

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038486.D
 Acq On : 25 Oct 2023 17:39
 Operator : JC/MD
 Sample : 05036-02 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 04:08:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

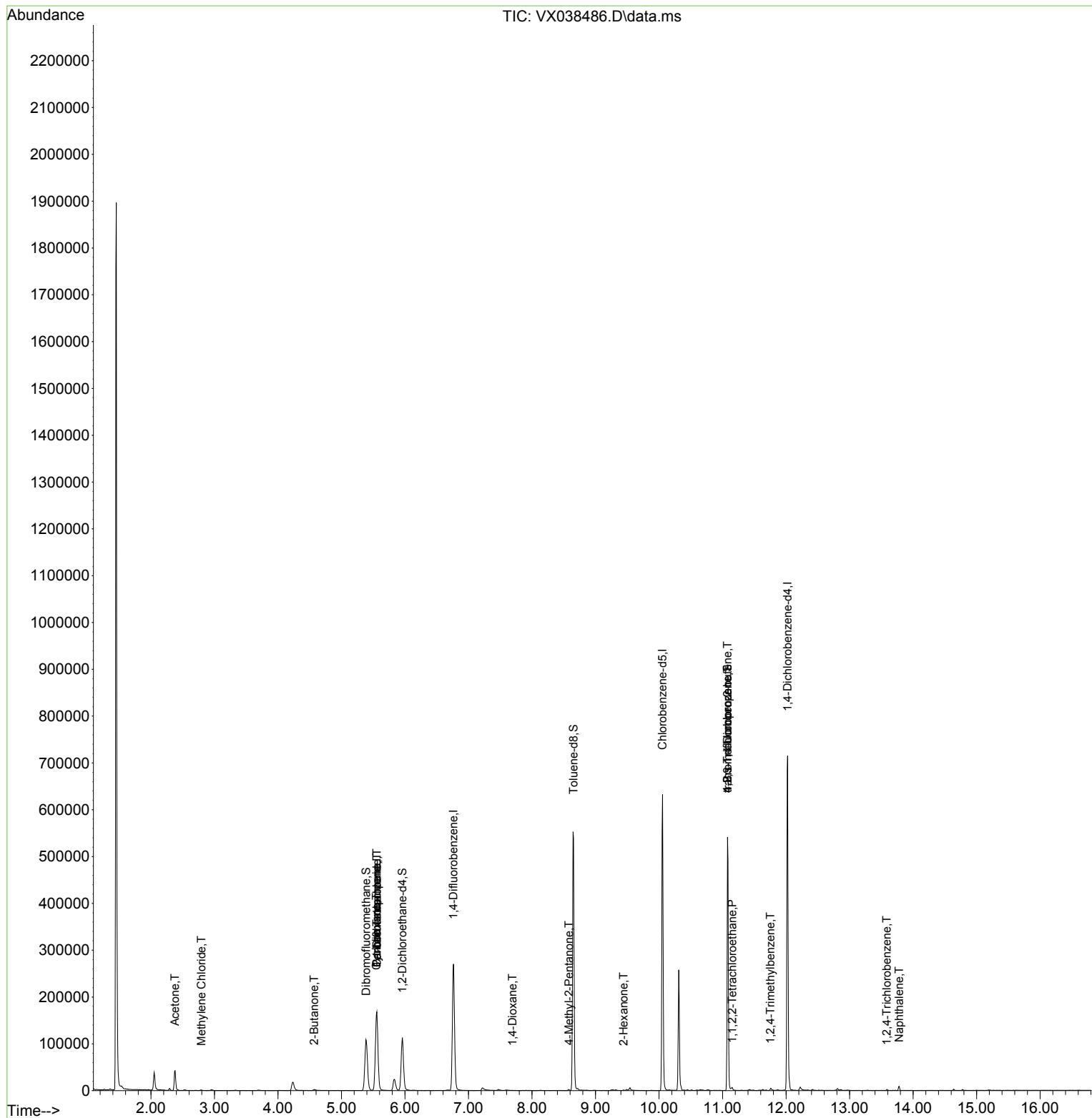
Internal Standards						
1) Pentafluorobenzene	5.556	168	164438	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	286904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	295203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	157046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104773	39.613	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	79.220%
35) Dibromofluoromethane	5.385	113	94213	45.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.140%
50) Toluene-d8	8.653	98	351027	44.435	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.880%#
62) 4-Bromofluorobenzene	11.079	95	137639	45.958	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.920%
Target Compounds						
						Qvalue
5) Bromomethane	1.556	94	29	Below Cal	#	3
6) Chloroethane	1.715	64	266	Below Cal	#	43
11) Tert butyl alcohol	2.952	59	2142	Below Cal	#	88
16) Acetone	2.379	43	44722	40.515	ug/l	91
20) Methylene Chloride	2.794	84	683	0.329	ug/l	# 70
25) 2-Butanone	4.568	43	4027	2.261	ug/l	97
31) Cyclohexane	5.550	56	3467	1.210	ug/l	# 26
36) 1,1-Dichloropropene	5.556	75	12212	4.284	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	16511	5.887	ug/l	# 16
49) 1,4-Dioxane	7.689	88	20	0.336	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.579	43	1507	0.432	ug/l	97
59) 2-Hexanone	9.439	43	906	0.323	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.152	83	1954	0.506	ug/l	# 40
76) 1,2,3-Trichloropropane	11.079	75	71807	20.113	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	71807	58.024	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	2213	0.244	ug/l	# 59
93) 1,2,4-Trichlorobenzene	13.585	180	677	0.203	ug/l	94
95) Naphthalene	13.780	128	5984	0.516	ug/l	99

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

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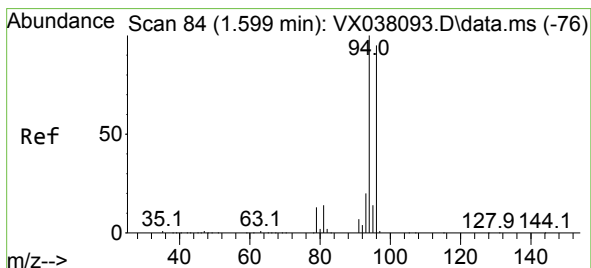
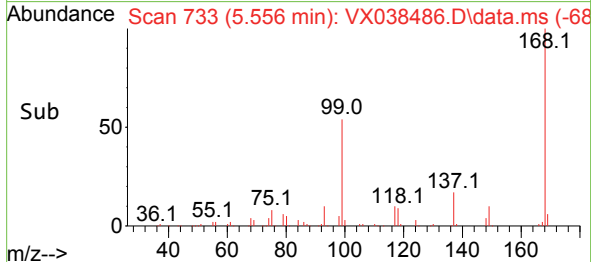
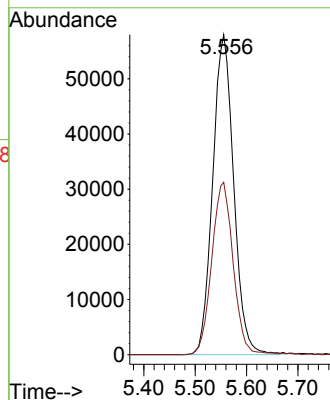
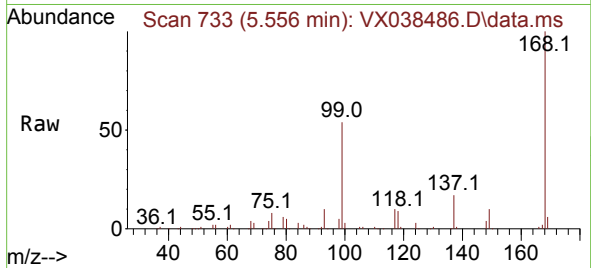




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

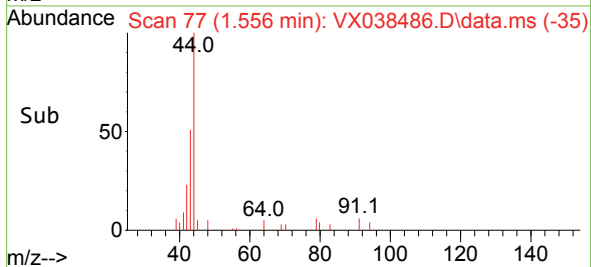
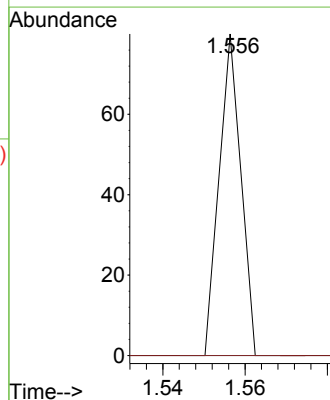
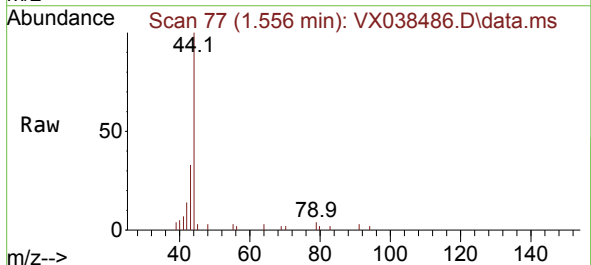
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 164438
Ion Ratio Lower Upper
168 100
99 53.9 56.6 85.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.556 min Scan# 77
Delta R.T. -0.043 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

Tgt Ion: 94 Resp: 29
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

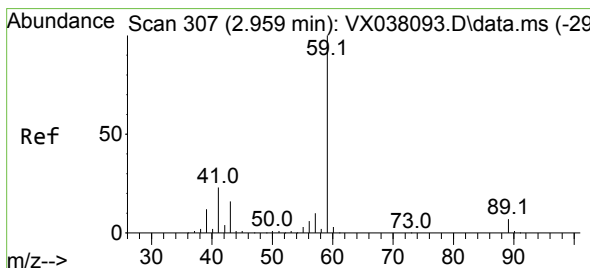
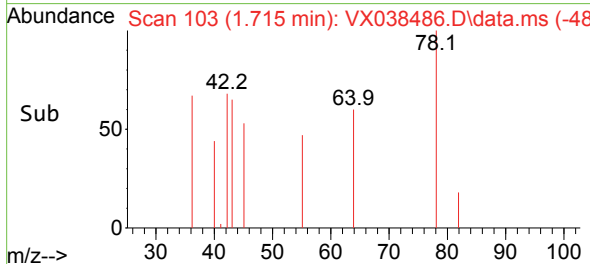
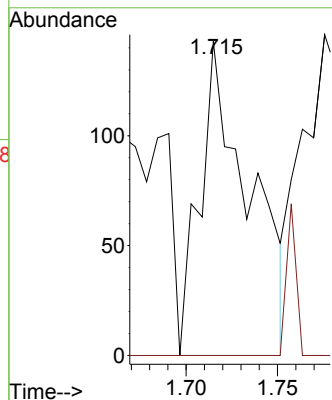
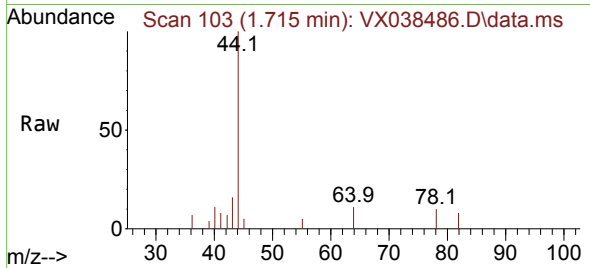




#6
Chloroethane
Concen: Below Cal
RT: 1.715 min Scan# 103
Delta R.T. 0.036 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

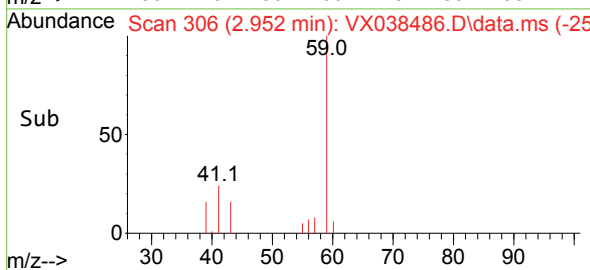
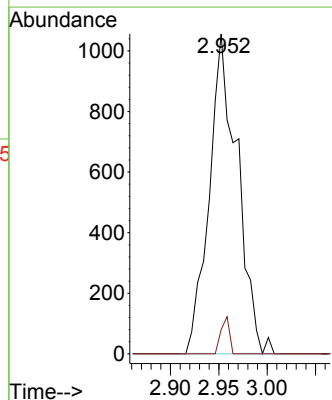
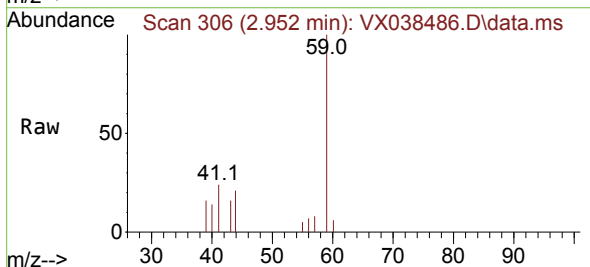
Instrument :
MSVOA_X
ClientSampleId :

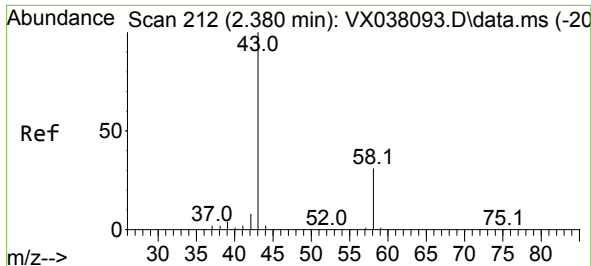
Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.952 min Scan# 306
Delta R.T. -0.007 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

Tgt Ion: 59 Resp: 2142
Ion Ratio Lower Upper
59 100
57 3.5 6.0 9.0#

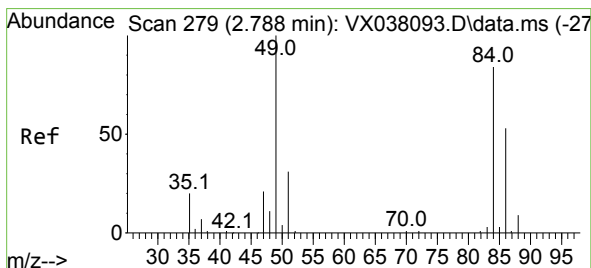
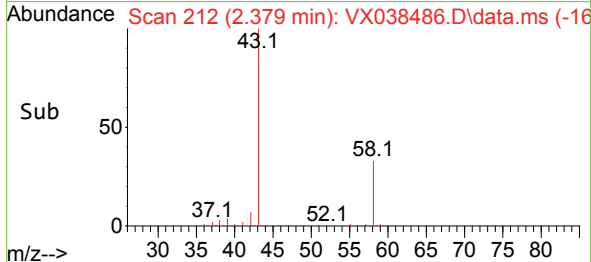
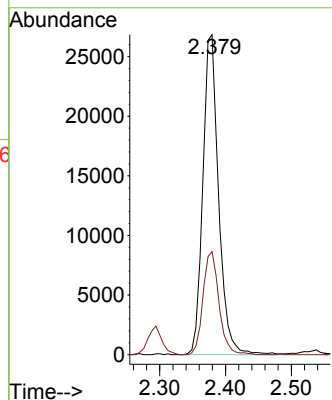
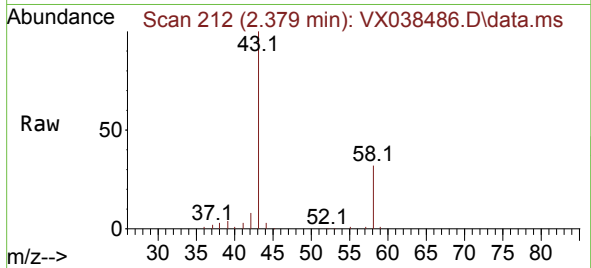




#16
Acetone
Concen: 40.515 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

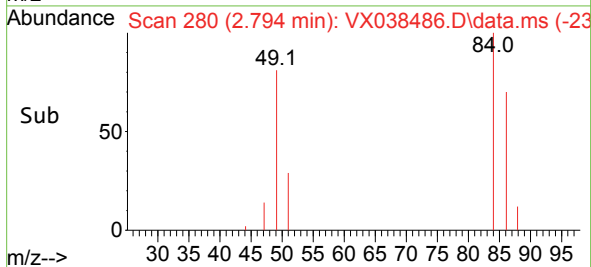
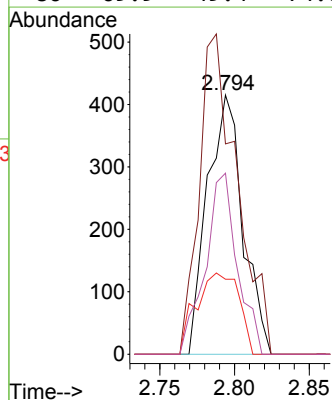
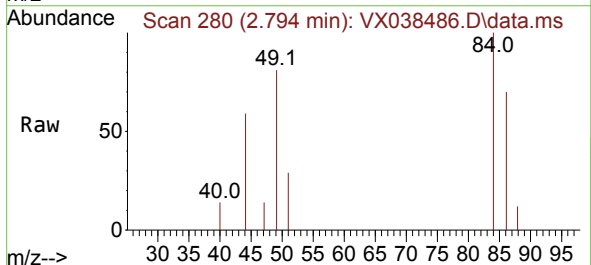
Instrument :
MSVOA_X
ClientSampleId :

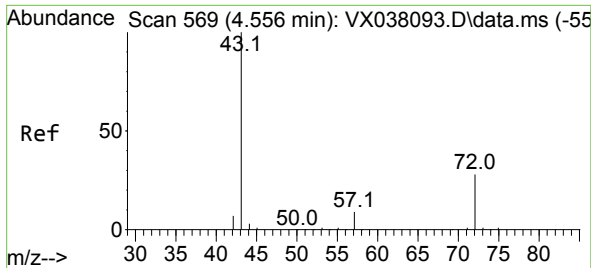
Tgt Ion: 43 Resp: 44722
Ion Ratio Lower Upper
43 100
58 32.2 21.9 32.9



#20
Methylene Chloride
Concen: 0.329 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

Tgt Ion: 84 Resp: 683
Ion Ratio Lower Upper
84 100
49 81.2 103.6 155.4#
51 28.9 33.8 50.6#
86 69.9 49.4 74.0

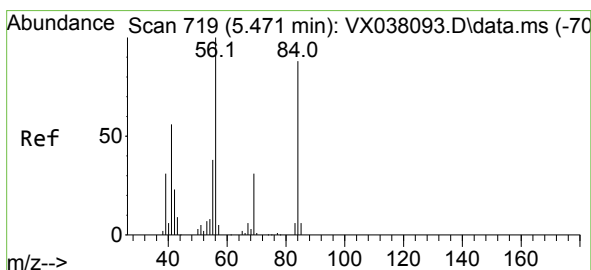
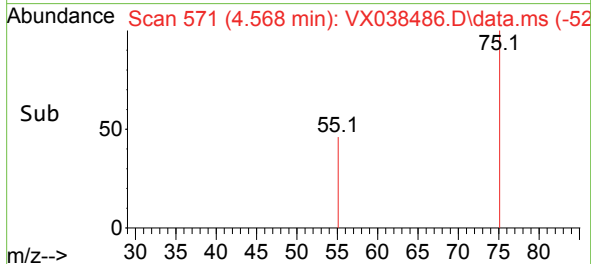
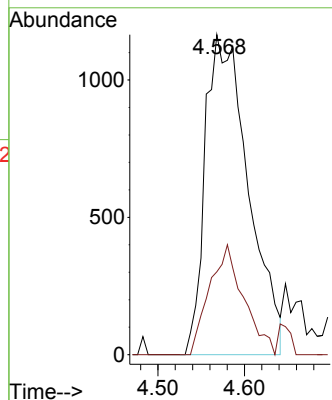
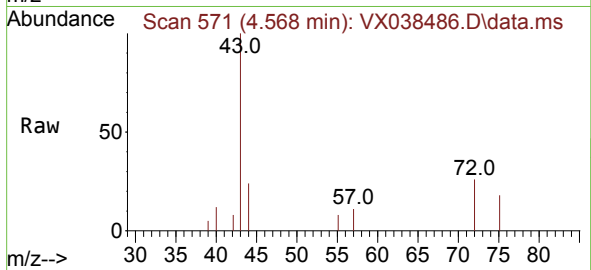




#25
2-Butanone
Concen: 2.261 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

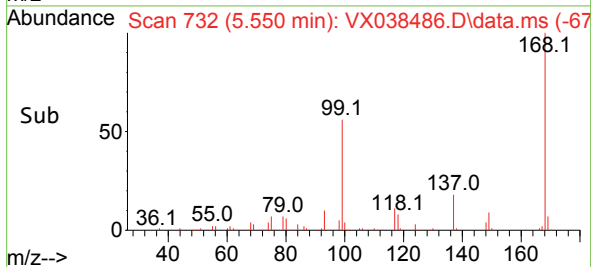
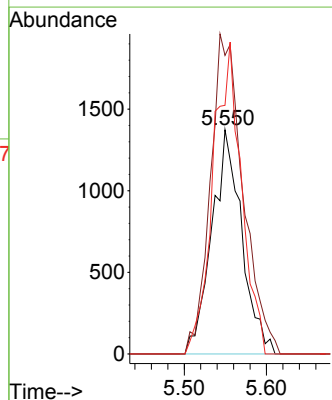
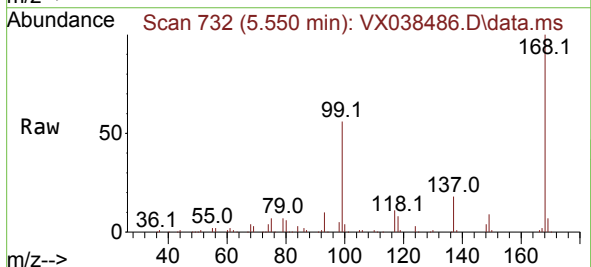
Instrument :
MSVOA_X
ClientSampleId :

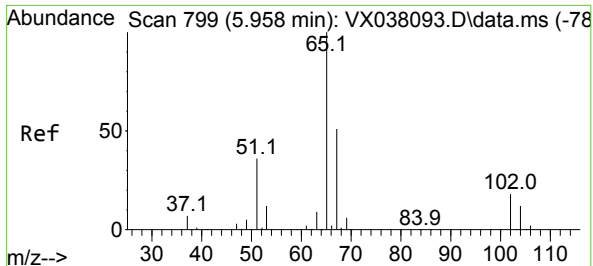
Tgt Ion: 43 Resp: 4027
Ion Ratio Lower Upper
43 100
72 25.9 19.4 29.2



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

Tgt Ion: 56 Resp: 3467
Ion Ratio Lower Upper
56 100
69 133.2 23.4 35.2#
84 110.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 39.613 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038486.D

Acq: 25 Oct 2023 17:39

Instrument :

MSVOA_X

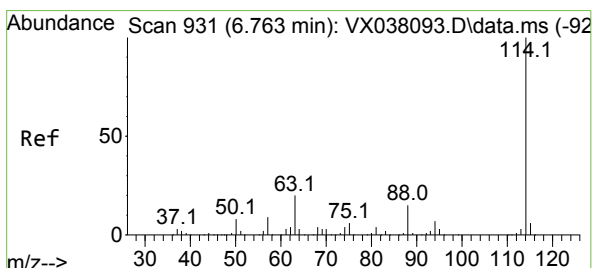
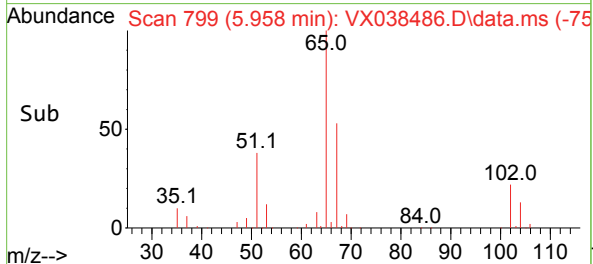
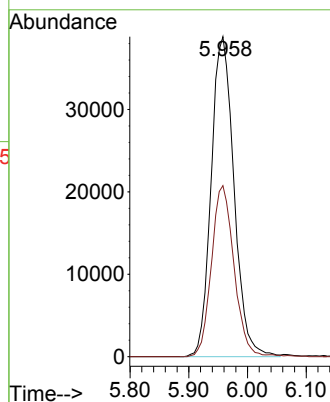
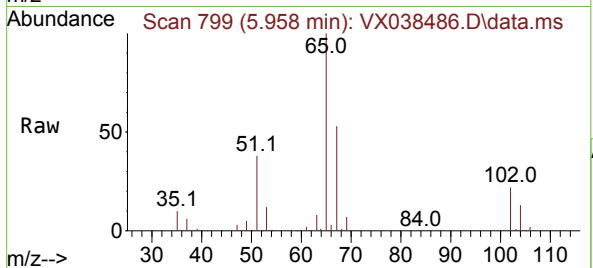
ClientSampleId :

Tgt Ion: 65 Resp: 104773

Ion Ratio Lower Upper

65 100

67 53.0 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: VX038486.D

Acq: 25 Oct 2023 17:39

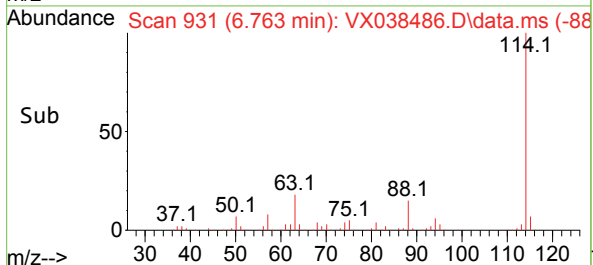
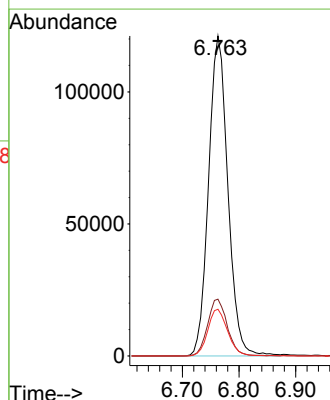
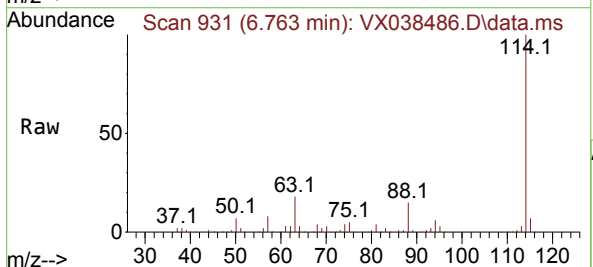
Tgt Ion: 114 Resp: 286904

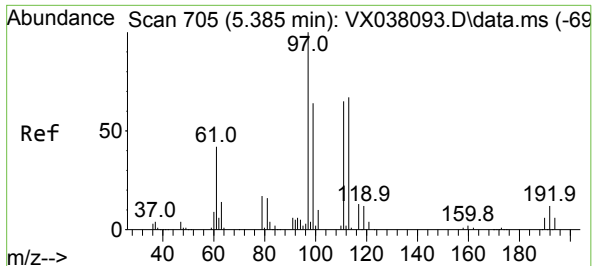
Ion Ratio Lower Upper

114 100

63 17.7 0.0 45.0

88 14.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.572 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

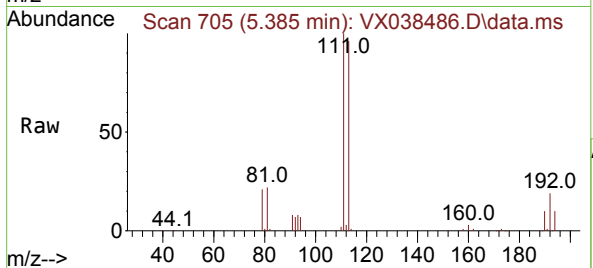
Lab File: VX038486.D

Acq: 25 Oct 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :



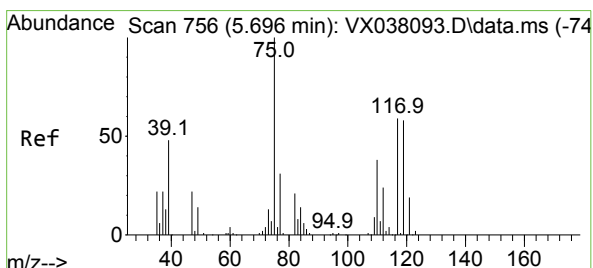
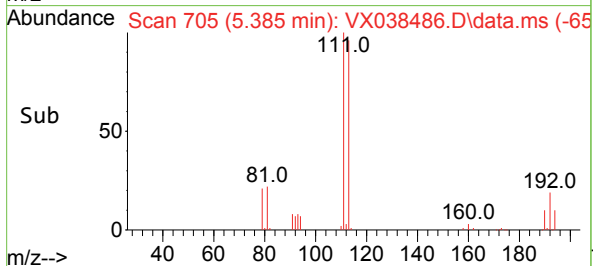
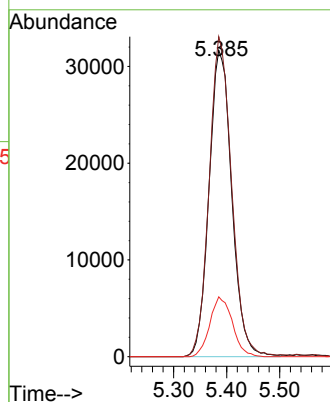
Tgt Ion:113 Resp: 94213

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

192 19.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.284 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX038486.D

Acq: 25 Oct 2023 17:39

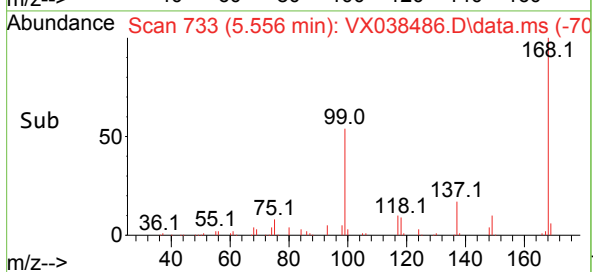
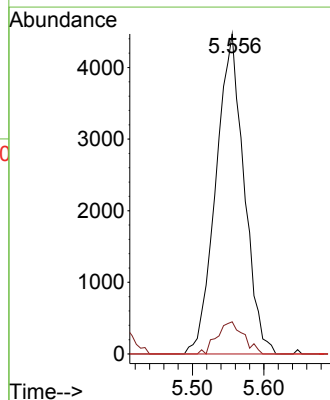
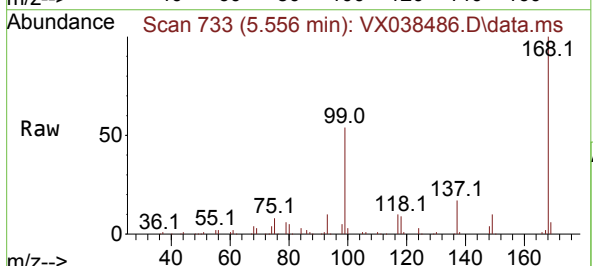
Tgt Ion: 75 Resp: 12212

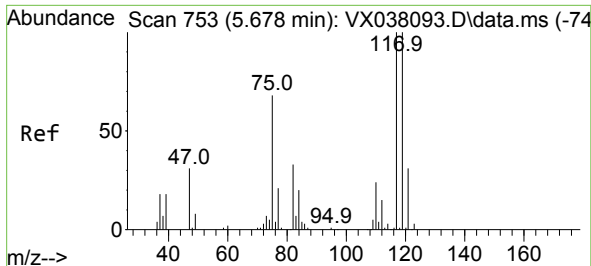
Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

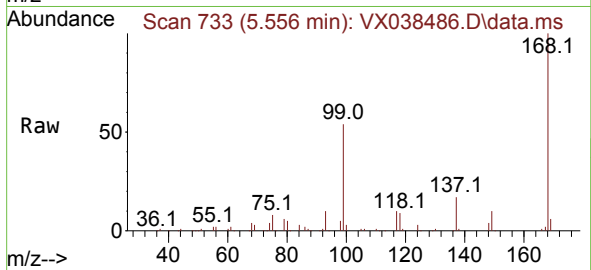
77 0.0 24.7 37.1#



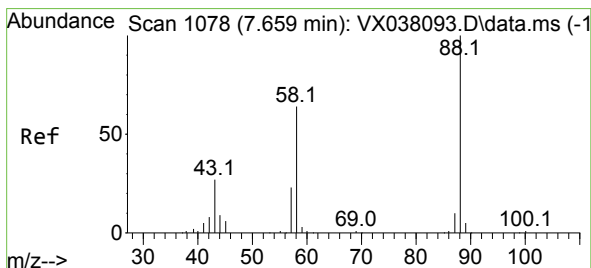
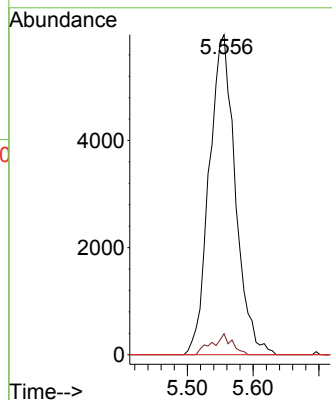
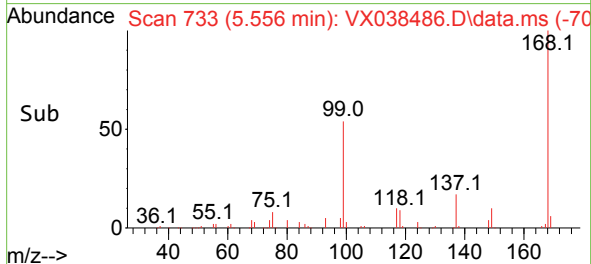


#38
Carbon Tetrachloride
Concen: 5.887 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

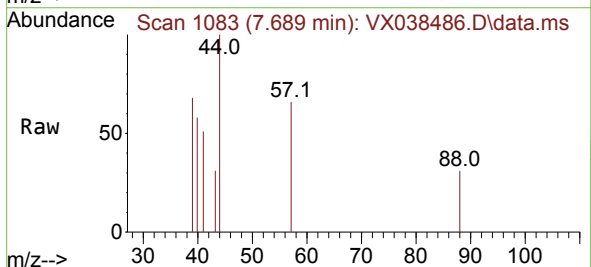
Instrument :
MSVOA_X
ClientSampleId :



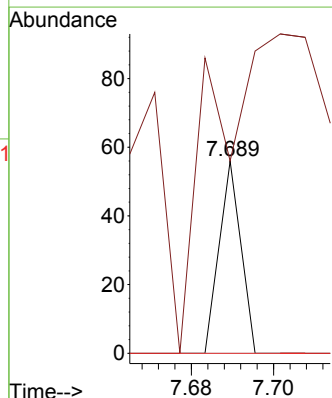
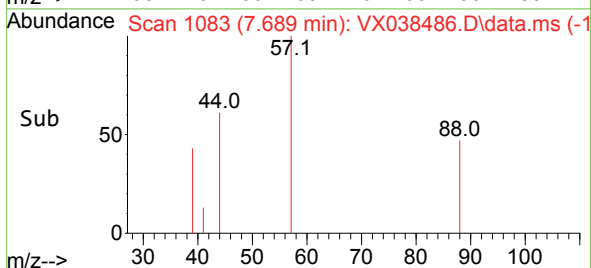
Tgt Ion:117 Resp: 16511
Ion Ratio Lower Upper
117 100
119 6.5 78.2 117.2#
121 0.0 24.4 36.6#

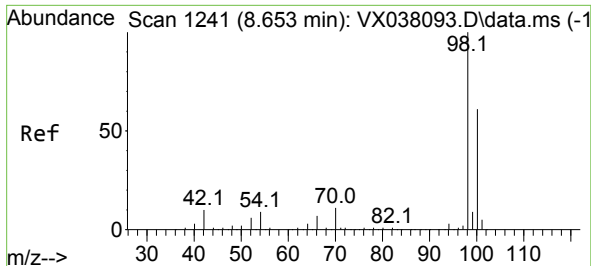


#49
1,4-Dioxane
Concen: 0.336 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39



Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 880.0 0.0 0.0#
58 0.0 60.1 90.1#

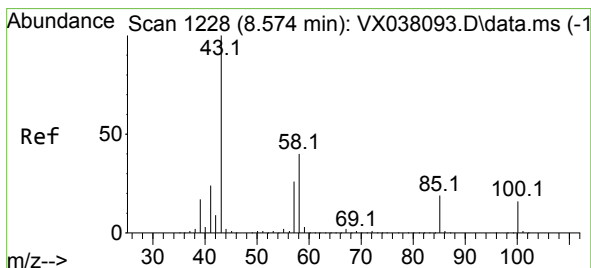
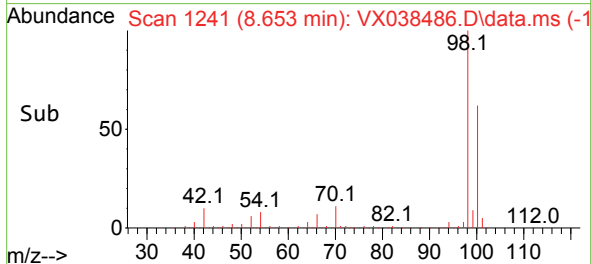
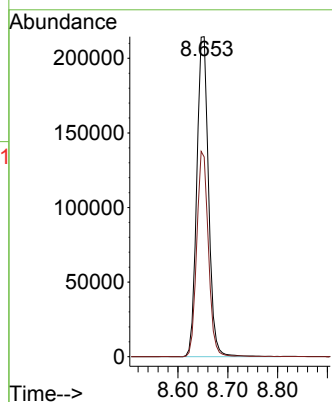
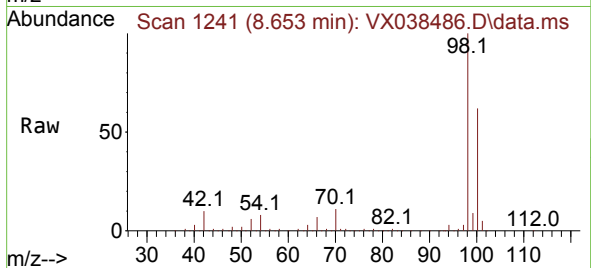




#50
Toluene-d8
Concen: 44.435 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

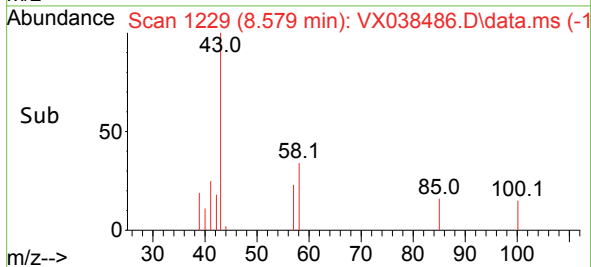
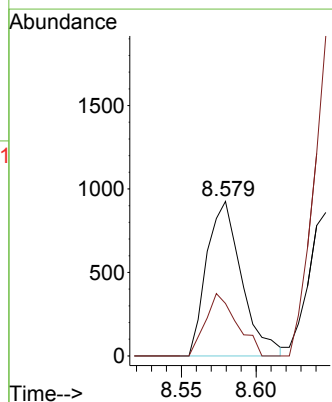
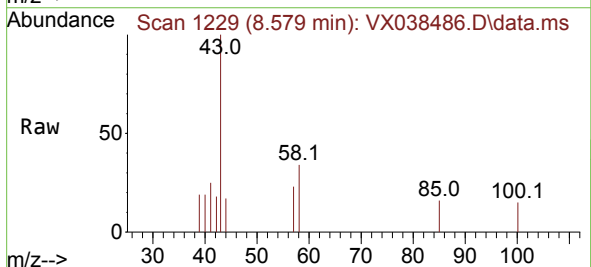
Instrument :
MSVOA_X
ClientSampleId :

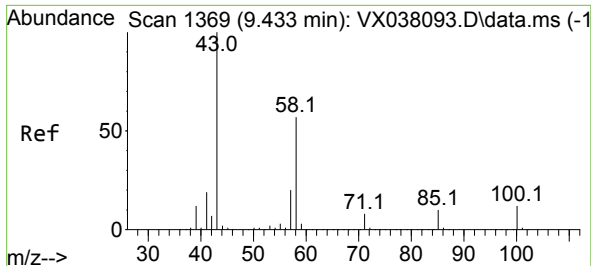
Tgt Ion: 98 Resp: 351027
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.432 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.005 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

Tgt Ion: 43 Resp: 1507
Ion Ratio Lower Upper
43 100
58 36.2 30.4 45.6





#59

2-Hexanone

Concen: 0.323 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038486.D

Acq: 25 Oct 2023 17:39

Instrument :

MSVOA_X

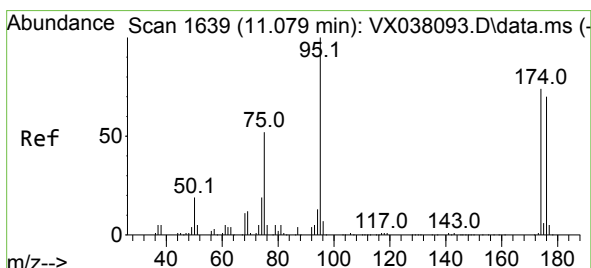
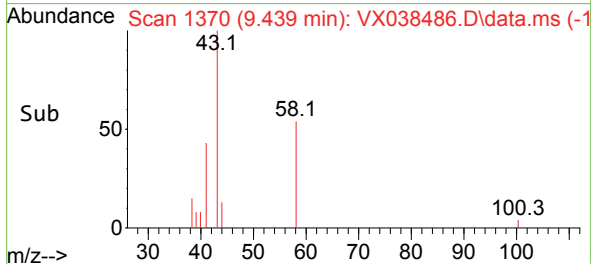
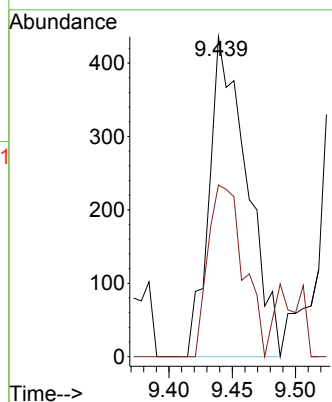
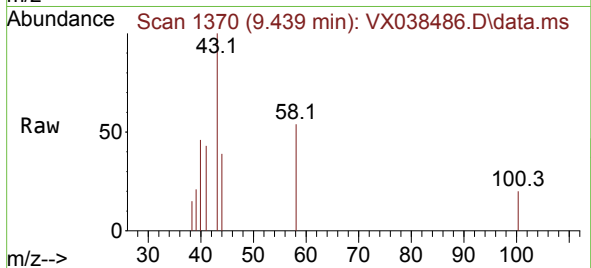
ClientSampleId :

Tgt Ion: 43 Resp: 906

Ion Ratio Lower Upper

43 100

58 50.3 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 45.958 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038486.D

Acq: 25 Oct 2023 17:39

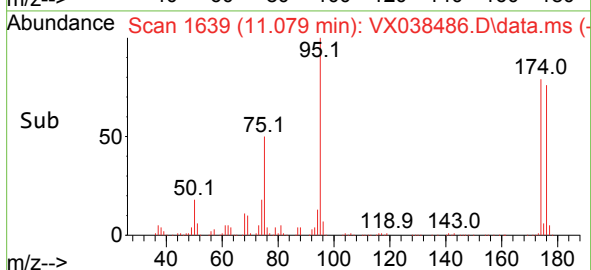
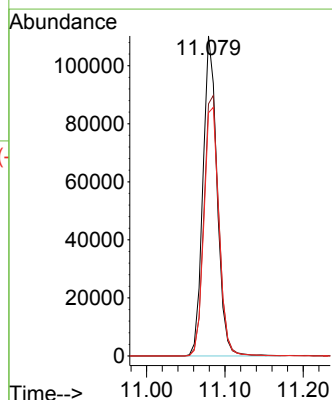
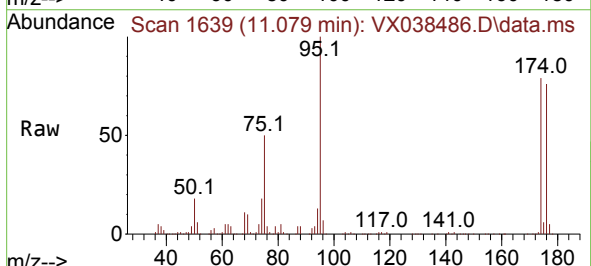
Tgt Ion: 95 Resp: 137639

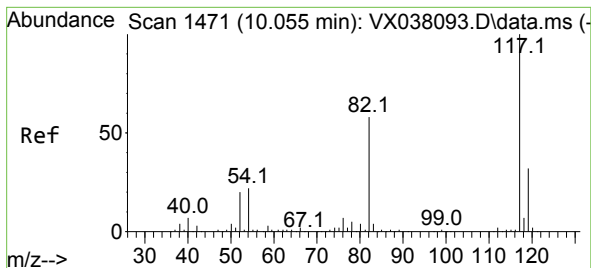
Ion Ratio Lower Upper

95 100

174 86.6 0.0 135.6

176 83.4 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: VX038486.D

Acq: 25 Oct 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

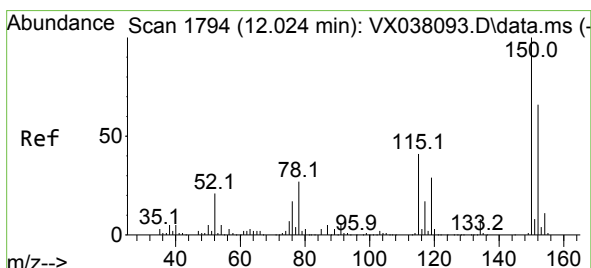
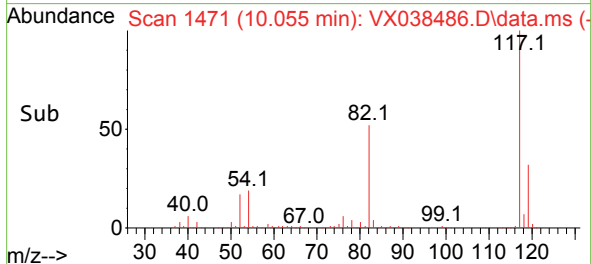
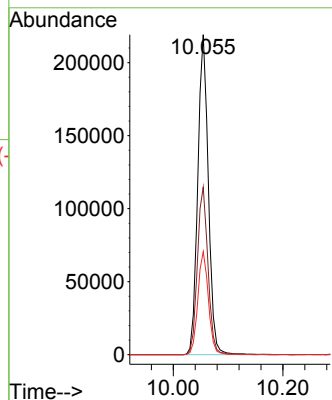
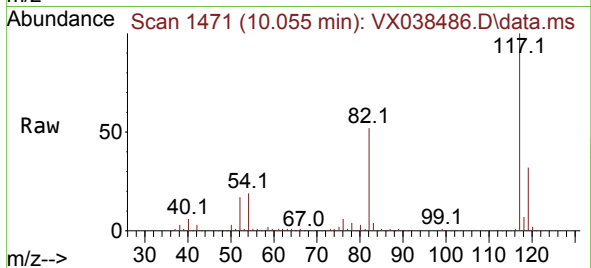
Tgt Ion:117 Resp: 295203

Ion Ratio Lower Upper

117 100

82 52.4 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. -0.000 min

Lab File: VX038486.D

Acq: 25 Oct 2023 17:39

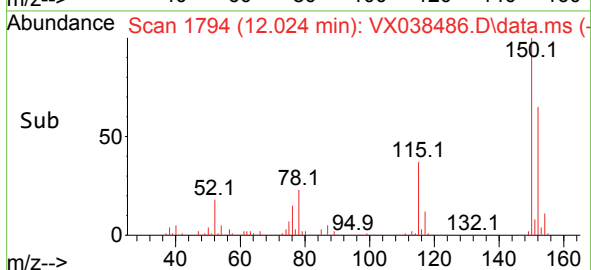
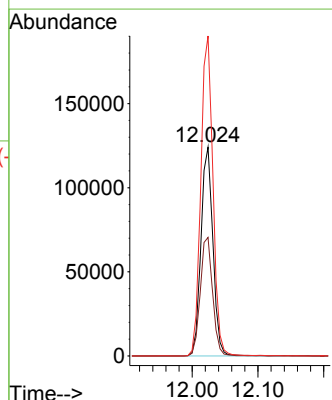
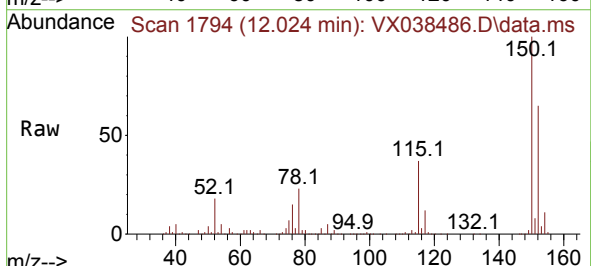
Tgt Ion:152 Resp: 157046

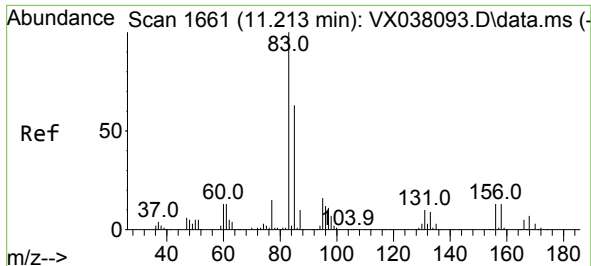
Ion Ratio Lower Upper

152 100

115 58.6 43.3 129.9

150 155.5 0.0 345.0

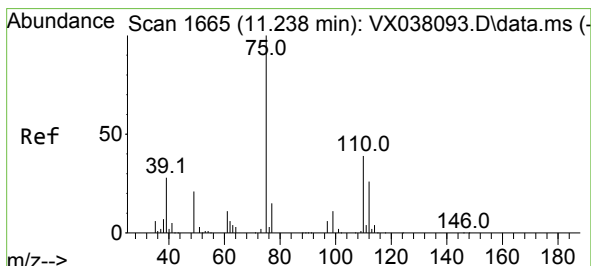
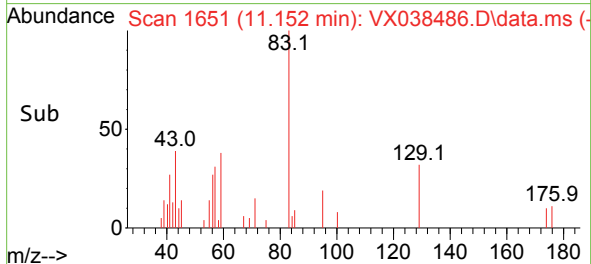
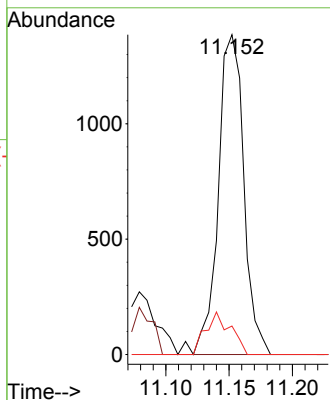
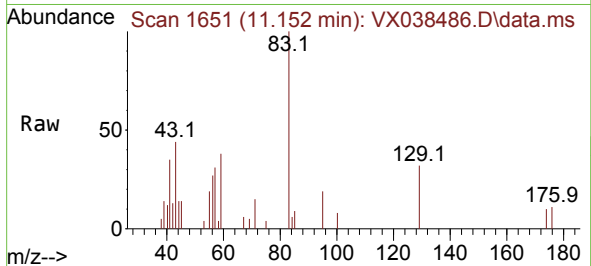




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.506 ug/l
 RT: 11.152 min Scan# 1651
 Delta R.T. -0.061 min
 Lab File: VX038486.D
 Acq: 25 Oct 2023 17:39

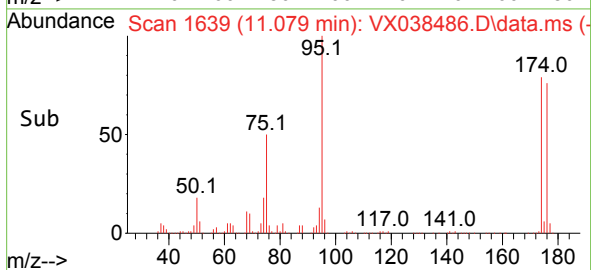
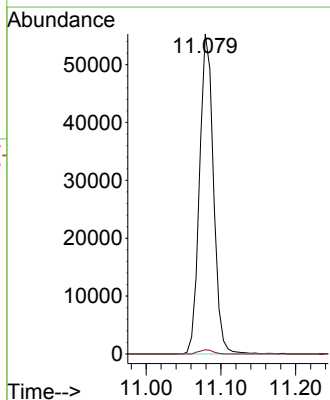
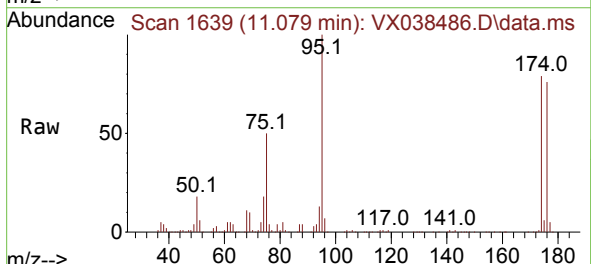
Instrument :
 MSVOA_X
 ClientSampleId :

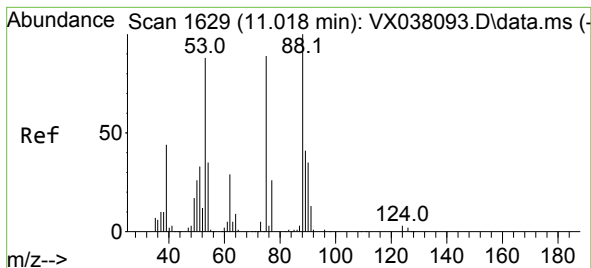
Tgt Ion: 83 Resp: 1954
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.8#
 85 12.9 32.0 96.2#



#76
 1,2,3-Trichloropropane
 Concen: 20.113 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038486.D
 Acq: 25 Oct 2023 17:39

Tgt Ion: 75 Resp: 71807
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

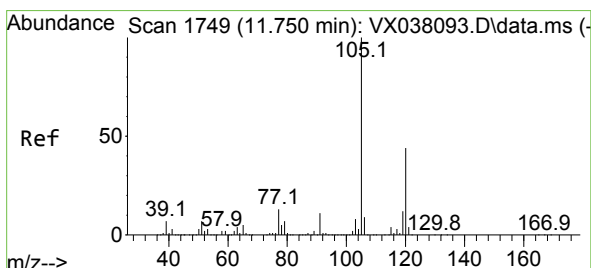
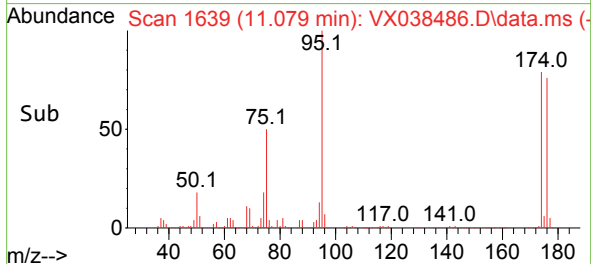
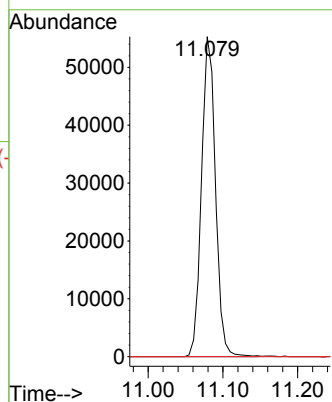
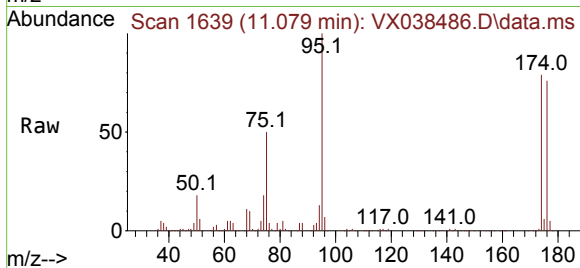




#81
trans-1,4-Dichloro-2-butene
Concen: 58.024 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

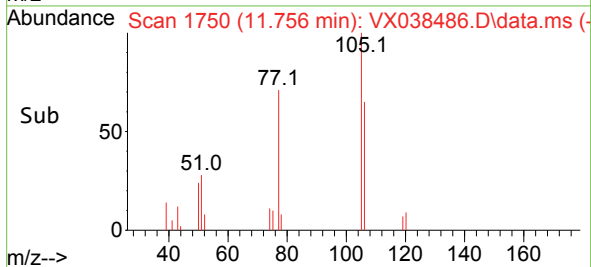
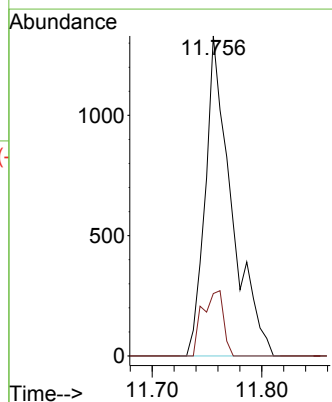
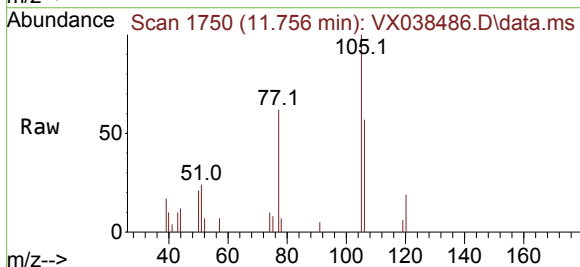
Instrument :
MSVOA_X
ClientSampleId :

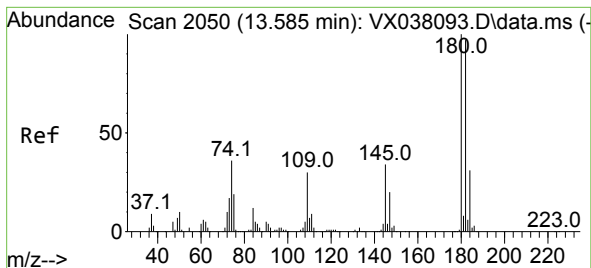
Tgt Ion: 75 Resp: 71807
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.244 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

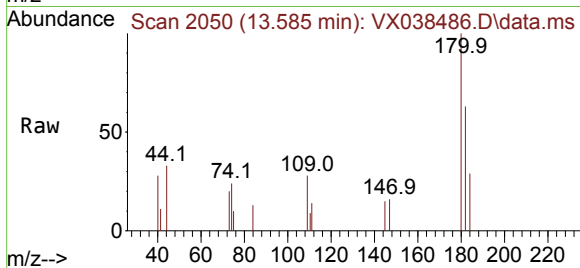
Tgt Ion: 105 Resp: 2213
Ion Ratio Lower Upper
105 100
120 16.2 21.2 63.6#



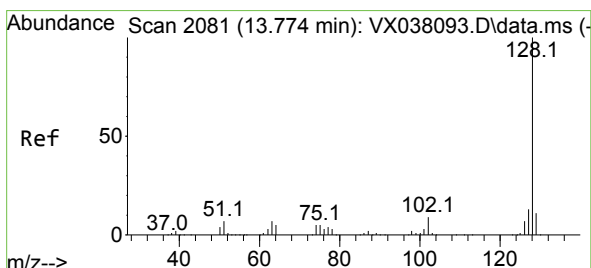
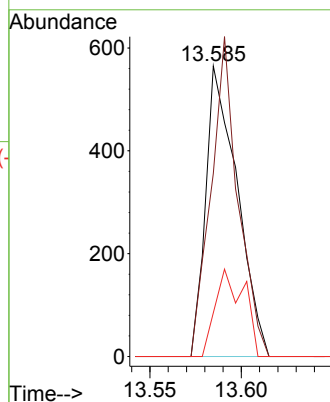
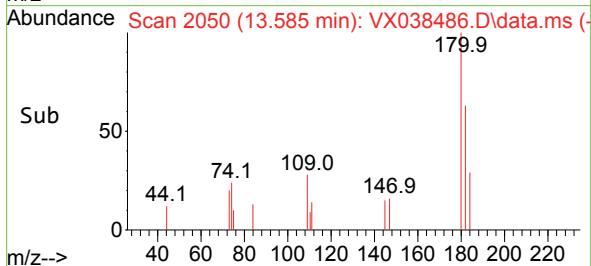


#93
1,2,4-Trichlorobenzene
Concen: 0.203 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39

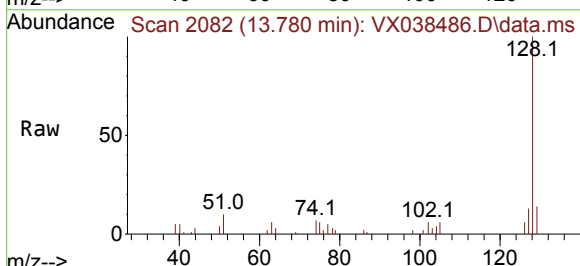
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:180 Resp: 677
Ion Ratio Lower Upper
180 100
182 94.4 48.3 144.8
145 27.3 18.0 54.0



#95
Naphthalene
Concen: 0.516 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX038486.D
Acq: 25 Oct 2023 17:39



Tgt Ion:128 Resp: 5984
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 10.8 8.8 13.2

