

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102723\
 Data File : VX038611.D
 Acq On : 27 Oct 2023 18:32
 Operator : JC/MD
 Sample : 05107-17 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 30 01:34:30 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)

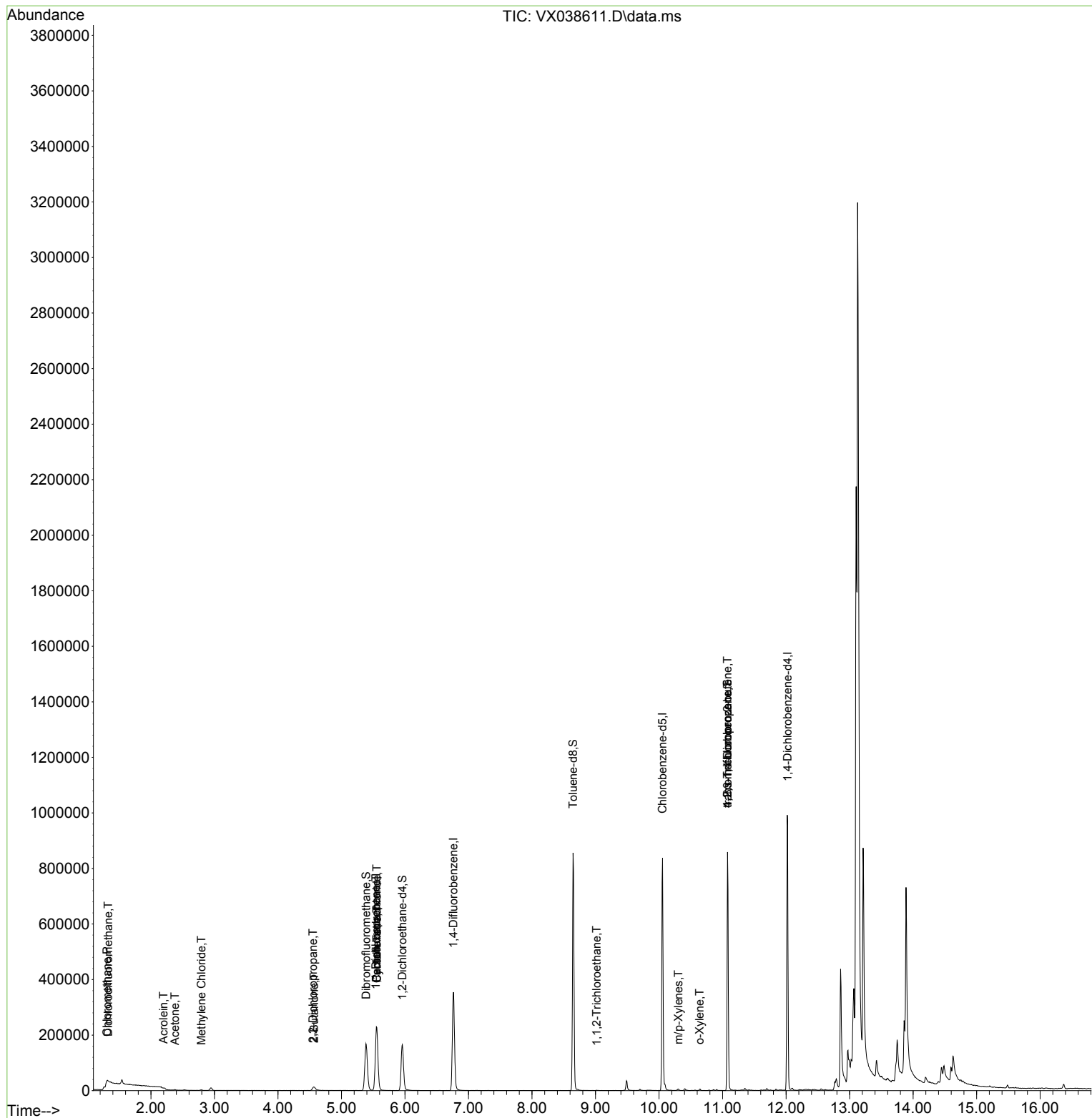
Internal Standards						
1) Pentafluorobenzene	5.550	168	234718	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	385516	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	397670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	225706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	163702	43.361	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.720%
35) Dibromofluoromethane	5.385	113	147030	52.929	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.860%
50) Toluene-d8	8.647	98	531877	50.106	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.220%
62) 4-Bromofluorobenzene	11.079	95	223607	55.565	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.120%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.325	85	745	0.329	ug/l	90
3) Chloromethane	1.307	50	1453	0.629	ug/l	# 43
5) Bromomethane	1.630	94	351	Below Cal	#	14
6) Chloroethane	1.544	64	981	Below Cal	#	54
11) Tert butyl alcohol	2.947	59	5298	Below Cal	#	89
13) Acrolein	2.197	56	136	0.253	ug/l	# 14
16) Acetone	2.380	43	2139	1.358	ug/l	99
20) Methylene Chloride	2.794	84	1186	0.400	ug/l	# 73
25) 2-Butanone	4.568	43	1314	0.517	ug/l	# 51
26) 2,2-Dichloropropane	4.550	77	1339	0.351	ug/l	# 54
31) Cyclohexane	5.556	56	4392	1.074	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	17043	4.449	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	22105	5.866	ug/l	# 15
55) 1,1,2-Trichloroethane	9.019	97	965	0.323	ug/l	# 17
68) m/p-Xylenes	10.305	106	1221	0.213	ug/l	98
69) o-Xylene	10.640	106	1259	0.225	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	113301	22.081	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	113301	63.308	ug/l	# 5

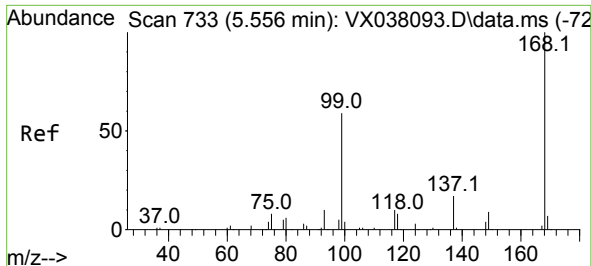
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

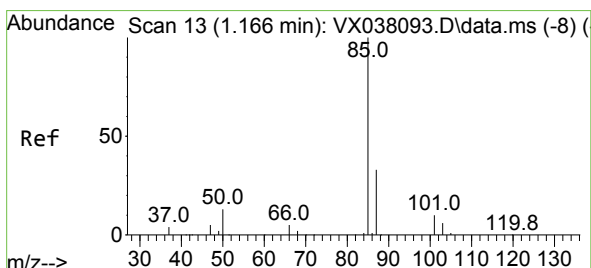
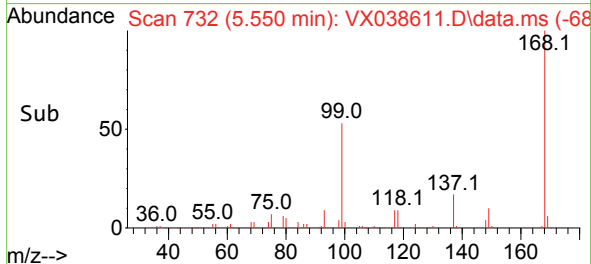
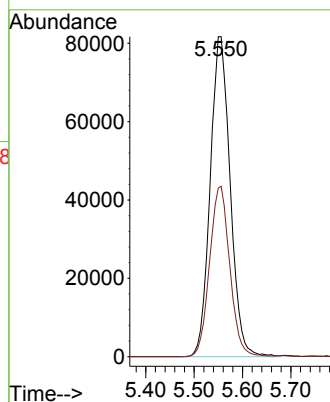
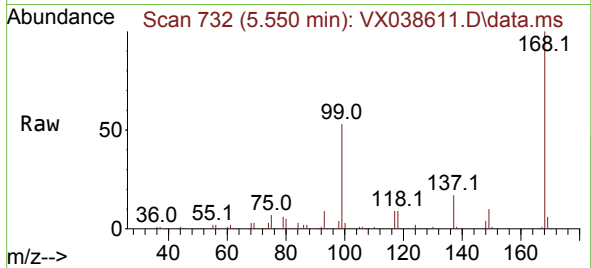




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

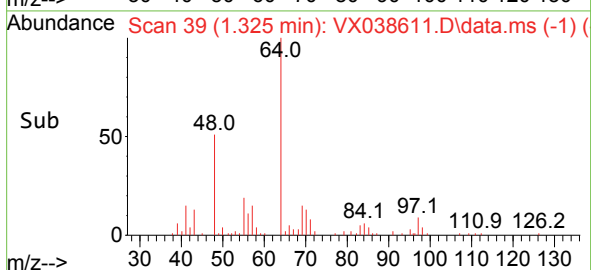
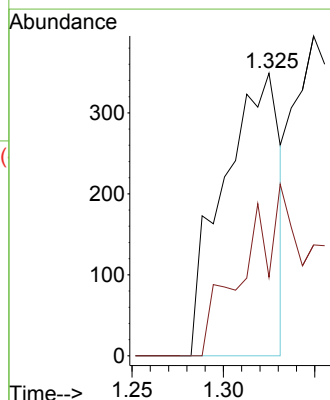
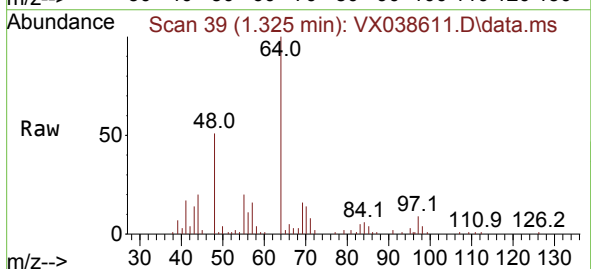
Instrument :
MSVOA_X
ClientSampleId :

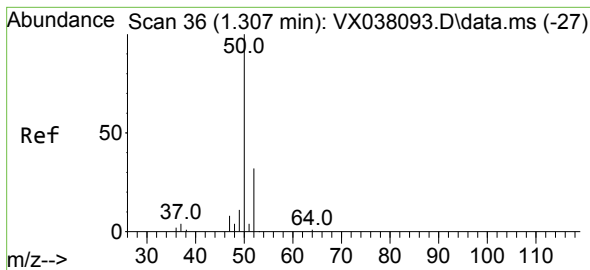
Tgt Ion:168 Resp: 234718
Ion Ratio Lower Upper
168 100
99 52.7 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.329 ug/l
RT: 1.325 min Scan# 39
Delta R.T. 0.159 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

Tgt Ion: 85 Resp: 745
Ion Ratio Lower Upper
85 100
87 27.8 16.7 50.1





#3

Chloromethane

Concen: 0.629 ug/l

RT: 1.307 min Scan# 30

Delta R.T. 0.006 min

Lab File: VX038611.D

Acq: 27 Oct 2023 18:32

Instrument :

MSVOA_X

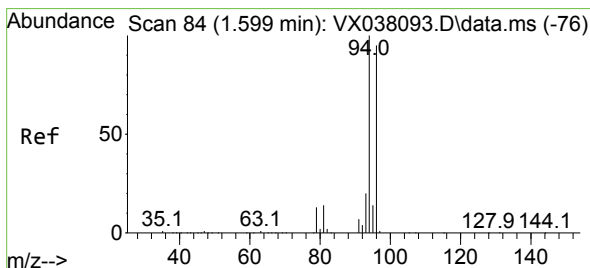
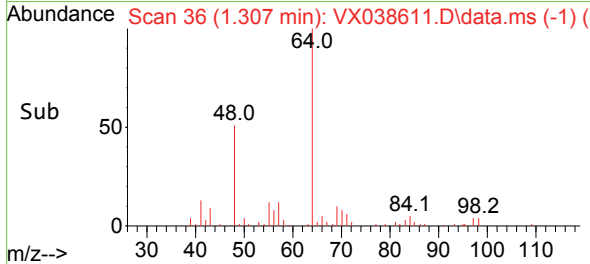
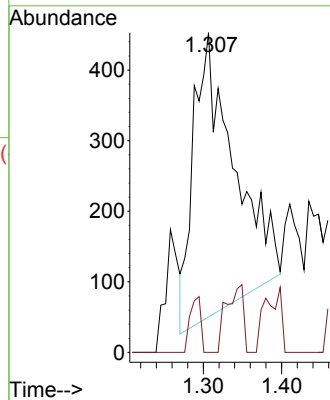
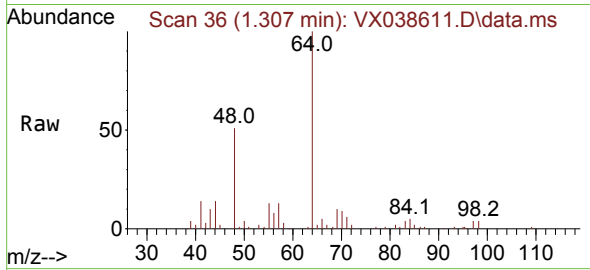
ClientSampleId :

Tgt Ion: 50 Resp: 1453

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#



#5

Bromomethane

Concen: Below Cal

RT: 1.630 min Scan# 89

Delta R.T. 0.031 min

Lab File: VX038611.D

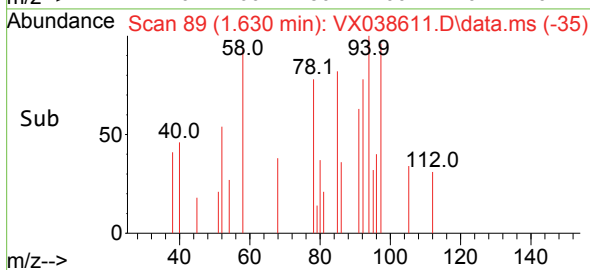
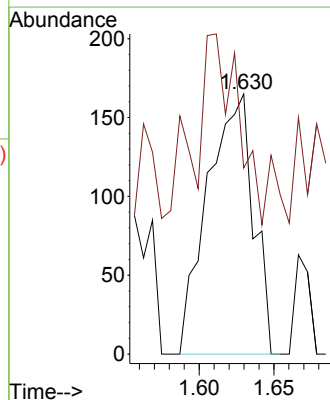
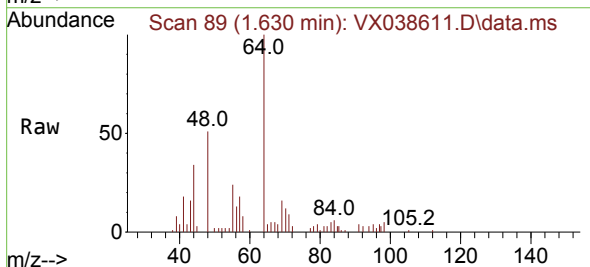
Acq: 27 Oct 2023 18:32

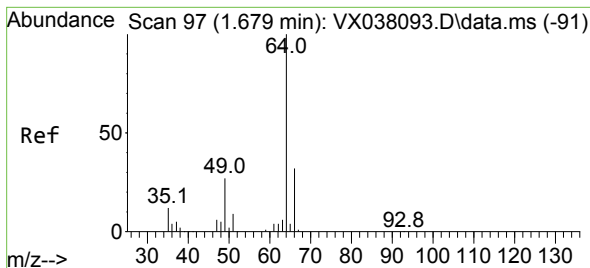
Tgt Ion: 94 Resp: 351

Ion Ratio Lower Upper

94 100

96 10.3 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.544 min Scan# 71

Delta R.T. -0.135 min

Lab File: VX038611.D

Acq: 27 Oct 2023 18:32

Instrument :

MSVOA_X

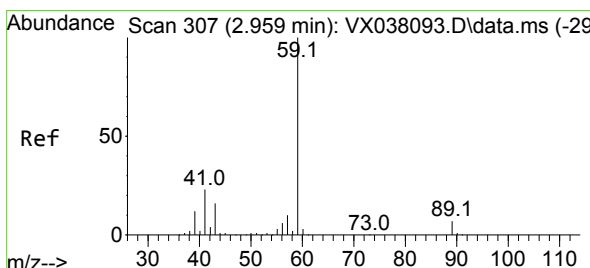
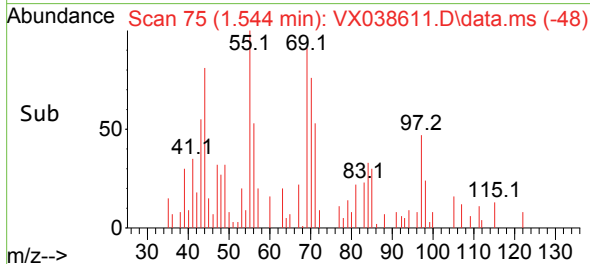
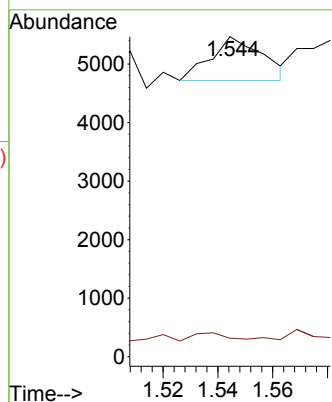
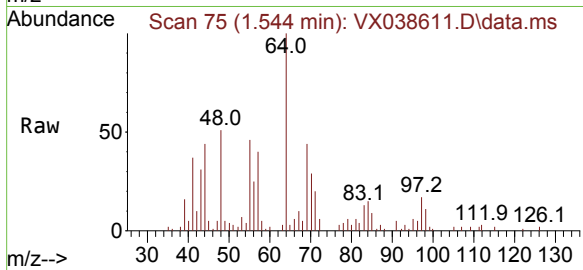
ClientSampleId :

Tgt Ion: 64 Resp: 981

Ion Ratio Lower Upper

64 100

66 6.1 25.1 37.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX038611.D

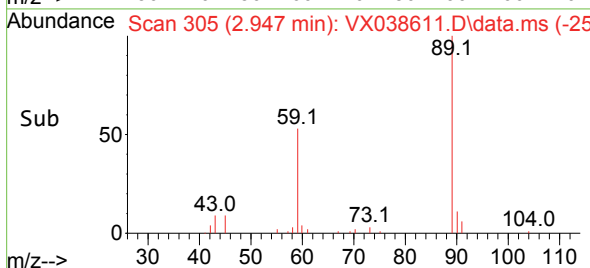
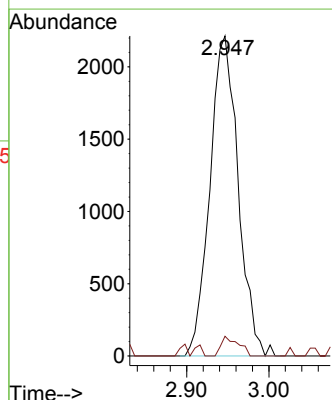
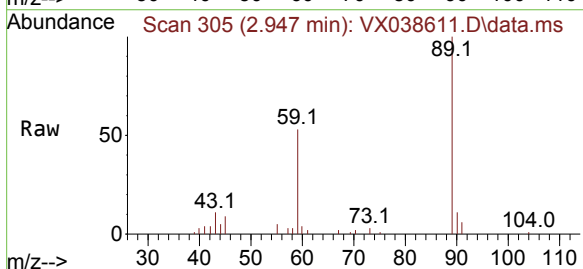
Acq: 27 Oct 2023 18:32

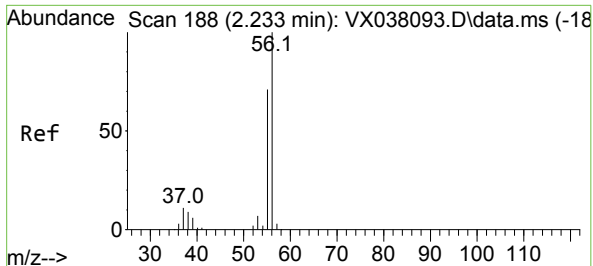
Tgt Ion: 59 Resp: 5298

Ion Ratio Lower Upper

59 100

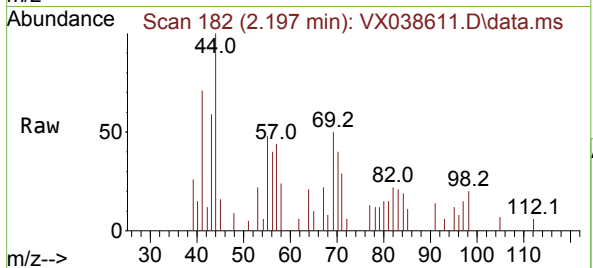
57 3.8 6.0 9.0#



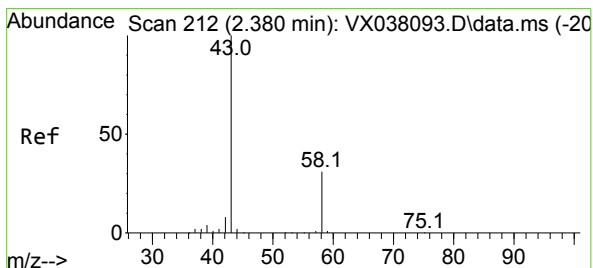
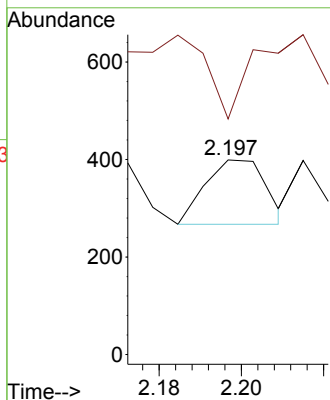
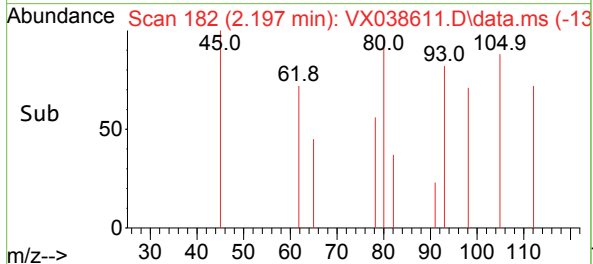


#13
Acrolein
Concen: 0.253 ug/l
RT: 2.197 min Scan# 182
Delta R.T. -0.036 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :

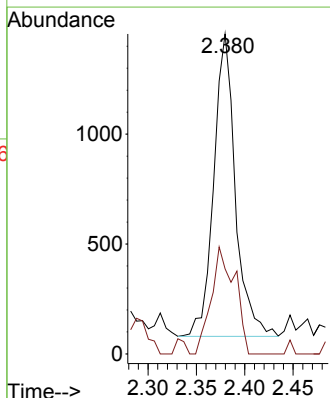
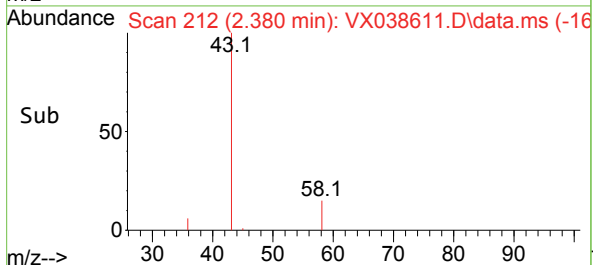
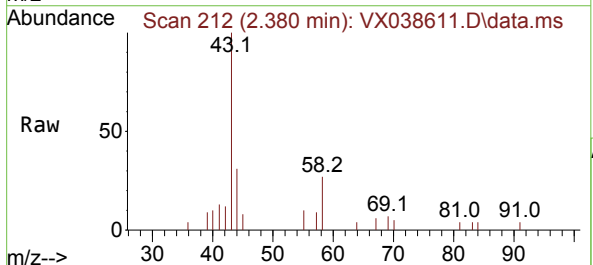


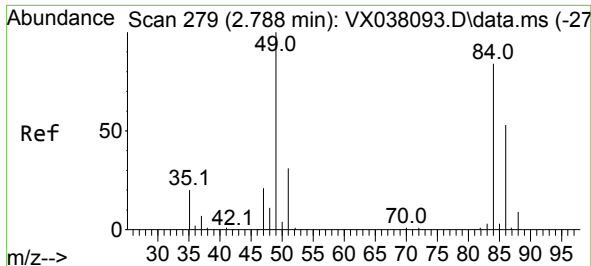
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 1.358 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

Tgt Ion: 43 Resp: 2139
Ion Ratio Lower Upper
43 100
58 28.1 21.9 32.9





#20

Methylene Chloride

Concen: 0.400 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

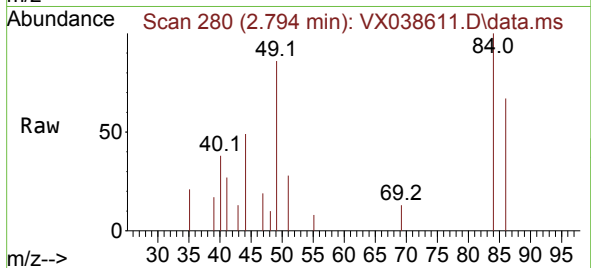
Lab File: VX038611.D

Acq: 27 Oct 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1186

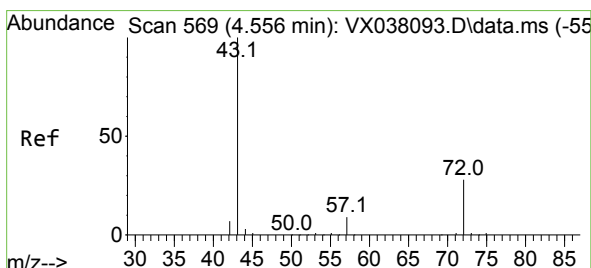
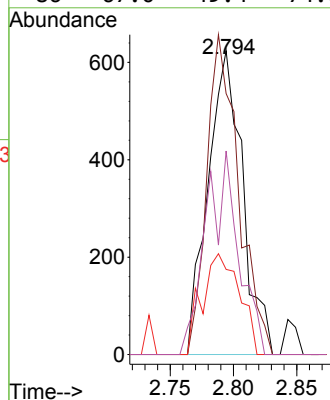
Ion Ratio Lower Upper

84 100

49 85.9 103.6 155.4#

51 28.0 33.8 50.6#

86 67.0 49.4 74.0



#25

2-Butanone

Concen: 0.517 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX038611.D

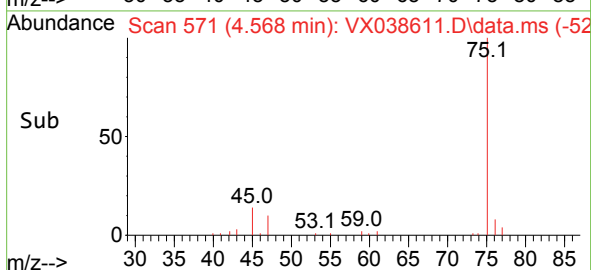
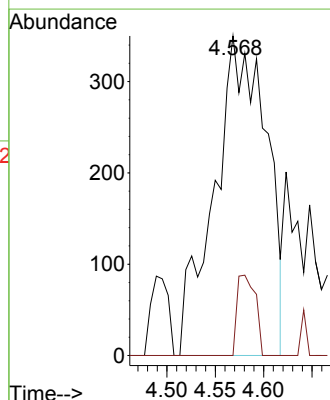
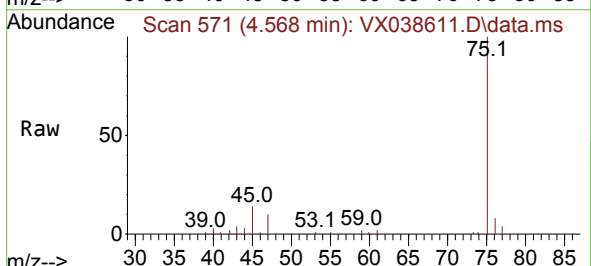
Acq: 27 Oct 2023 18:32

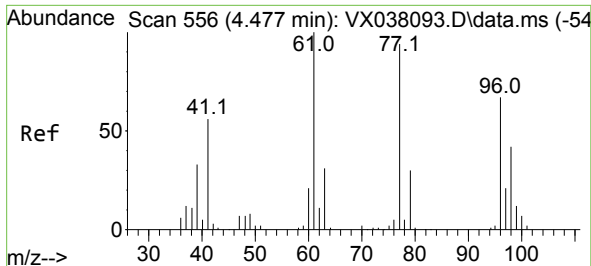
Tgt Ion: 43 Resp: 1314

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#

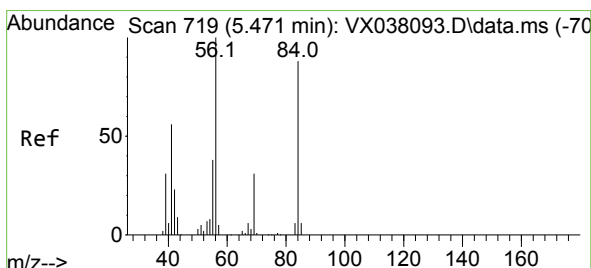
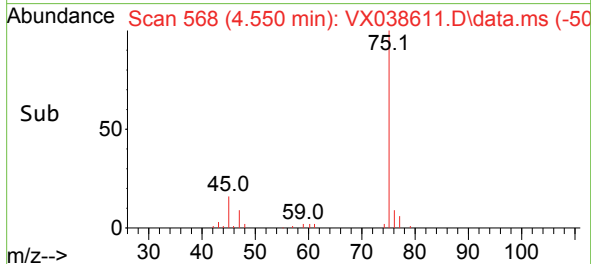
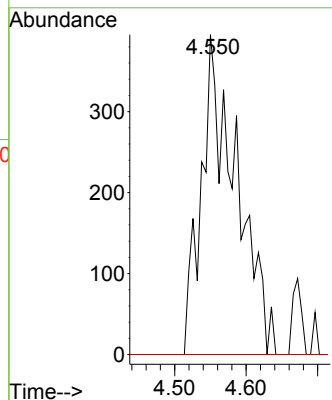
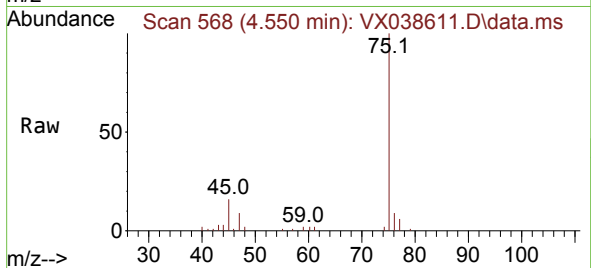




#26
2,2-Dichloropropane
Concen: 0.351 ug/l
RT: 4.550 min Scan# 51
Delta R.T. 0.073 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

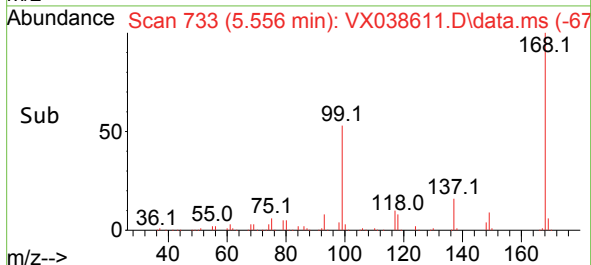
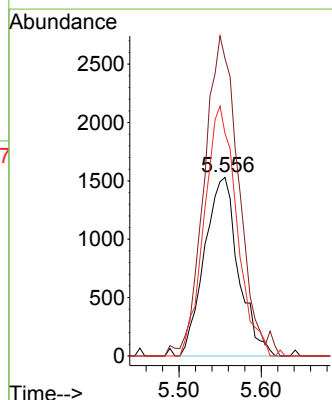
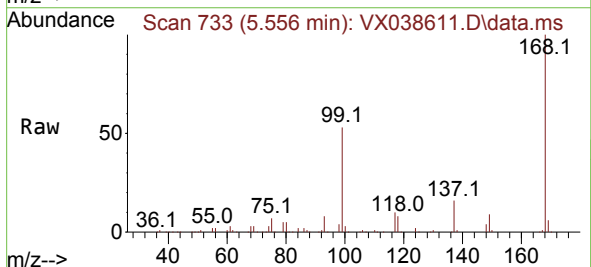
Instrument :
MSVOA_X
ClientSampleId :

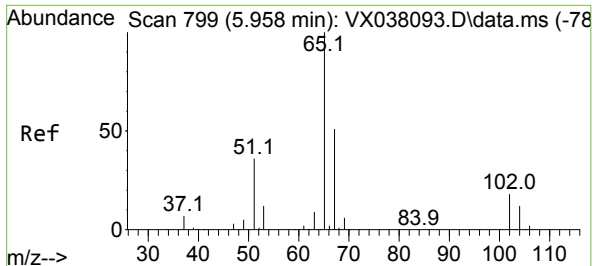
Tgt Ion: 77 Resp: 1339
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#31
Cyclohexane
Concen: 1.074 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

Tgt Ion: 56 Resp: 4392
Ion Ratio Lower Upper
56 100
69 166.5 23.4 35.2#
84 124.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.361 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038611.D

Acq: 27 Oct 2023 18:32

Instrument :

MSVOA_X

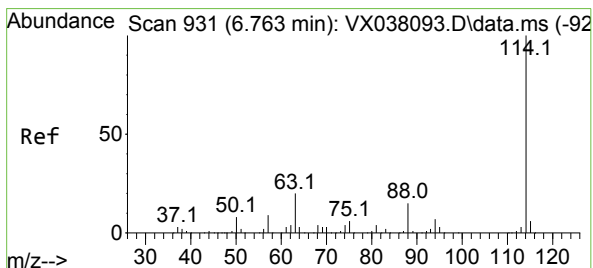
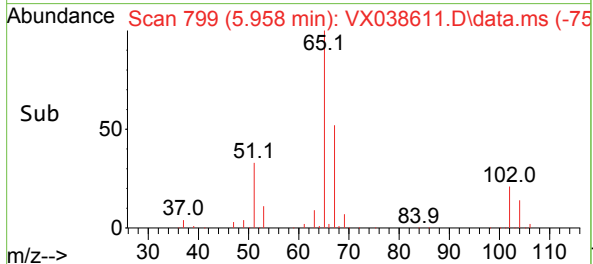
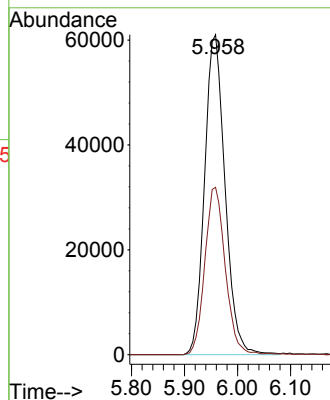
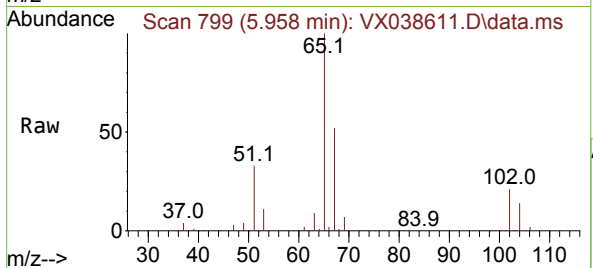
ClientSampleId :

Tgt Ion: 65 Resp: 163702

Ion Ratio Lower Upper

65 100

67 52.1 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: VX038611.D

Acq: 27 Oct 2023 18:32

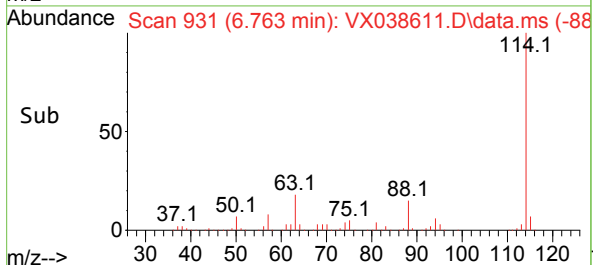
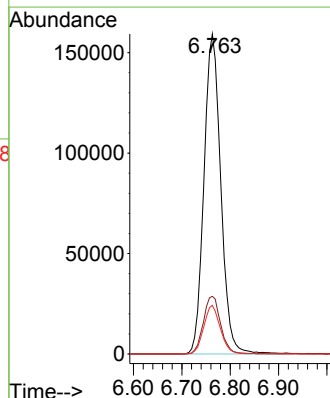
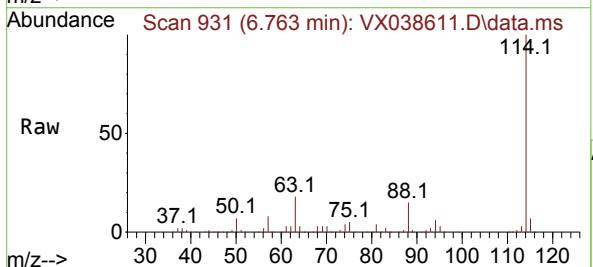
Tgt Ion: 114 Resp: 385516

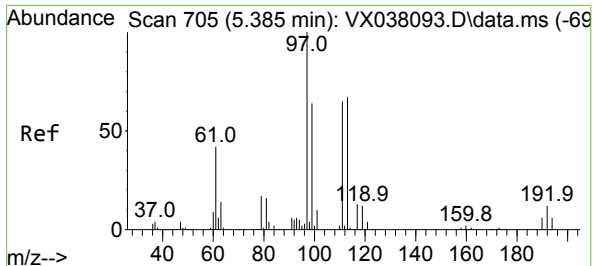
Ion Ratio Lower Upper

114 100

63 18.0 0.0 45.0

88 15.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 52.929 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

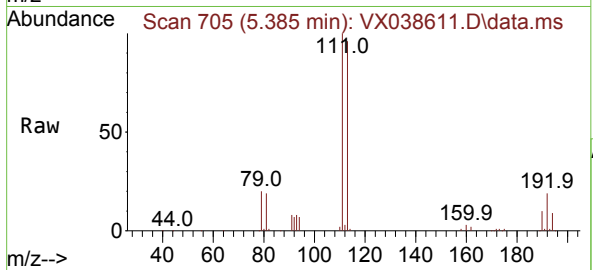
Lab File: VX038611.D

Acq: 27 Oct 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :



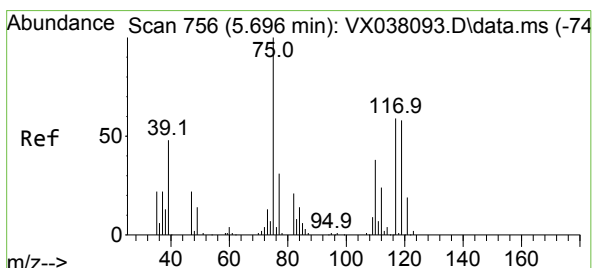
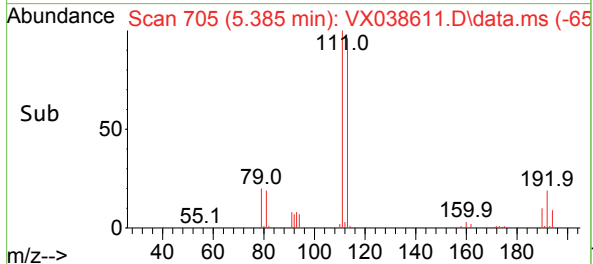
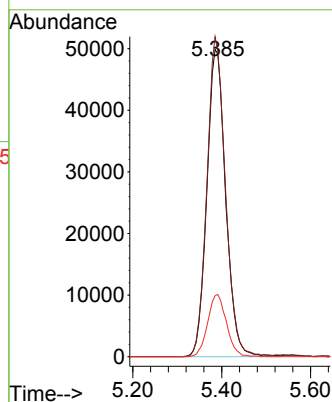
Tgt Ion:113 Resp: 147030

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 20.3 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX038611.D

Acq: 27 Oct 2023 18:32

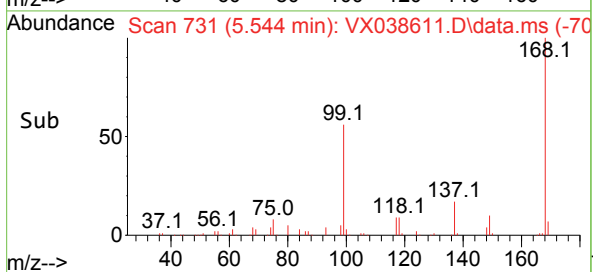
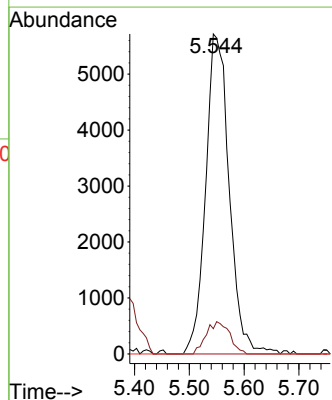
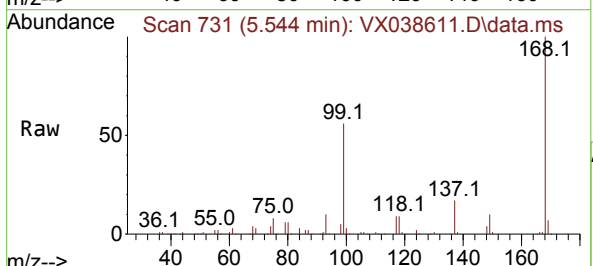
Tgt Ion: 75 Resp: 17043

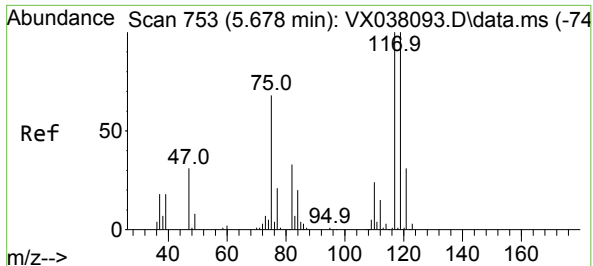
Ion Ratio Lower Upper

75 100

110 10.0 17.0 50.9#

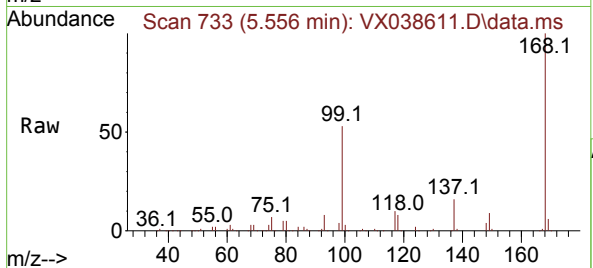
77 0.0 24.7 37.1#



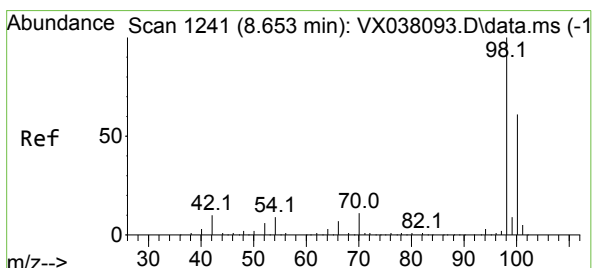
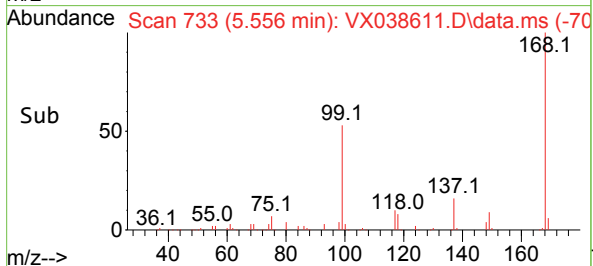
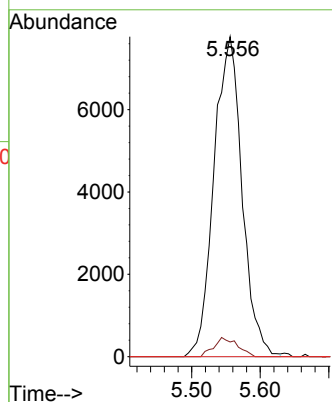


#38
Carbon Tetrachloride
Concen: 5.866 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :

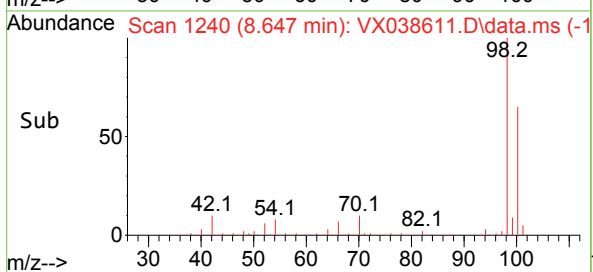
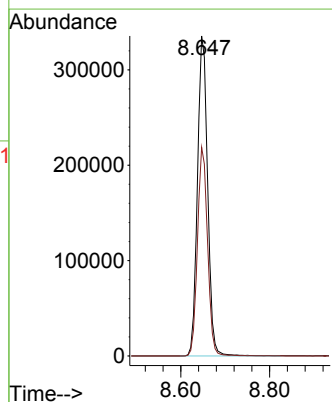
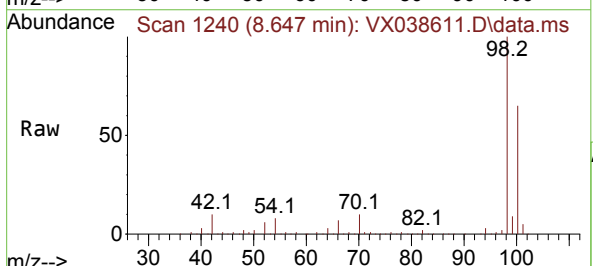


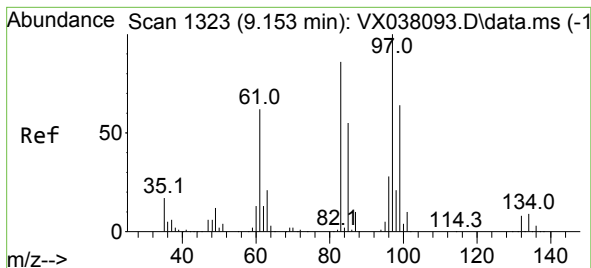
Tgt Ion:117 Resp: 22105
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.106 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

Tgt Ion: 98 Resp: 531877
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7





#55

1,1,2-Trichloroethane

Concen: 0.323 ug/l

RT: 9.019 min Scan# 11

Delta R.T. -0.134 min

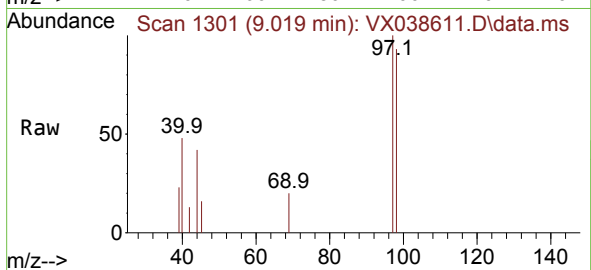
Lab File: VX038611.D

Acq: 27 Oct 2023 18:32

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 965

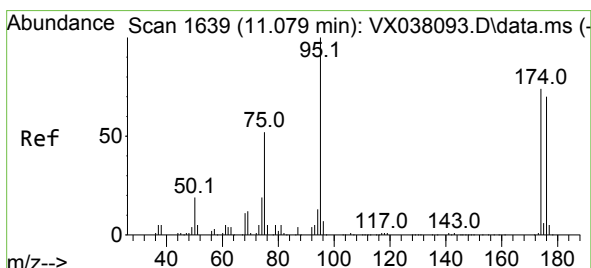
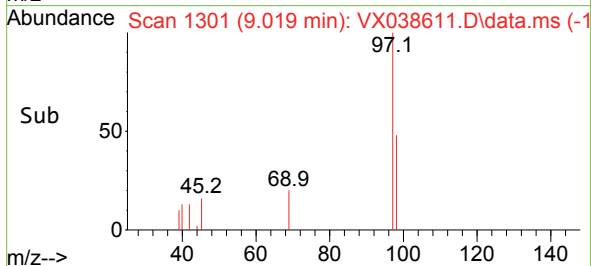
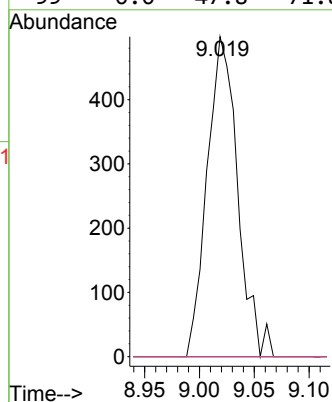
Ion Ratio Lower Upper

97 100

83 0.0 65.8 98.8#

85 0.0 41.6 62.4#

99 0.0 47.8 71.8#



#62

4-Bromofluorobenzene

Concen: 55.565 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX038611.D

Acq: 27 Oct 2023 18:32

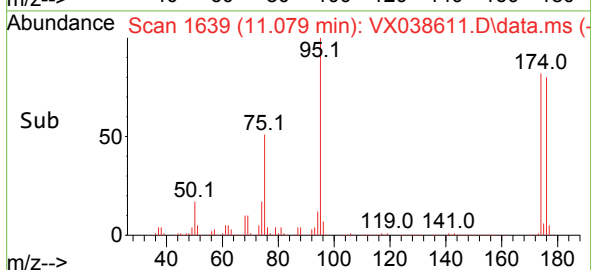
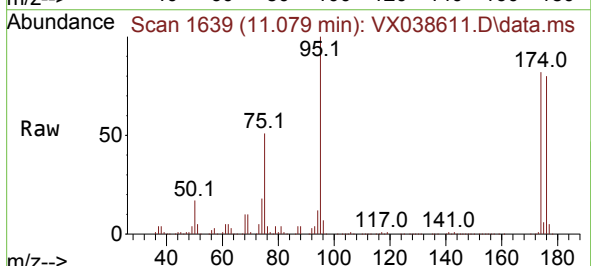
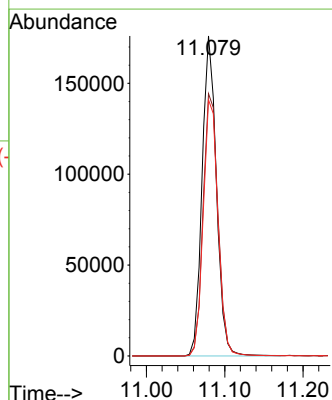
Tgt Ion: 95 Resp: 223607

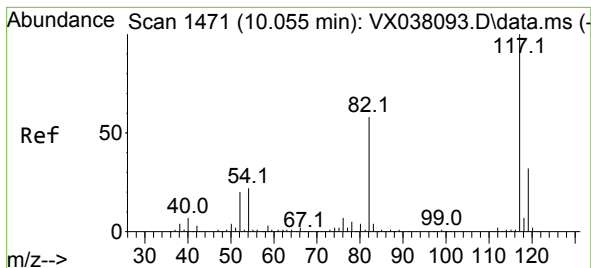
Ion Ratio Lower Upper

95 100

174 85.7 0.0 135.6

176 82.9 0.0 131.0

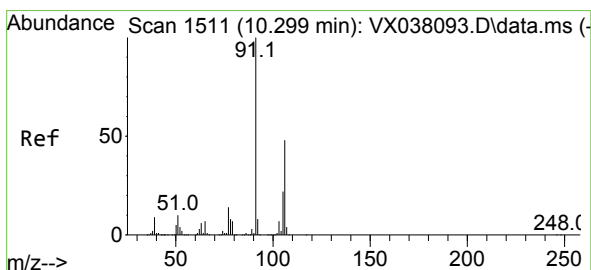
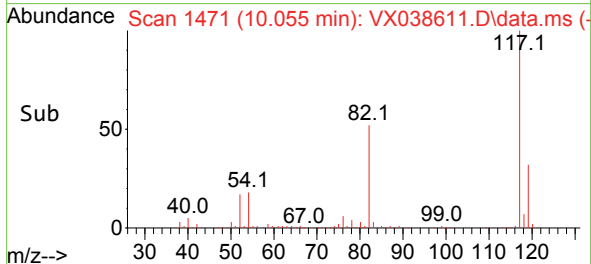
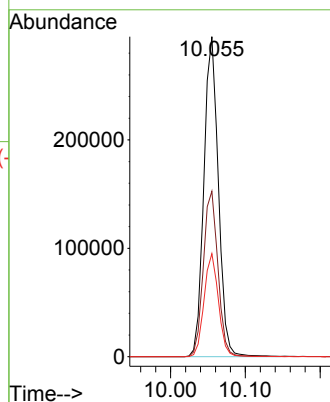
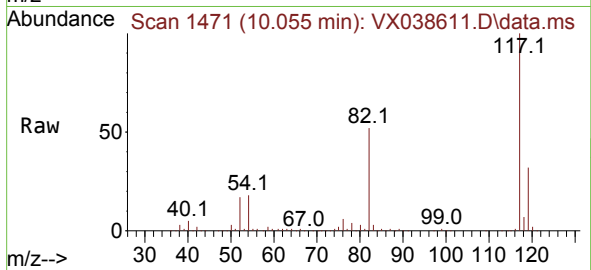




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

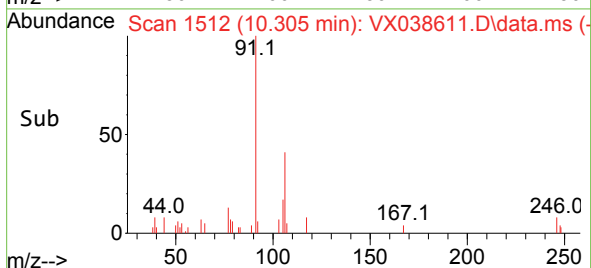
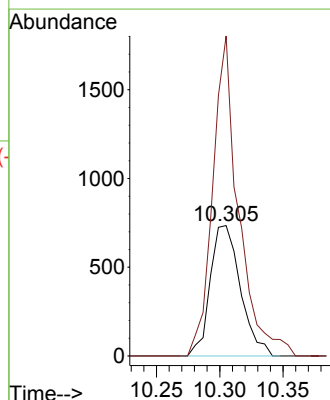
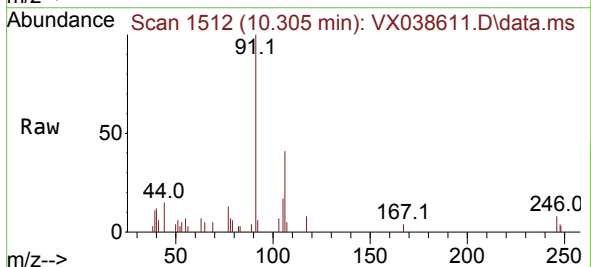
Instrument :
MSVOA_X
ClientSampleId :

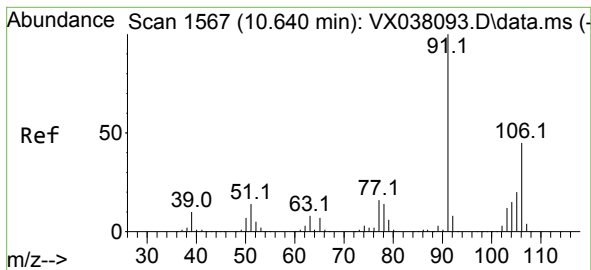
Tgt Ion:117 Resp: 397670
Ion Ratio Lower Upper
117 100
82 51.7 46.2 69.4
119 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 0.213 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

Tgt Ion:106 Resp: 1221
Ion Ratio Lower Upper
106 100
91 209.8 165.5 248.3





#69

o-Xylene

Concen: 0.225 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038611.D

Acq: 27 Oct 2023 18:32

Instrument :

MSVOA_X

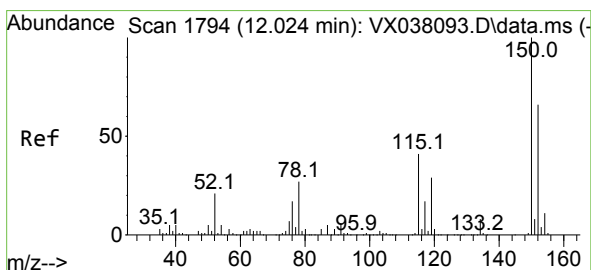
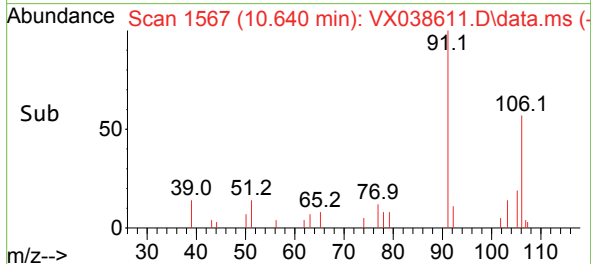
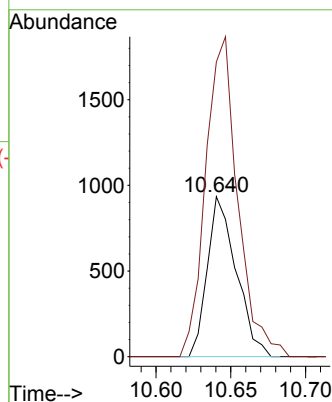
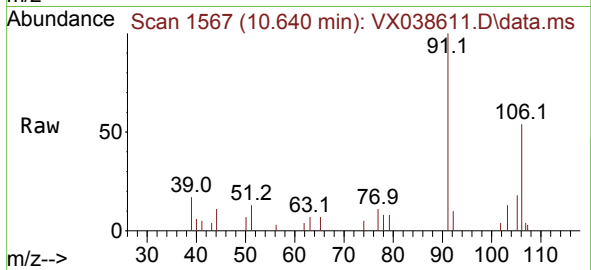
ClientSampleId :

Tgt Ion:106 Resp: 1259

Ion Ratio Lower Upper

106 100

91 221.9 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038611.D

Acq: 27 Oct 2023 18:32

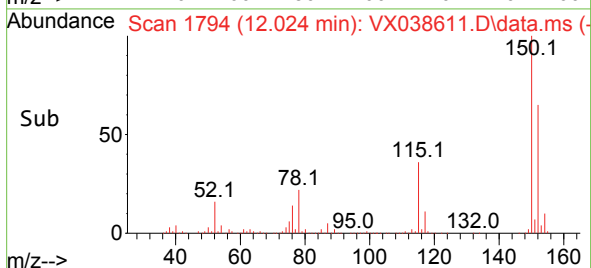
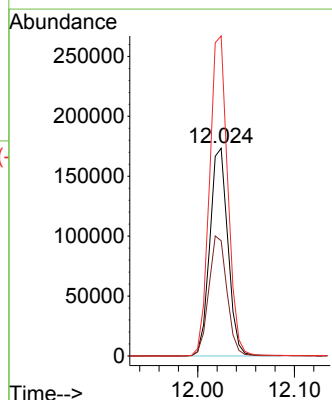
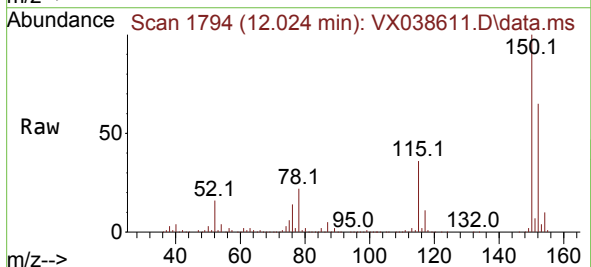
Tgt Ion:152 Resp: 225706

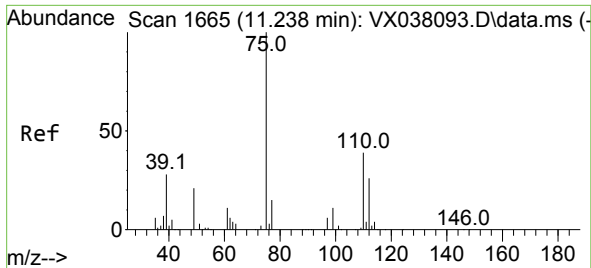
Ion Ratio Lower Upper

152 100

115 58.2 43.3 129.9

150 155.6 0.0 345.0

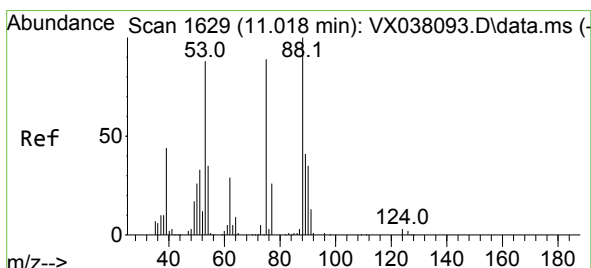
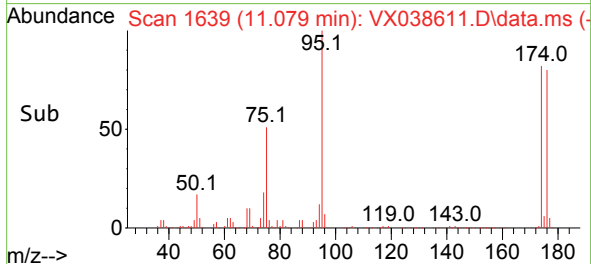
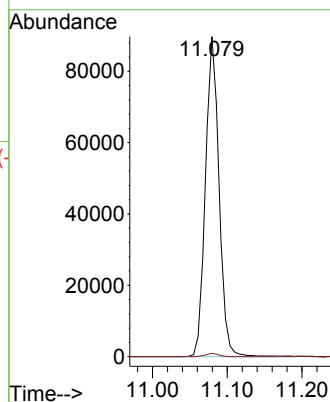
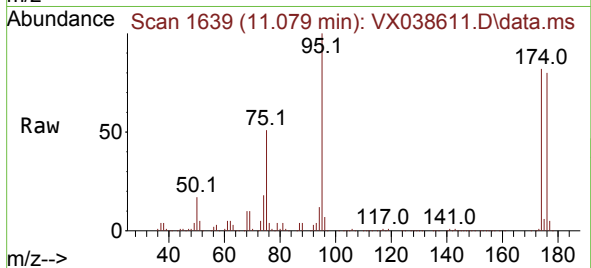




#76
1,2,3-Trichloropropane
Concen: 22.081 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 113301
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.308 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038611.D
Acq: 27 Oct 2023 18:32

Tgt Ion: 75 Resp: 113301
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

