

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111823\
 Data File : VX038925.D
 Acq On : 18 Nov 2023 13:59
 Operator : JC/MD
 Sample : 05404-09DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 20 04:34:34 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)

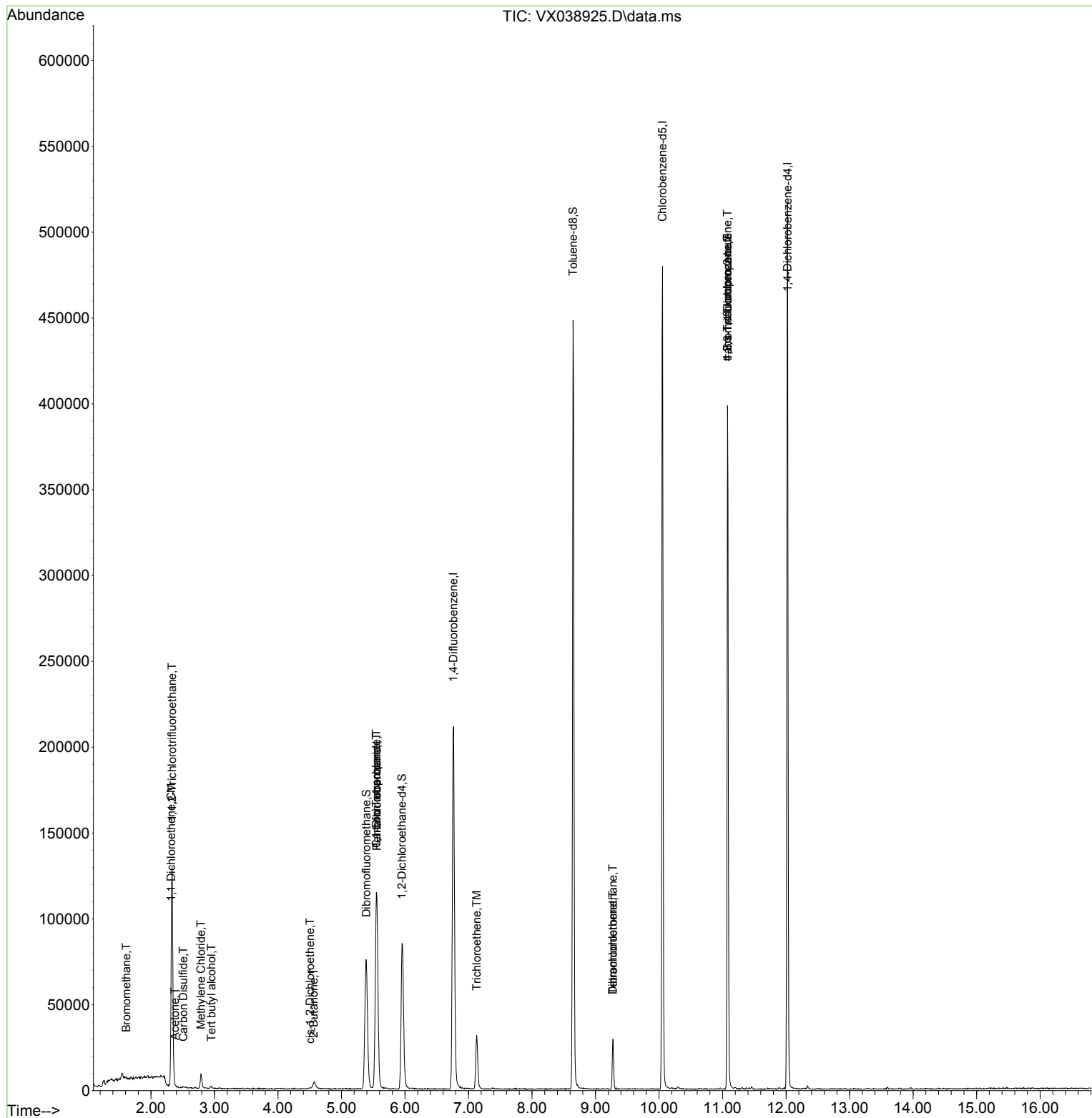
Internal Standards						
1) Pentafluorobenzene	5.556	168	104621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	211825	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83550	49.561	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.120%
35) Dibromofluoromethane	5.391	113	67614	44.196	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.400%
50) Toluene-d8	8.647	98	265491	45.358	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.720%#
62) 4-Bromofluorobenzene	11.079	95	112995	48.224	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.440%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	127	0.200	ug/l #	58
9) 1,1,2-Trichlorotrifluo...	2.331	101	50372	39.000	ug/l	98
11) Tert butyl alcohol	2.953	59	690	1.472	ug/l #	82
12) 1,1-Dichloroethene	2.319	96	593	0.455	ug/l #	39
16) Acetone	2.380	43	769	0.857	ug/l #	85
17) Carbon Disulfide	2.508	76	866	0.214	ug/l #	86
20) Methylene Chloride	2.788	84	3805	2.352	ug/l	95
25) 2-Butanone	4.562	43	386	0.265	ug/l #	51
27) cis-1,2-Dichloroethene	4.507	96	355	0.212	ug/l	71
36) 1,1-Dichloropropene	5.550	75	9842	4.489	ug/l #	48
38) Carbon Tetrachloride	5.550	117	11483	5.666	ug/l #	14
44) Trichloroethene	7.129	130	11523	7.300	ug/l	96
60) Dibromochloromethane	9.275	129	5327	3.120	ug/l #	11
64) Tetrachloroethene	9.275	164	4928	3.709	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	59043	22.915	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59043	50.827	ug/l #	5

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

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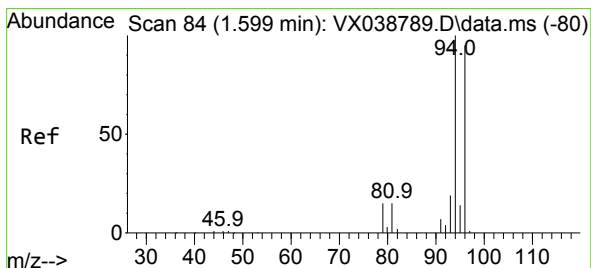
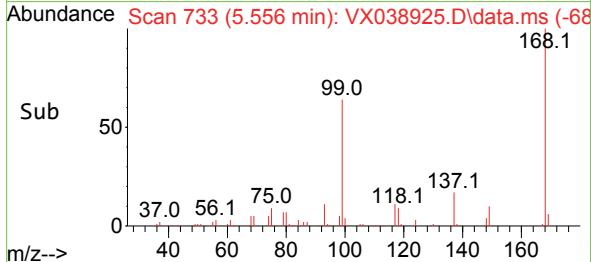
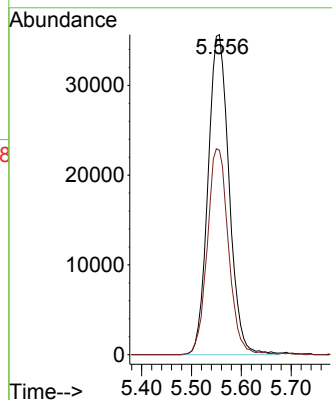
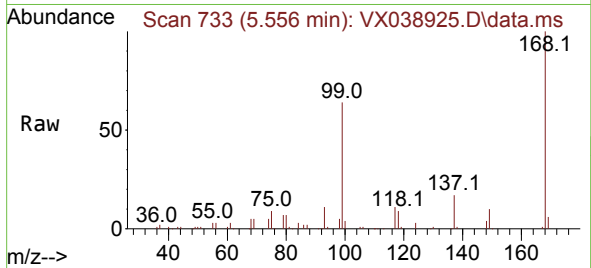




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

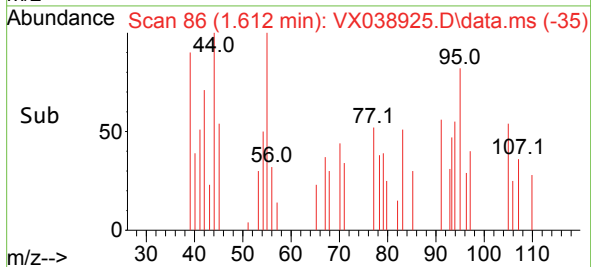
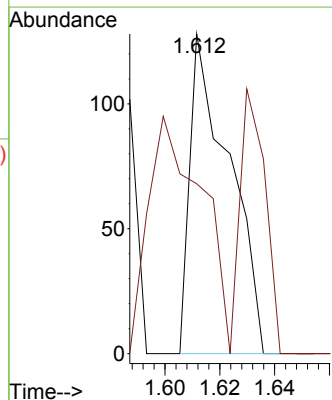
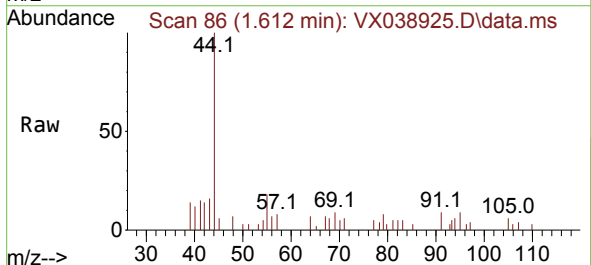
Instrument :
MSVOA_X
ClientSampleId :

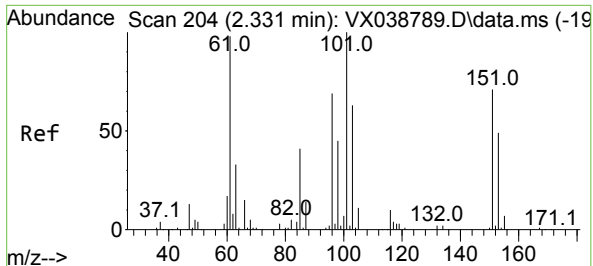
Tgt Ion:168 Resp: 104621
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#5
Bromomethane
Concen: 0.200 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Tgt Ion: 94 Resp: 127
Ion Ratio Lower Upper
94 100
96 53.1 74.6 111.8#

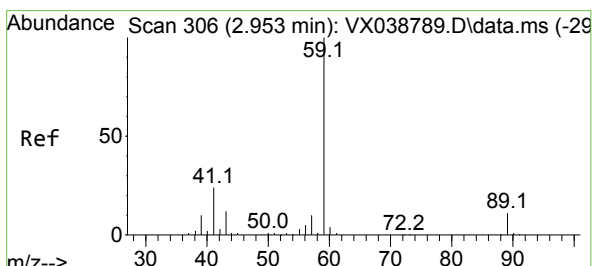
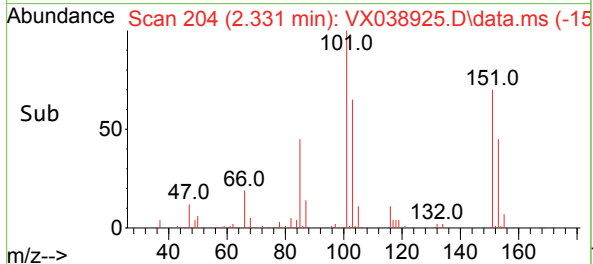
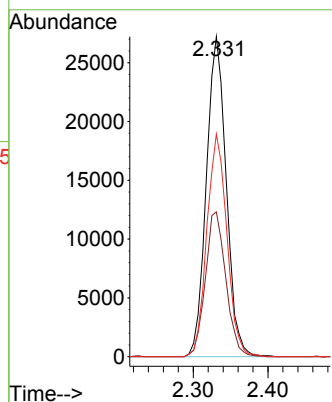
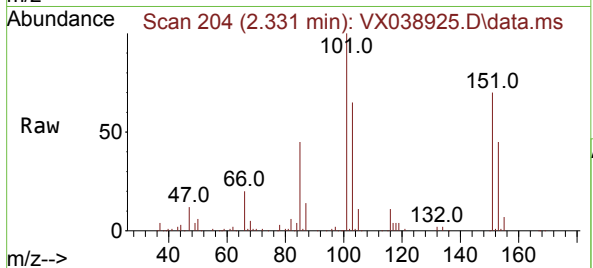




#9
1,1,2-Trichlorotrifluoroethane
Concen: 39.000 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

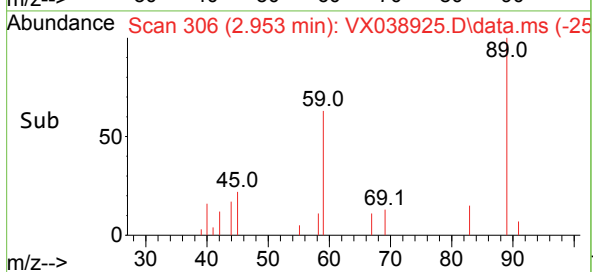
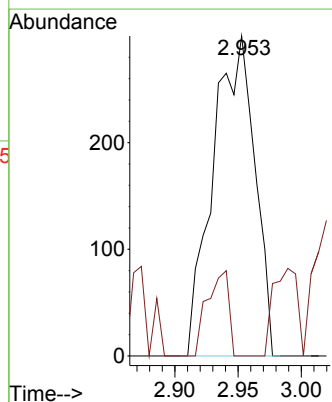
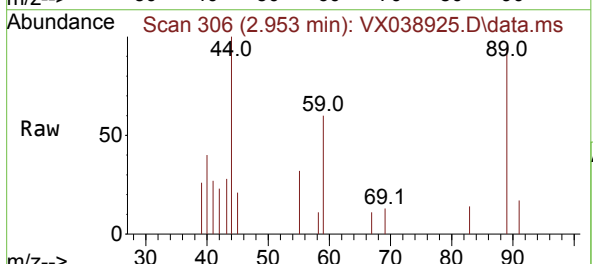
Instrument :
MSVOA_X
ClientSampleId :

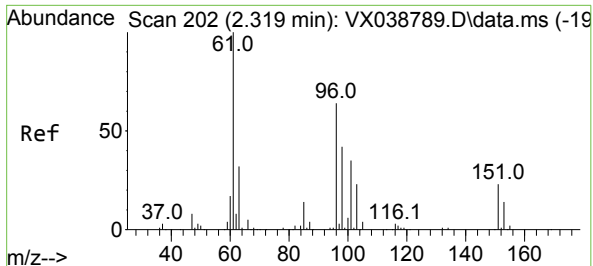
Tgt Ion:101 Resp: 50372
Ion Ratio Lower Upper
101 100
85 46.7 37.0 55.6
151 70.1 58.6 87.8



#11
Tert butyl alcohol
Concen: 1.472 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Tgt Ion: 59 Resp: 690
Ion Ratio Lower Upper
59 100
57 13.6 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.455 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

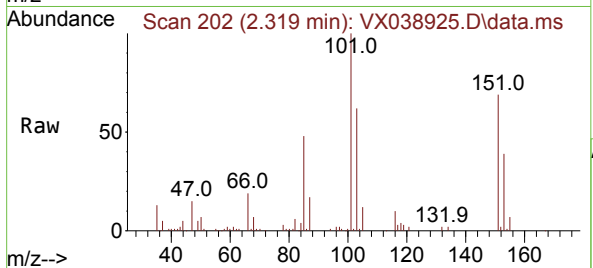
Lab File: VX038925.D

Acq: 18 Nov 2023 13:59

Instrument :

MSVOA_X

ClientSampleId :



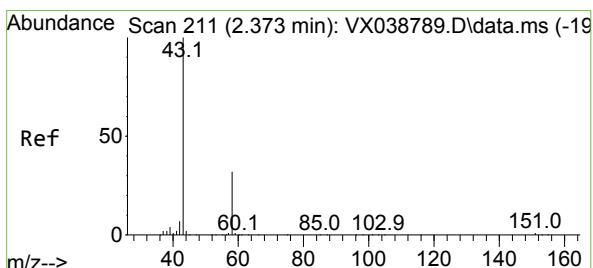
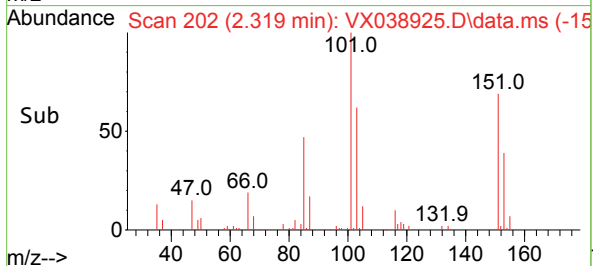
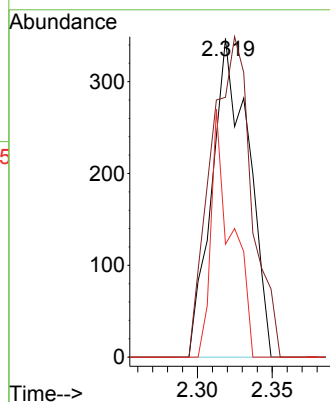
Tgt Ion: 96 Resp: 593

Ion Ratio Lower Upper

96 100

61 81.6 144.6 216.8#

98 35.4 50.4 75.6#



#16

Acetone

Concen: 0.857 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX038925.D

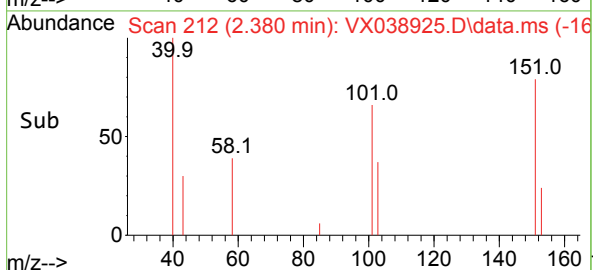
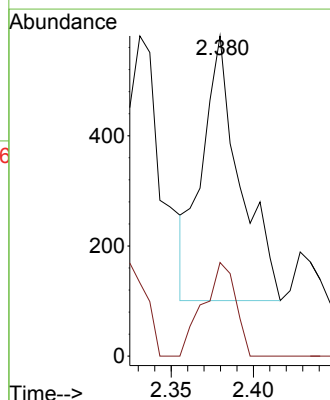
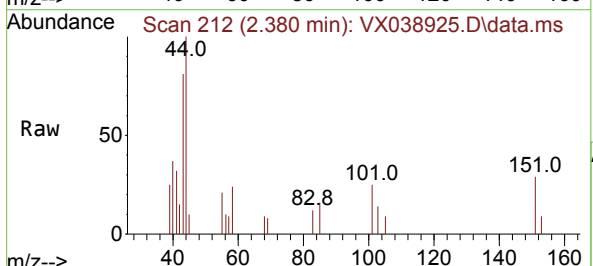
Acq: 18 Nov 2023 13:59

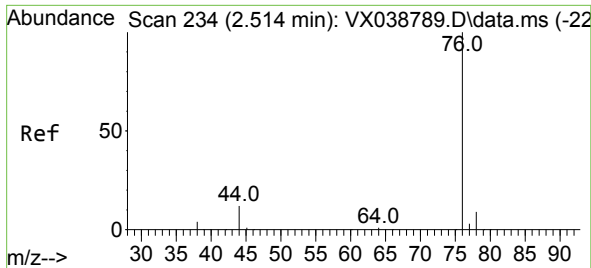
Tgt Ion: 43 Resp: 769

Ion Ratio Lower Upper

43 100

58 35.4 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.214 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX038925.D

Acq: 18 Nov 2023 13:59

Instrument :

MSVOA_X

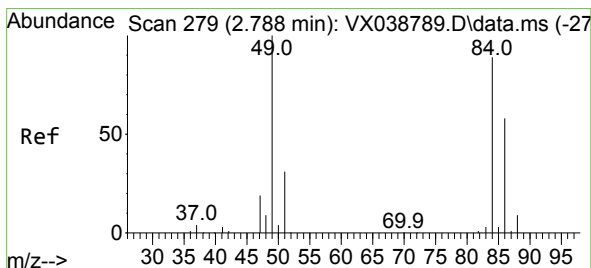
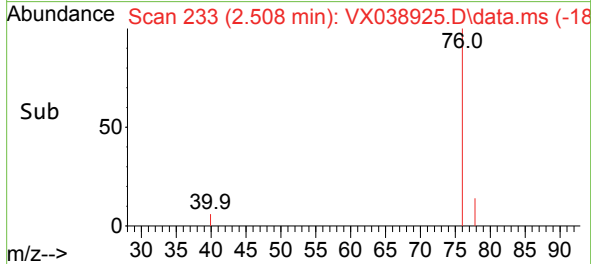
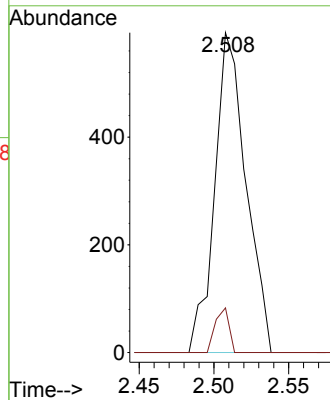
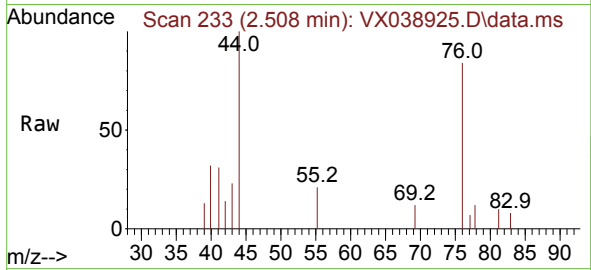
ClientSampleId :

Tgt Ion: 76 Resp: 866

Ion Ratio Lower Upper

76 100

78 14.0 7.0 10.6#



#20

Methylene Chloride

Concen: 2.352 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX038925.D

Acq: 18 Nov 2023 13:59

Tgt Ion: 84 Resp: 3805

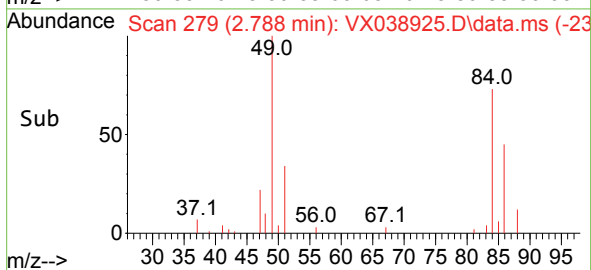
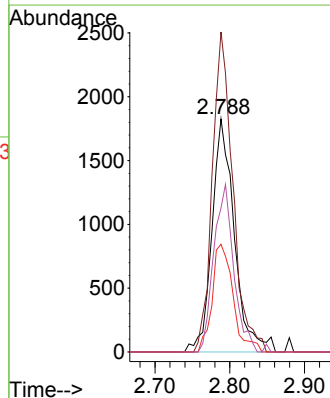
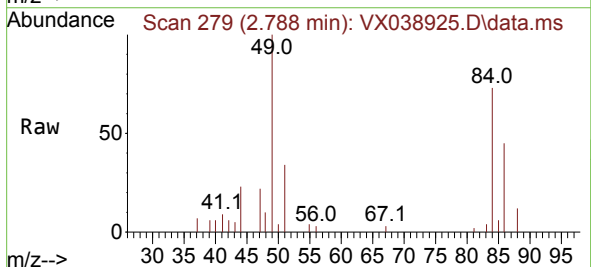
Ion Ratio Lower Upper

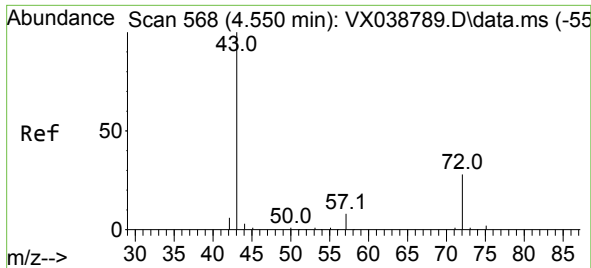
84 100

49 137.3 103.6 155.4

51 46.2 33.8 50.6

86 61.8 49.4 74.0

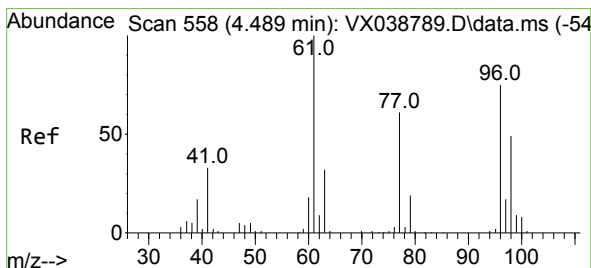
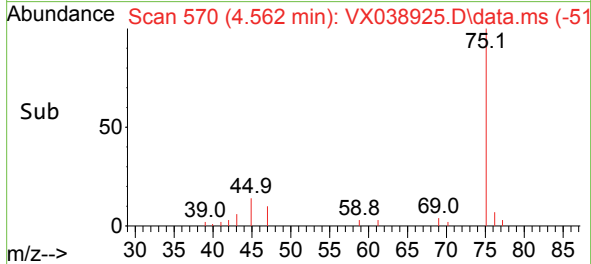
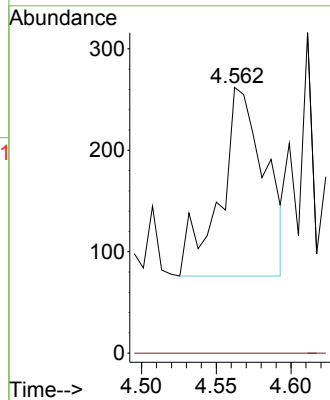
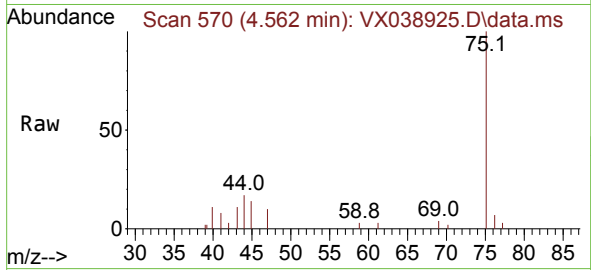




#25
2-Butanone
Concen: 0.265 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

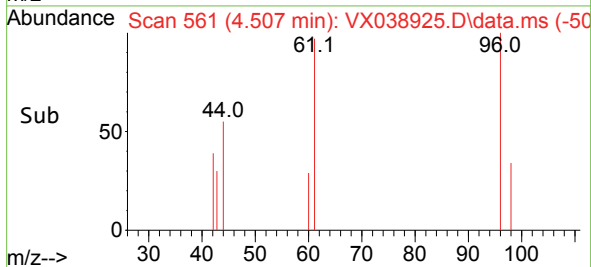
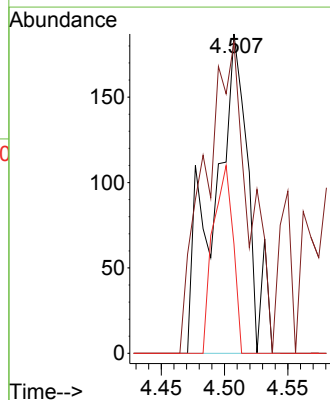
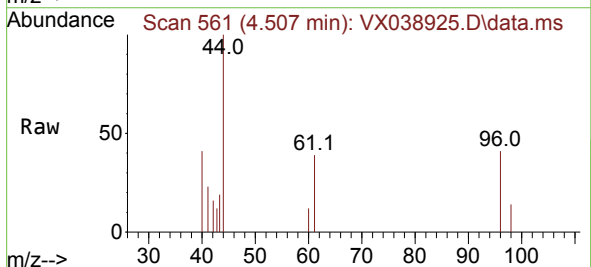
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.212 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.018 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Tgt Ion: 96 Resp: 355
Ion Ratio Lower Upper
96 100
61 123.7 0.0 312.2
98 34.1 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 49.561 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038925.D

Acq: 18 Nov 2023 13:59

Instrument :

MSVOA_X

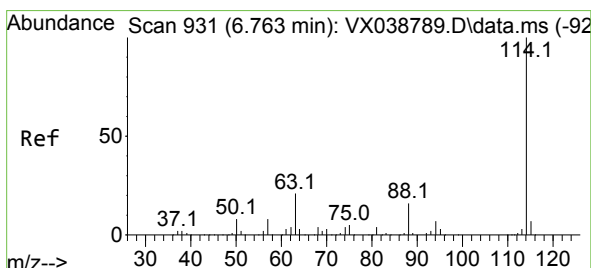
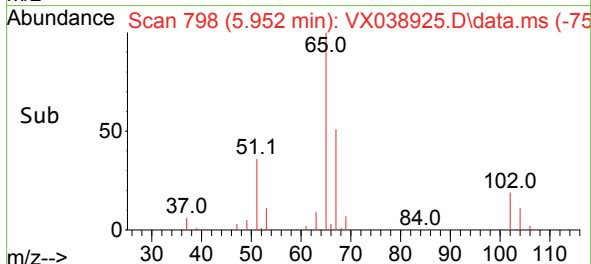
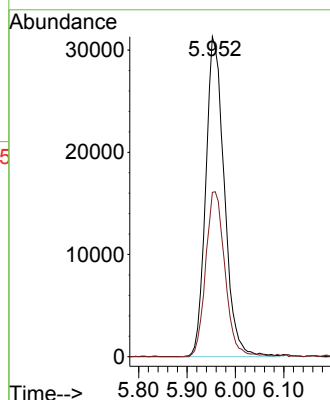
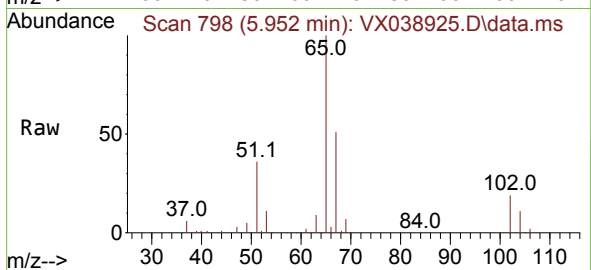
ClientSampleId :

Tgt Ion: 65 Resp: 83550

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: VX038925.D

Acq: 18 Nov 2023 13:59

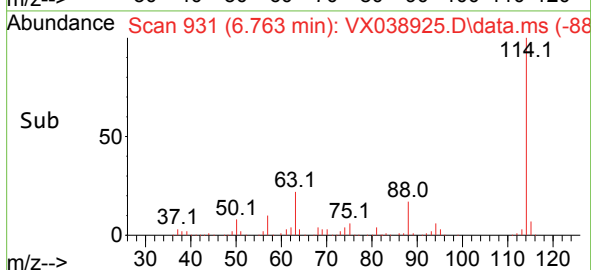
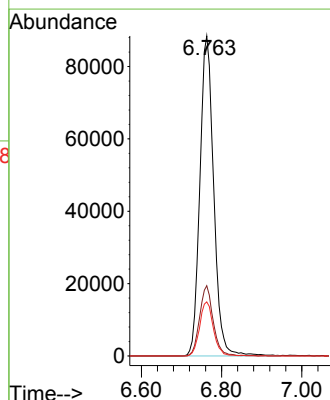
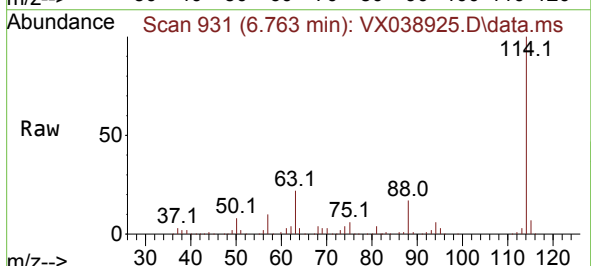
Tgt Ion:114 Resp: 211825

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.0

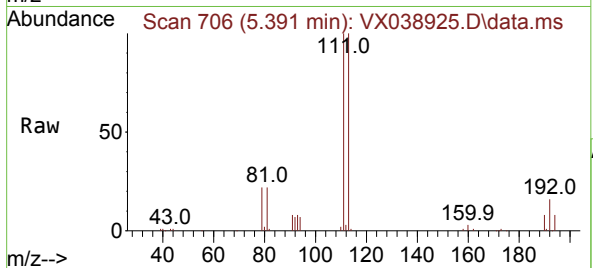
88 16.9 0.0 36.6



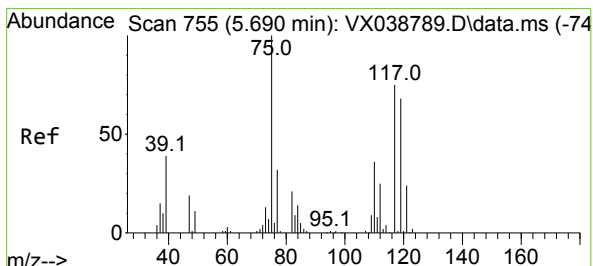
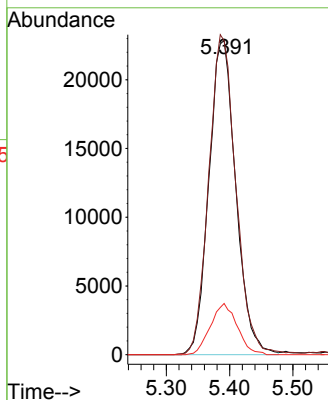
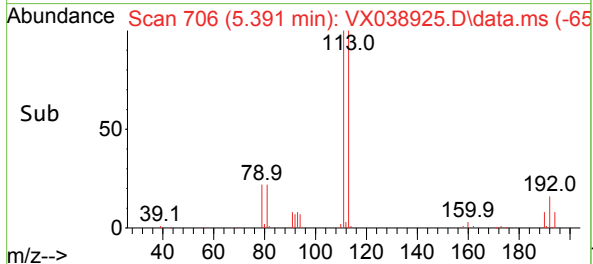


#35
Dibromofluoromethane
Concen: 44.196 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :

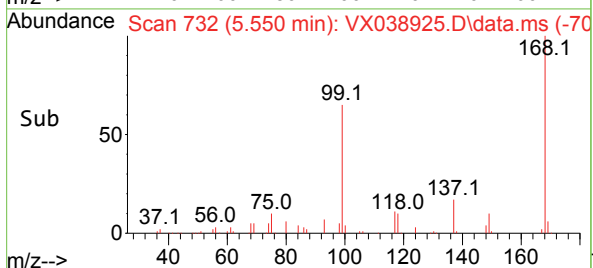
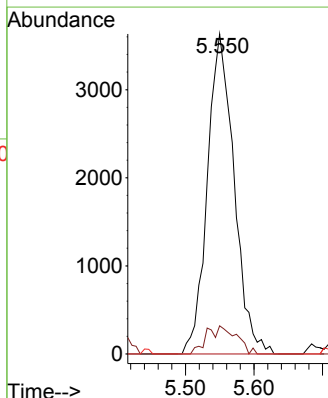
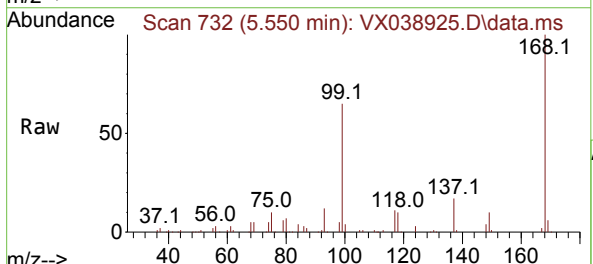


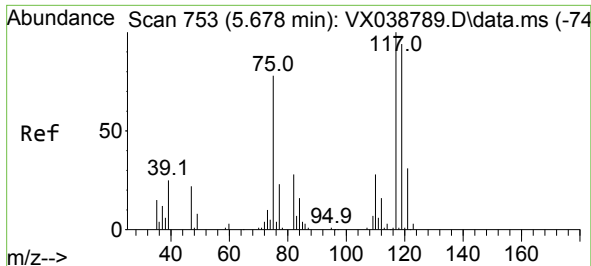
Tgt Ion:113 Resp: 67614
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.489 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

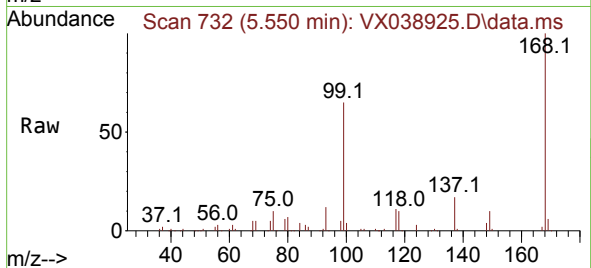
Tgt Ion: 75 Resp: 9842
Ion Ratio Lower Upper
75 100
110 6.1 17.0 50.9#
77 0.0 24.7 37.1#



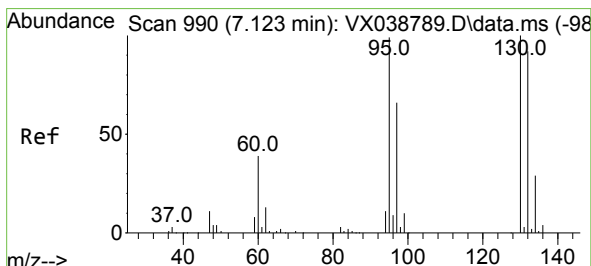
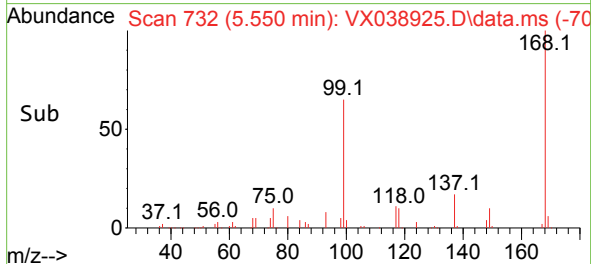
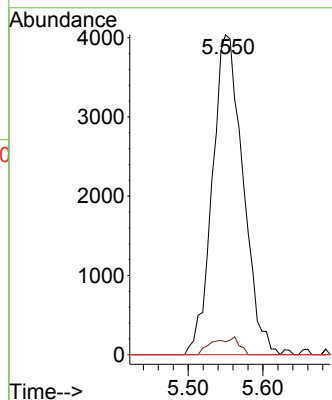


#38
Carbon Tetrachloride
Concen: 5.666 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :

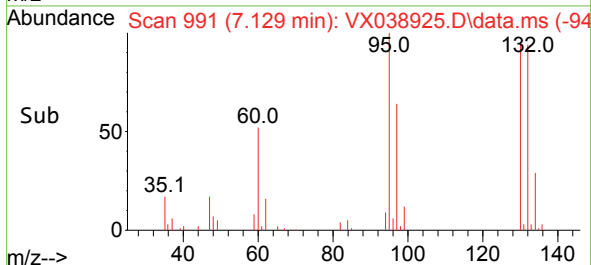
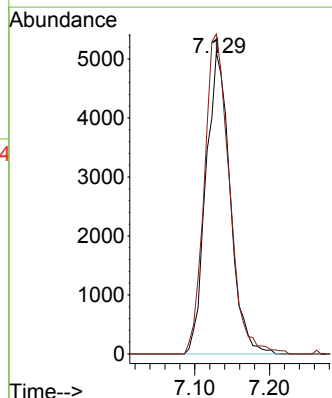
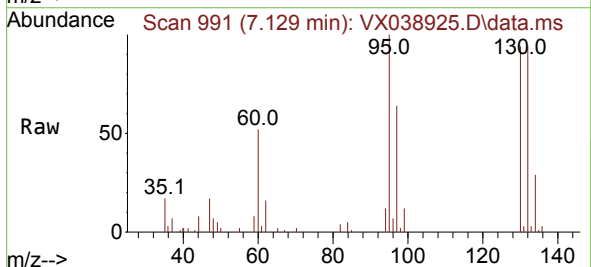


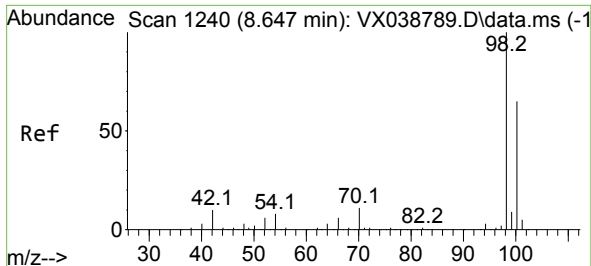
Tgt Ion:117 Resp: 11483
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 7.300 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Tgt Ion:130 Resp: 11523
Ion Ratio Lower Upper
130 100
95 106.1 0.0 204.4

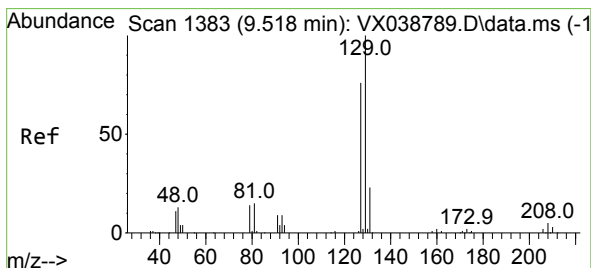
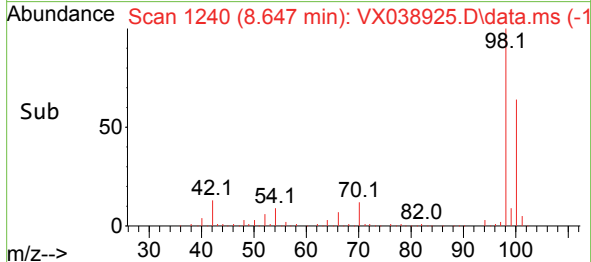
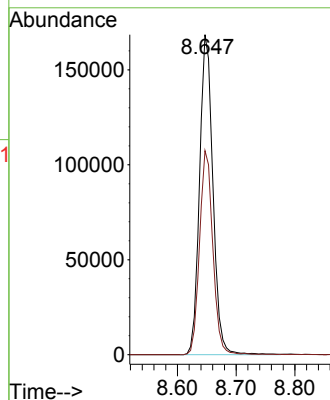
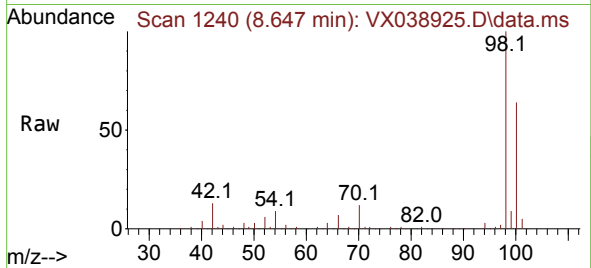




#50
Toluene-d8
Concen: 45.358 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

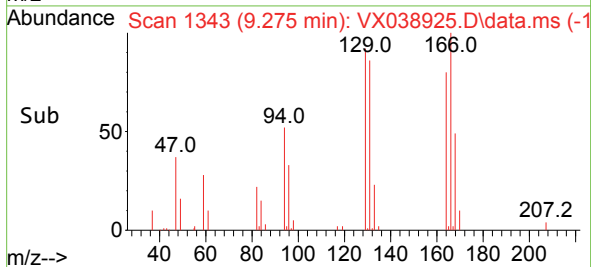
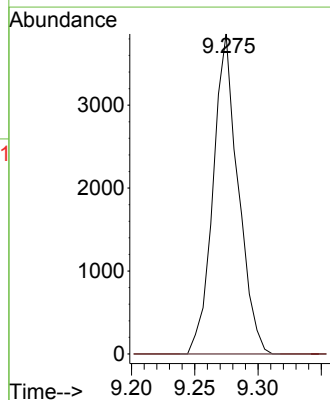
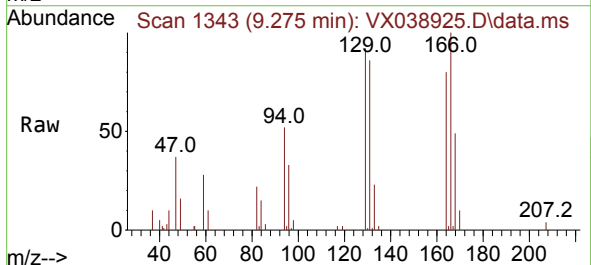
Instrument :
MSVOA_X
ClientSampleId :

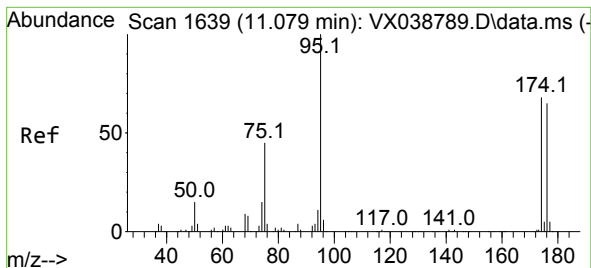
Tgt Ion: 98 Resp: 265491
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#60
Dibromochloromethane
Concen: 3.120 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Tgt Ion:129 Resp: 5327
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

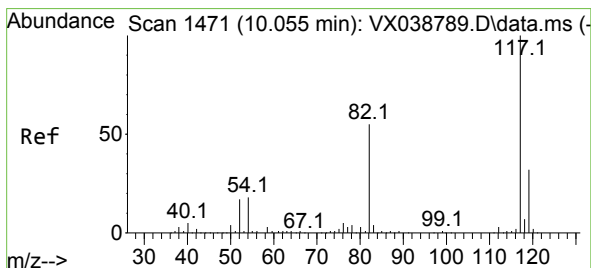
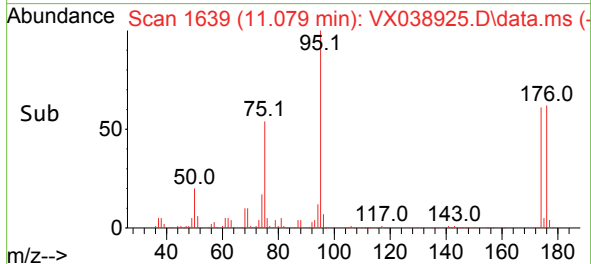
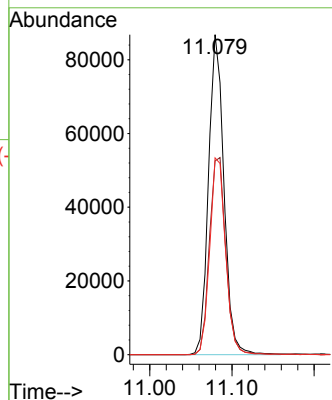
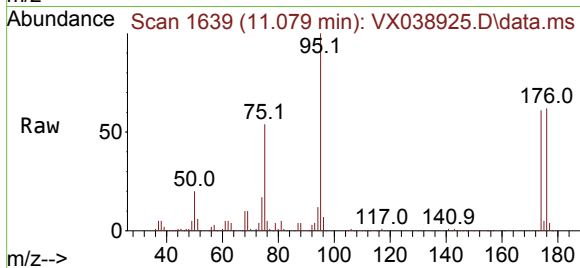




#62
4-Bromofluorobenzene
Concen: 48.224 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

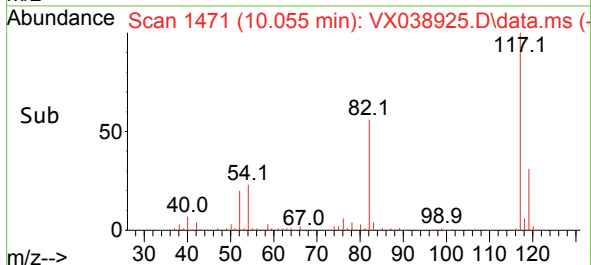
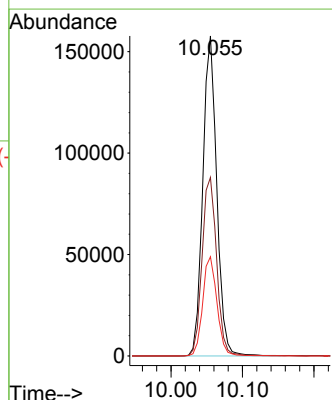
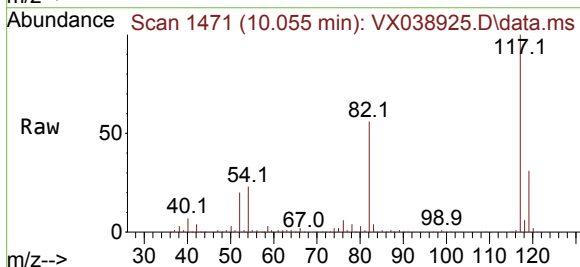
Instrument :
MSVOA_X
ClientSampleId :

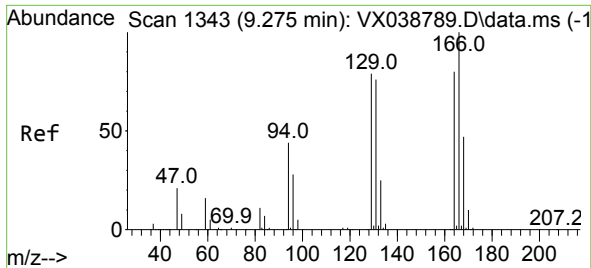
Tgt Ion: 95 Resp: 112995
Ion Ratio Lower Upper
95 100
174 65.4 0.0 135.6
176 63.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Tgt Ion: 117 Resp: 213744
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 31.0 25.5 38.3

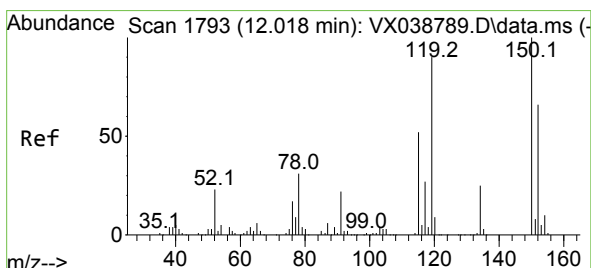
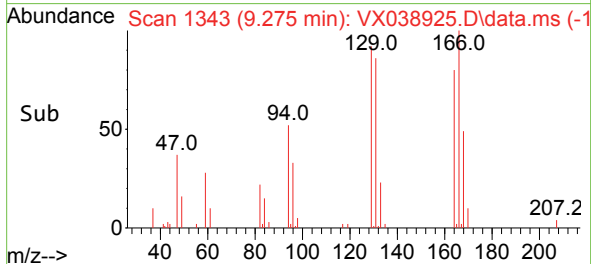
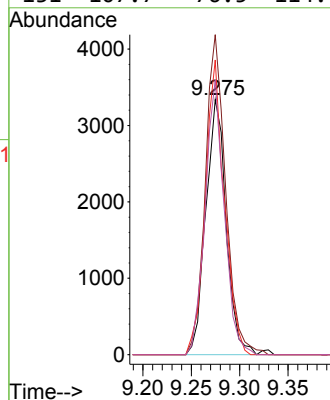
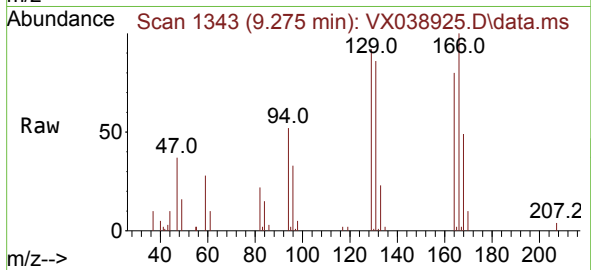




#64
Tetrachloroethene
Concen: 3.709 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

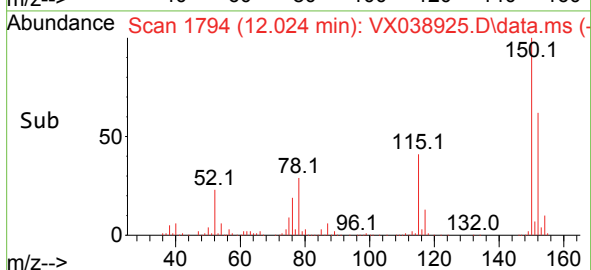
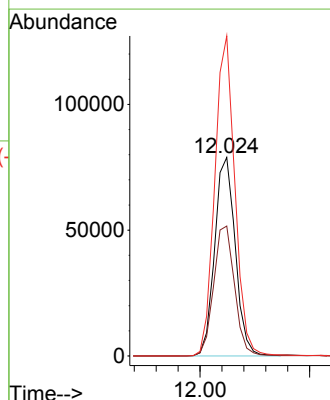
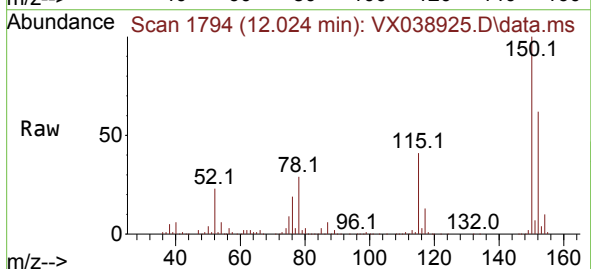
Instrument :
MSVOA_X
ClientSampleId :

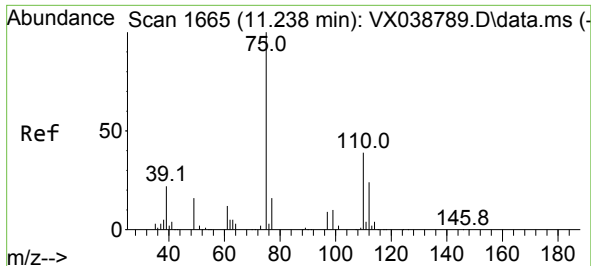
Tgt Ion:164 Resp: 4928
Ion Ratio Lower Upper
164 100
166 125.5 102.7 154.1
129 115.6 80.4 120.6
131 107.7 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Tgt Ion:152 Resp: 103273
Ion Ratio Lower Upper
152 100
115 66.3 43.3 129.9
150 157.3 0.0 345.0

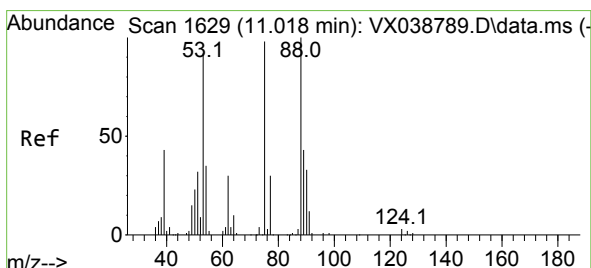
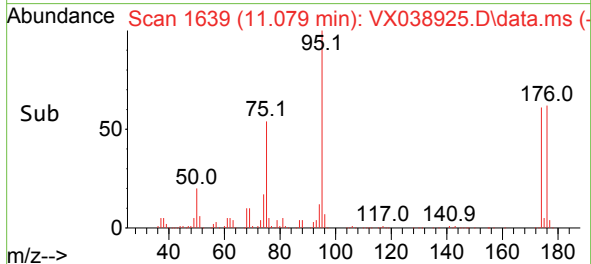
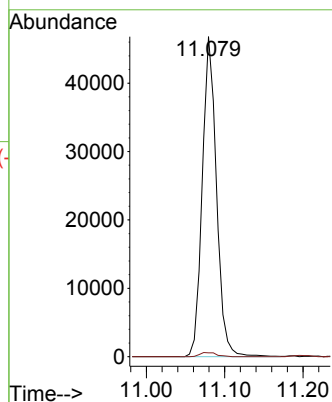
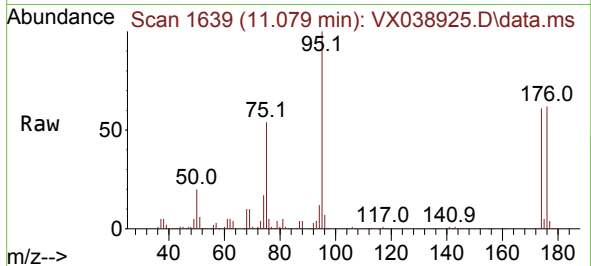




#76
1,2,3-Trichloropropane
Concen: 22.915 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 59043
Ion Ratio Lower Upper
75 100
77 1.6 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.827 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038925.D
Acq: 18 Nov 2023 13:59

Tgt Ion: 75 Resp: 59043
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

