

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100623\
 Data File : VX038139.D
 Acq On : 06 Oct 2023 18:28
 Operator : JC/MD
 Sample : 04778-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NBS-GROUNDWATER

Quant Time: Oct 07 04:24:11 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)

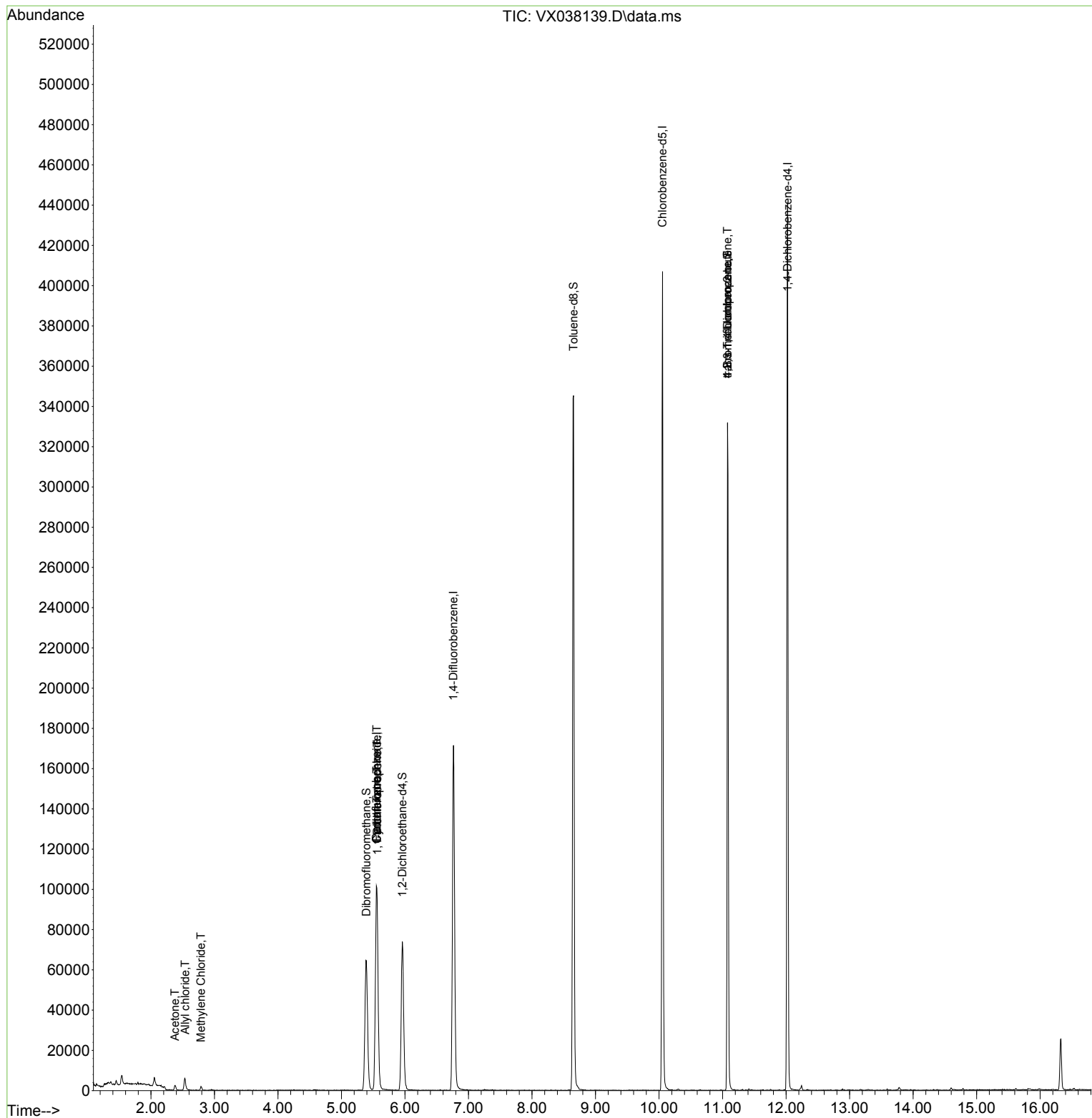
Internal Standards						
1) Pentafluorobenzene	5.550	168	95412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	174189	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71935	46.874	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.740%
35) Dibromofluoromethane	5.391	113	55444	44.174	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.340%
50) Toluene-d8	8.653	98	218885	45.637	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.280%#
62) 4-Bromofluorobenzene	11.079	95	83002	45.648	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.300%
Target Compounds						
					Qvalue	
5) Bromomethane	1.532	94	54	Below Cal		82
6) Chloroethane	1.679	64	227	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	190	Below Cal	#	78
14) Allyl chloride	2.538	41	672	0.430	ug/l #	43
16) Acetone	2.380	43	2583	4.033	ug/l	99
20) Methylene Chloride	2.788	84	758	0.629	ug/l	87
31) Cyclohexane	5.556	56	2302	1.385	ug/l #	32
36) 1,1-Dichloropropene	5.562	75	8348	4.823	ug/l #	51
38) Carbon Tetrachloride	5.556	117	10109	5.937	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	46219	22.464	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	46219	64.336	ug/l #	5

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

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Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

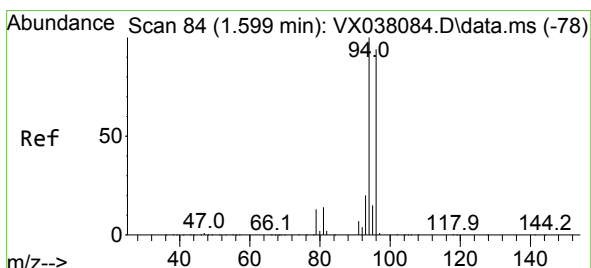
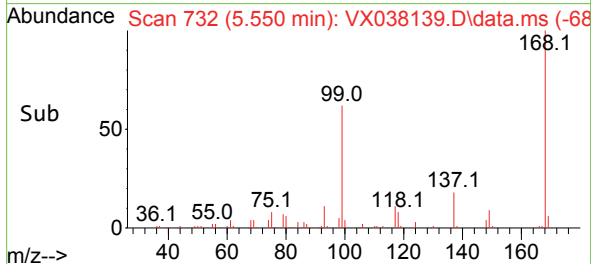
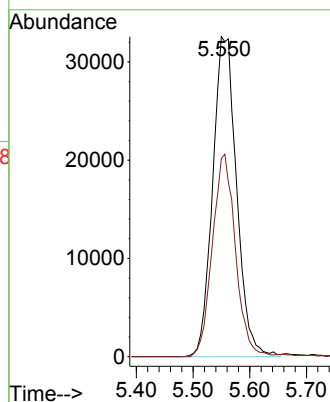
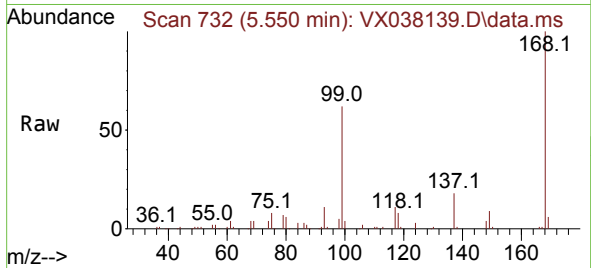




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

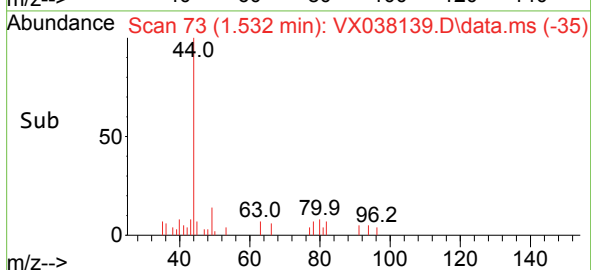
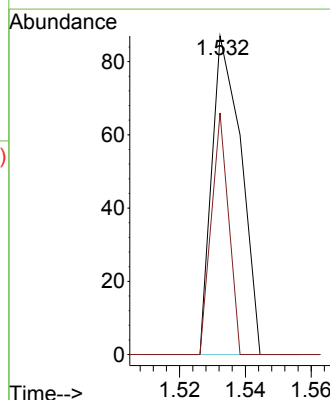
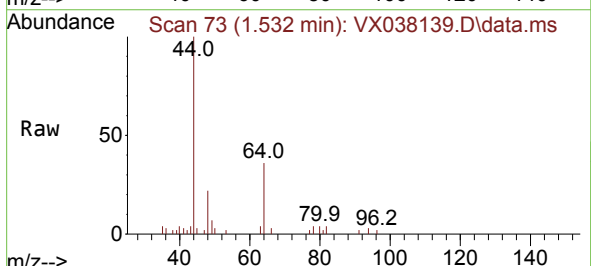
Instrument :
MSVOA_X
ClientSampleId :
NBS-GROUNDWATER

Tgt Ion:168 Resp: 95412
Ion Ratio Lower Upper
168 100
99 61.9 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.532 min Scan# 73
Delta R.T. -0.067 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 75.9 74.6 111.8

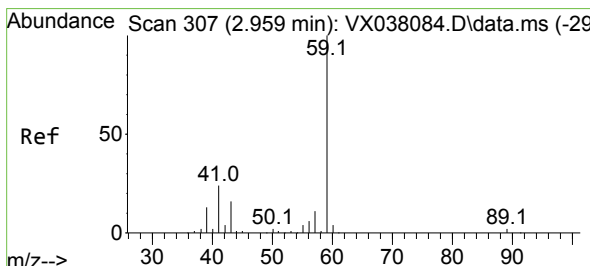
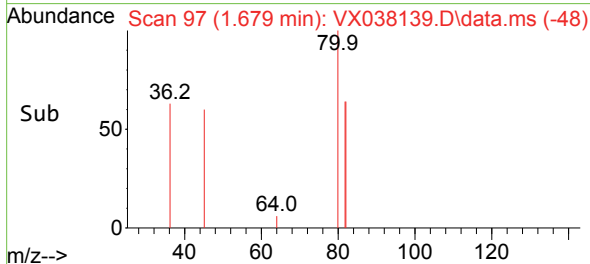
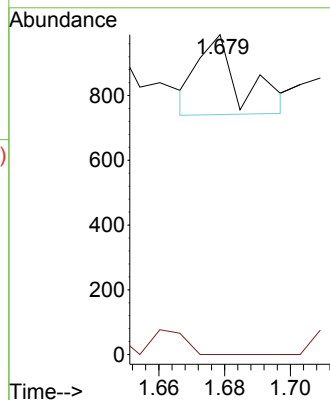
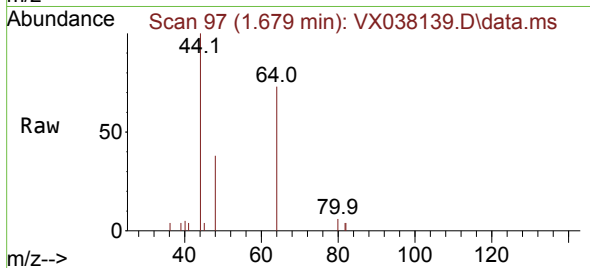




#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

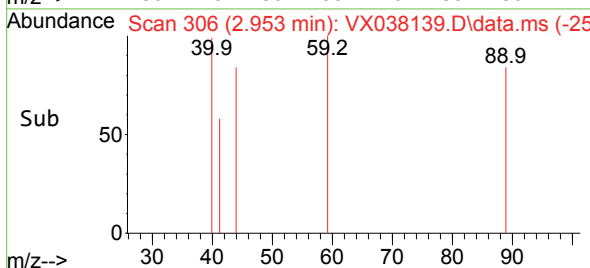
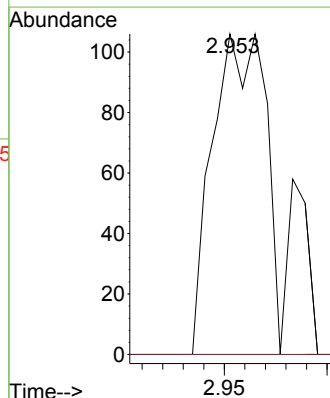
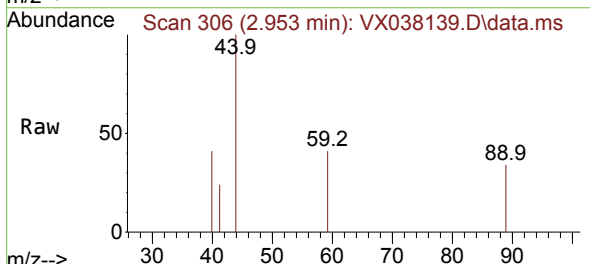
Instrument :
MSVOA_X
ClientSampleId :
NBS-GROUNDWATER

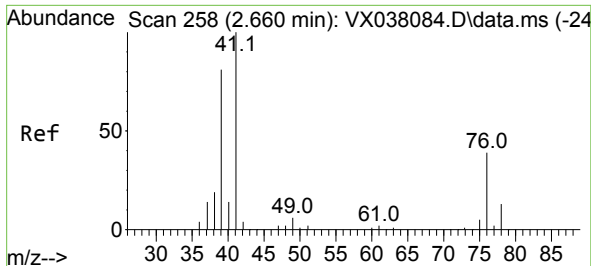
Tgt Ion: 64 Resp: 227
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#14

Allyl chloride

Concen: 0.430 ug/l

RT: 2.538 min Scan# 21

Delta R.T. -0.122 min

Lab File: VX038139.D

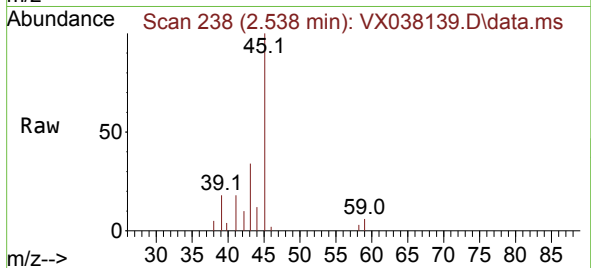
Acq: 06 Oct 2023 18:28

Instrument :

MSVOA_X

ClientSampleId :

NBS-GROUNDWATER



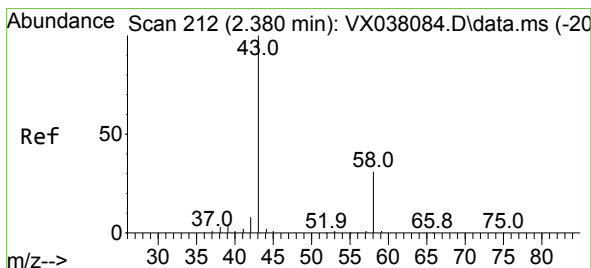
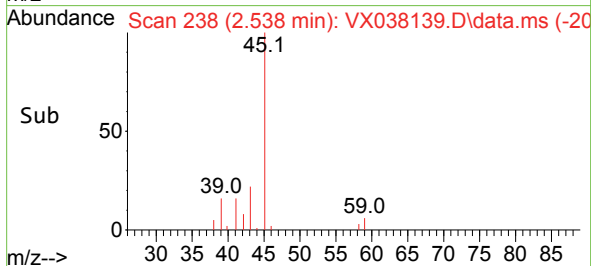
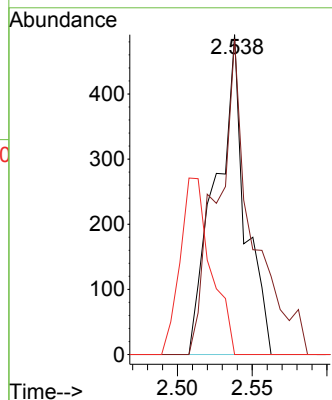
Tgt Ion: 41 Resp: 672

Ion Ratio Lower Upper

41 100

39 117.1 55.8 83.6#

76 0.0 24.3 36.5#



#16

Acetone

Concen: 4.033 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX038139.D

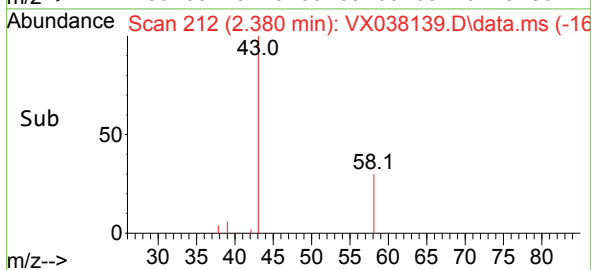
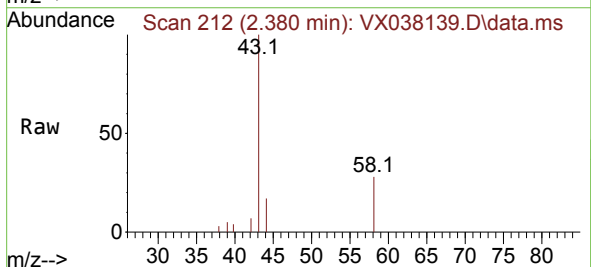
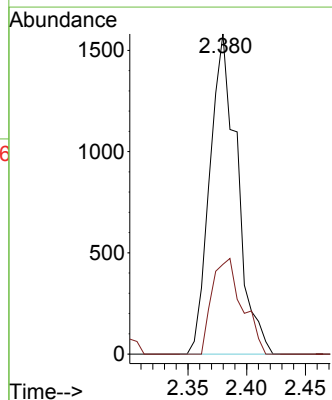
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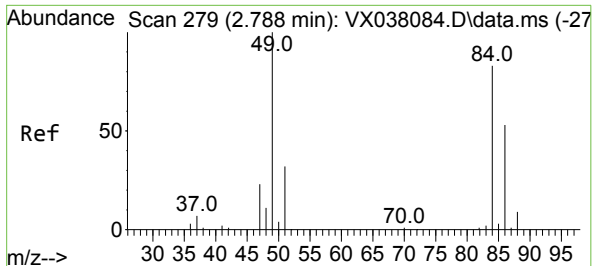
Tgt Ion: 43 Resp: 2583

Ion Ratio Lower Upper

43 100

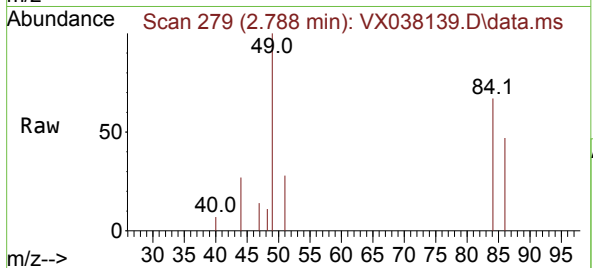
58 28.0 21.9 32.9



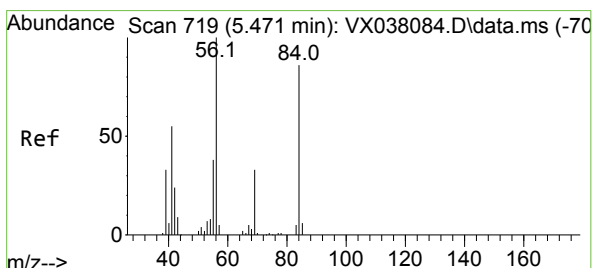
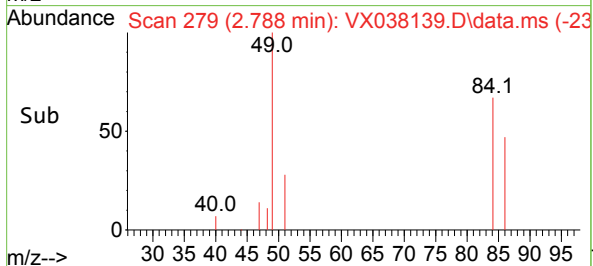
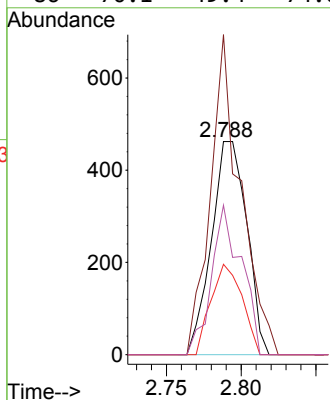


#20
Methylene Chloride
Concen: 0.629 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

Instrument :
MSVOA_X
ClientSampleId :
NBS-GROUNDWATER

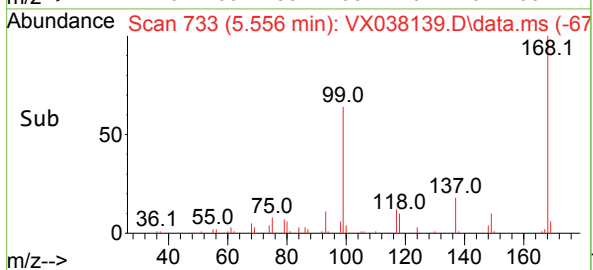
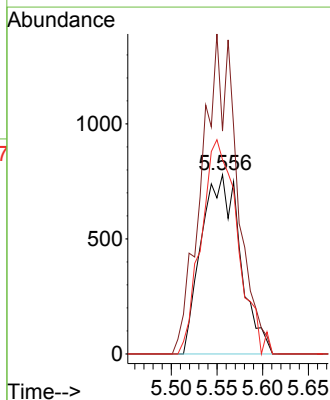
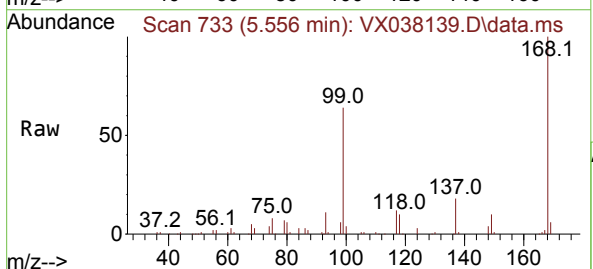


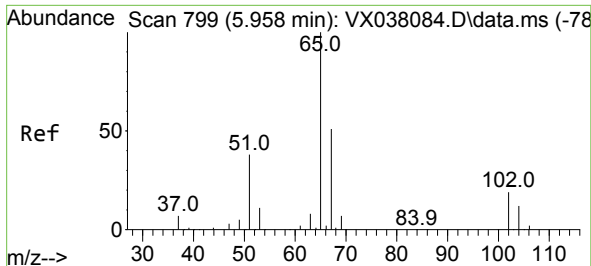
Tgt Ion:	84	Resp:	758
Ion	Ratio	Lower	Upper
84	100		
49	150.2	103.6	155.4
51	42.4	33.8	50.6
86	70.1	49.4	74.0



#31
Cyclohexane
Concen: 1.385 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

Tgt Ion:	56	Resp:	2302
Ion	Ratio	Lower	Upper
56	100		
69	124.4	23.4	35.2#
84	108.3	65.9	98.9#

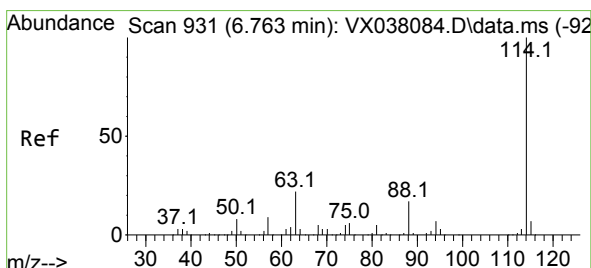
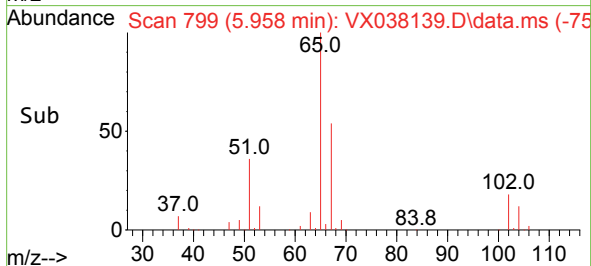
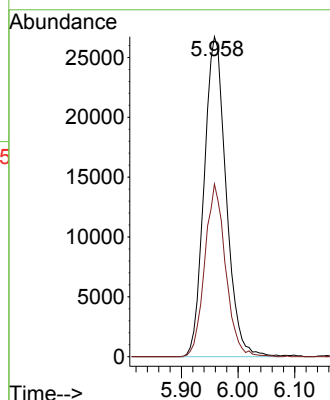
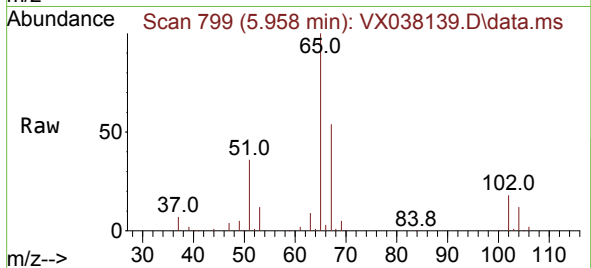




#33
 1,2-Dichloroethane-d4
 Concen: 46.874 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038139.D
 Acq: 06 Oct 2023 18:28

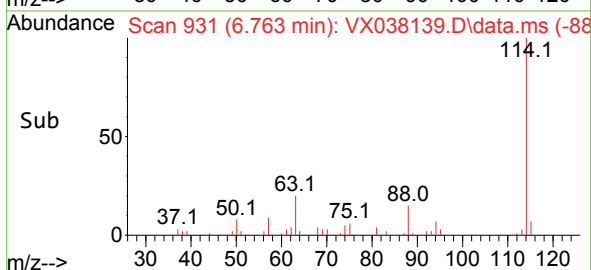
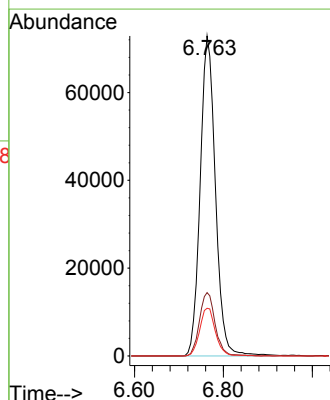
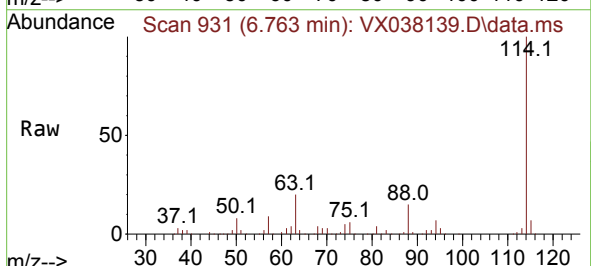
Instrument :
 MSVOA_X
 ClientSampleId :
 NBS-GROUNDWATER

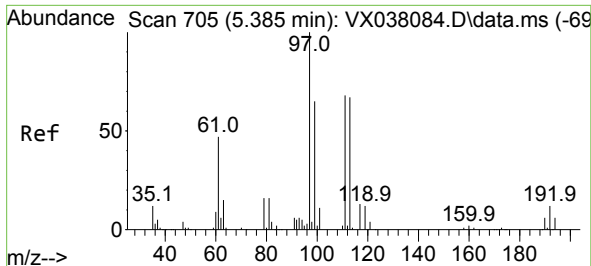
Tgt Ion: 65 Resp: 71935
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX038139.D
 Acq: 06 Oct 2023 18:28

Tgt Ion: 114 Resp: 174189
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 45.0
 88 14.9 0.0 36.6

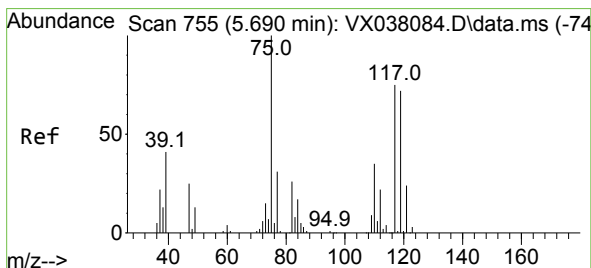
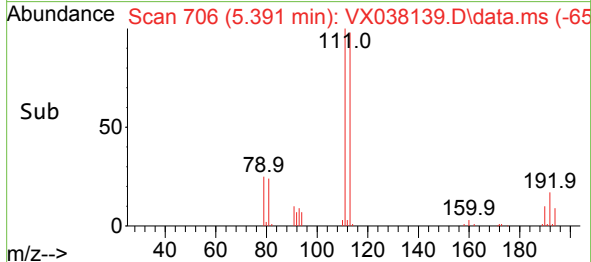
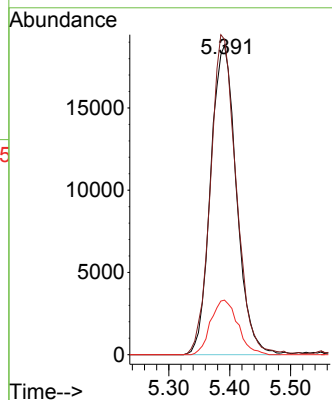
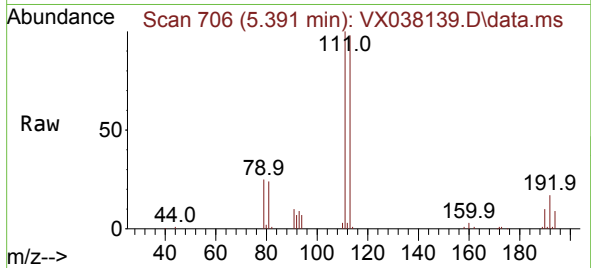




#35
Dibromofluoromethane
Concen: 44.174 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

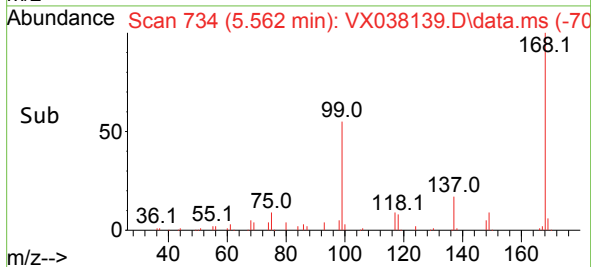
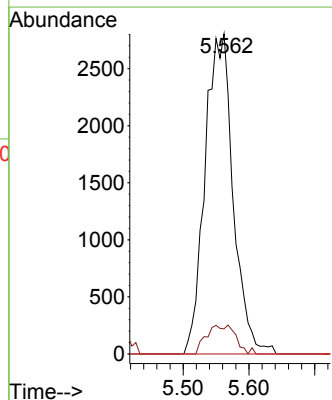
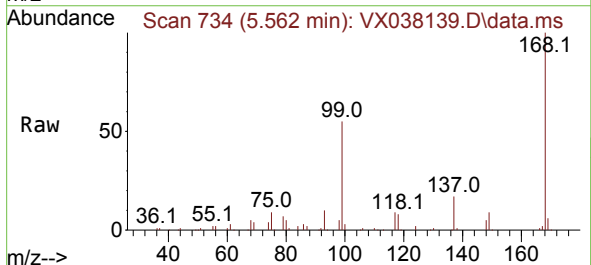
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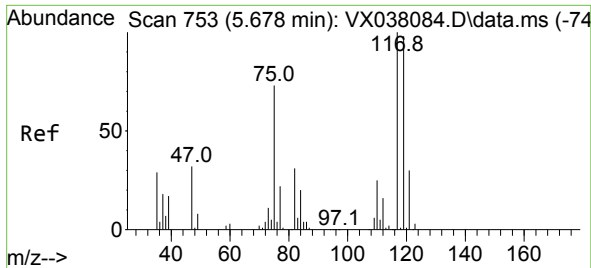
Tgt Ion:113 Resp: 55444
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

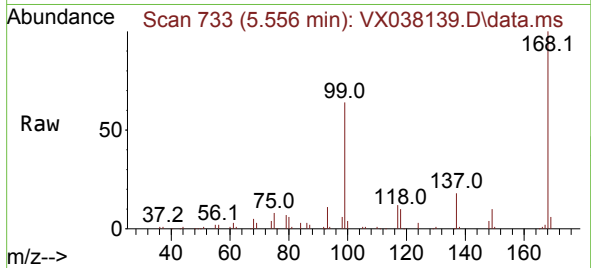
Tgt Ion: 75 Resp: 8348
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



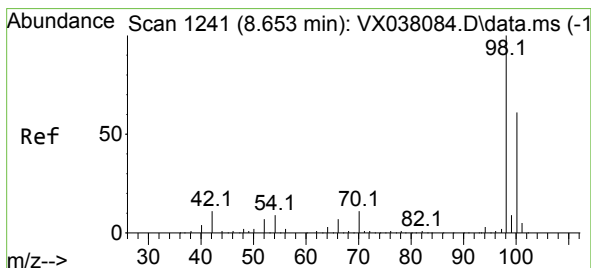
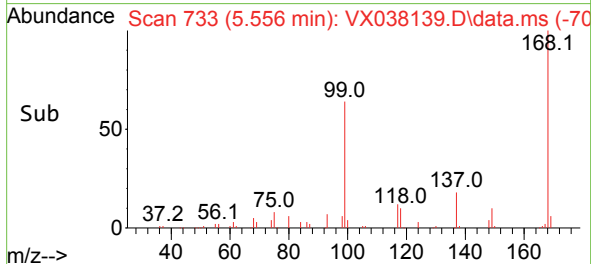
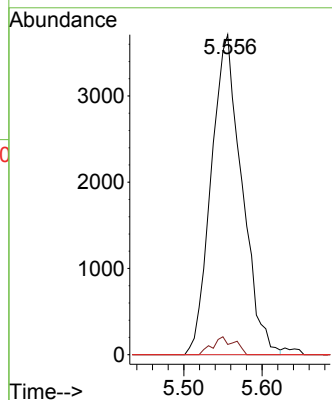


#38
Carbon Tetrachloride
Concen: 5.937 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

Instrument :
MSVOA_X
ClientSampleId :
NBS-GROUNDWATER

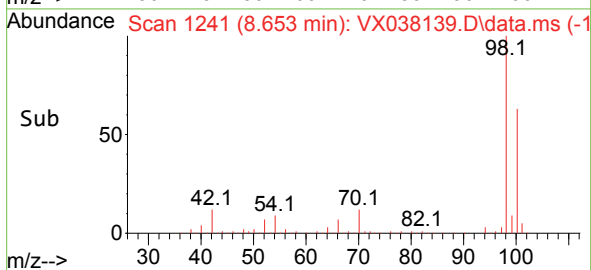
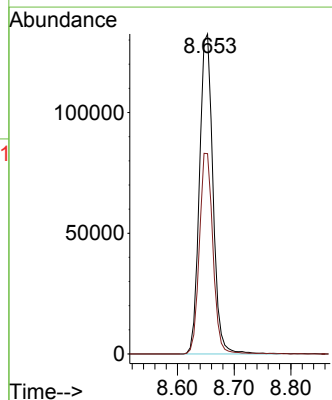
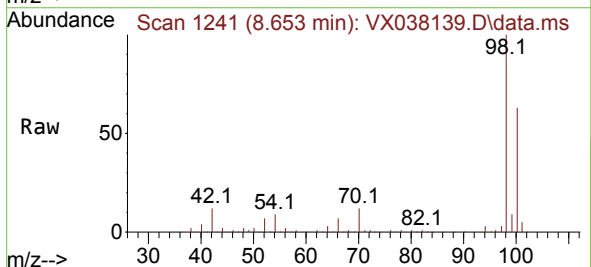


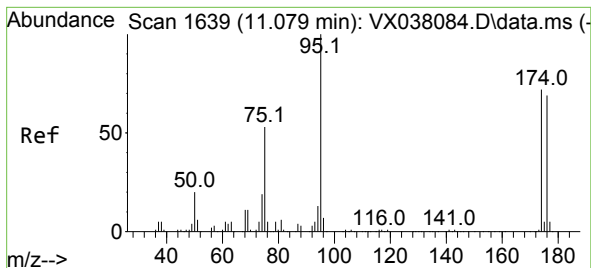
Tgt Ion:117 Resp: 10109
Ion Ratio Lower Upper
117 100
119 3.2 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.637 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

Tgt Ion: 98 Resp: 218885
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7

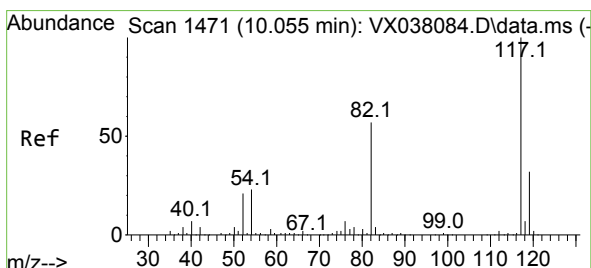
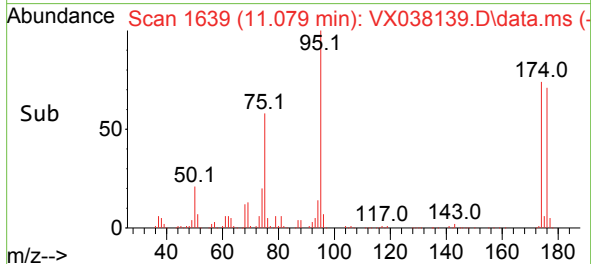
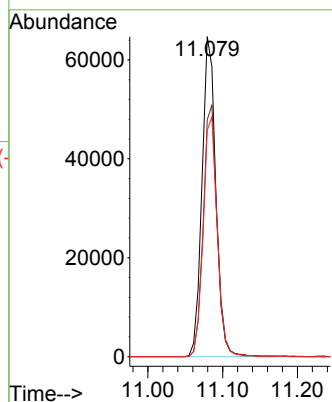
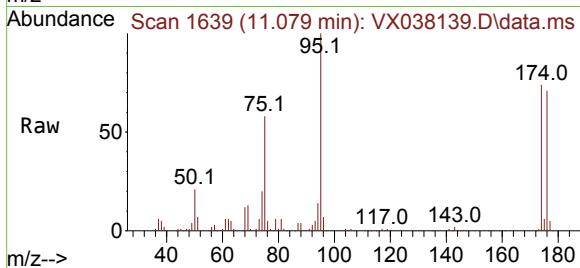




#62
4-Bromofluorobenzene
Concen: 45.648 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

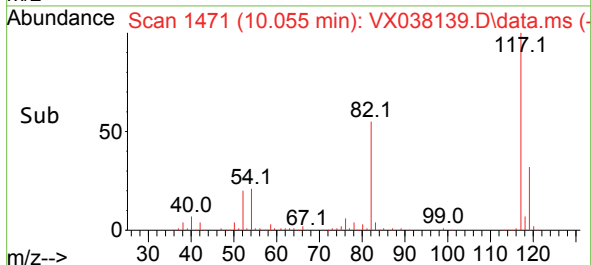
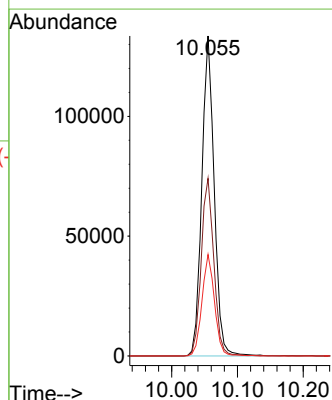
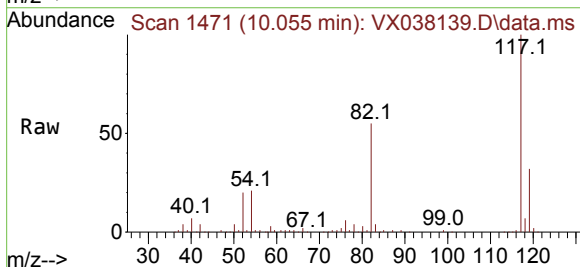
Instrument :
MSVOA_X
ClientSampleId :
NBS-GROUNDWATER

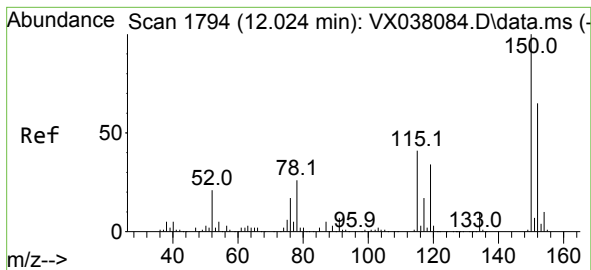
Tgt Ion: 95 Resp: 83002
Ion Ratio Lower Upper
95 100
174 79.5 0.0 135.6
176 76.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038139.D
Acq: 06 Oct 2023 18:28

Tgt Ion: 117 Resp: 174441
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 31.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038139.D

Acq: 06 Oct 2023 18:28

Instrument :

MSVOA_X

ClientSampleId :

NBS-GROUNDWATER

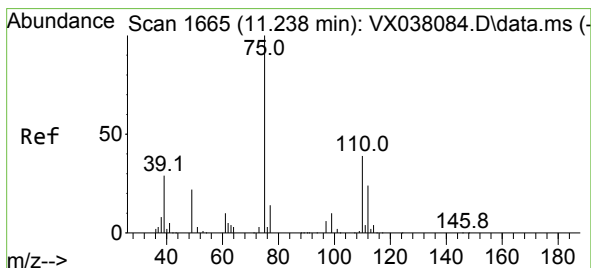
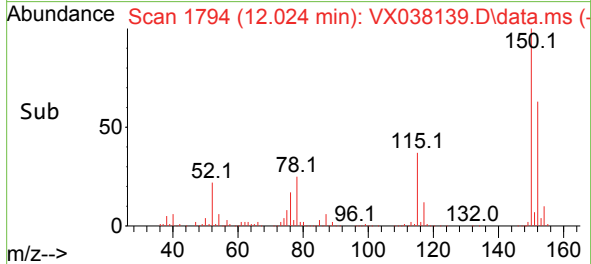
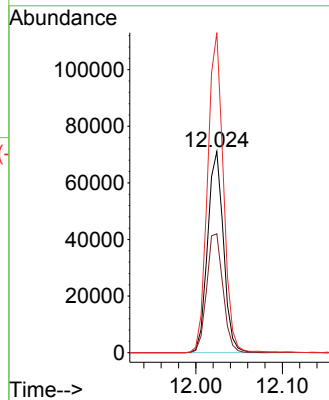
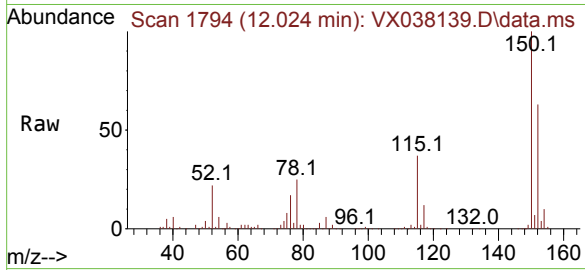
Tgt Ion:152 Resp: 90503

Ion Ratio Lower Upper

152 100

115 60.9 43.3 129.9

150 157.7 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.464 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038139.D

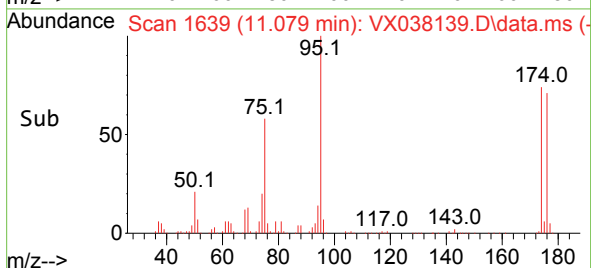
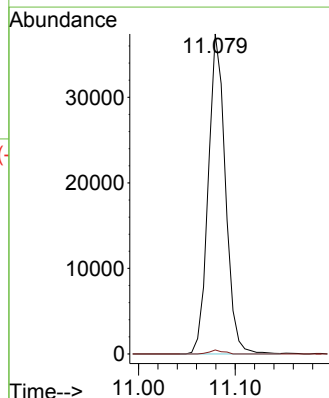
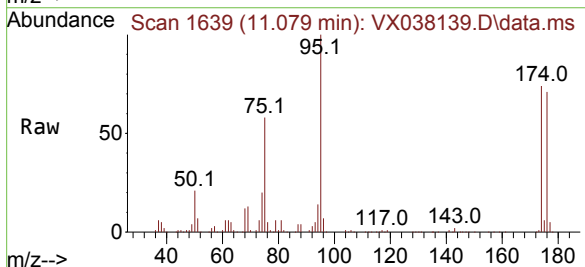
Acq: 06 Oct 2023 18:28

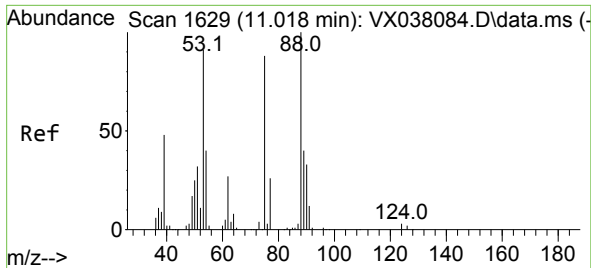
Tgt Ion: 75 Resp: 46219

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.336 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038139.D
 Acq: 06 Oct 2023 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 NBS-GROUNDWATER

Tgt Ion: 75 Resp: 46219
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

