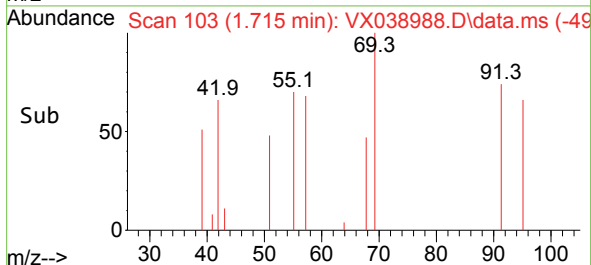
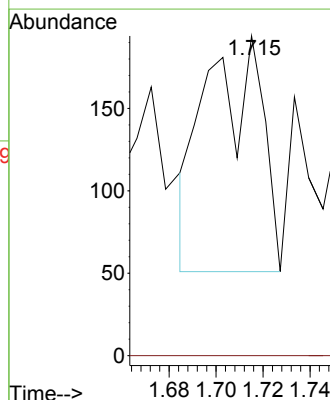
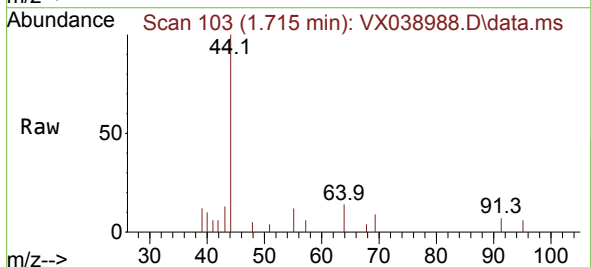
Instrument :
MSVOA_X
ClientSampleId :

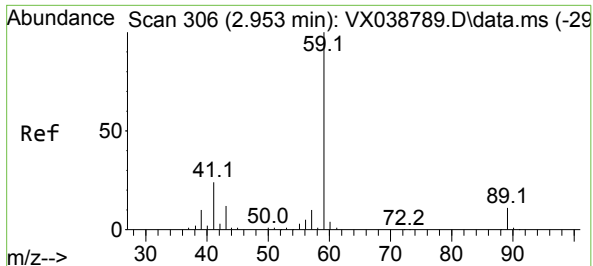
Tgt Ion:168 Resp: 95011
Ion Ratio Lower Upper
168 100
99 64.7 56.6 85.0



#6
Chloroethane
Concen: 0.297 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.030 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

Tgt Ion: 64 Resp: 236
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.001 ug/l

RT: 2.947 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX038988.D

Acq: 21 Nov 2023 16:35

Instrument :

MSVOA_X

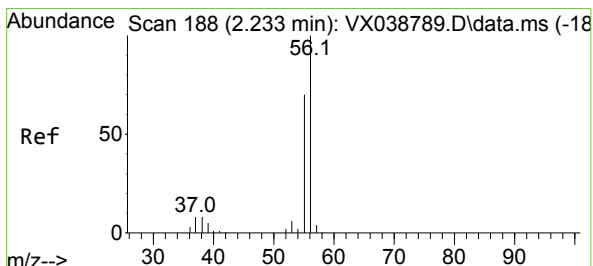
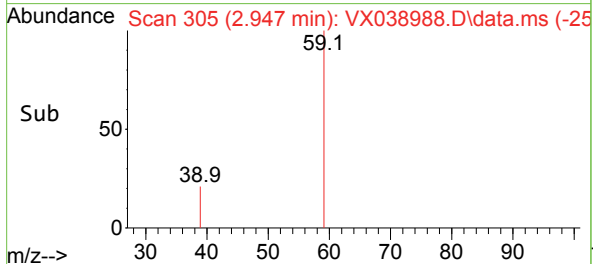
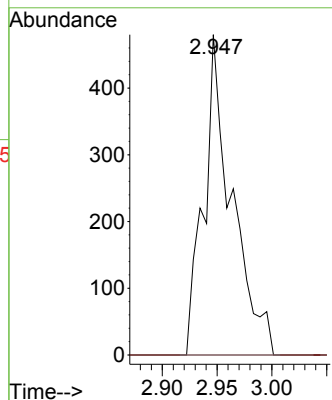
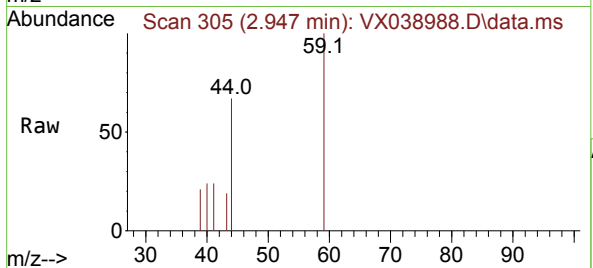
ClientSampleId :

Tgt Ion: 59 Resp: 852

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.320 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.012 min

Lab File: VX038988.D

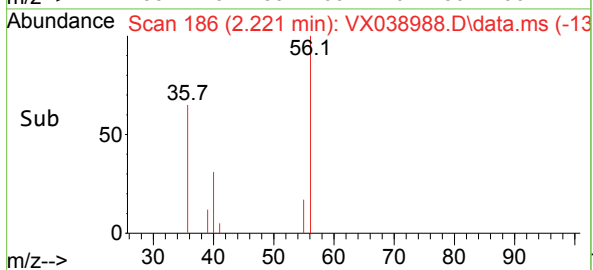
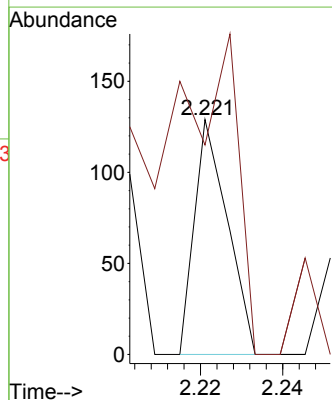
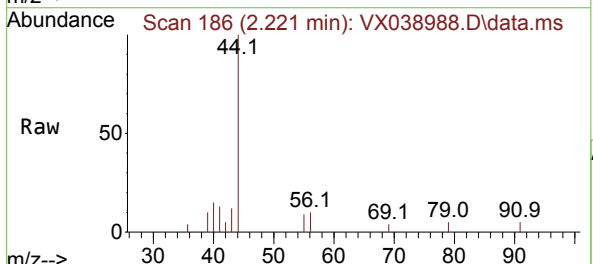
Acq: 21 Nov 2023 16:35

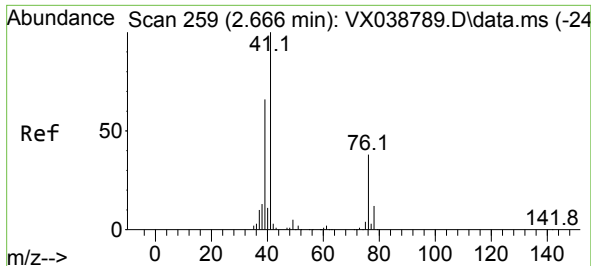
Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

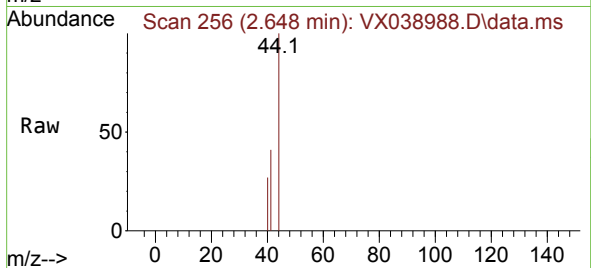
55 223.6 57.1 85.7#



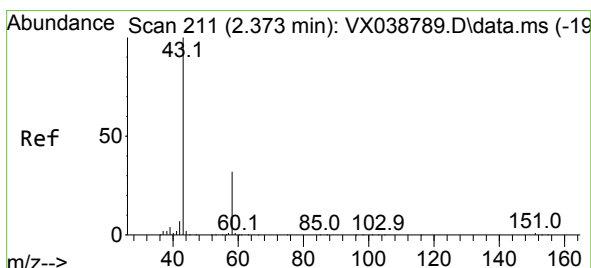
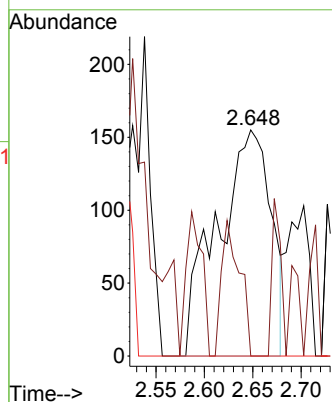
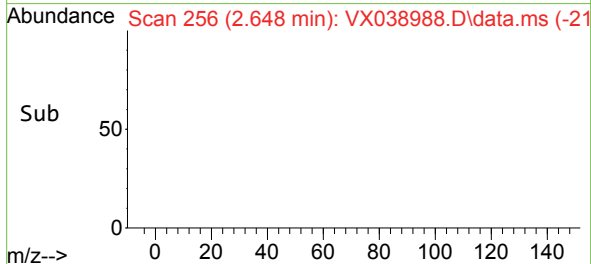


#14
 Allyl chloride
 Concen: 0.253 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.018 min
 Lab File: VX038988.D
 Acq: 21 Nov 2023 16:35

Instrument :
 MSVOA_X
 ClientSampleId :

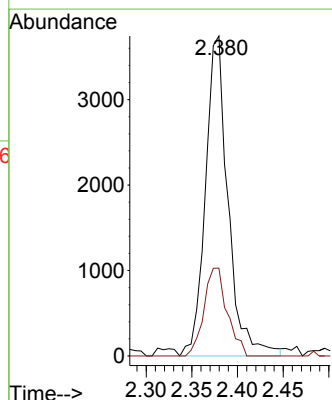
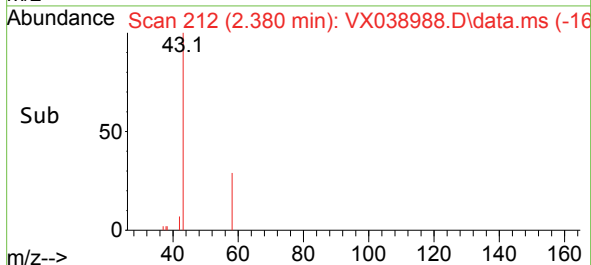
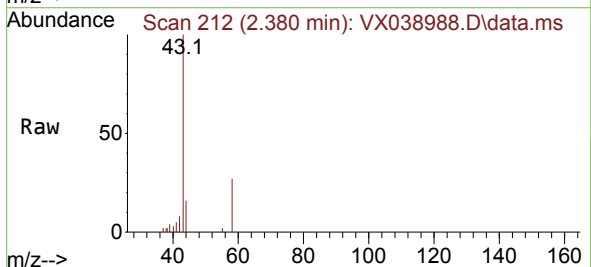


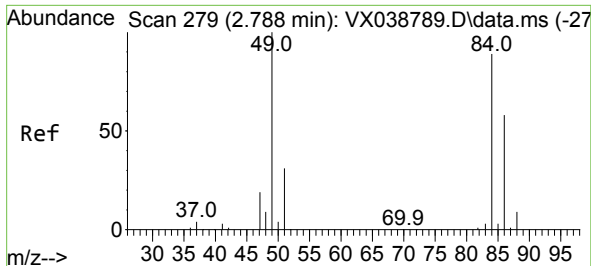
Tgt Ion: 41 Resp: 600
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 7.917 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. 0.006 min
 Lab File: VX038988.D
 Acq: 21 Nov 2023 16:35

Tgt Ion: 43 Resp: 6452
 Ion Ratio Lower Upper
 43 100
 58 27.5 21.9 32.9





#20

Methylene Chloride

Concen: 1.718 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

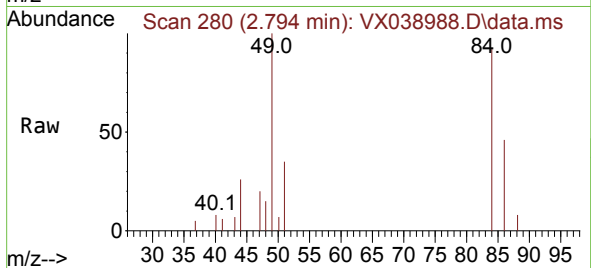
Lab File: VX038988.D

Acq: 21 Nov 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 2524

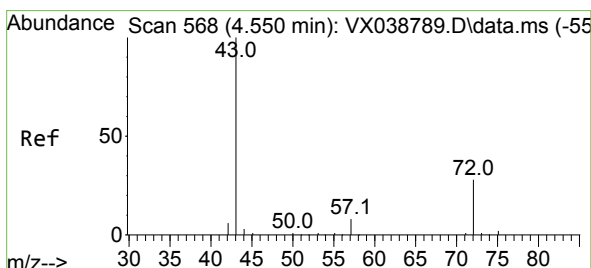
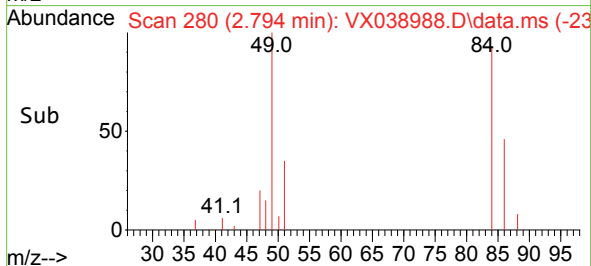
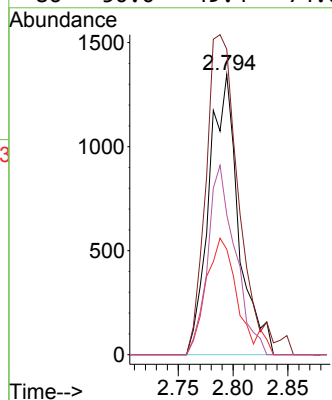
Ion Ratio Lower Upper

84 100

49 109.0 103.6 155.4

51 37.6 33.8 50.6

86 50.0 49.4 74.0



#25

2-Butanone

Concen: 0.495 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.031 min

Lab File: VX038988.D

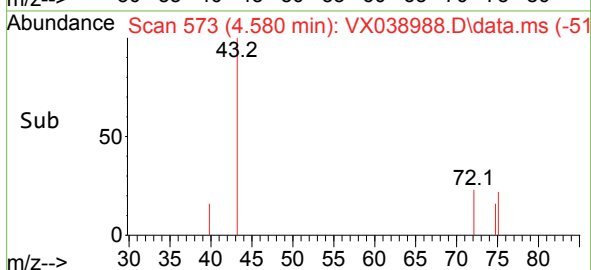
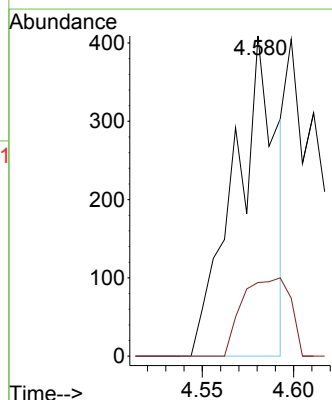
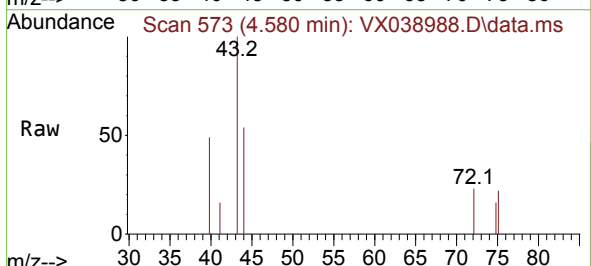
Acq: 21 Nov 2023 16:35

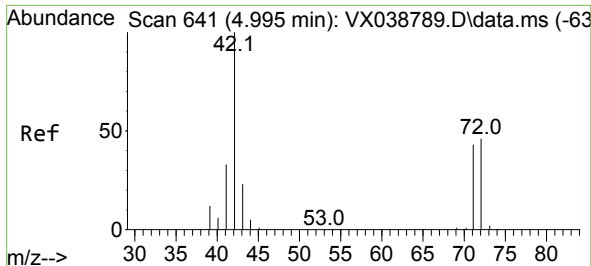
Tgt Ion: 43 Resp: 654

Ion Ratio Lower Upper

43 100

72 23.0 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.677 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.031 min

Lab File: VX038988.D

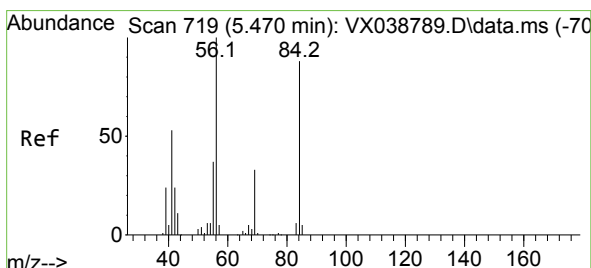
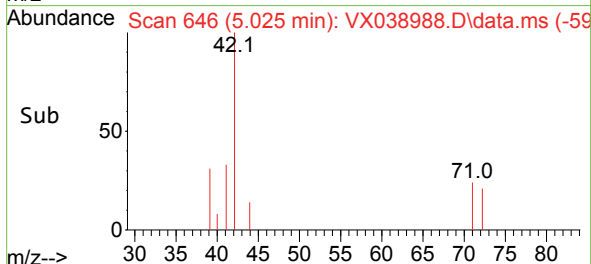
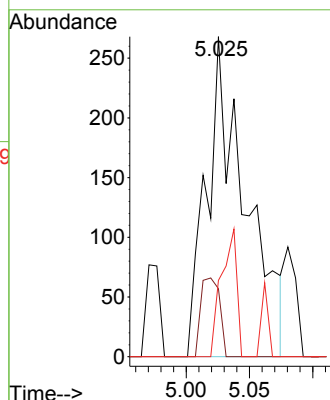
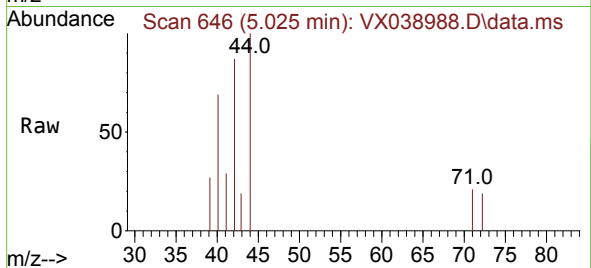
Acq: 21 Nov 2023 16:35

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	568
Ion Ratio	Lower	Upper	
42	100		
72	12.0	34.2	51.4#
71	15.8	32.2	48.2#



#31

Cyclohexane

Concen: 1.215 ug/l

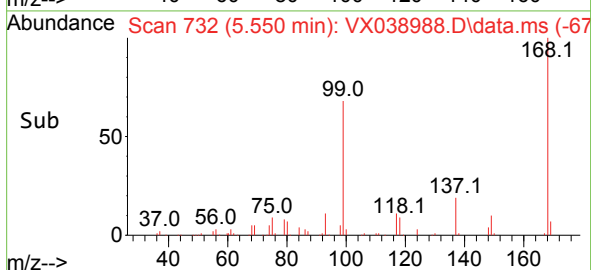
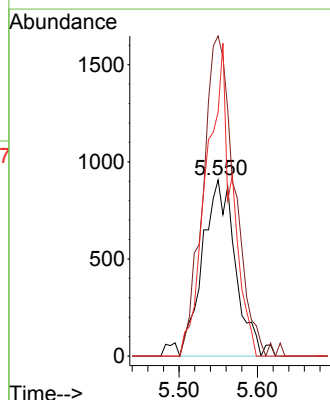
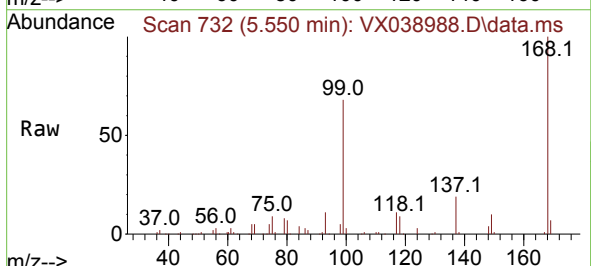
RT: 5.550 min Scan# 732

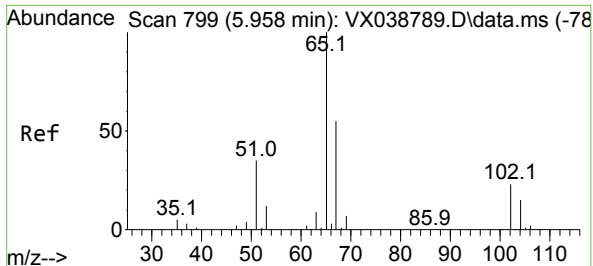
Delta R.T. 0.079 min

Lab File: VX038988.D

Acq: 21 Nov 2023 16:35

Tgt Ion:	56	Resp:	2656
Ion Ratio	Lower	Upper	
56	100		
69	181.7	23.4	35.2#
84	138.6	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 51.105 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038988.D

Acq: 21 Nov 2023 16:35

Instrument :

MSVOA_X

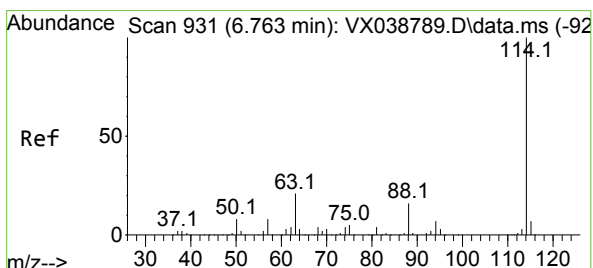
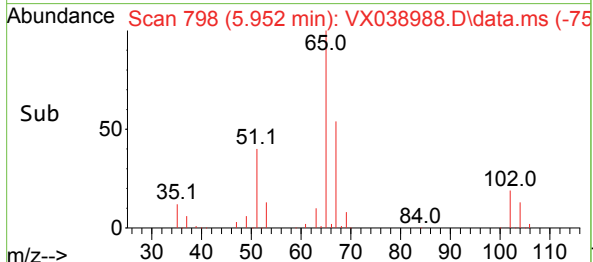
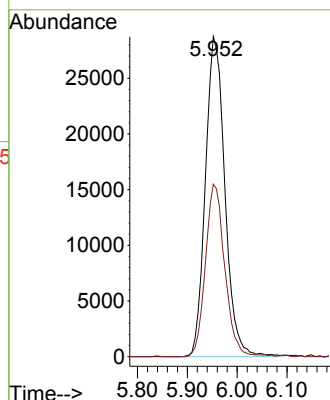
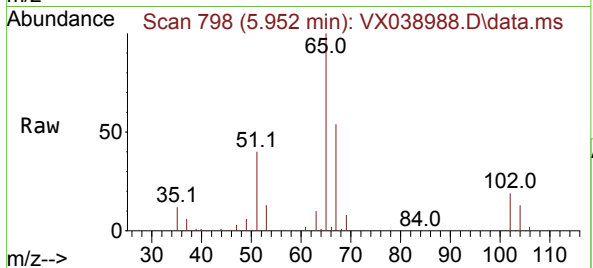
ClientSampleId :

Tgt Ion: 65 Resp: 78239

Ion Ratio Lower Upper

65 100

67 53.5 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: VX038988.D

Acq: 21 Nov 2023 16:35

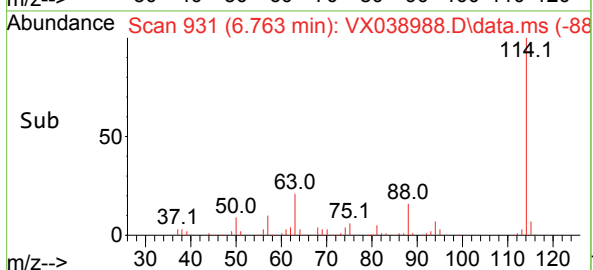
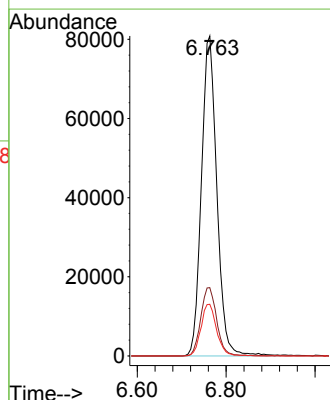
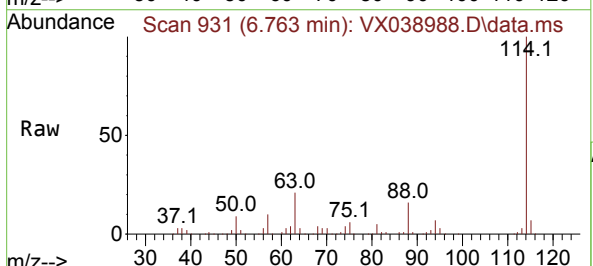
Tgt Ion:114 Resp: 195500

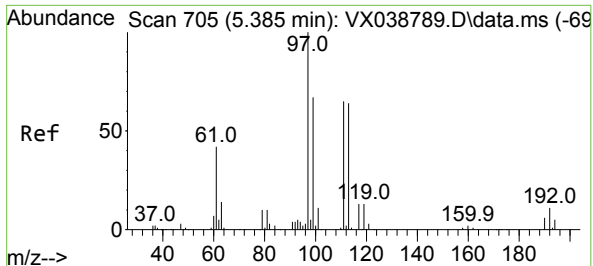
Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

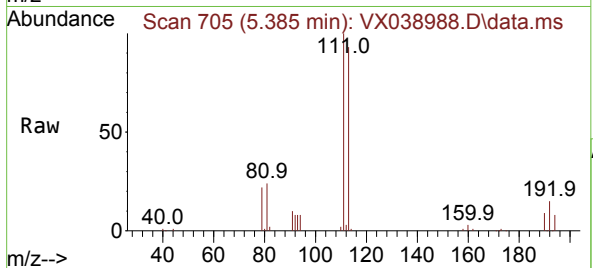
88 16.2 0.0 36.6



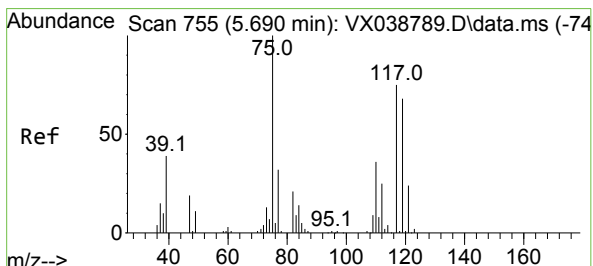
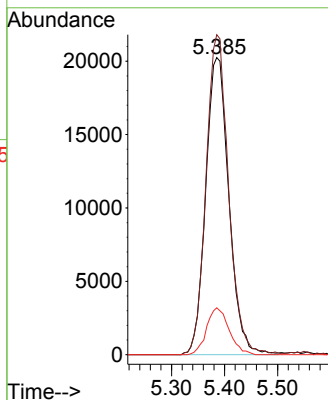
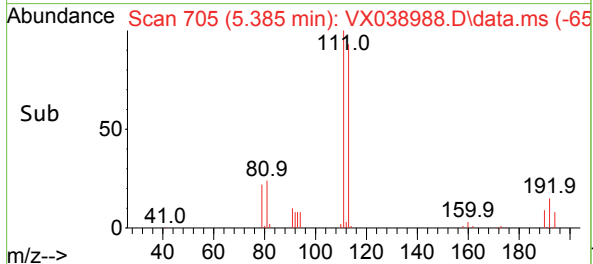


#35
Dibromofluoromethane
Concen: 43.623 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

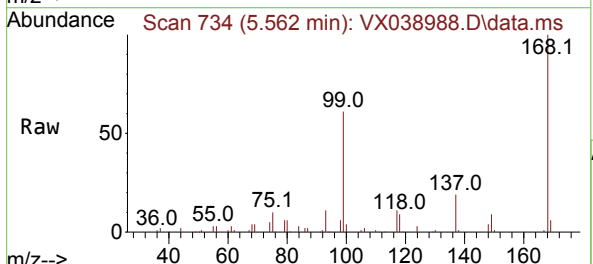
Instrument :
MSVOA_X
ClientSampleId :



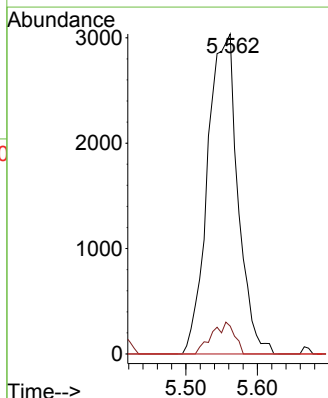
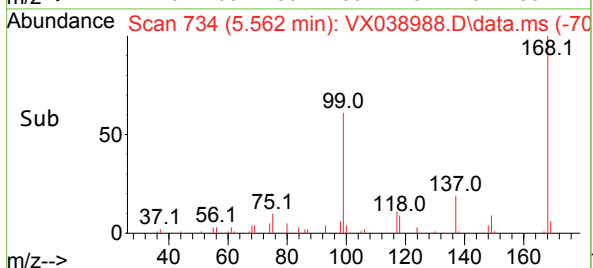
Tgt Ion:113 Resp: 61593
Ion Ratio Lower Upper
113 100
111 104.7 82.9 124.3
192 15.3 13.3 19.9

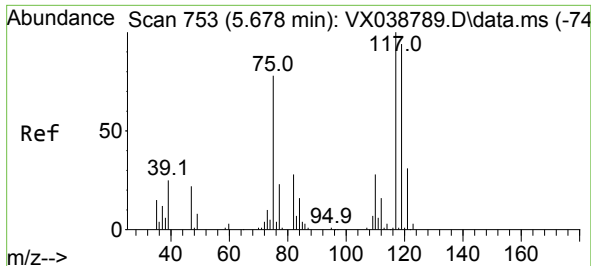


#36
1,1-Dichloropropene
Concen: 4.415 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35



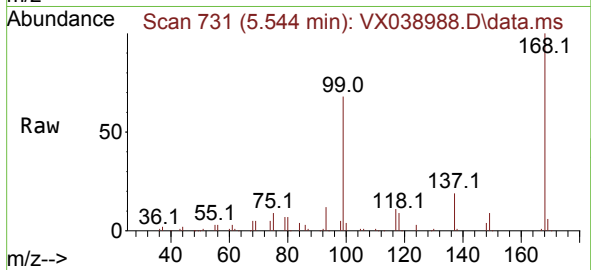
Tgt Ion: 75 Resp: 8934
Ion Ratio Lower Upper
75 100
110 7.4 17.0 50.9#
77 0.0 24.7 37.1#



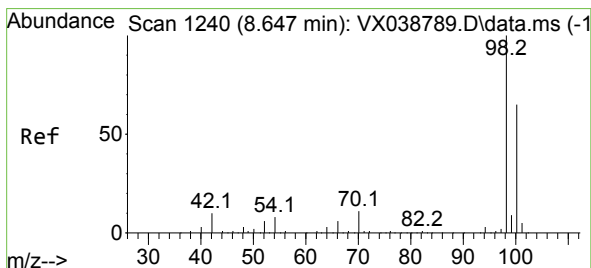
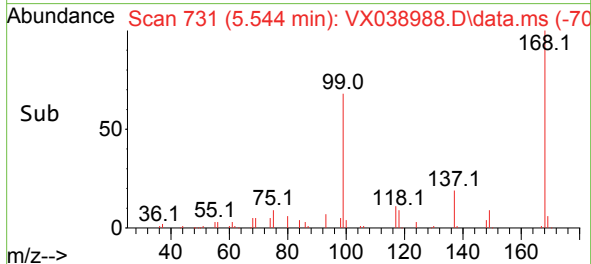
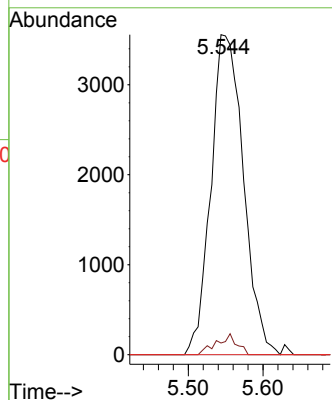


#38
Carbon Tetrachloride
Concen: 5.753 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

Instrument :
MSVOA_X
ClientSampleId :

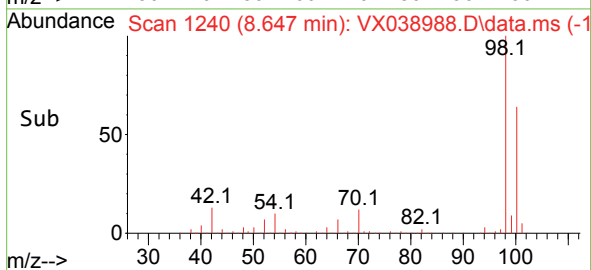
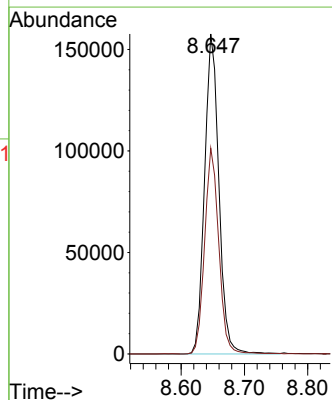
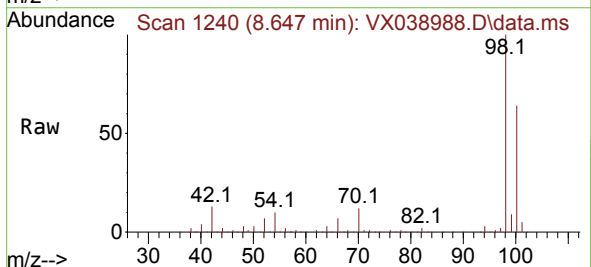


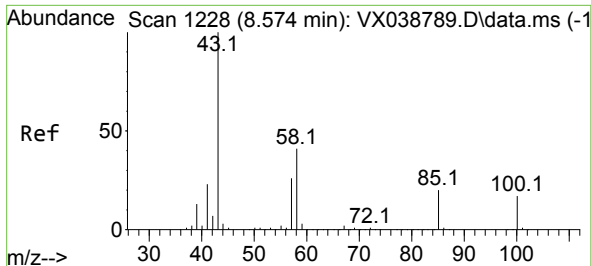
Tgt Ion:117 Resp: 10759
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.958 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

Tgt Ion: 98 Resp: 248274
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7

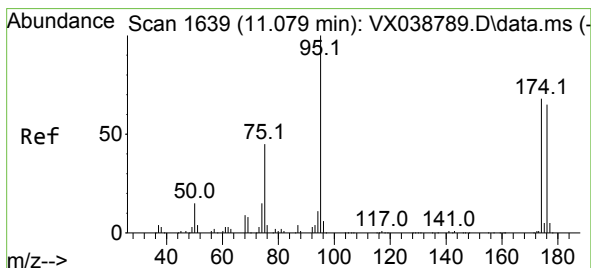
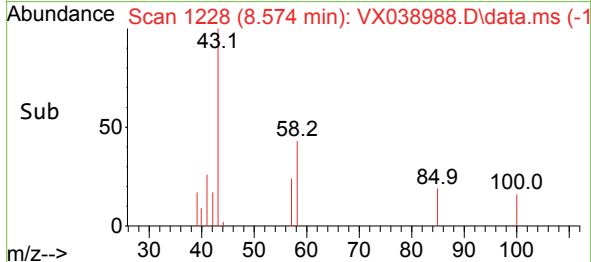
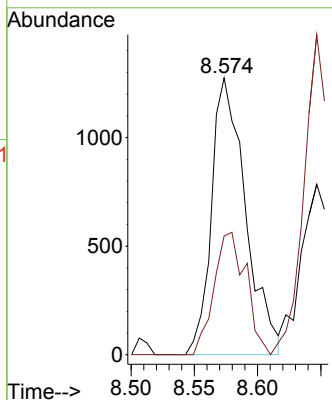
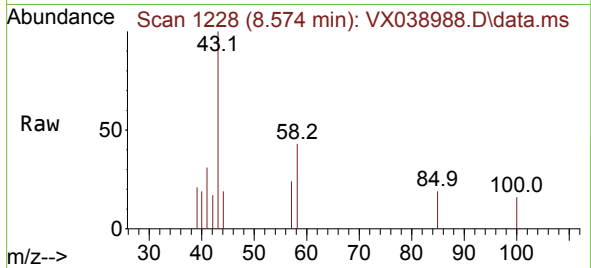




#51
4-Methyl-2-Pentanone
Concen: 0.887 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

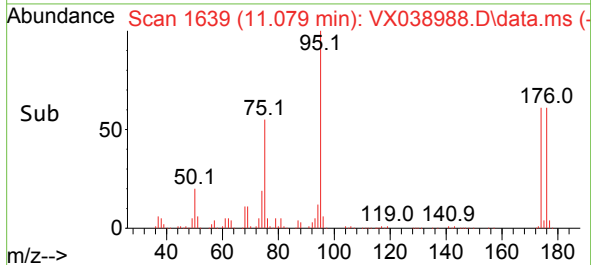
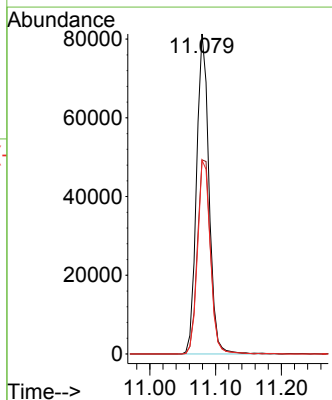
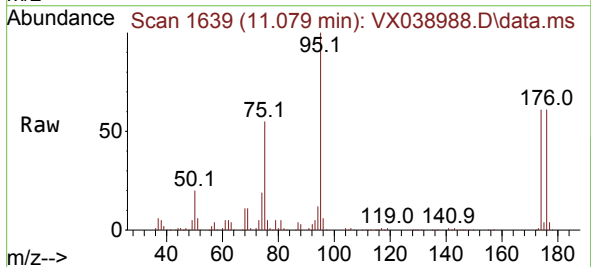
Instrument :
MSVOA_X
ClientSampleId :

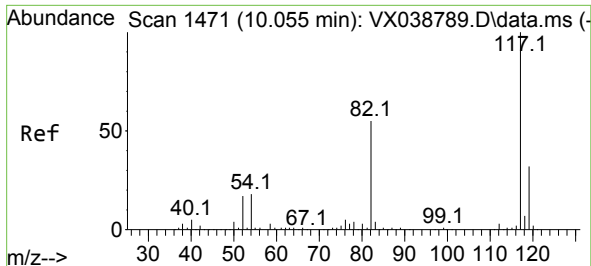
Tgt Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
58 41.5 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 49.511 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

Tgt Ion: 95 Resp: 107070
Ion Ratio Lower Upper
95 100
174 64.4 0.0 135.6
176 62.0 0.0 131.0

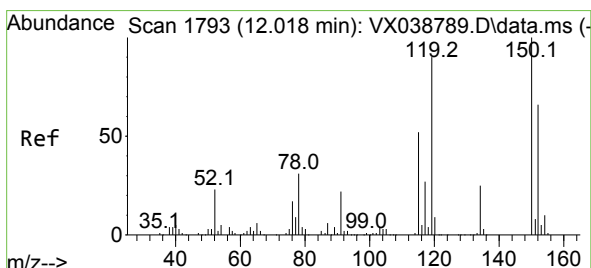
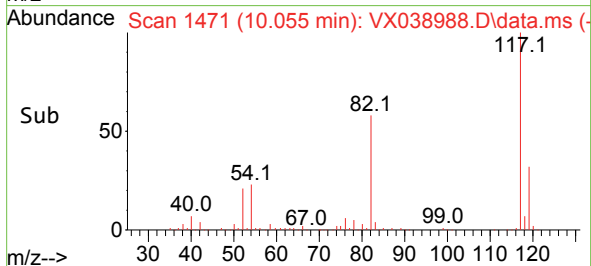
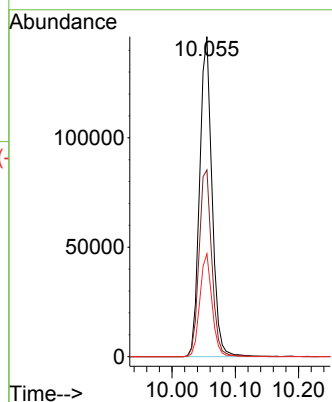
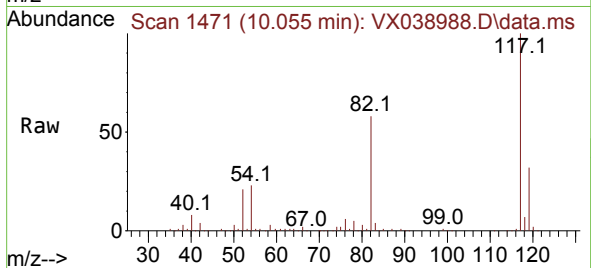




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

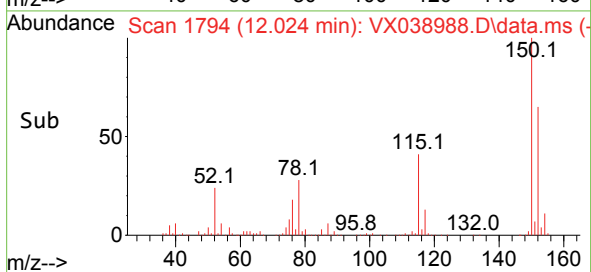
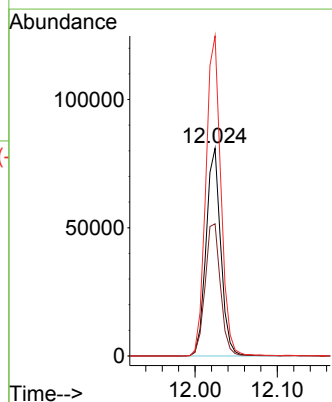
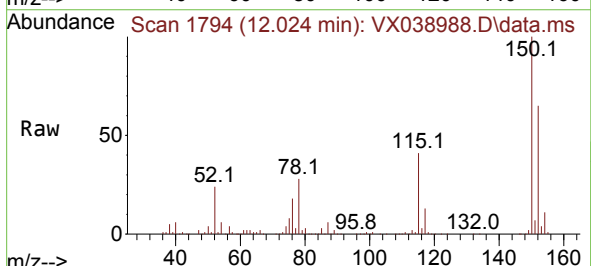
Instrument :
MSVOA_X
ClientSampleId :

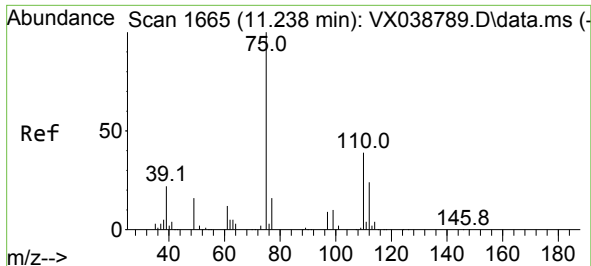
Tgt Ion:117 Resp: 199341
Ion Ratio Lower Upper
117 100
82 58.3 46.2 69.4
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

Tgt Ion:152 Resp: 100572
Ion Ratio Lower Upper
152 100
115 66.8 43.3 129.9
150 157.7 0.0 345.0

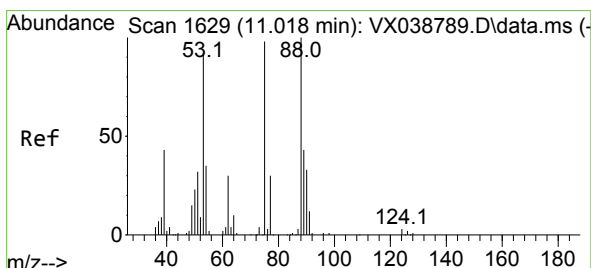
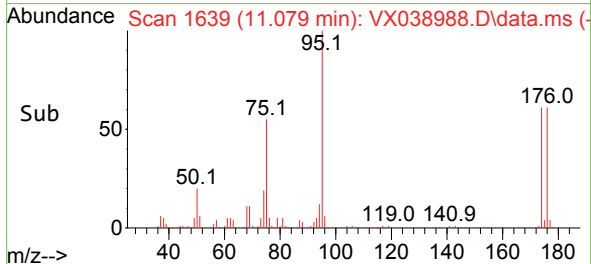
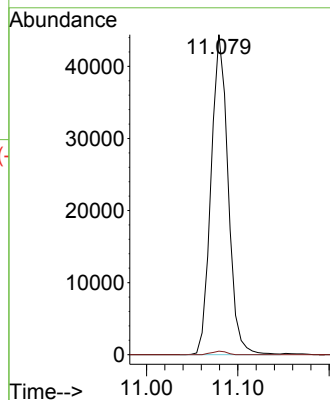
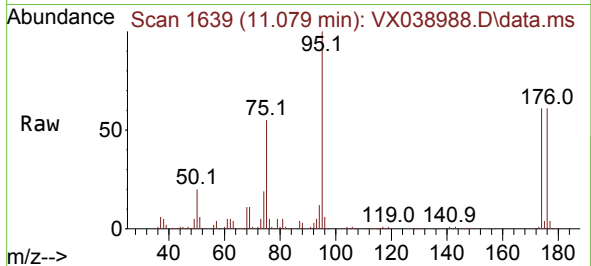




#76
1,2,3-Trichloropropane
Concen: 22.914 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 57498
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.826 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038988.D
Acq: 21 Nov 2023 16:35

Tgt Ion: 75 Resp: 57498
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

