

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038206.D
 Acq On : 10 Oct 2023 17:05
 Operator : JC/MD
 Sample : 04782-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 01:40:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

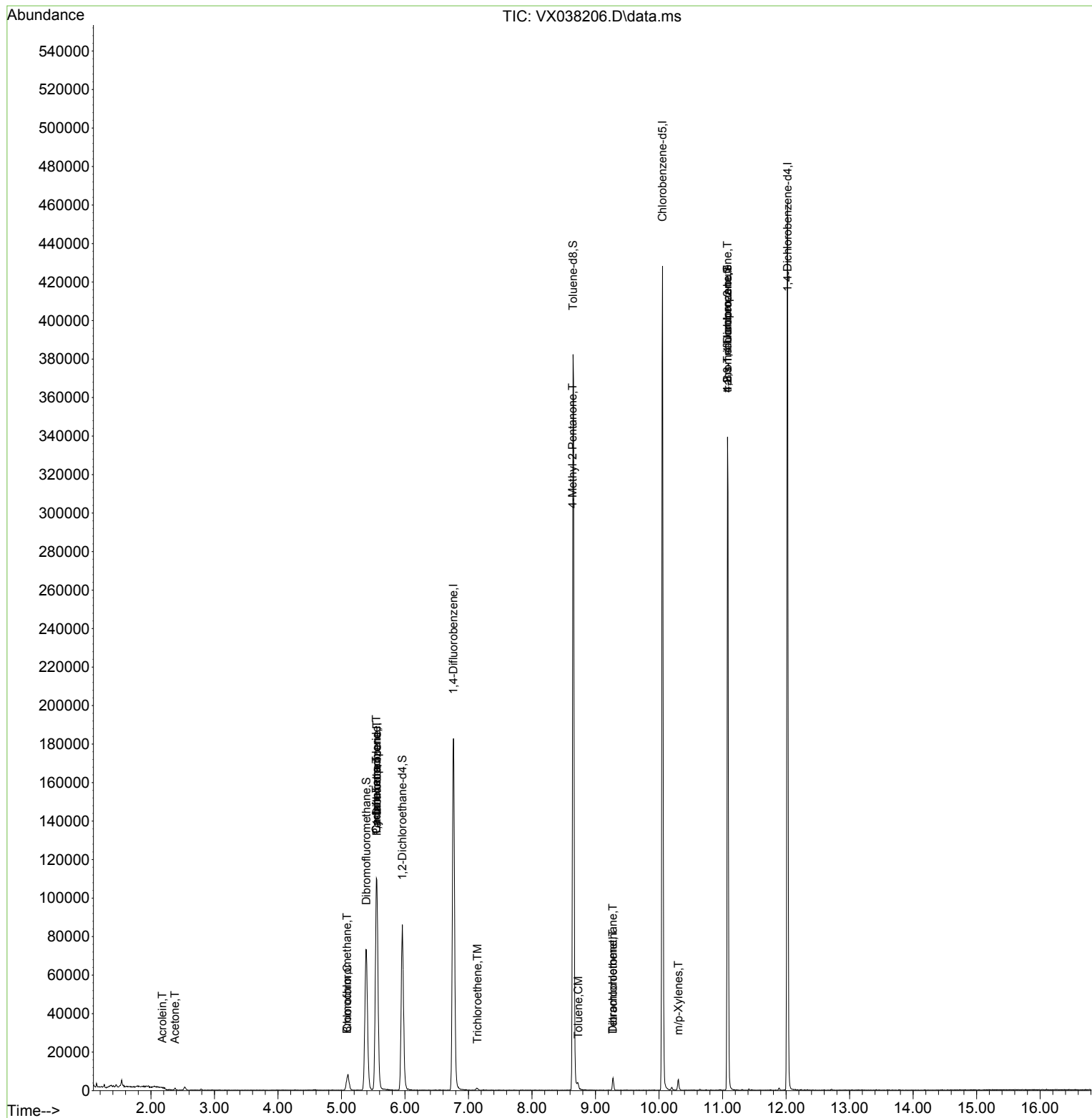
Internal Standards						
1) Pentafluorobenzene	5.556	168	104416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189723	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78341	46.646	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.300%
35) Dibromofluoromethane	5.391	113	62447	45.679	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.360%
50) Toluene-d8	8.647	98	235683	45.116	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.240%#
62) 4-Bromofluorobenzene	11.079	95	85707	43.277	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.560%
Target Compounds						
					Qvalue	
5) Bromomethane	1.569	94	19	Below Cal	#	3
6) Chloroethane	1.672	64	221	Below Cal	#	43
11) Tert butyl alcohol	2.959	59	37	Below Cal	#	78
13) Acrolein	2.178	56	53	0.222	ug/l #	14
16) Acetone	2.380	43	1027	1.465	ug/l	91
28) Bromochloromethane	5.086	49	741	0.755	ug/l #	16
30) Chloroform	5.093	83	9034	3.801	ug/l	90
31) Cyclohexane	5.550	56	2431	1.336	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8756	4.645	ug/l #	50
38) Carbon Tetrachloride	5.550	117	10929	5.893	ug/l #	16
44) Trichloroethene	7.141	130	426	0.309	ug/l	77
51) 4-Methyl-2-Pentanone	8.641	43	1112	0.482	ug/l #	1
52) Toluene	8.726	92	1063	0.309	ug/l #	75
60) Dibromochloromethane	9.275	129	1098	0.764	ug/l #	11
64) Tetrachloroethene	9.275	164	1139	0.941	ug/l #	86
68) m/p-Xylenes	10.305	106	1456	0.539	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	47158	22.395	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	47158	64.150	ug/l #	5

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

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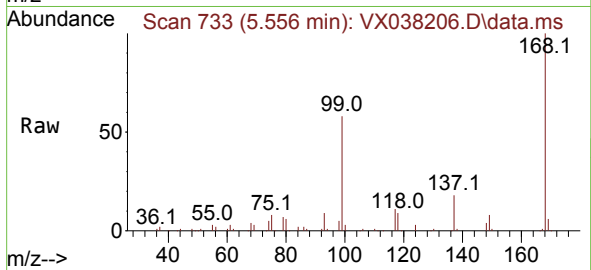
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



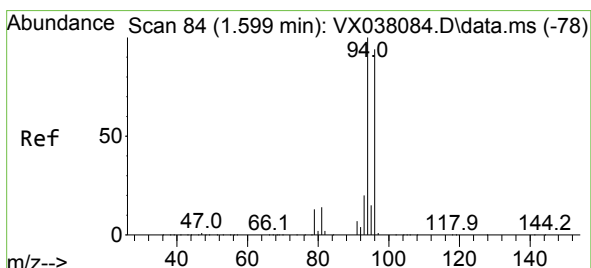
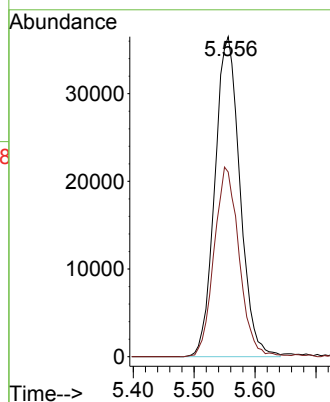
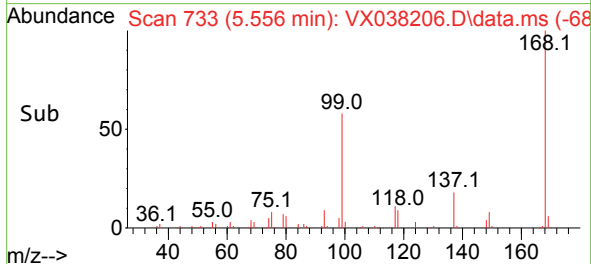


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

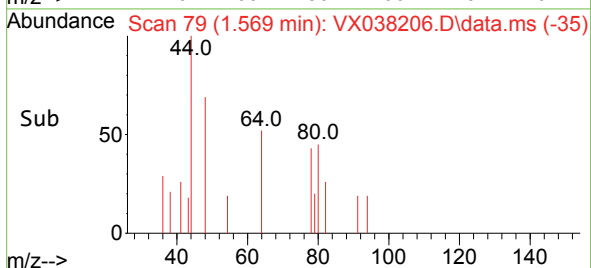
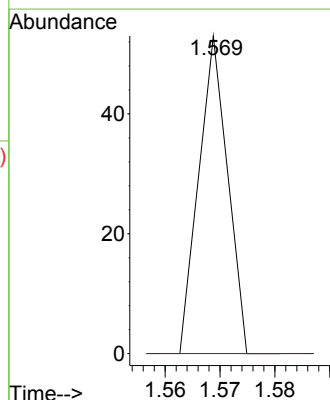
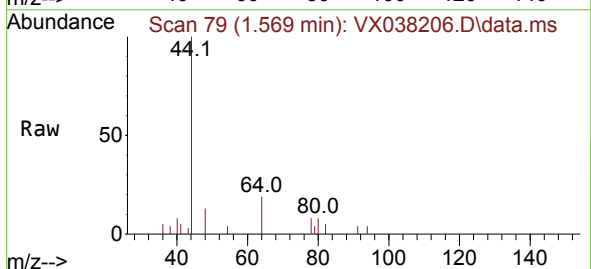


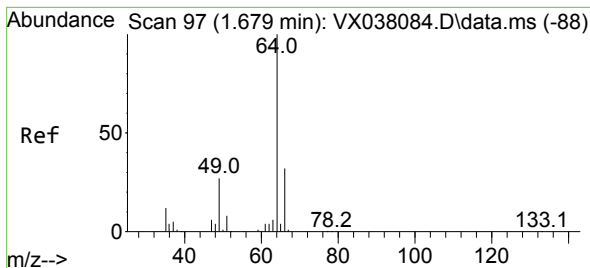
Tgt Ion:168 Resp: 104416
Ion Ratio Lower Upper
168 100
99 57.7 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.569 min Scan# 79
Delta R.T. -0.030 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Tgt Ion: 94 Resp: 19
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: VX038206.D

Acq: 10 Oct 2023 17:05

Instrument :

MSVOA_X

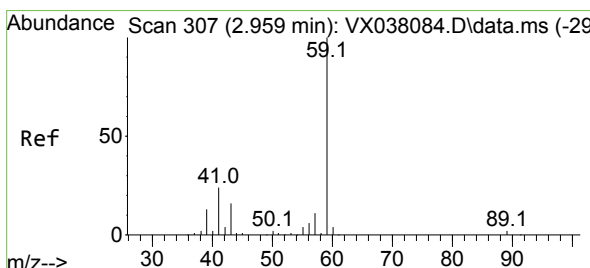
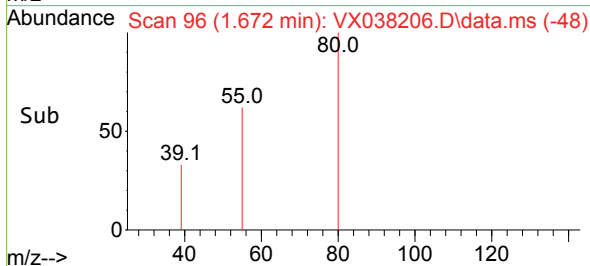
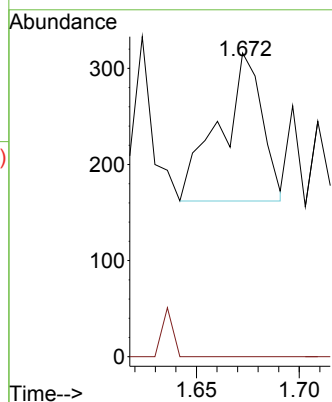
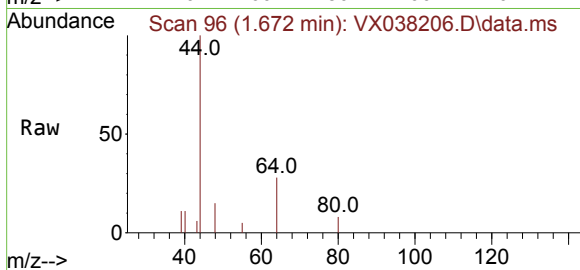
ClientSampleId :

Tgt Ion: 64 Resp: 221

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 307

Delta R.T. -0.000 min

Lab File: VX038206.D

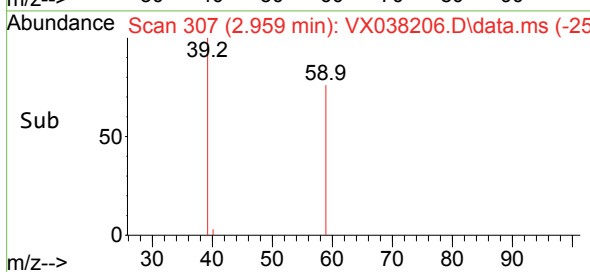
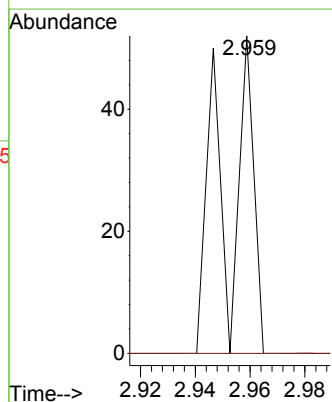
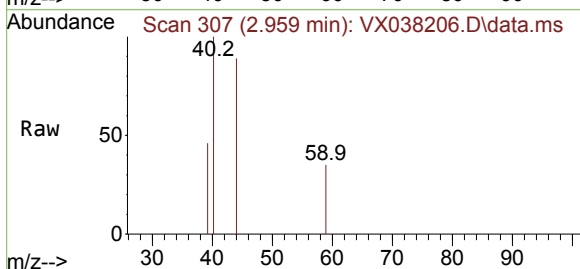
Acq: 10 Oct 2023 17:05

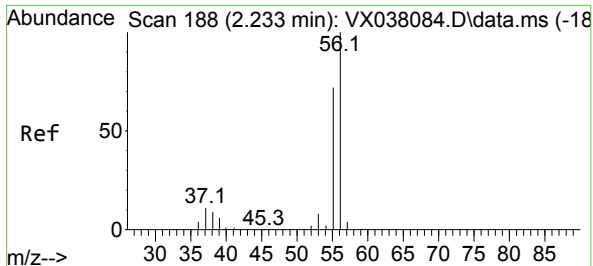
Tgt Ion: 59 Resp: 37

Ion Ratio Lower Upper

59 100

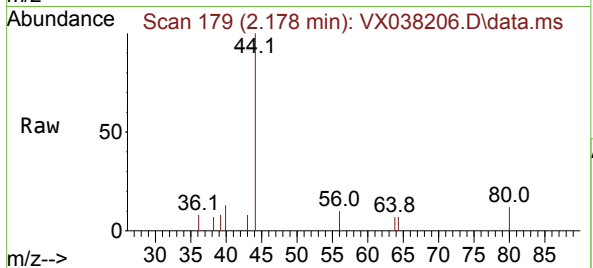
57 0.0 6.0 9.0#



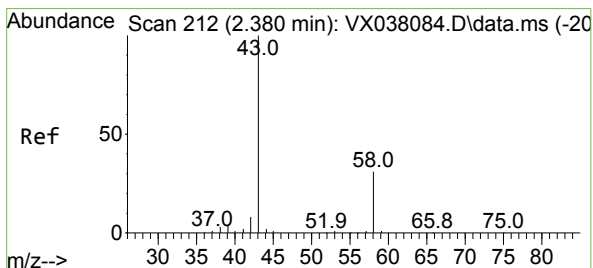
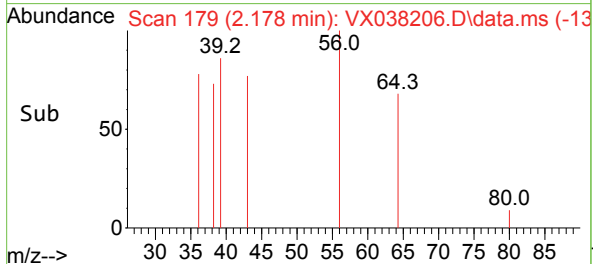
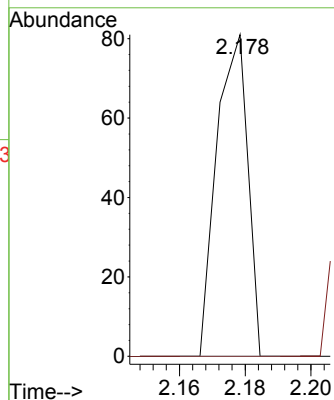


#13
Acrolein
Concen: 0.222 ug/l
RT: 2.178 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

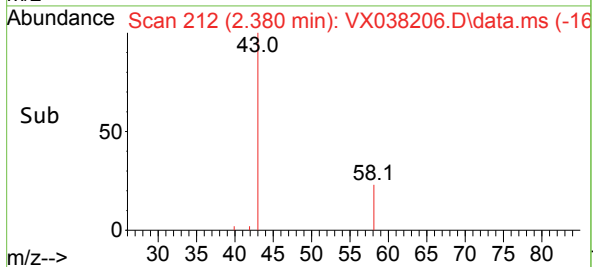
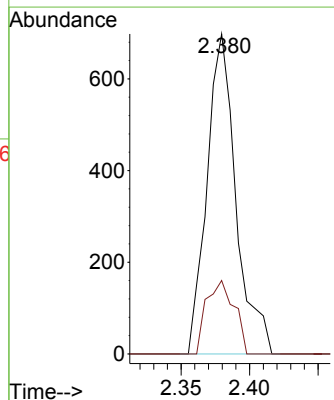
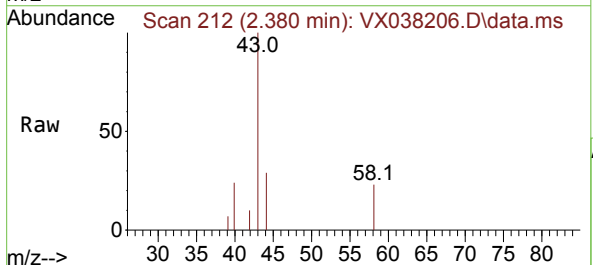


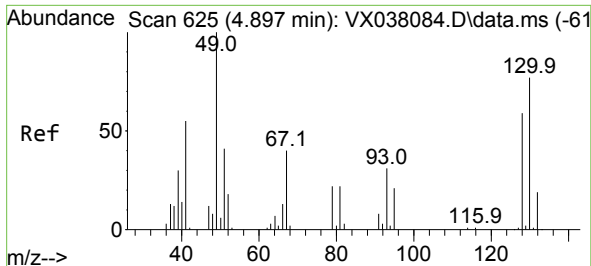
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 1.465 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

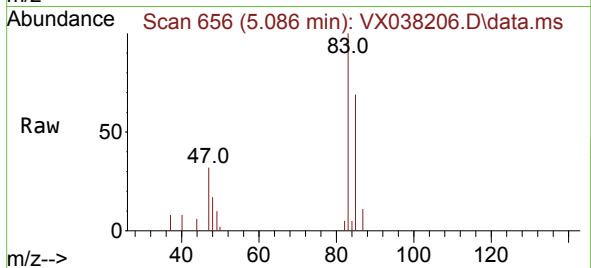
Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
58 22.9 21.9 32.9



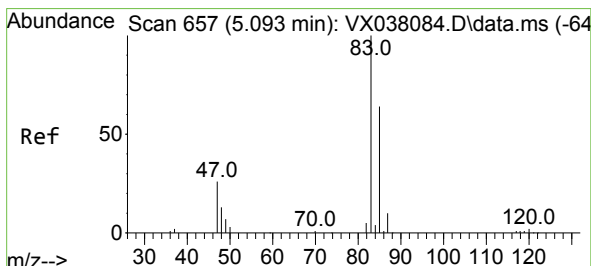
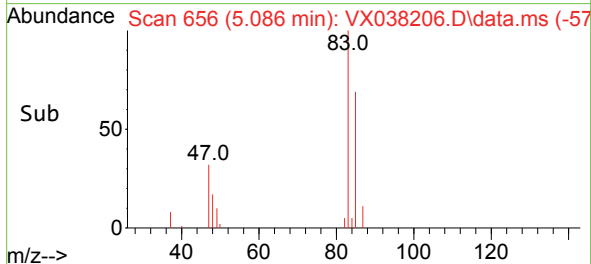
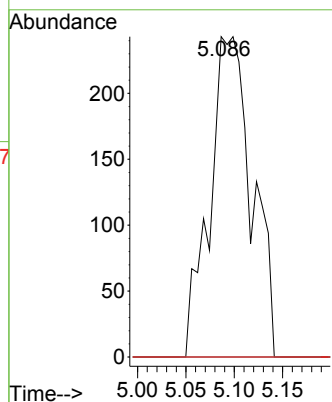


#28
Bromochloromethane
Concen: 0.755 ug/l
RT: 5.086 min Scan# 61
Delta R.T. 0.189 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

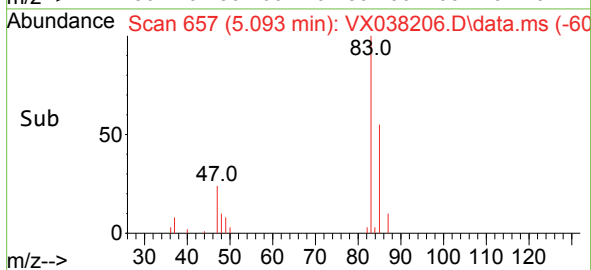
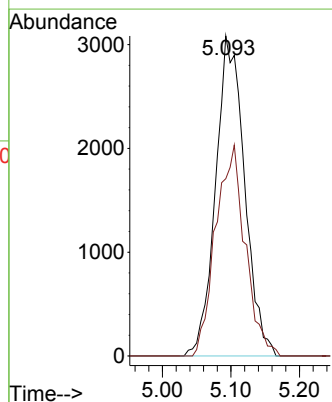
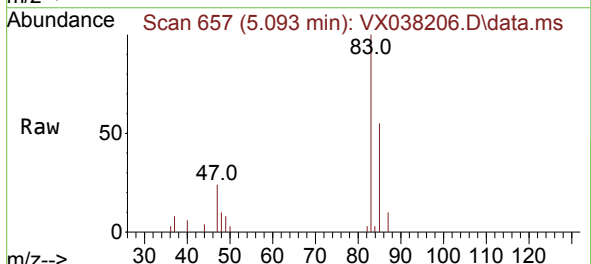


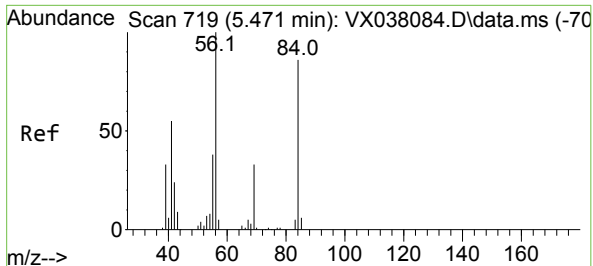
Tgt Ion: 49 Resp: 741
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 3.801 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.000 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

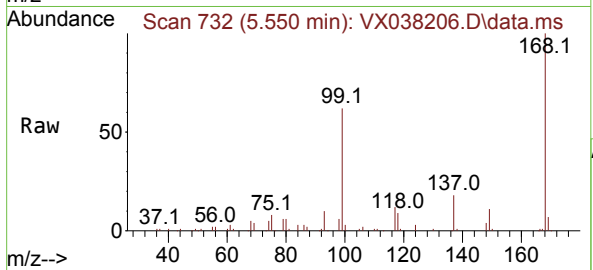
Tgt Ion: 83 Resp: 9034
Ion Ratio Lower Upper
83 100
85 55.4 50.3 75.5



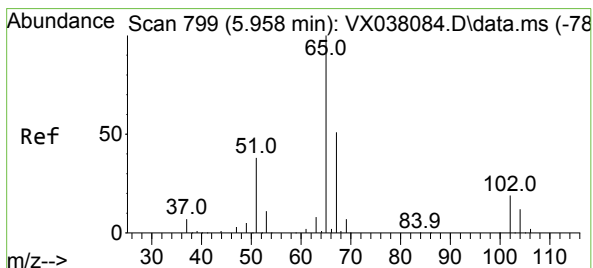
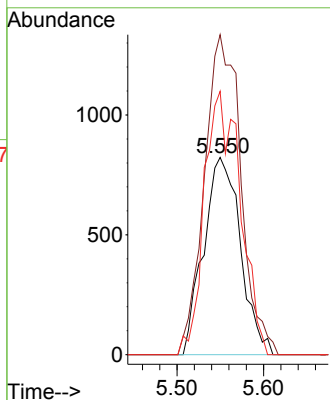
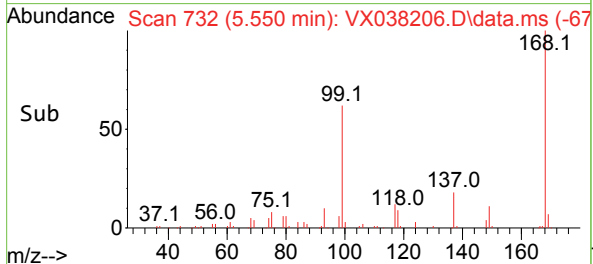


#31
Cyclohexane
Concen: 1.336 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

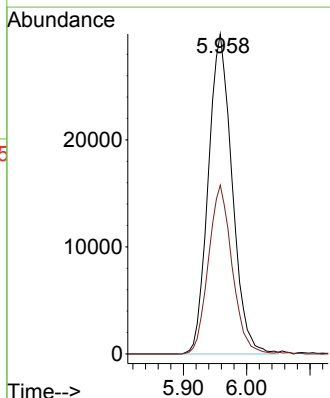
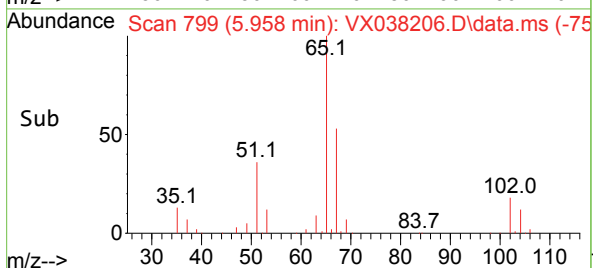
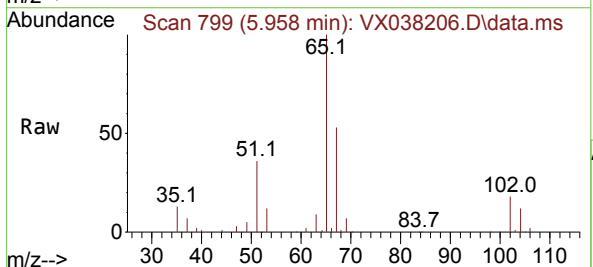


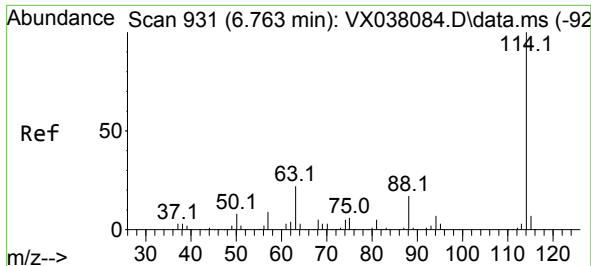
Tgt Ion: 56 Resp: 2431
Ion Ratio Lower Upper
56 100
69 162.2 23.4 35.2#
84 133.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.646 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Tgt Ion: 65 Resp: 78341
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2

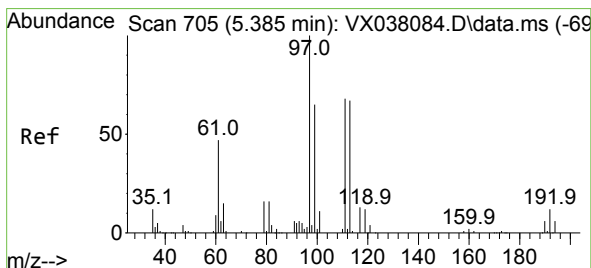
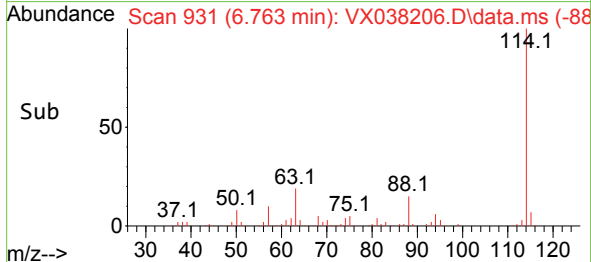
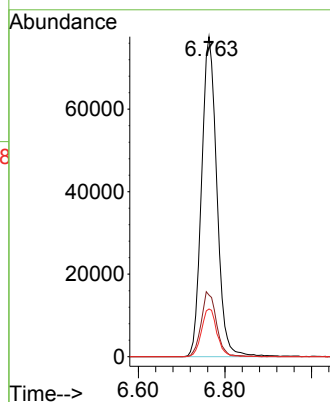
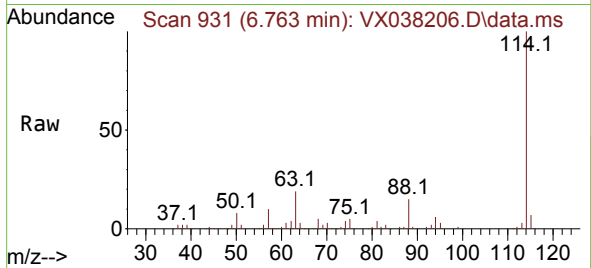




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

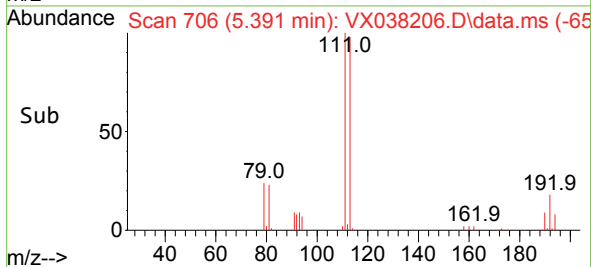
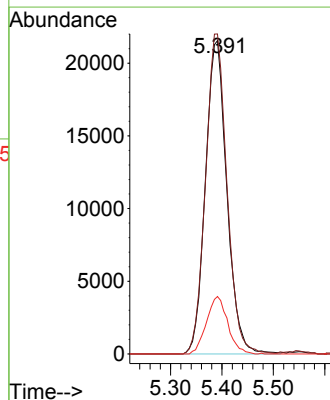
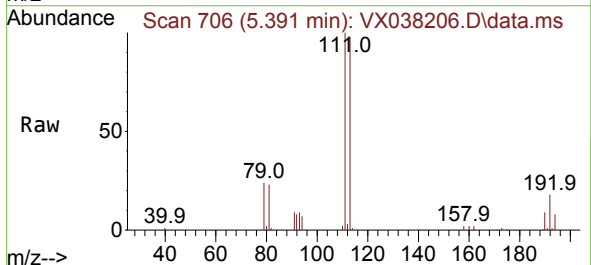
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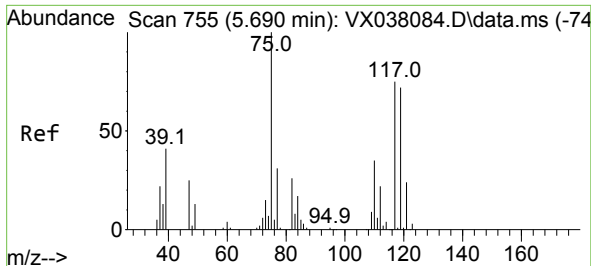
Tgt Ion:114 Resp: 189723
Ion Ratio Lower Upper
114 100
63 19.3 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.679 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

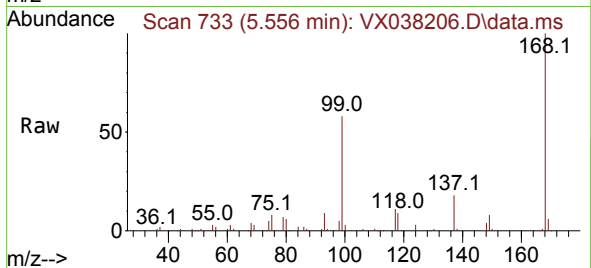
Tgt Ion:113 Resp: 62447
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 18.2 13.3 19.9



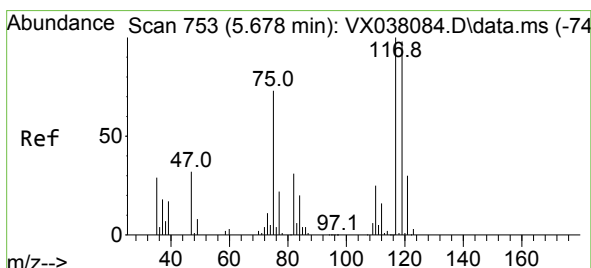
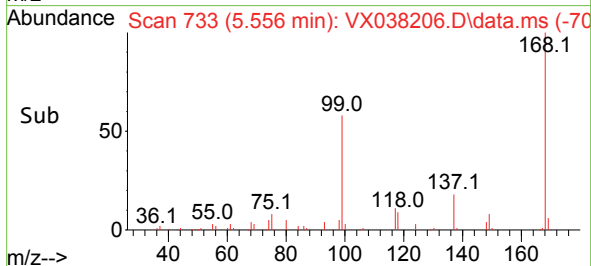
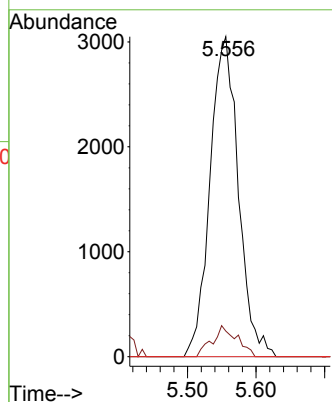


#36
1,1-Dichloropropene
Concen: 4.645 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

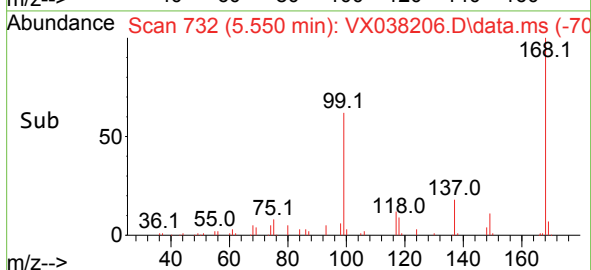
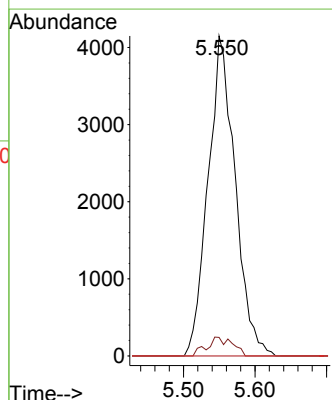
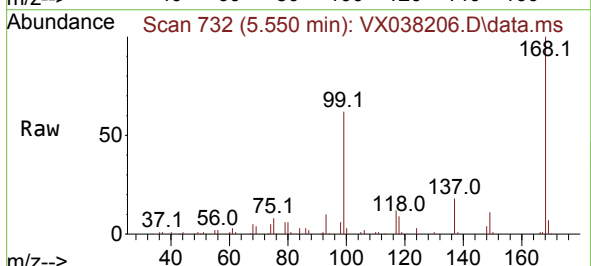


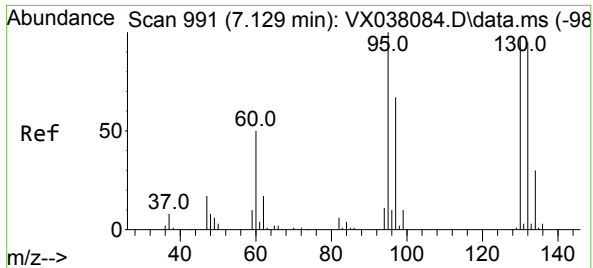
Tgt Ion: 75 Resp: 8756
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.893 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Tgt Ion: 117 Resp: 10929
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#

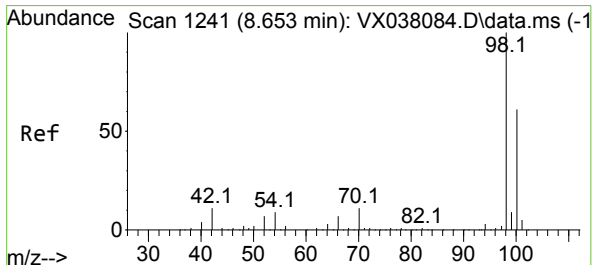
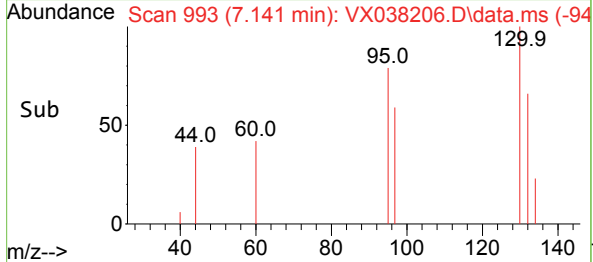
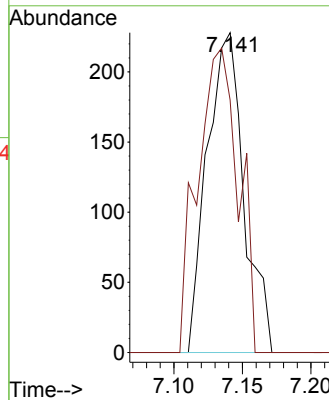
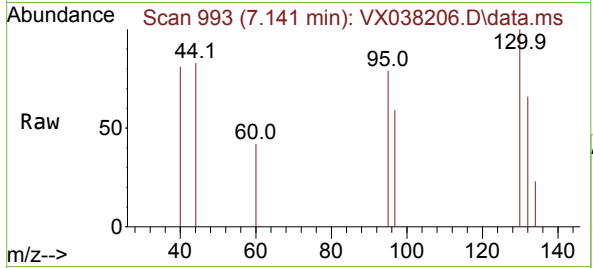




#44
Trichloroethene
Concen: 0.309 ug/l
RT: 7.141 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

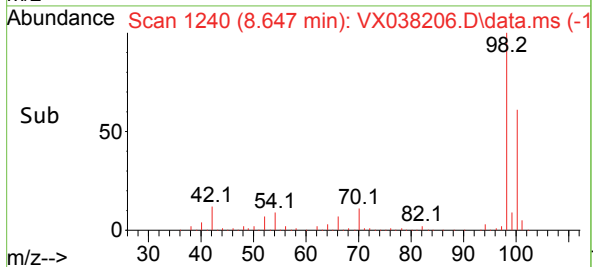
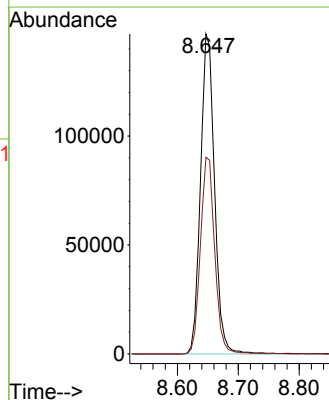
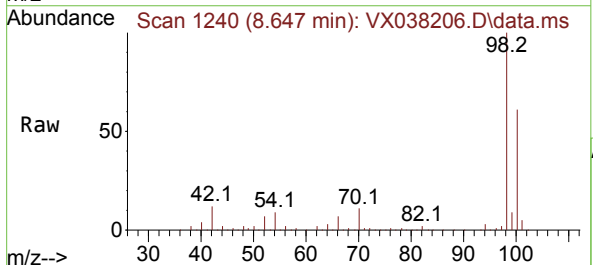
Instrument :
MSVOA_X
ClientSampleId :

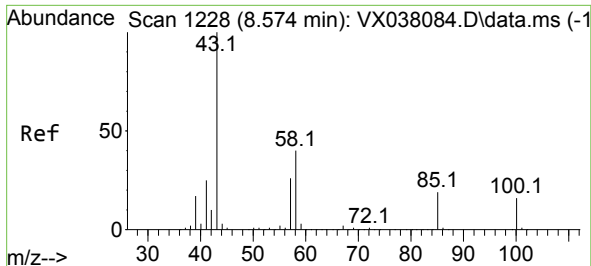
Tgt Ion:130 Resp: 426
Ion Ratio Lower Upper
130 100
95 78.9 0.0 204.4



#50
Toluene-d8
Concen: 45.116 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Tgt Ion: 98 Resp: 235683
Ion Ratio Lower Upper
98 100
100 62.7 53.1 79.7

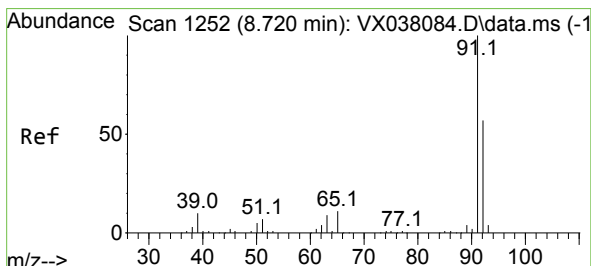
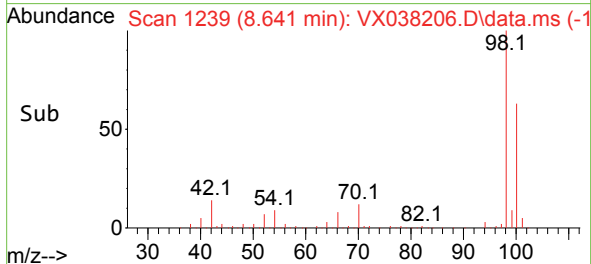
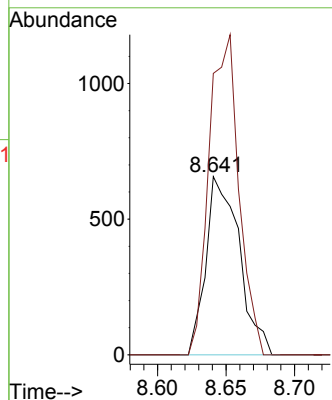
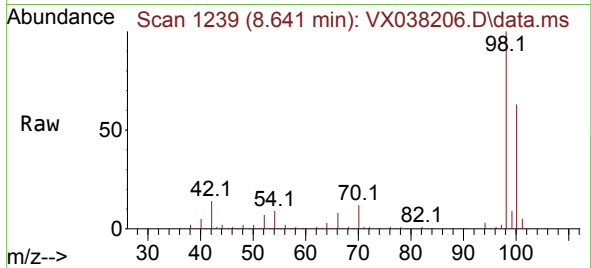




#51
4-Methyl-2-Pentanone
Concen: 0.482 ug/l
RT: 8.641 min Scan# 1112
Delta R.T. 0.067 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

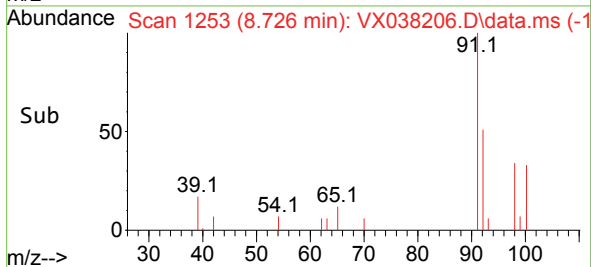
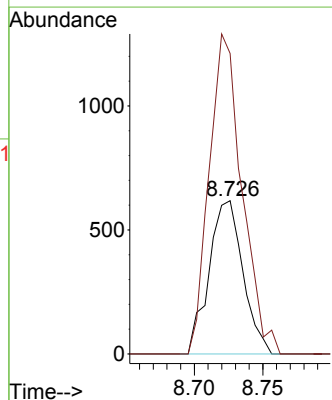
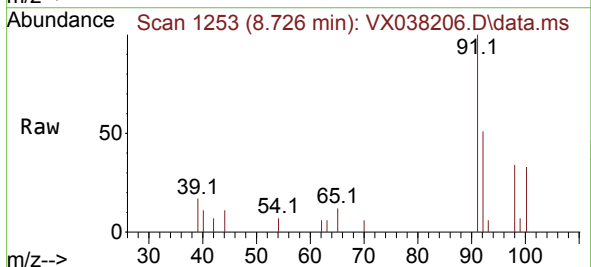
Instrument :
MSVOA_X
ClientSampleId :

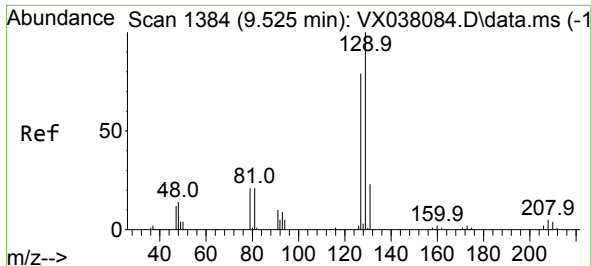
Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
58 161.2 30.4 45.6#



#52
Toluene
Concen: 0.309 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Tgt Ion: 92 Resp: 1063
Ion Ratio Lower Upper
92 100
91 202.3 134.2 201.2#

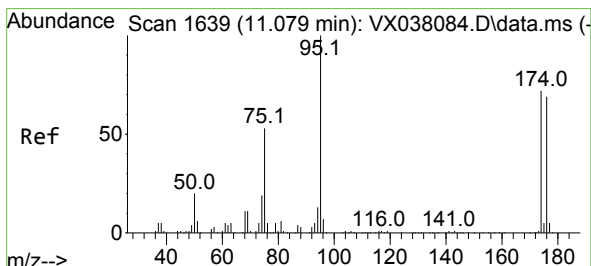
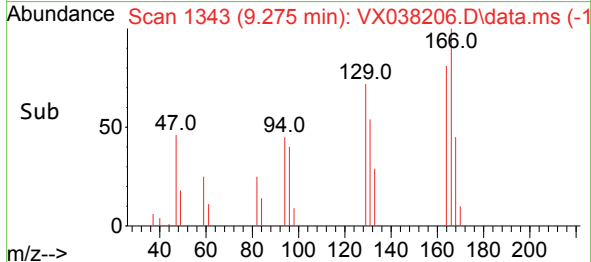
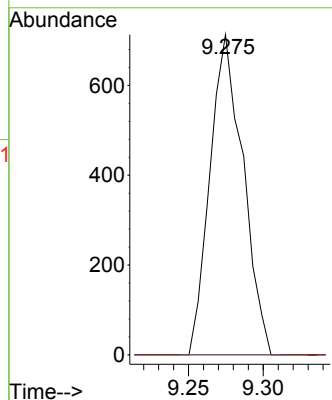
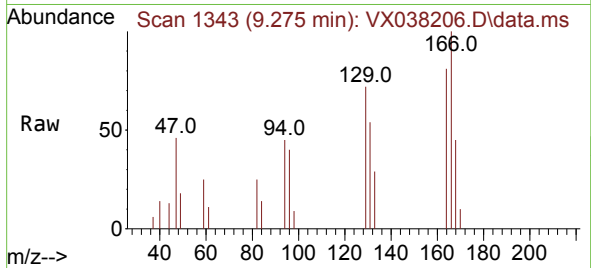




#60
Dibromochloromethane
Concen: 0.764 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

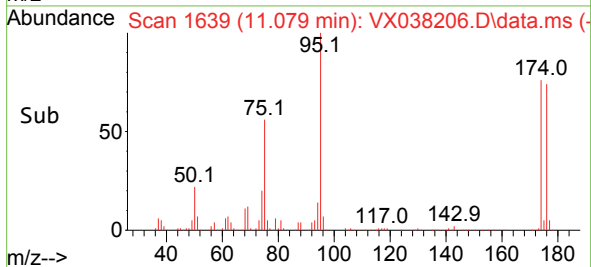
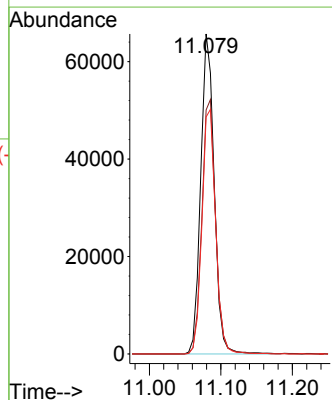
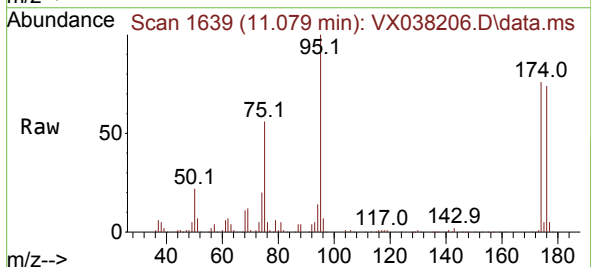
Instrument :
MSVOA_X
ClientSampleId :

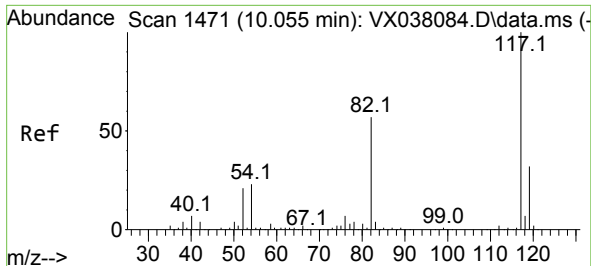
Tgt Ion:129 Resp: 1098
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 43.277 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

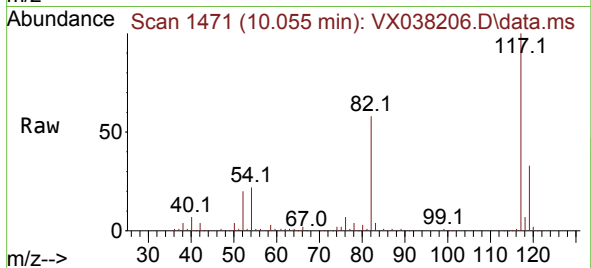
Tgt Ion: 95 Resp: 85707
Ion Ratio Lower Upper
95 100
174 81.3 0.0 135.6
176 78.0 0.0 131.0



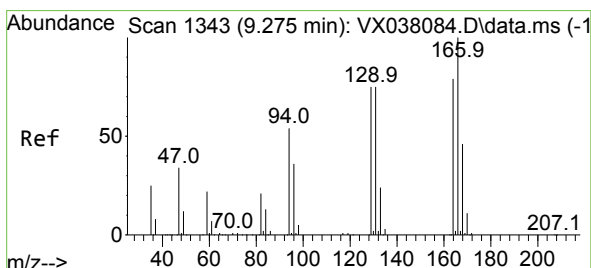
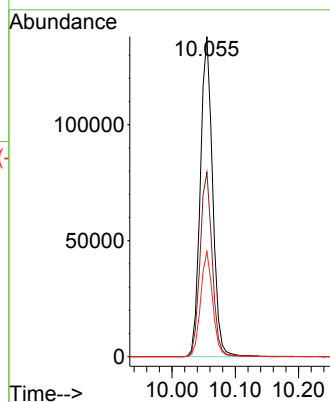
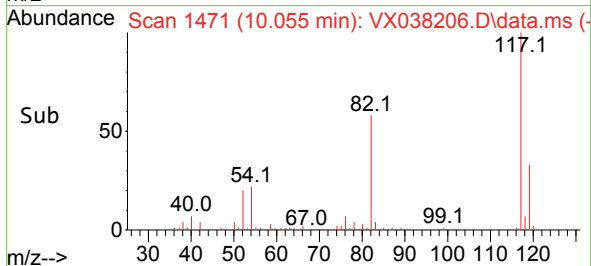


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :

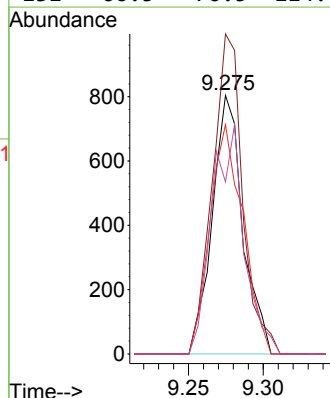
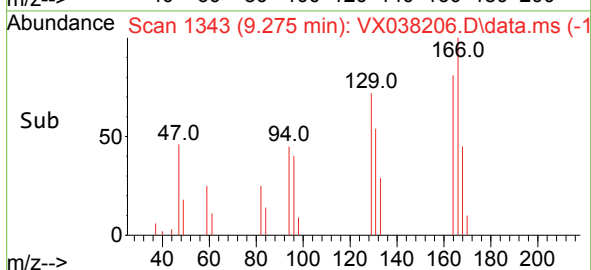
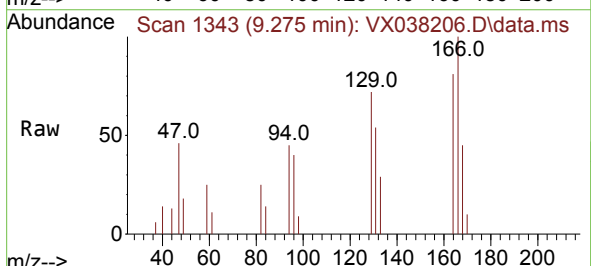


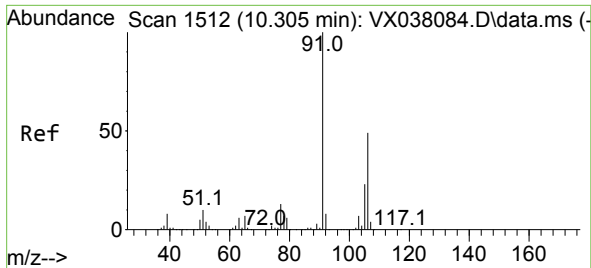
Tgt Ion:117 Resp: 187042
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.4
119 32.9 25.5 38.3



#64
Tetrachloroethene
Concen: 0.941 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Tgt Ion:164 Resp: 1139
Ion Ratio Lower Upper
164 100
166 123.8 102.7 154.1
129 88.7 80.4 120.6
131 66.5 76.5 114.7#

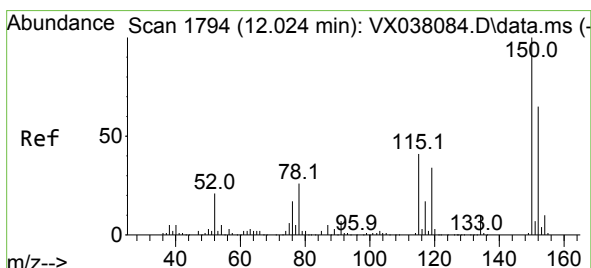
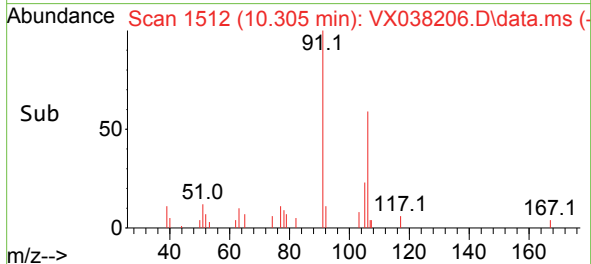
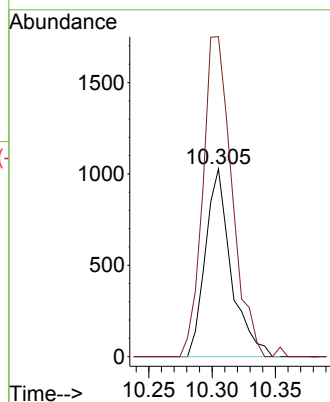
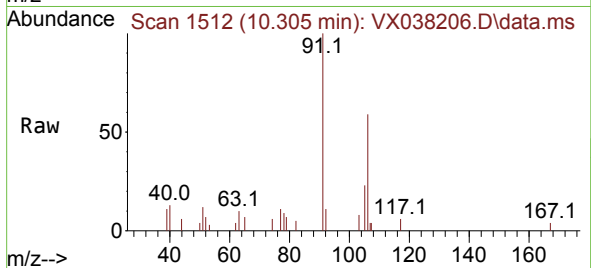




#68
m/p-Xylenes
Concen: 0.539 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

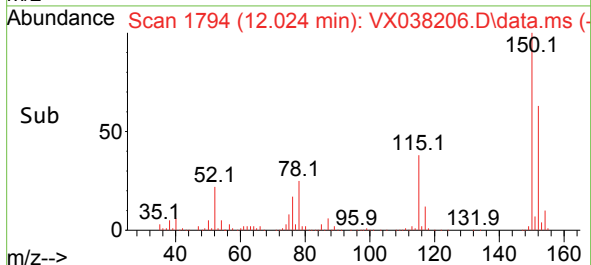
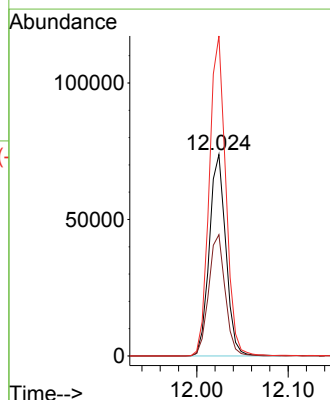
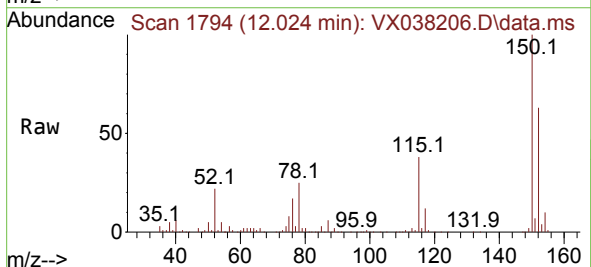
Instrument :
MSVOA_X
ClientSampleId :

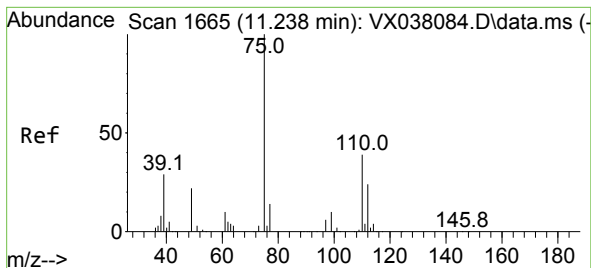
Tgt Ion:106 Resp: 1456
Ion Ratio Lower Upper
106 100
91 192.7 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038206.D
Acq: 10 Oct 2023 17:05

Tgt Ion:152 Resp: 92626
Ion Ratio Lower Upper
152 100
115 60.4 43.3 129.9
150 158.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.395 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038206.D

Acq: 10 Oct 2023 17:05

Instrument :

MSVOA_X

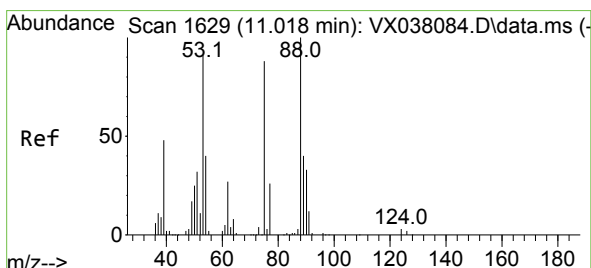
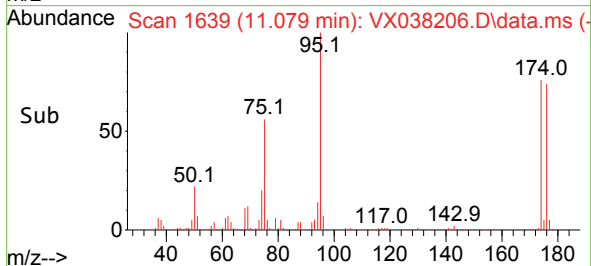
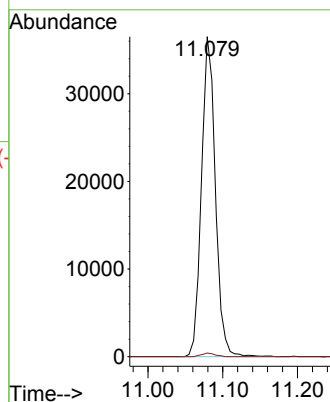
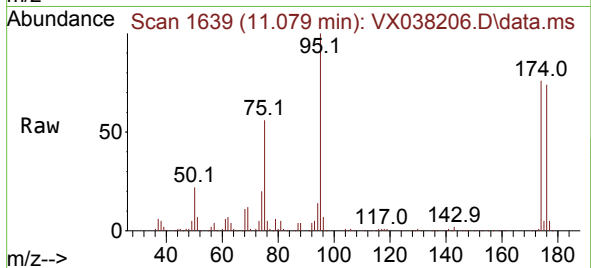
ClientSampleId :

Tgt Ion: 75 Resp: 47158

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.150 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038206.D

Acq: 10 Oct 2023 17:05

Tgt Ion: 75 Resp: 47158

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

