

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101223\
 Data File : VX038269.D
 Acq On : 12 Oct 2023 20:04
 Operator : JC/MD
 Sample : 04875-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

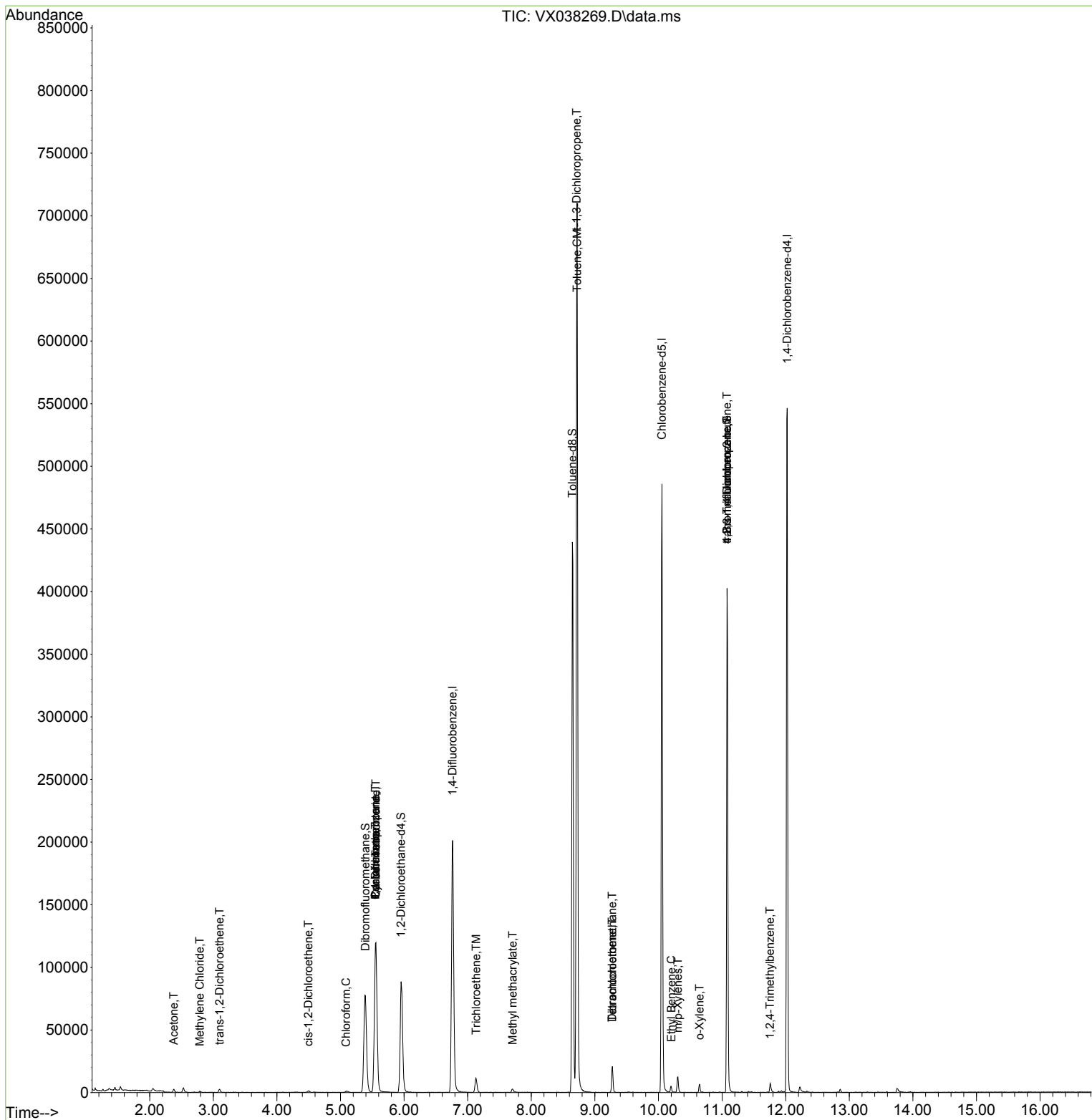
Instrument :
 MSVOA_X
 ClientSampleId :

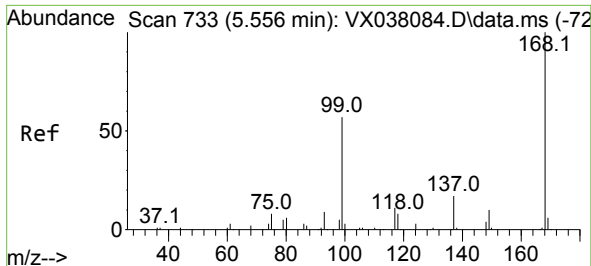
Quant Time: Oct 13 04:55:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	115023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205077	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84217	45.521	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.040%
35) Dibromofluoromethane	5.391	113	67190	45.469	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.940%
50) Toluene-d8	8.646	98	267339	47.344	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.680%
62) 4-Bromofluorobenzene	11.079	95	102070	47.680	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.360%
Target Compounds						
					Qvalue	
5) Bromomethane	1.623	94	98	Below Cal	#	3
6) Chloroethane	1.672	64	42	Below Cal	#	43
11) Tert butyl alcohol	2.952	59	20	Below Cal	#	78
16) Acetone	2.379	43	2560	3.316	ug/l	99
20) Methylene Chloride	2.788	84	420	0.289	ug/l #	84
21) trans-1,2-Dichloroethene	3.099	96	1051	0.807	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	859	0.554	ug/l #	55
30) Chloroform	5.086	83	699	0.267	ug/l #	69
31) Cyclohexane	5.549	56	2596	1.295	ug/l #	3
36) 1,1-Dichloropropene	5.549	75	9339	4.583	ug/l #	49
38) Carbon Tetrachloride	5.556	117	11523	5.748	ug/l #	15
44) Trichloroethene	7.135	130	4249	2.850	ug/l	98
48) Methyl methacrylate	7.708	41	1744	1.011	ug/l #	80
52) Toluene	8.720	92	267244	71.982	ug/l	93
53) t-1,3-Dichloropropene	8.714	75	3286	1.504	ug/l #	1
60) Dibromochloromethane	9.274	129	3698	2.379	ug/l #	11
64) Tetrachloroethene	9.274	164	3889	2.757	ug/l	95
67) Ethyl Benzene	10.201	91	3357	0.412	ug/l #	87
68) m/p-Xylenes	10.305	106	3184	1.012	ug/l	97
69) o-Xylene	10.646	106	1588	0.517	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	55935	21.792	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	55935	62.533	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2560	0.393	ug/l #	41

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

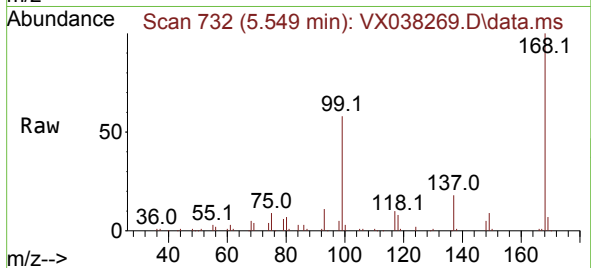
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



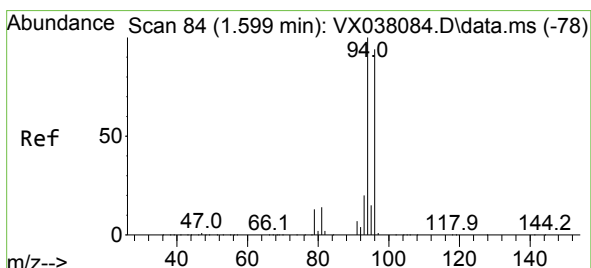
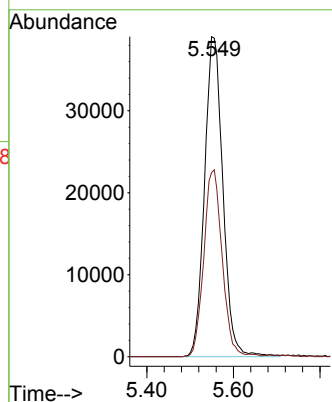
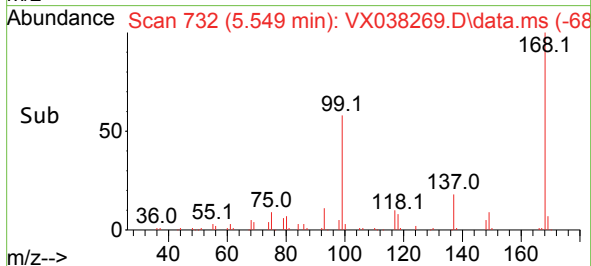


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Instrument :
MSVOA_X
ClientSampleId :

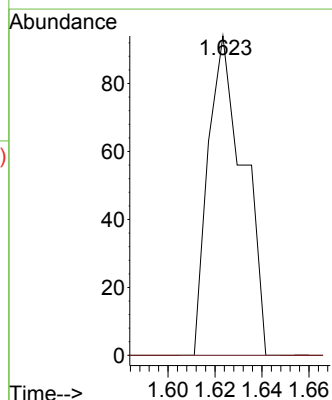
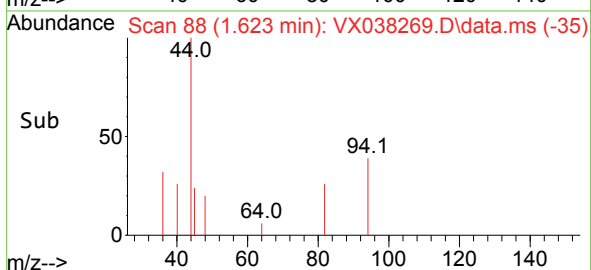
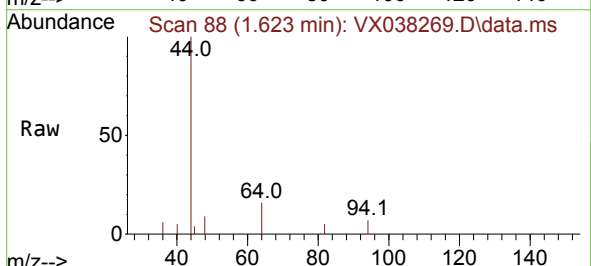


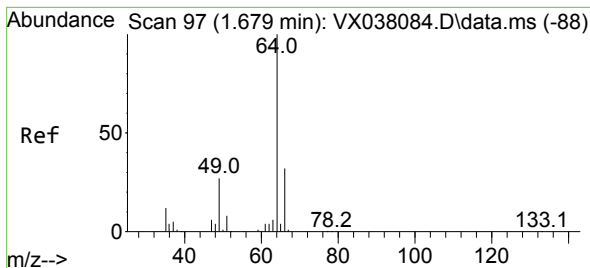
Tgt Ion:168 Resp: 115023
Ion Ratio Lower Upper
168 100
99 57.5 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.623 min Scan# 88
Delta R.T. 0.024 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Tgt Ion: 94 Resp: 98
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#6

Chloroethane

Concen: Below Cal

RT: 1.672 min Scan# 90

Delta R.T. -0.007 min

Lab File: VX038269.D

Acq: 12 Oct 2023 20:04

Instrument :

MSVOA_X

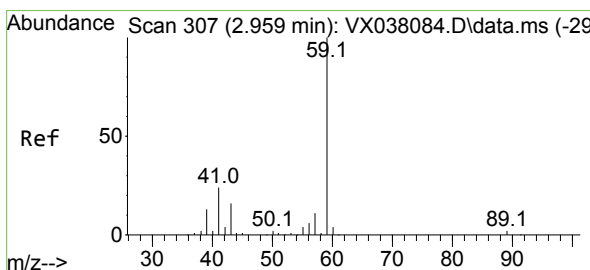
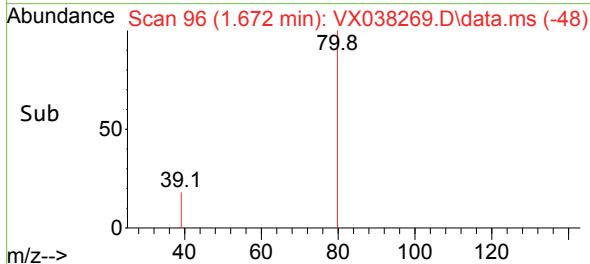
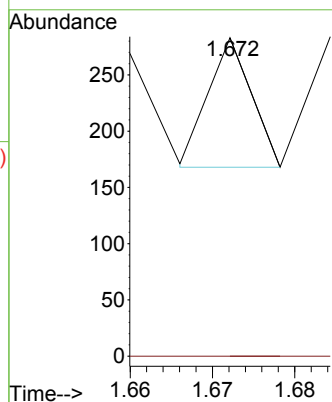
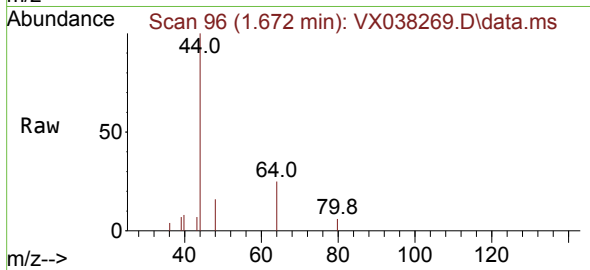
ClientSampleId :

Tgt Ion: 64 Resp: 42

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: VX038269.D

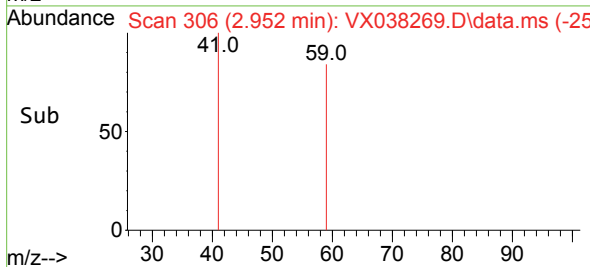
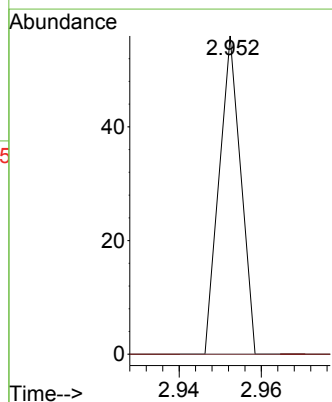
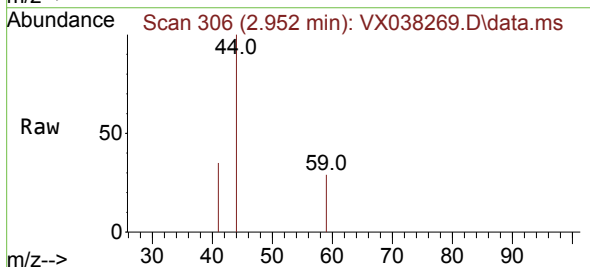
Acq: 12 Oct 2023 20:04

Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

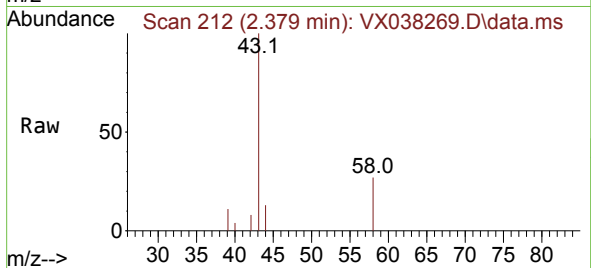
57 0.0 6.0 9.0#



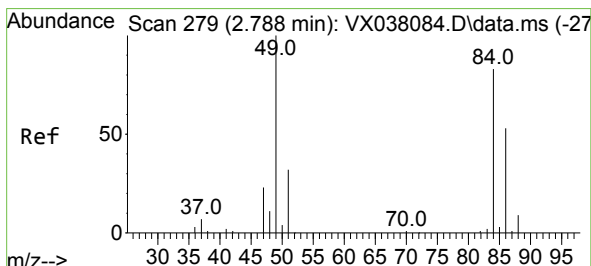
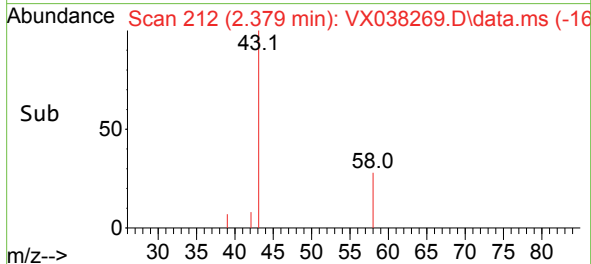
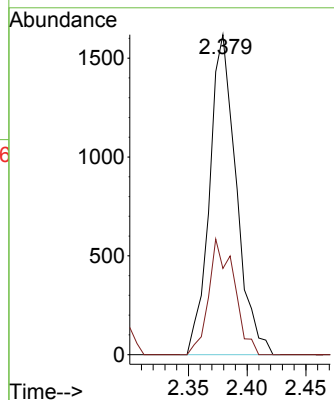


#16
Acetone
Concen: 3.316 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Instrument :
MSVOA_X
ClientSampleId :

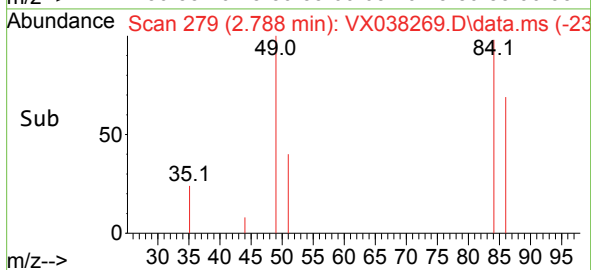
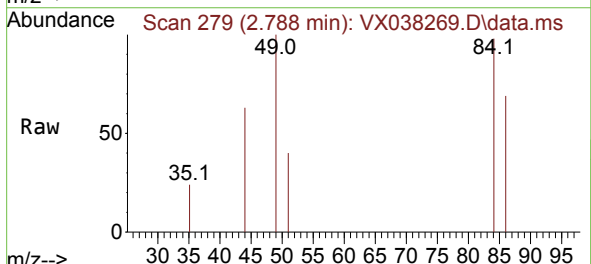
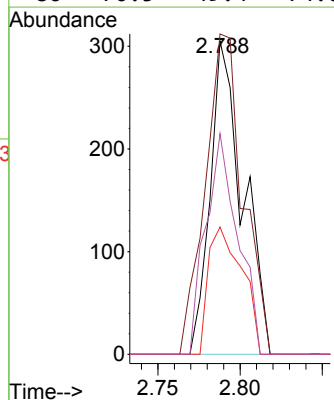


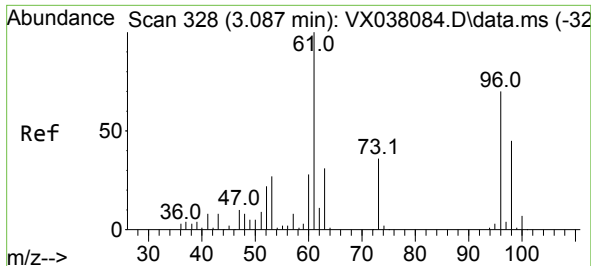
Tgt Ion: 43 Resp: 2560
Ion Ratio Lower Upper
43 100
58 26.9 21.9 32.9



#20
Methylene Chloride
Concen: 0.289 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Tgt Ion: 84 Resp: 420
Ion Ratio Lower Upper
84 100
49 102.3 103.6 155.4#
51 40.7 33.8 50.6
86 70.5 49.4 74.0

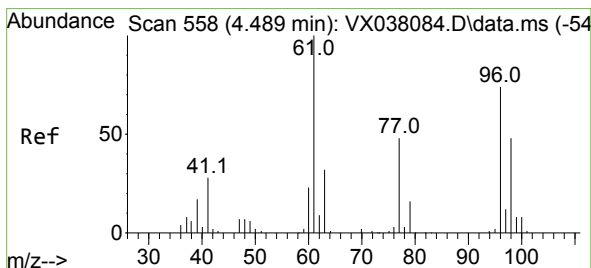
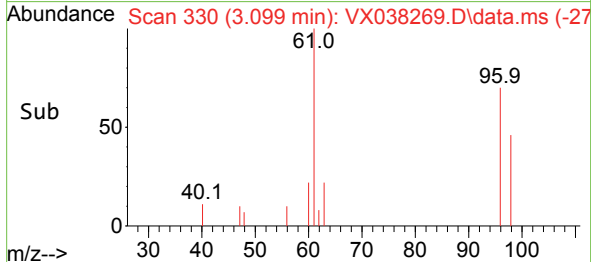
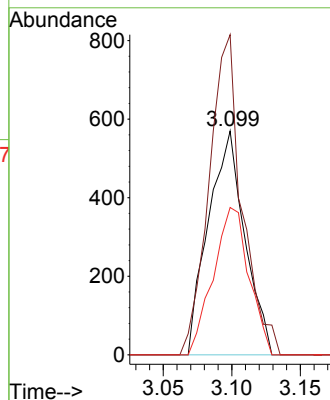
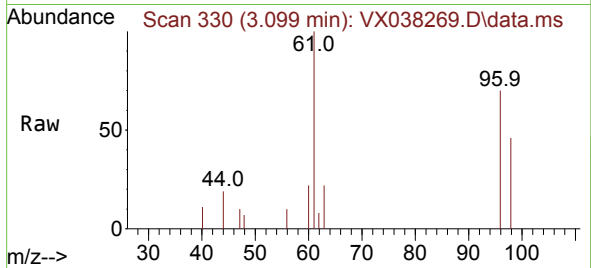




#21
trans-1,2-Dichloroethene
Concen: 0.807 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

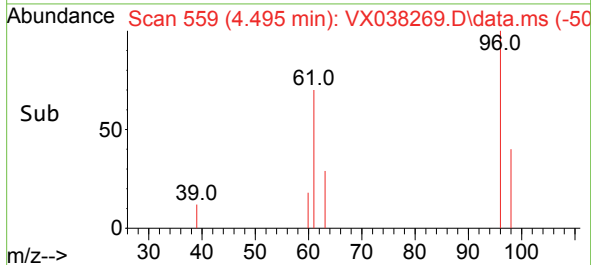
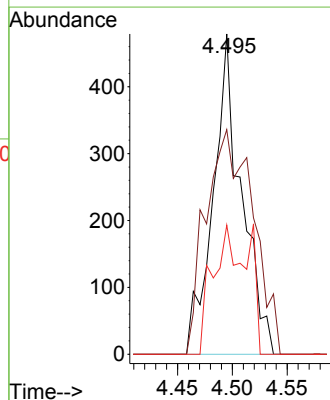
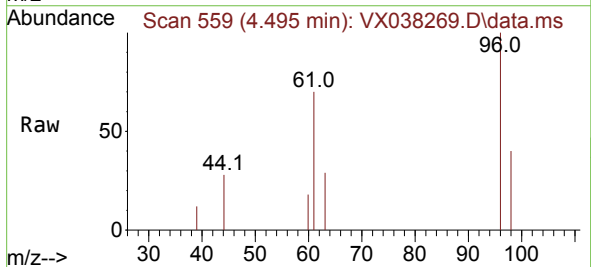
Instrument :
MSVOA_X
ClientSampleId :

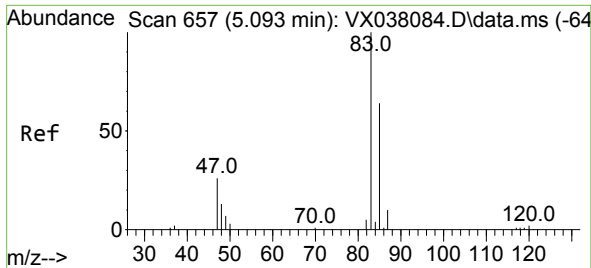
Tgt Ion: 96 Resp: 1051
Ion Ratio Lower Upper
96 100
61 143.0 119.2 178.8
98 65.8 48.7 73.1



#27
cis-1,2-Dichloroethene
Concen: 0.554 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

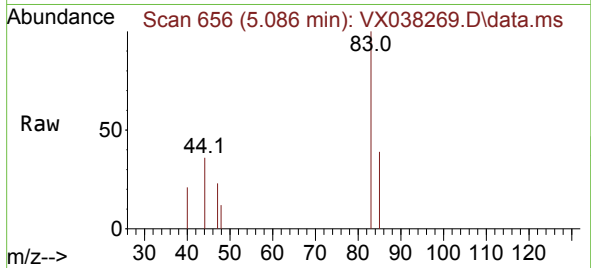
Tgt Ion: 96 Resp: 859
Ion Ratio Lower Upper
96 100
61 117.0 0.0 312.2
98 0.0 0.0 129.0



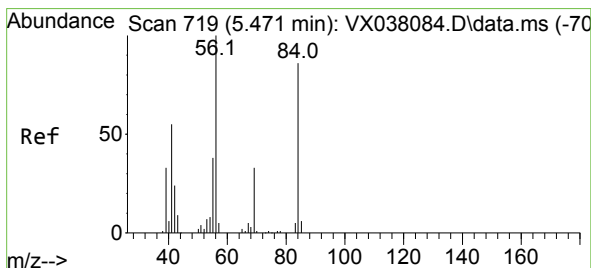
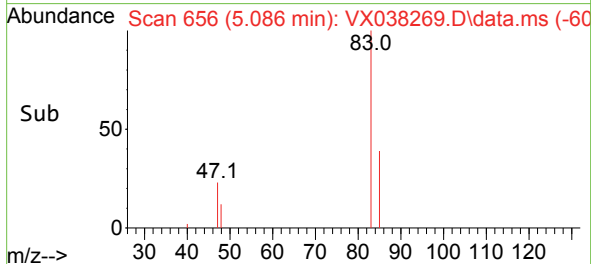
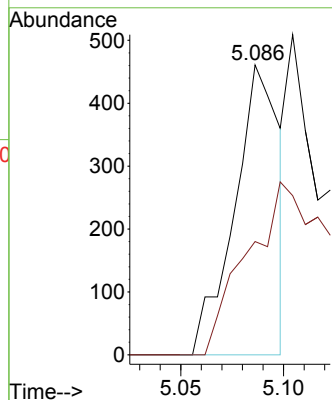


#30
Chloroform
Concen: 0.267 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Instrument :
MSVOA_X
ClientSampleId :

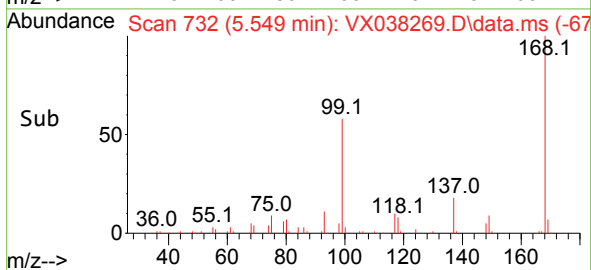
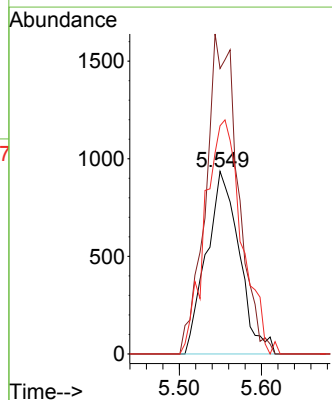
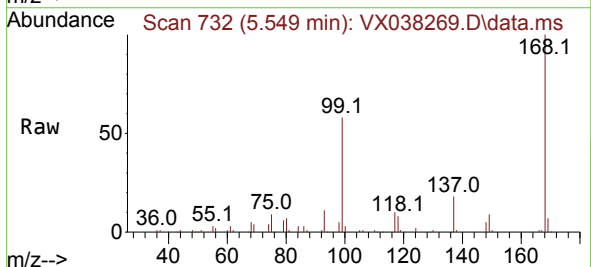


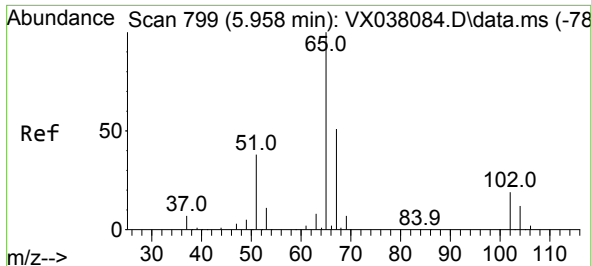
Tgt Ion: 83 Resp: 699
Ion Ratio Lower Upper
83 100
85 39.0 50.3 75.5#



#31
Cyclohexane
Concen: 1.295 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.078 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Tgt Ion: 56 Resp: 2596
Ion Ratio Lower Upper
56 100
69 156.4 23.4 35.2#
84 125.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.521 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038269.D

Acq: 12 Oct 2023 20:04

Instrument :

MSVOA_X

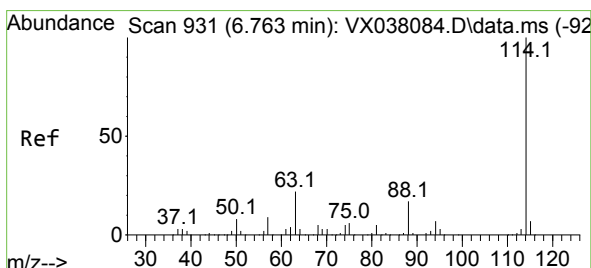
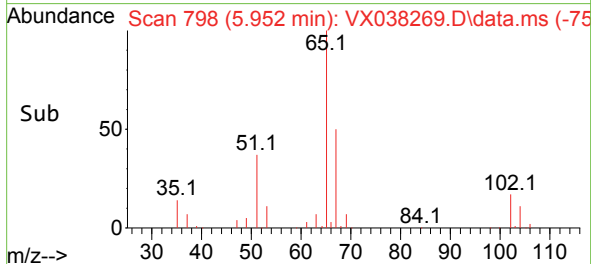
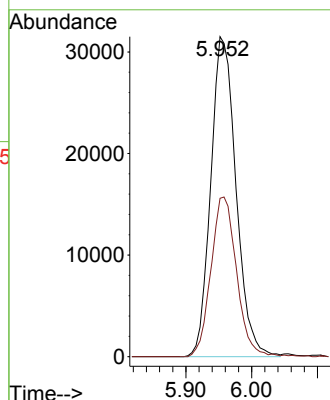
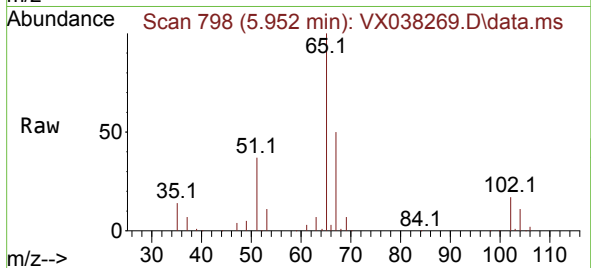
ClientSampleId :

Tgt Ion: 65 Resp: 84217

Ion Ratio Lower Upper

65 100

67 50.8 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: VX038269.D

Acq: 12 Oct 2023 20:04

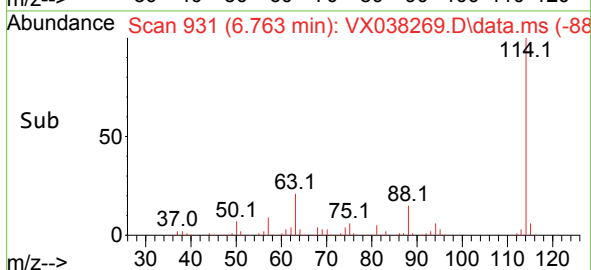
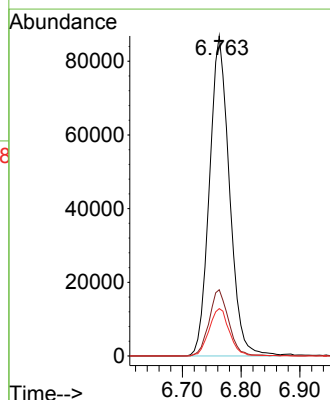
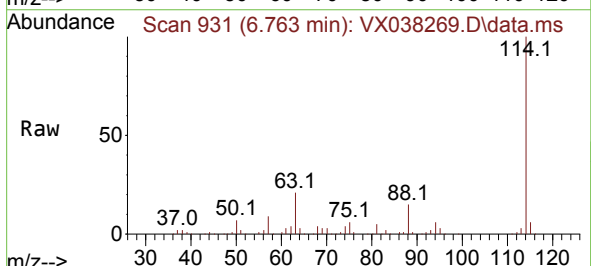
Tgt Ion: 114 Resp: 205077

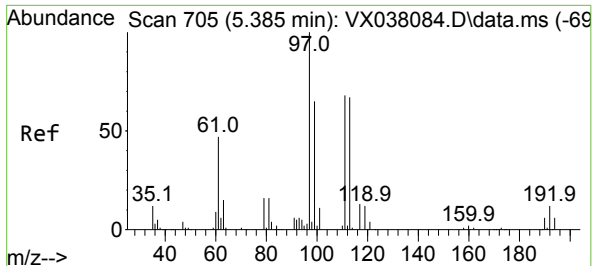
Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.0

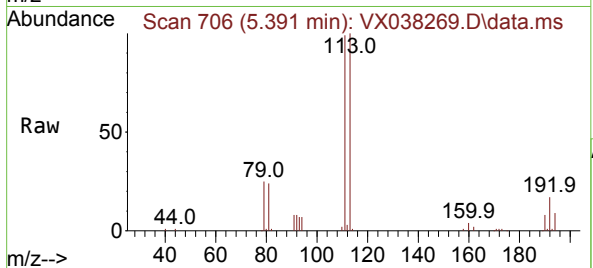
88 14.8 0.0 36.6



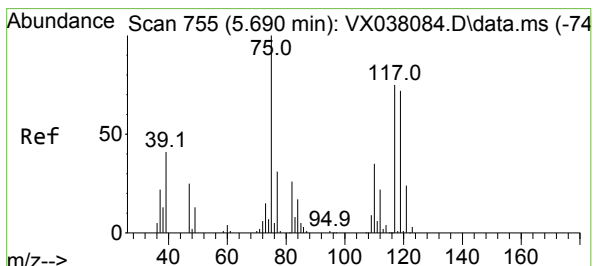
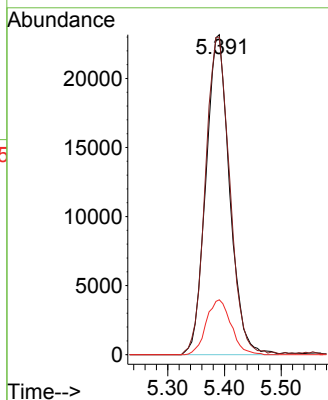
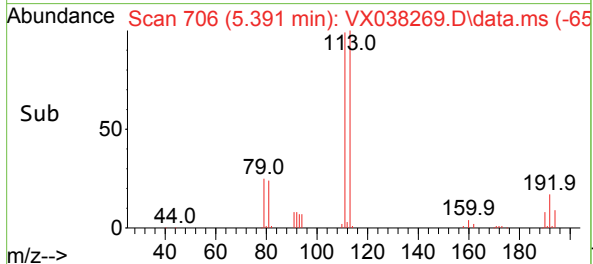


#35
Dibromofluoromethane
Concen: 45.469 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Instrument :
MSVOA_X
ClientSampleId :

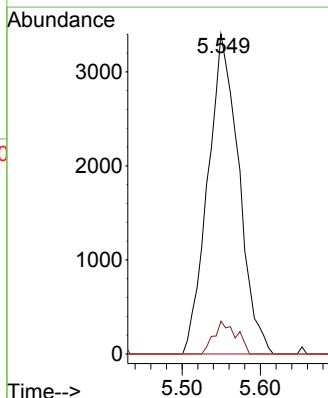
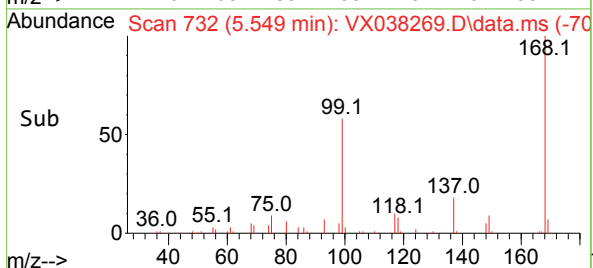
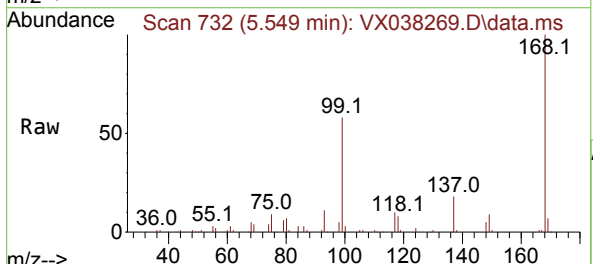


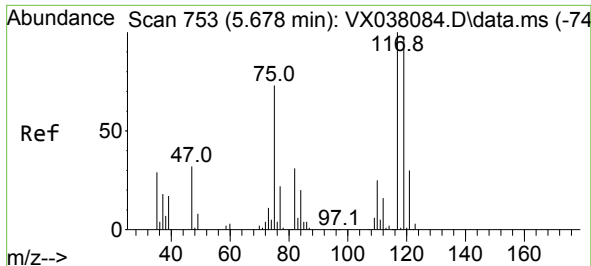
Tgt Ion:113 Resp: 67190
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.583 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

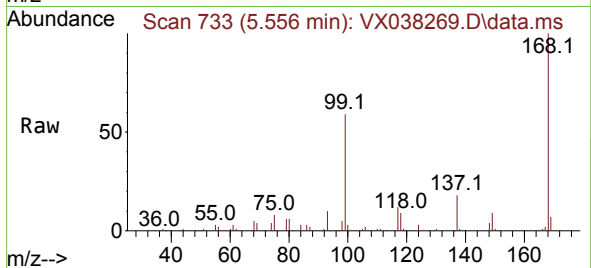
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Ion Ratio Lower Upper
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110 7.4 17.0 50.9#
77 0.0 24.7 37.1#



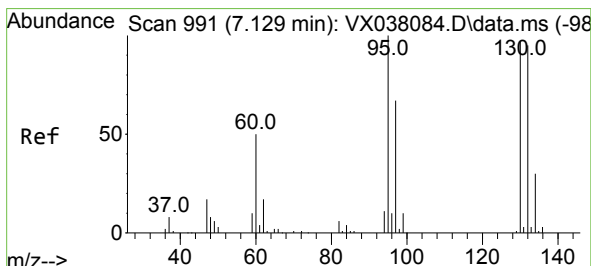
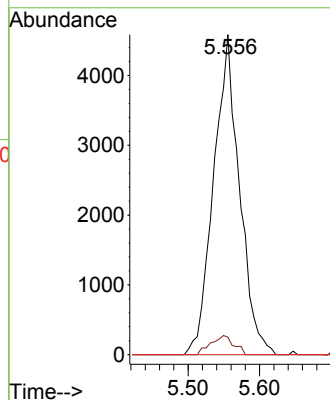
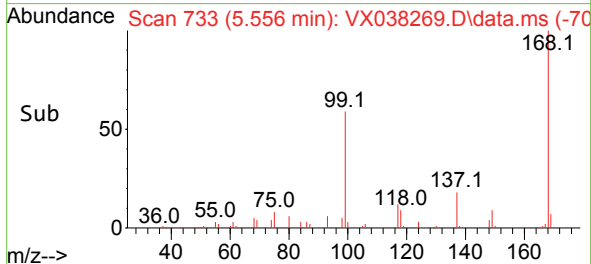


#38
Carbon Tetrachloride
Concen: 5.748 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Instrument :
MSVOA_X
ClientSampleId :

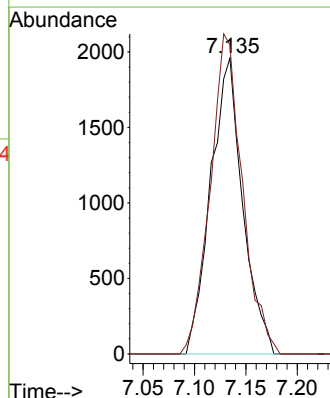
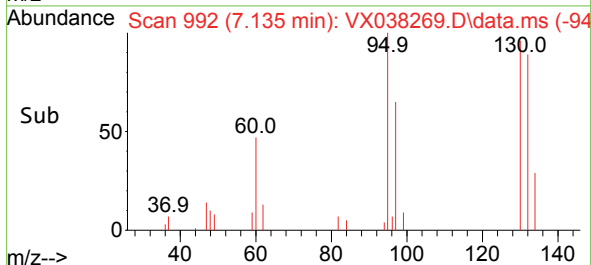
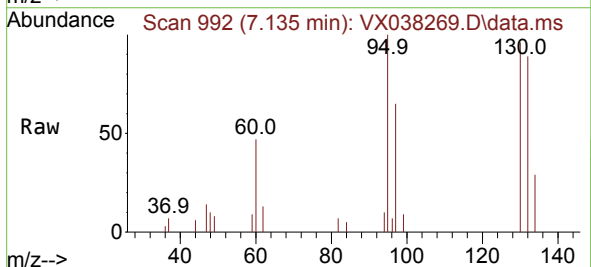


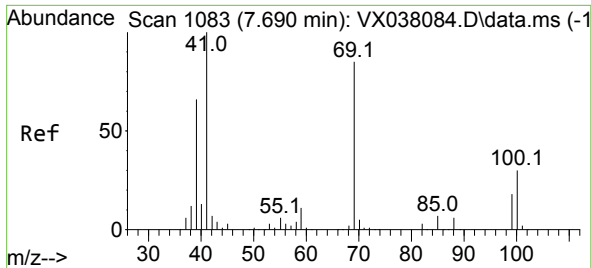
Tgt Ion:117 Resp: 11523
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 2.850 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Tgt Ion:130 Resp: 4249
Ion Ratio Lower Upper
130 100
95 104.4 0.0 204.4

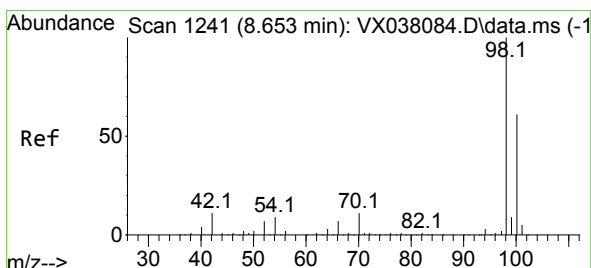
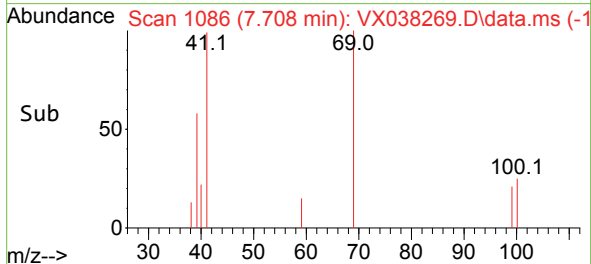
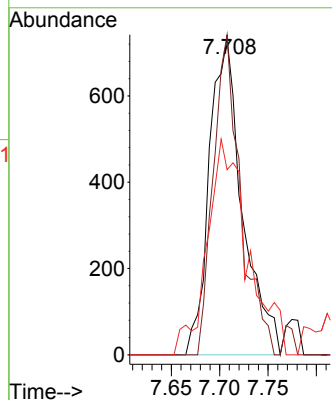
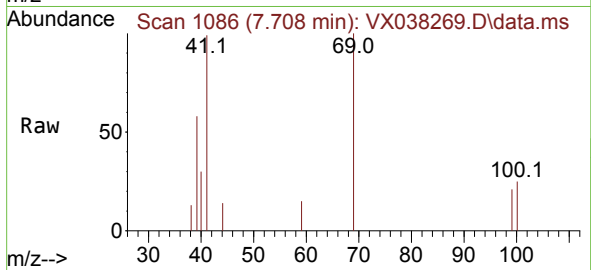




#48
Methyl methacrylate
Concen: 1.011 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.018 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

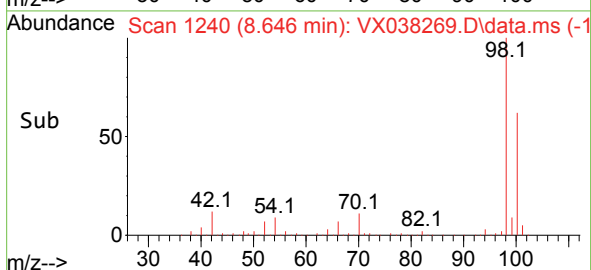
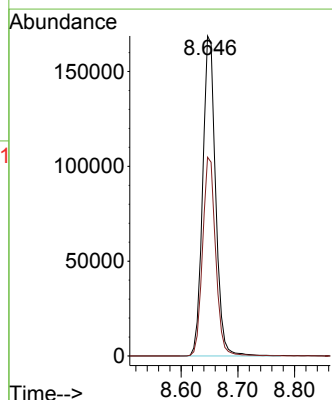
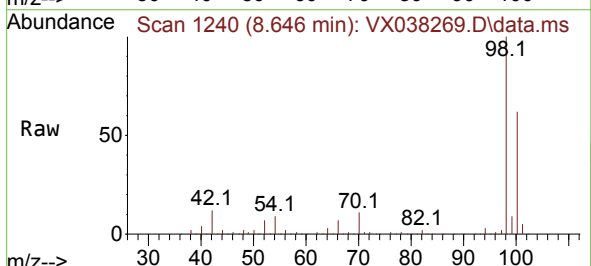
Instrument :
MSVOA_X
ClientSampleId :

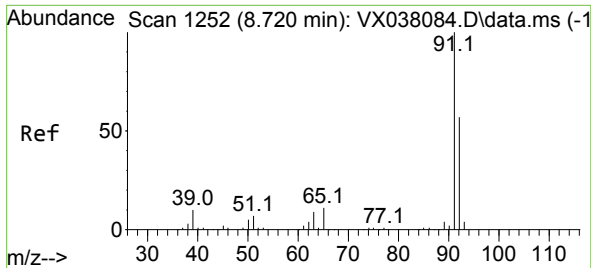
Tgt Ion: 41 Resp: 1744
Ion Ratio Lower Upper
41 100
69 83.4 59.2 88.8
39 82.7 47.7 71.5#



#50
Toluene-d8
Concen: 47.344 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.007 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Tgt Ion: 98 Resp: 267339
Ion Ratio Lower Upper
98 100
100 62.7 53.1 79.7

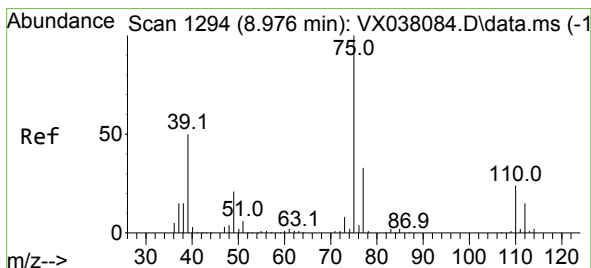
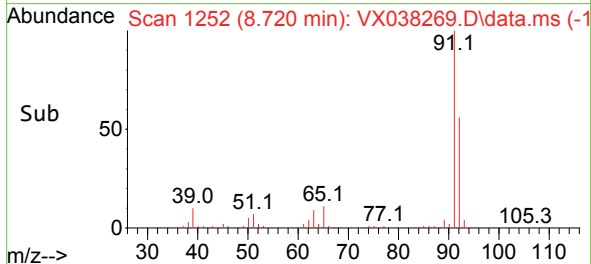
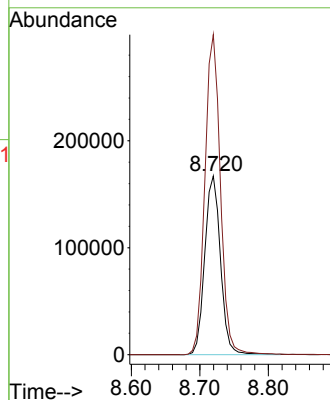
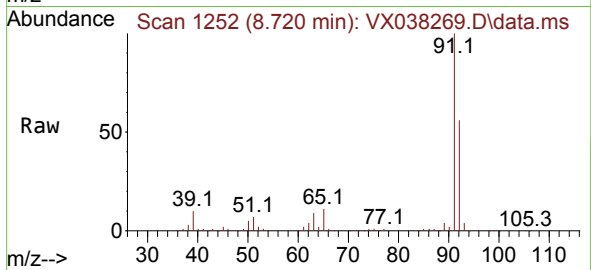




#52
Toluene
Concen: 71.982 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

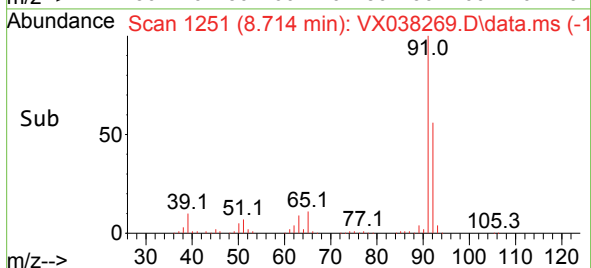
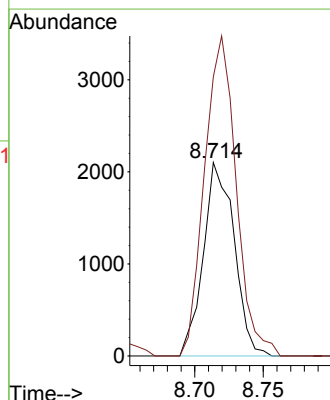
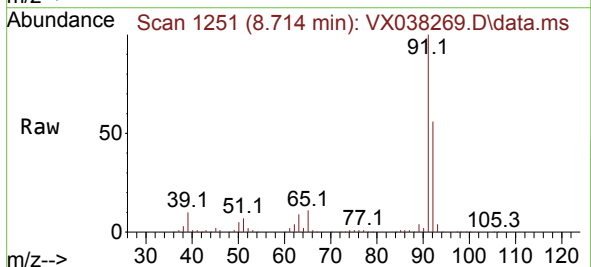
Instrument :
MSVOA_X
ClientSampleId :

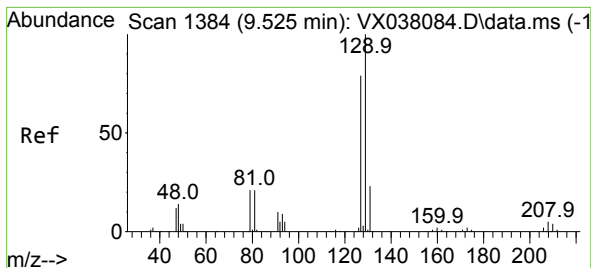
Tgt Ion: 92 Resp: 267244
Ion Ratio Lower Upper
92 100
91 177.5 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 1.504 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.262 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Tgt Ion: 75 Resp: 3286
Ion Ratio Lower Upper
75 100
77 144.2 25.7 38.5#





#60

Dibromochloromethane

Concen: 2.379 ug/l

RT: 9.274 min Scan# 11

Delta R.T. -0.251 min

Lab File: VX038269.D

Acq: 12 Oct 2023 20:04

Instrument :

MSVOA_X

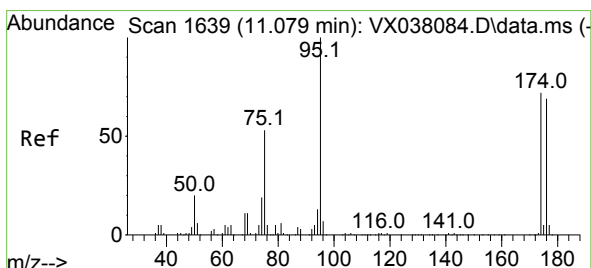
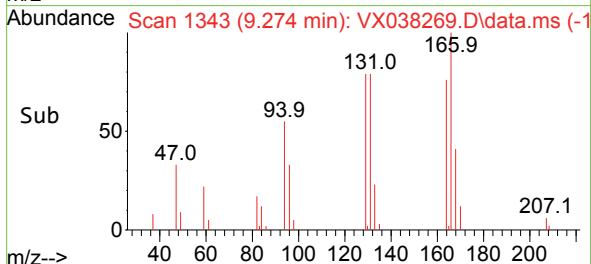
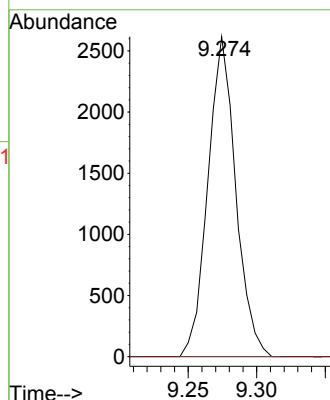
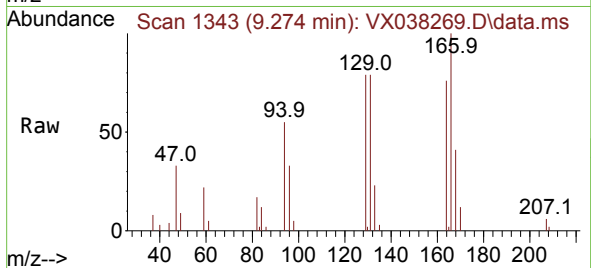
ClientSampleId :

Tgt Ion:129 Resp: 3698

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#



#62

4-Bromofluorobenzene

Concen: 47.680 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX038269.D

Acq: 12 Oct 2023 20:04

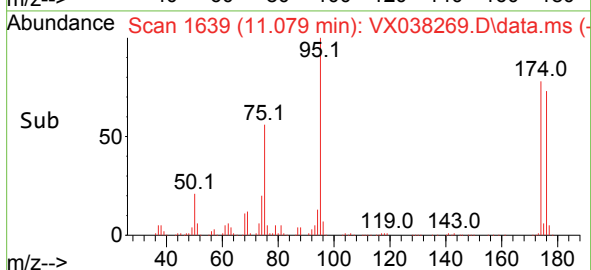
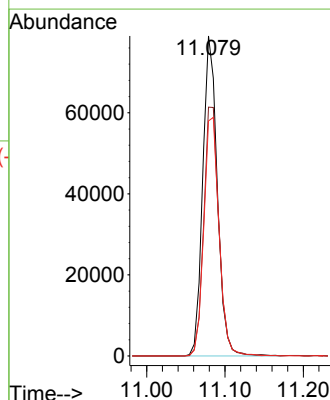
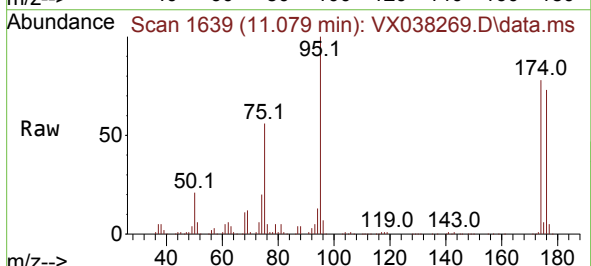
Tgt Ion: 95 Resp: 102070

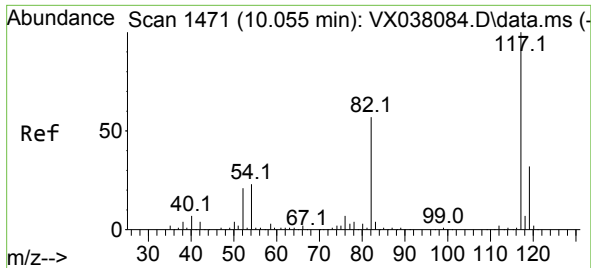
Ion Ratio Lower Upper

95 100

174 80.9 0.0 135.6

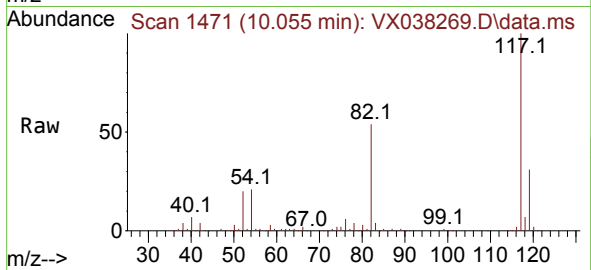
176 78.2 0.0 131.0



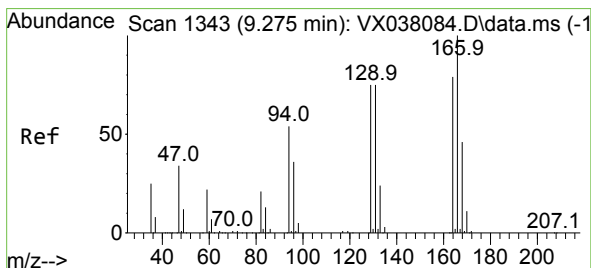
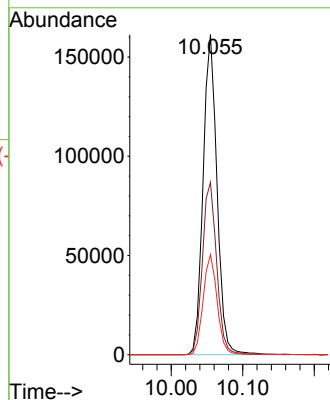
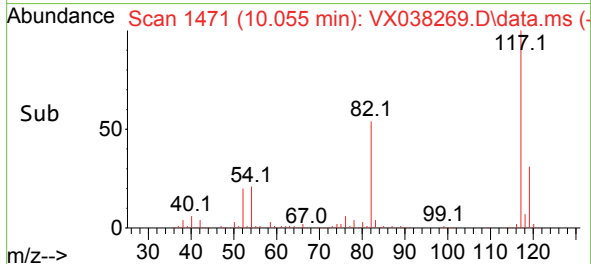


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Instrument :
MSVOA_X
ClientSampleId :

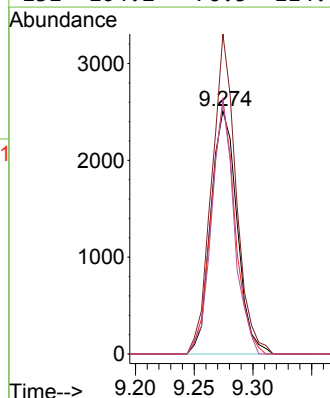
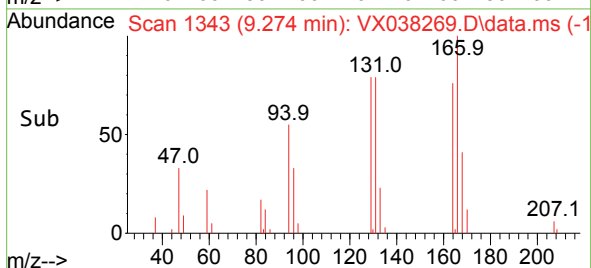
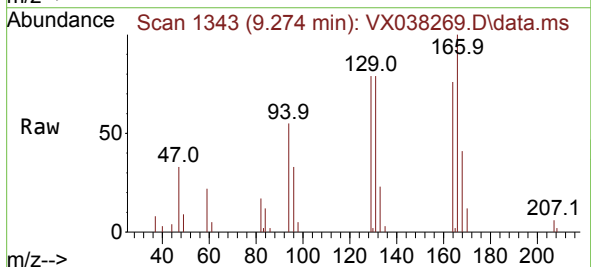


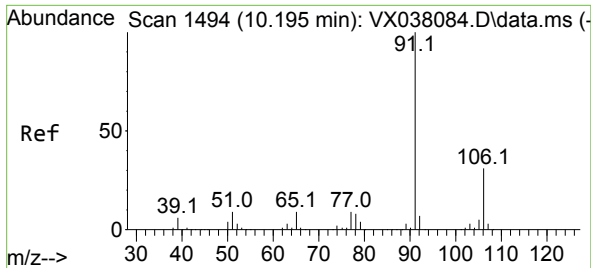
Tgt Ion:117 Resp: 217893
Ion Ratio Lower Upper
117 100
82 53.8 46.2 69.4
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 2.757 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX038269.D
Acq: 12 Oct 2023 20:04

Tgt Ion:164 Resp: 3889
Ion Ratio Lower Upper
164 100
166 131.8 102.7 154.1
129 104.3 80.4 120.6
131 104.2 76.5 114.7





#67

Ethyl Benzene

Concen: 0.412 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX038269.D

Acq: 12 Oct 2023 20:04

Instrument :

MSVOA_X

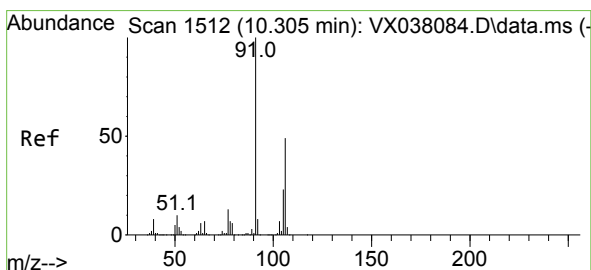
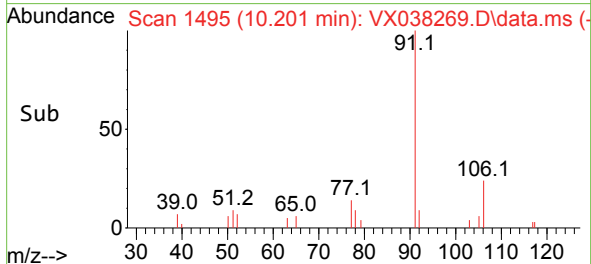
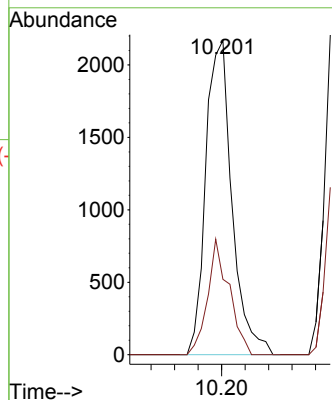
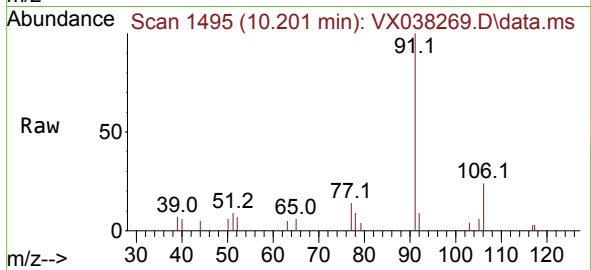
ClientSampleId :

Tgt Ion: 91 Resp: 3357

Ion Ratio Lower Upper

91 100

106 24.0 24.9 37.3#



#68

m/p-Xylenes

Concen: 1.012 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX038269.D

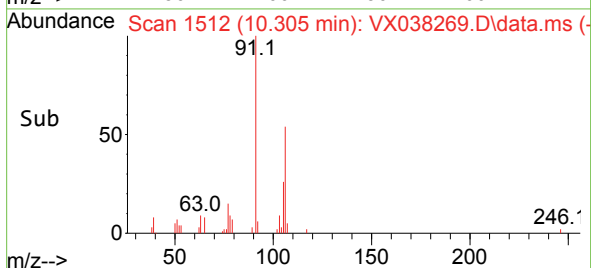
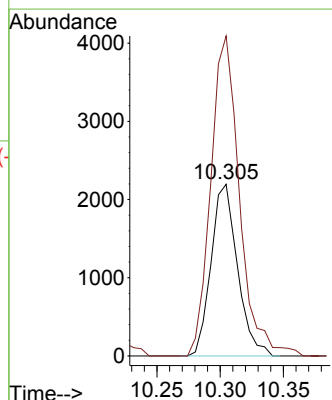
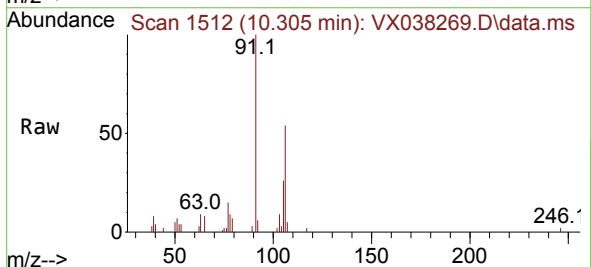
Acq: 12 Oct 2023 20:04

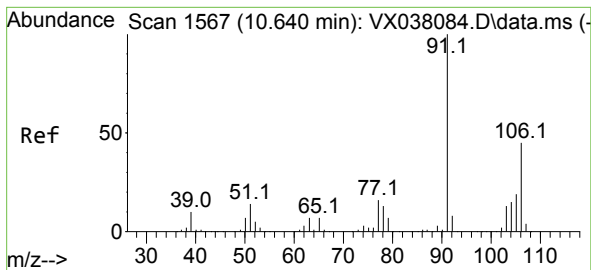
Tgt Ion:106 Resp: 3184

Ion Ratio Lower Upper

106 100

91 203.0 165.5 248.3





#69

o-Xylene

Concen: 0.517 ug/l

RT: 10.646 min Scan# 1567

Delta R.T. 0.006 min

Lab File: VX038269.D

Acq: 12 Oct 2023 20:04

Instrument :

MSVOA_X

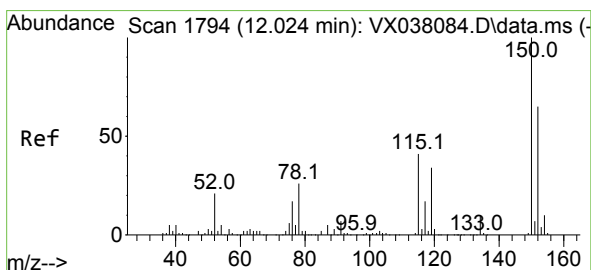
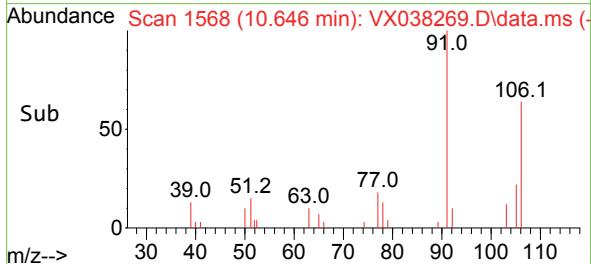
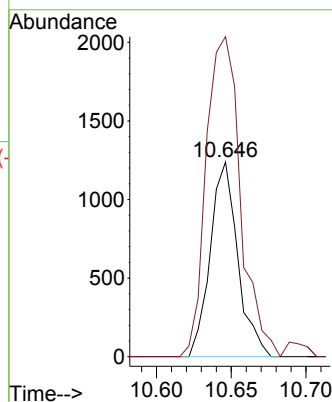
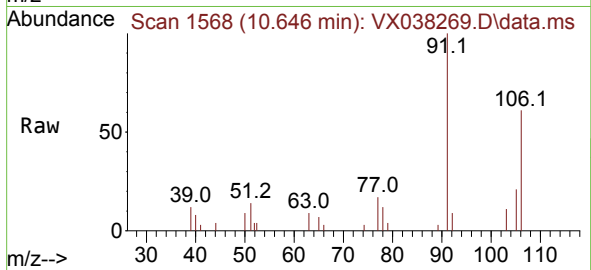
ClientSampleId :

Tgt Ion:106 Resp: 1588

Ion Ratio Lower Upper

106 100

91 204.5 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX038269.D

Acq: 12 Oct 2023 20:04

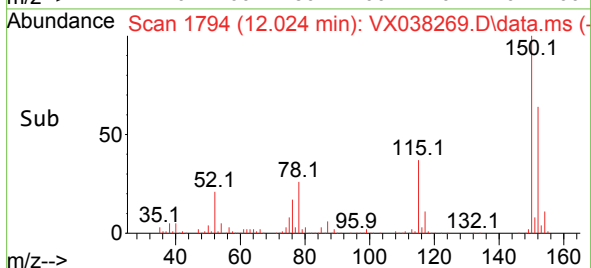
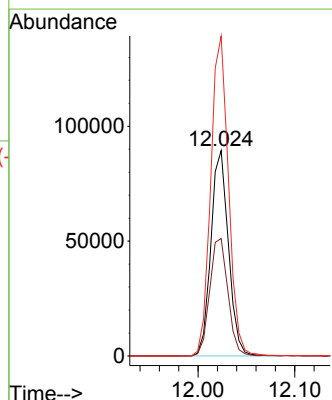
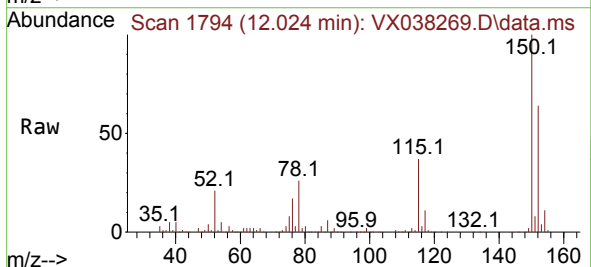
Tgt Ion:152 Resp: 112904

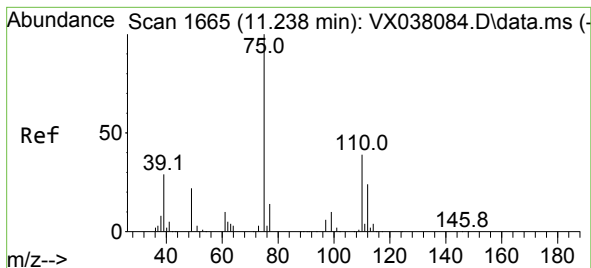
Ion Ratio Lower Upper

152 100

115 59.6 43.3 129.9

150 157.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.792 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038269.D

Acq: 12 Oct 2023 20:04

Instrument :

MSVOA_X

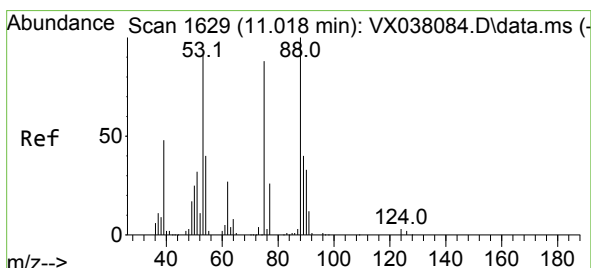
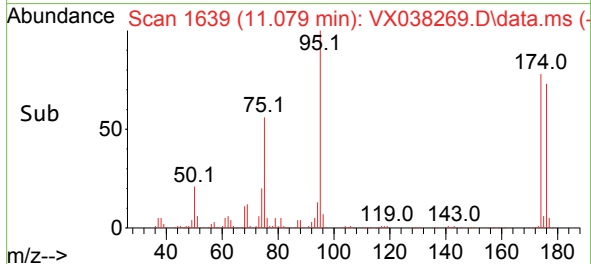
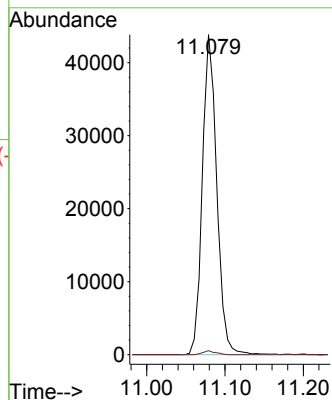
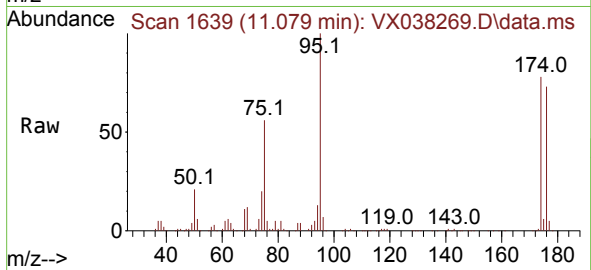
ClientSampleId :

Tgt Ion: 75 Resp: 55935

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.533 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038269.D

Acq: 12 Oct 2023 20:04

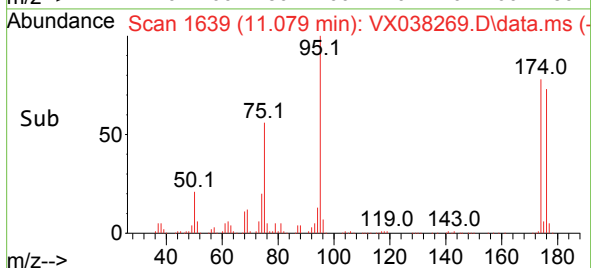
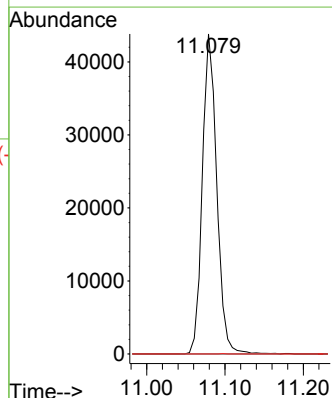
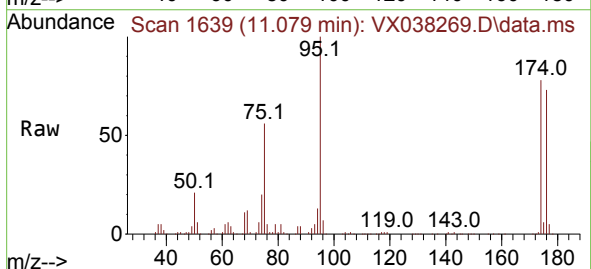
Tgt Ion: 75 Resp: 55935

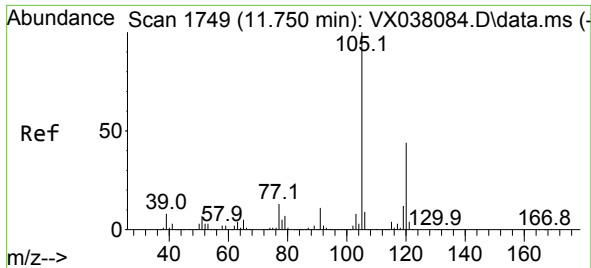
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

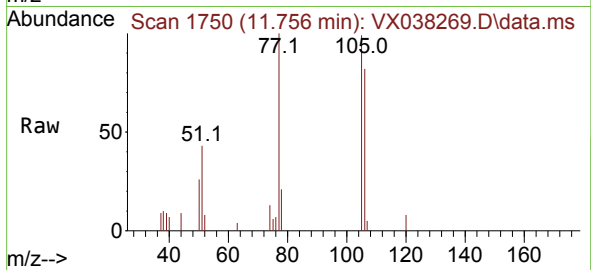
89 0.1 36.9 55.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.393 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038269.D
 Acq: 12 Oct 2023 20:04

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:105 Resp: 2560
 Ion Ratio Lower Upper
 105 100
 120 4.6 21.2 63.6#

