

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101123\
 Data File : VX038230.D
 Acq On : 11 Oct 2023 15:32
 Operator : JC/MD
 Sample : 04803-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 02:46:09 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

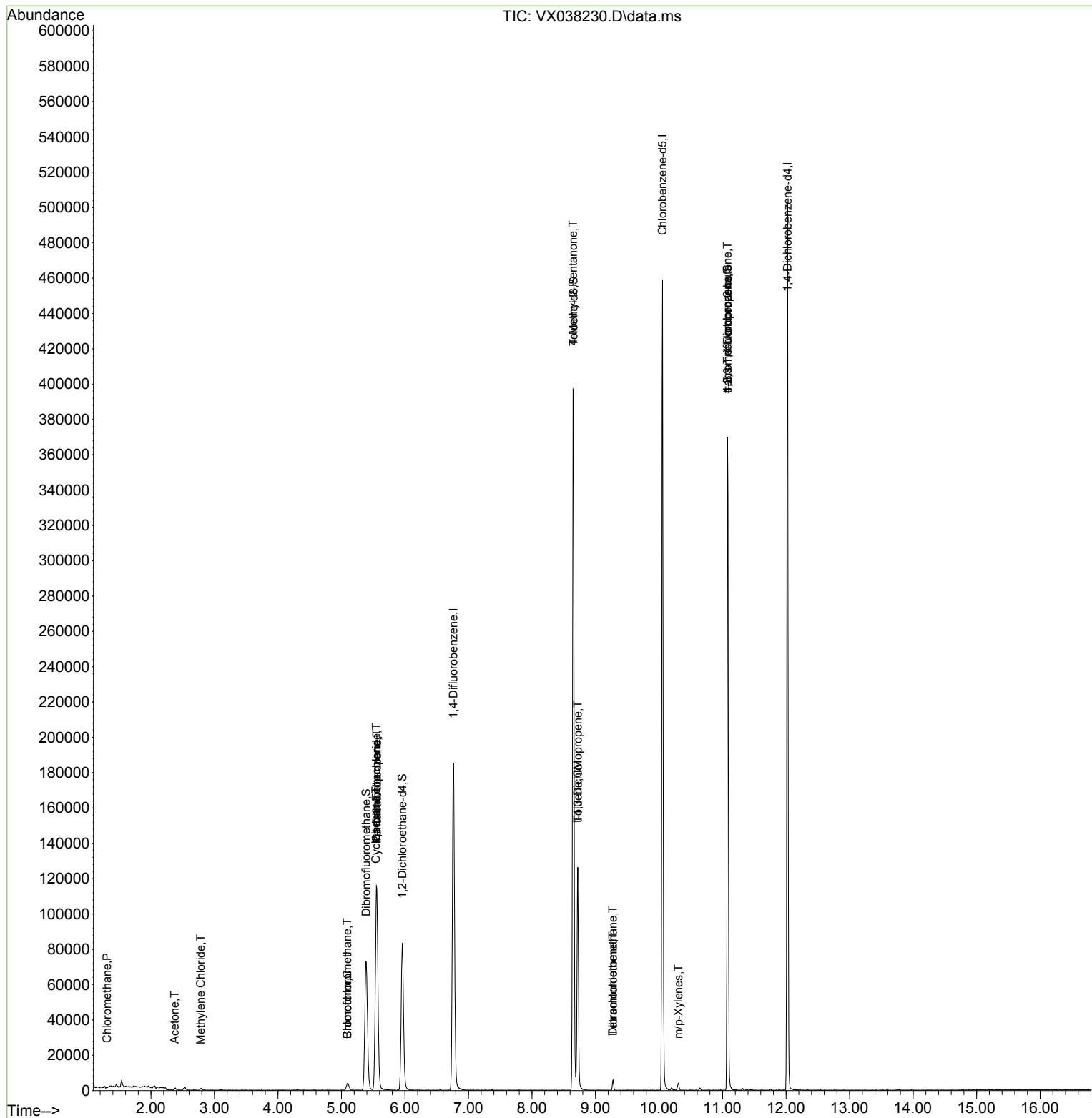
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	108026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78799	45.351	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.700%
35) Dibromofluoromethane	5.385	113	63592	46.075	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.160%
50) Toluene-d8	8.653	98	243961	46.257	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.520%
62) 4-Bromofluorobenzene	11.079	95	92705	46.366	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.740%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	248	0.233	ug/l #	86
5) Bromomethane	1.477	94	40	Below Cal	#	3
6) Chloroethane	1.672	64	108	Below Cal	#	43
16) Acetone	2.373	43	1337	1.844	ug/l	97
20) Methylene Chloride	2.782	84	493	0.361	ug/l #	71
28) Bromochloromethane	5.092	49	412	0.406	ug/l #	16
30) Chloroform	5.092	83	4898	1.992	ug/l	93
31) Cyclohexane	5.544	56	2827	1.502	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	9253	4.862	ug/l #	46
38) Carbon Tetrachloride	5.550	117	11046	5.900	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1065	0.458	ug/l #	1
52) Toluene	8.720	92	47827	13.793	ug/l	97
53) t-1,3-Dichloropropene	8.720	75	604	0.296	ug/l #	1
60) Dibromochloromethane	9.275	129	905	0.623	ug/l #	11
64) Tetrachloroethene	9.275	164	861	0.677	ug/l #	78
68) m/p-Xylenes	10.305	106	1061	0.374	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	52582	22.774	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	52582	65.168	ug/l #	5

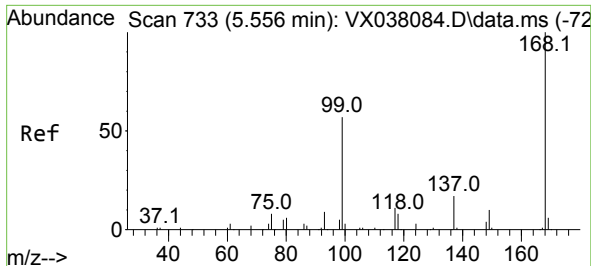
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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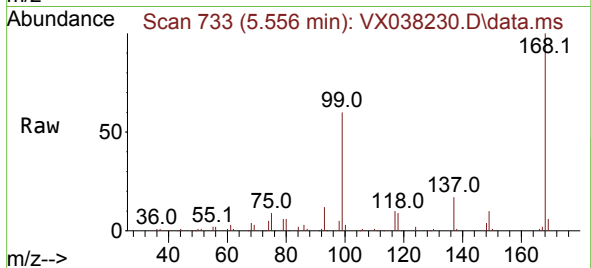
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



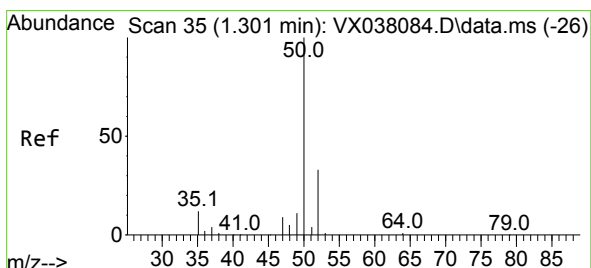
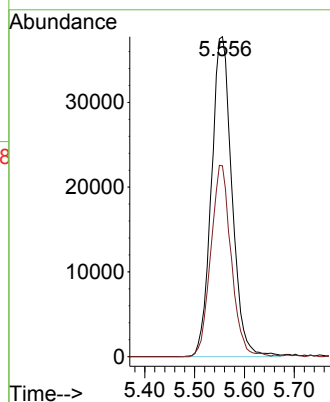
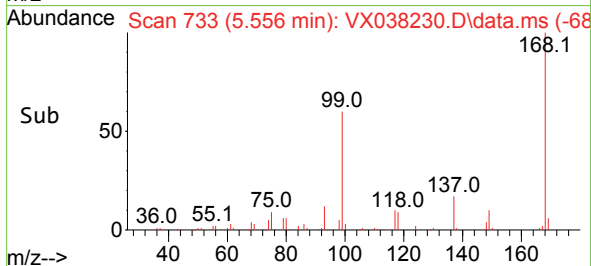


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Instrument :
MSVOA_X
ClientSampleId :

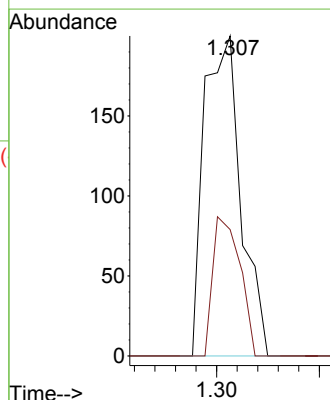
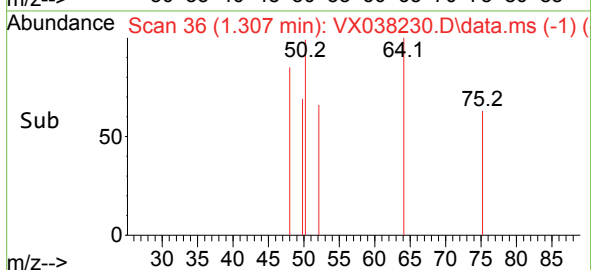
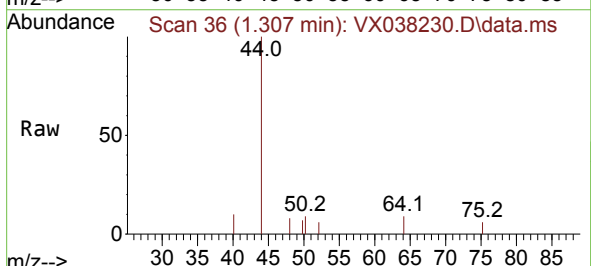


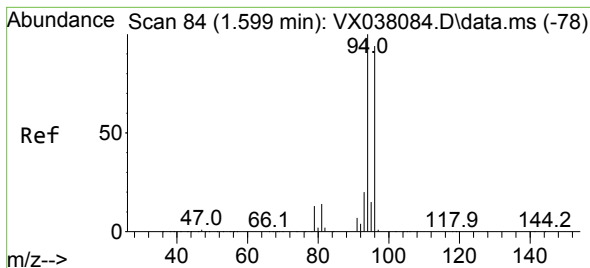
Tgt Ion:168 Resp: 108026
Ion Ratio Lower Upper
168 100
99 59.7 56.6 85.0



#3
Chloromethane
Concen: 0.233 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Tgt Ion: 50 Resp: 248
Ion Ratio Lower Upper
50 100
52 39.5 25.5 38.3#





#5

Bromomethane

Concen: Below Cal

RT: 1.477 min Scan# 64

Delta R.T. -0.122 min

Lab File: VX038230.D

Acq: 11 Oct 2023 15:32

Instrument :

MSVOA_X

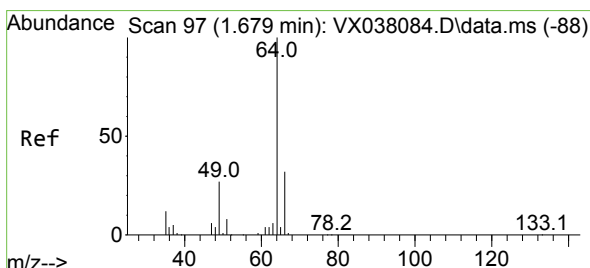
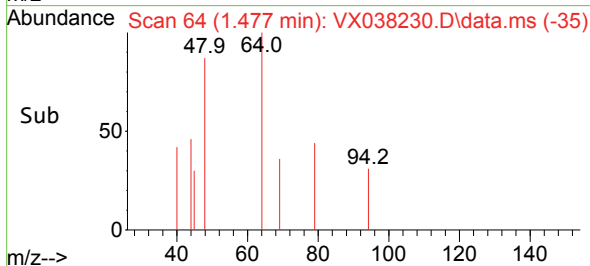
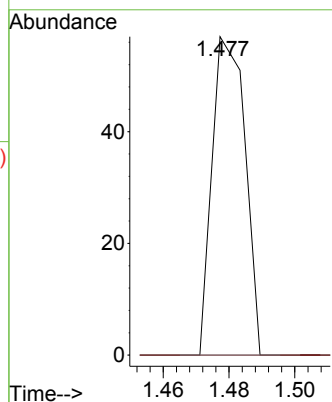
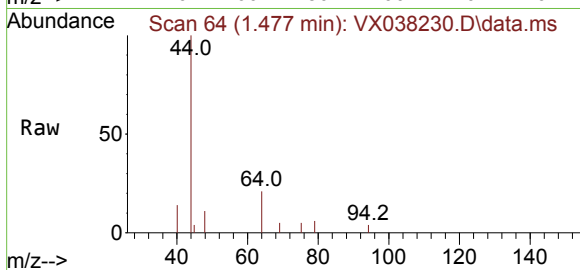
ClientSampleId :

Tgt Ion: 94 Resp: 40

Ion Ratio Lower Upper

94 100

96 0.0 74.6 111.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.672 min Scan# 96

Delta R.T. -0.007 min

Lab File: VX038230.D

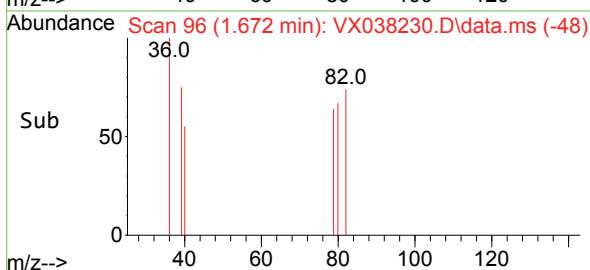
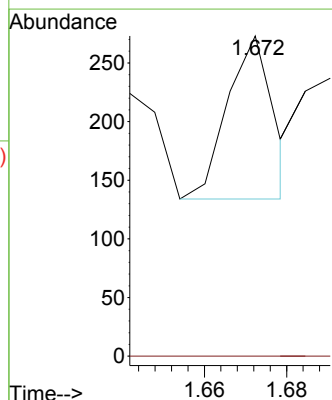
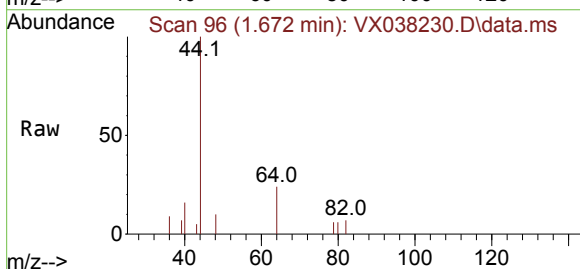
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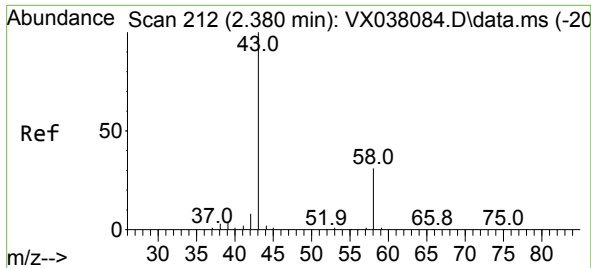
Tgt Ion: 64 Resp: 108

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

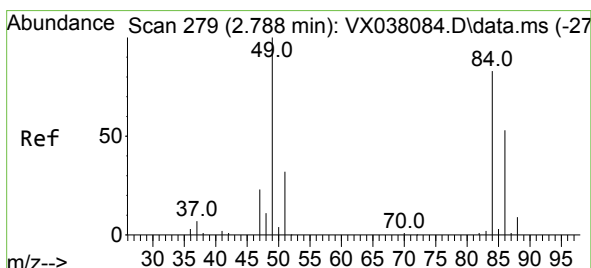
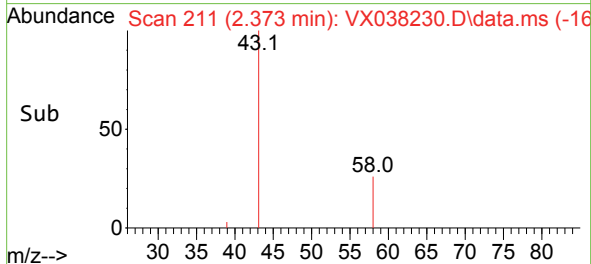
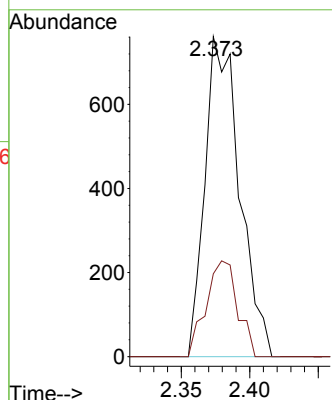
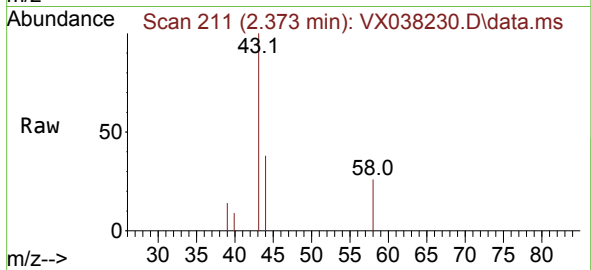




#16
Acetone
Concen: 1.844 ug/l
RT: 2.373 min Scan# 21
Delta R.T. -0.007 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

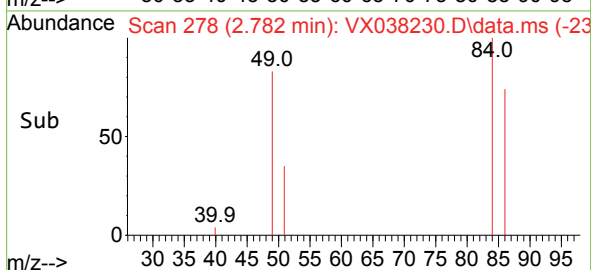
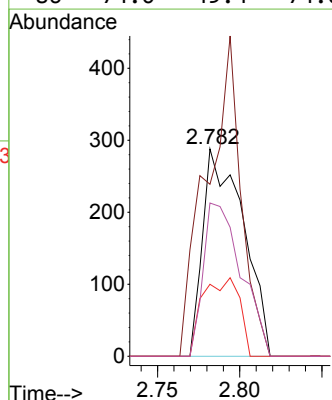
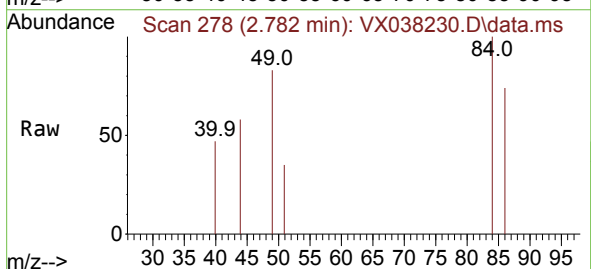
Instrument :
MSVOA_X
ClientSampleId :

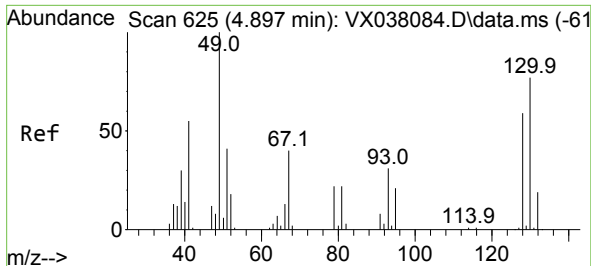
Tgt Ion: 43 Resp: 1337
Ion Ratio Lower Upper
43 100
58 25.9 21.9 32.9



#20
Methylene Chloride
Concen: 0.361 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Tgt Ion: 84 Resp: 493
Ion Ratio Lower Upper
84 100
49 83.0 103.6 155.4#
51 34.7 33.8 50.6
86 74.0 49.4 74.0

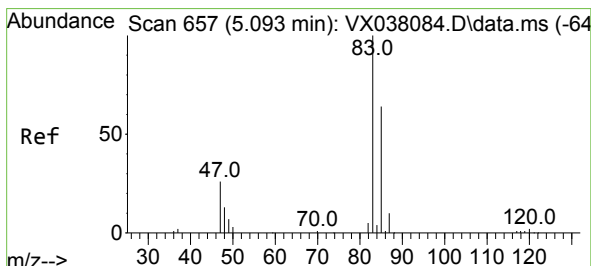
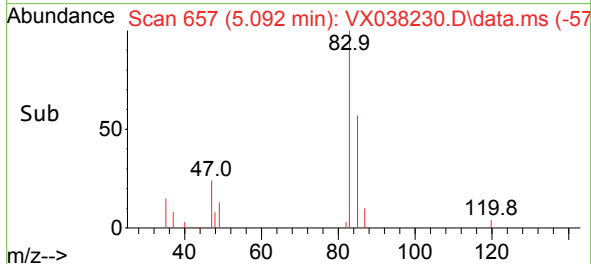
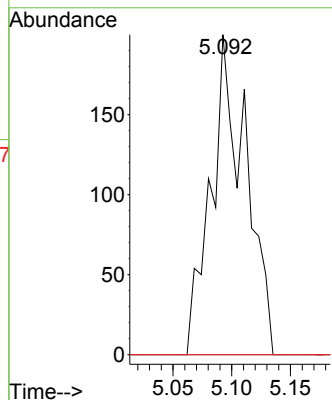
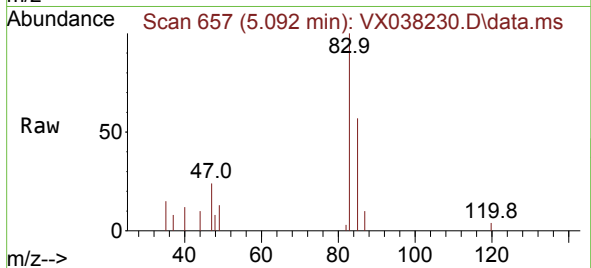




#28
Bromochloromethane
Concen: 0.406 ug/l
RT: 5.092 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

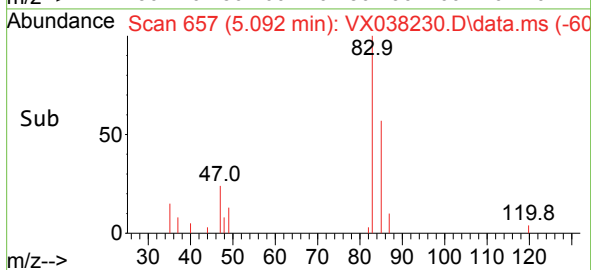
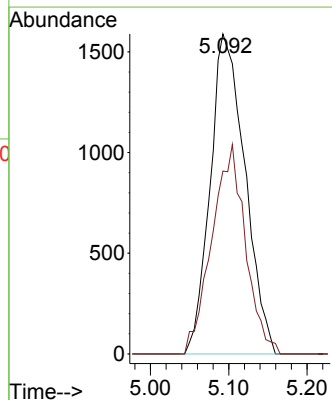
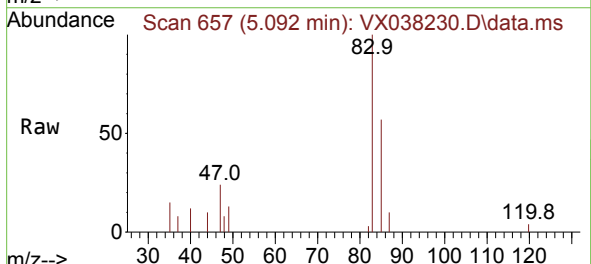
Instrument :
MSVOA_X
ClientSampleId :

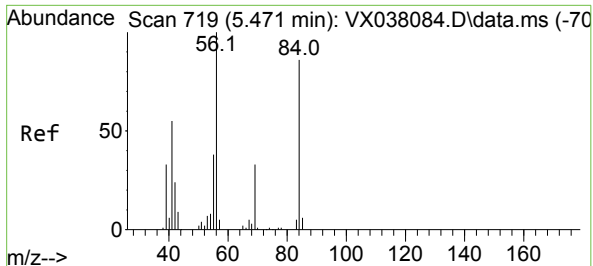
Tgt Ion: 49 Resp: 412
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 1.992 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.001 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

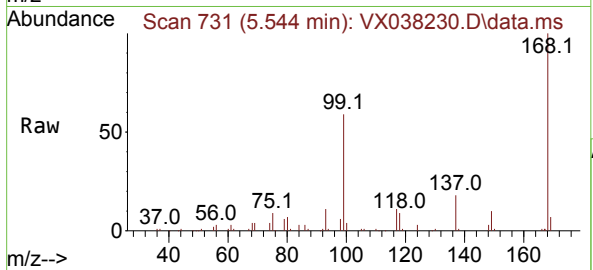
Tgt Ion: 83 Resp: 4898
Ion Ratio Lower Upper
83 100
85 57.1 50.3 75.5



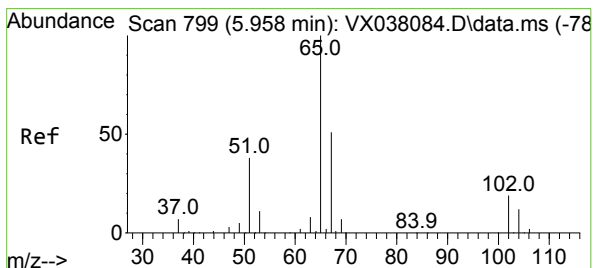
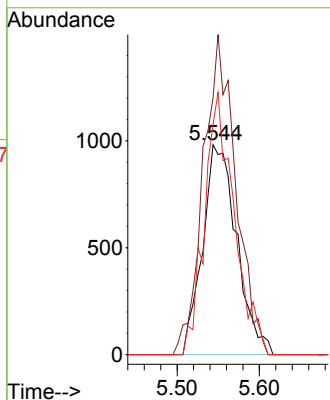
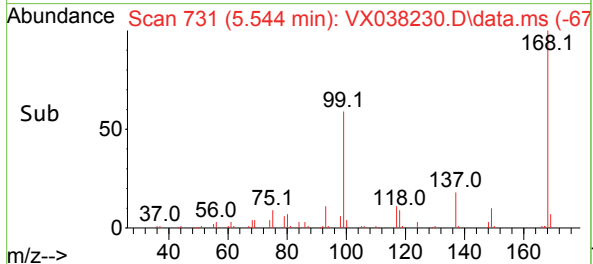


#31
Cyclohexane
Concen: 1.502 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Instrument :
MSVOA_X
ClientSampleId :

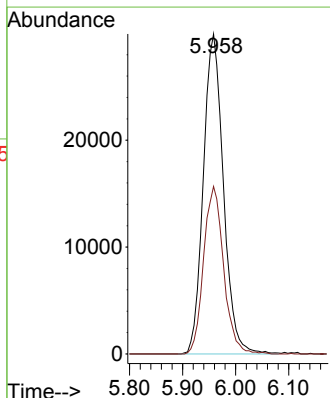
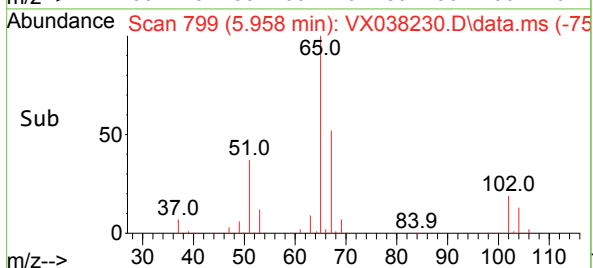
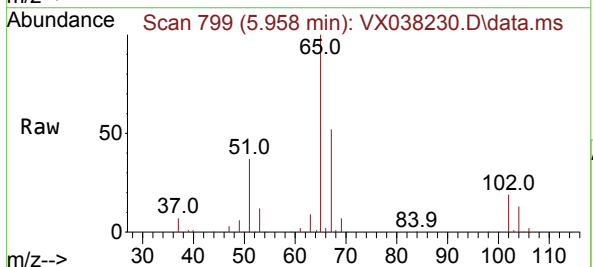


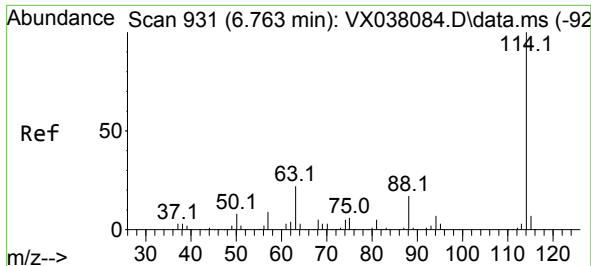
Tgt Ion: 56 Resp: 2827
Ion Ratio Lower Upper
56 100
69 122.5 23.4 35.2#
84 109.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.351 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

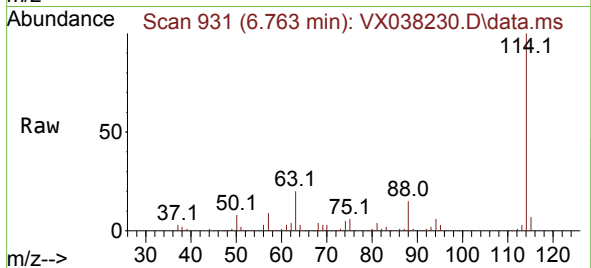
Tgt Ion: 65 Resp: 78799
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2



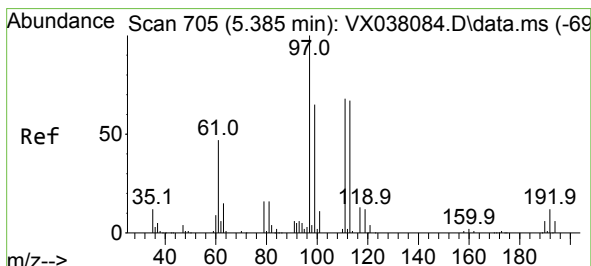
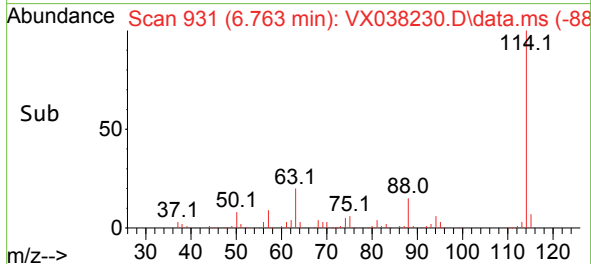
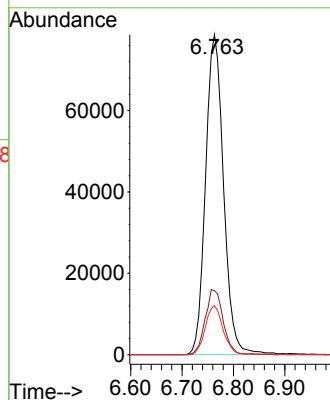


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Instrument :
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ClientSampleId :

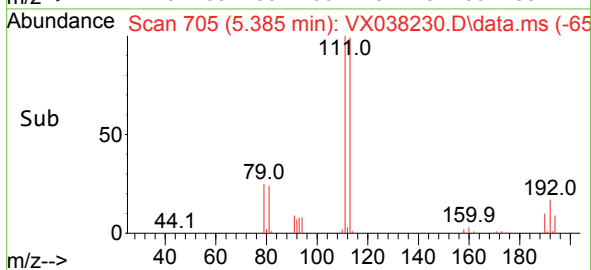
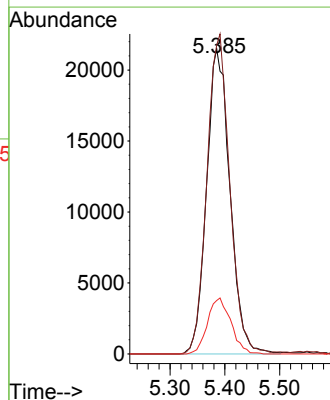
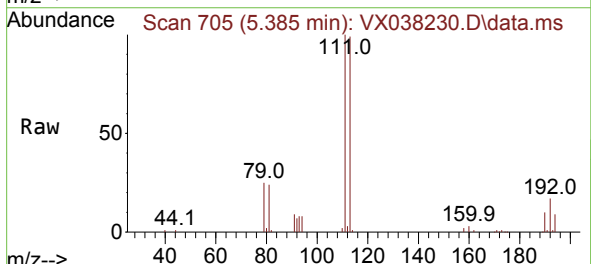


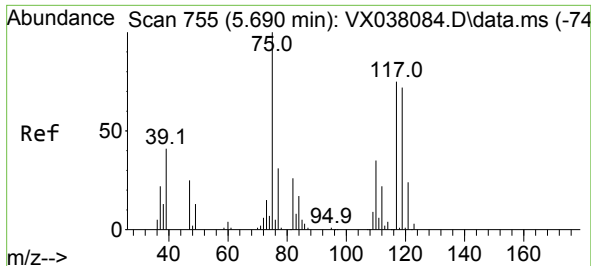
Tgt Ion:114 Resp: 191541
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.075 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Tgt Ion:113 Resp: 63592
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 18.4 13.3 19.9

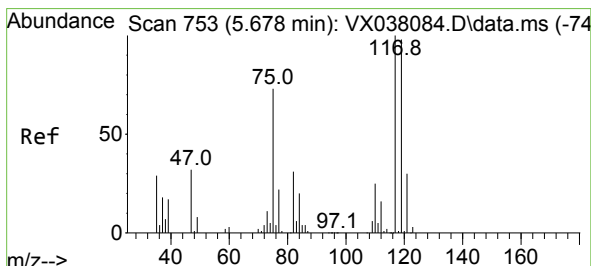
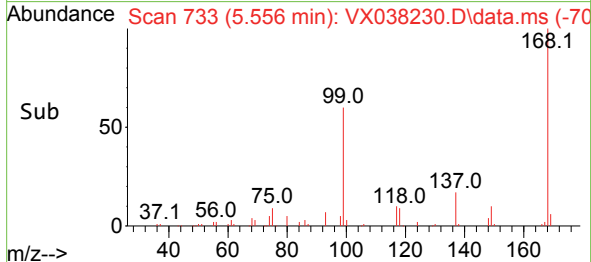
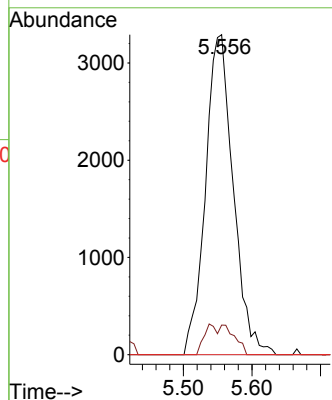
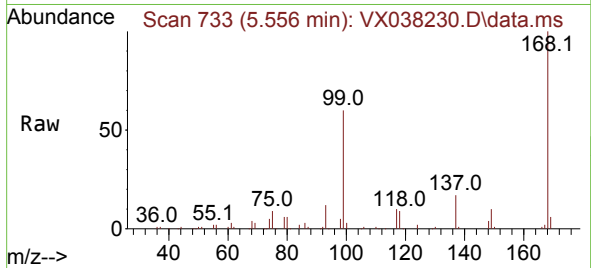




#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

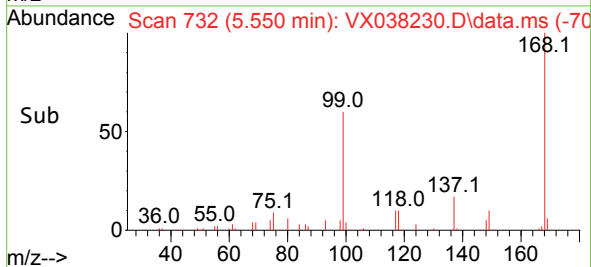
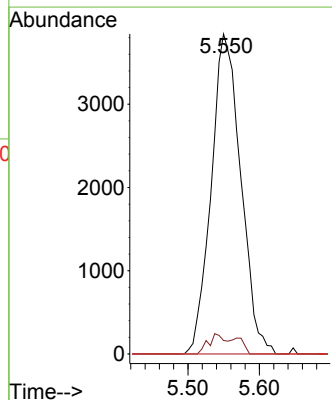
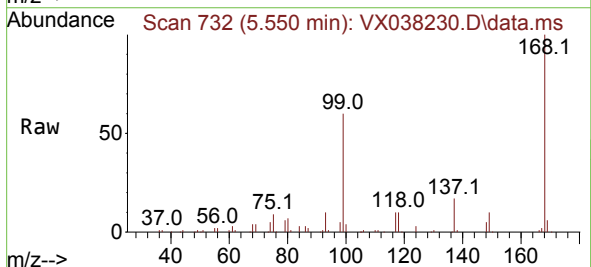
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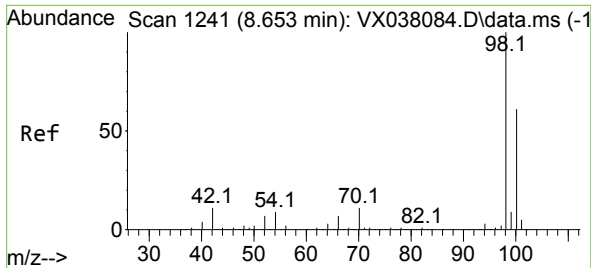
Tgt Ion: 75 Resp: 9253
Ion Ratio Lower Upper
75 100
110 4.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.900 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Tgt Ion: 117 Resp: 11046
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#

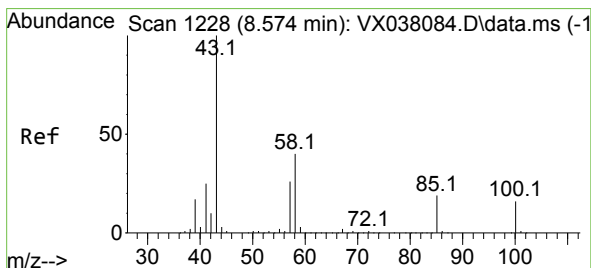
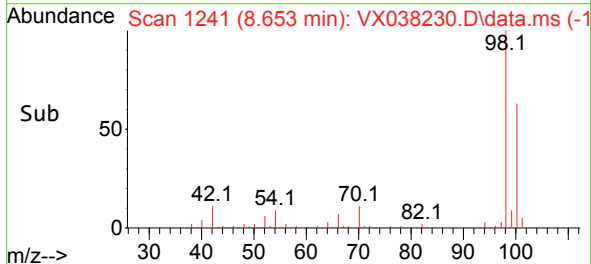
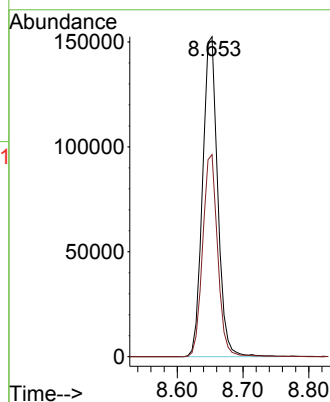
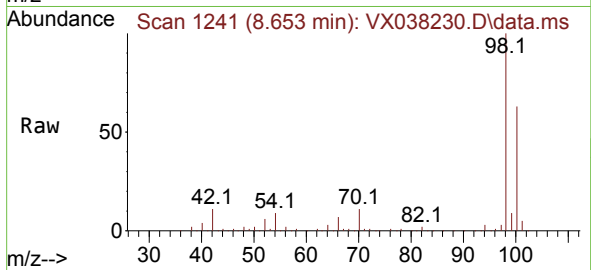




#50
Toluene-d8
Concen: 46.257 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

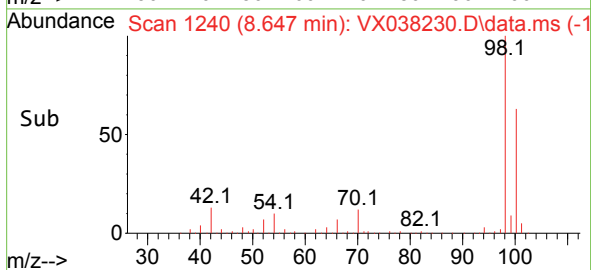
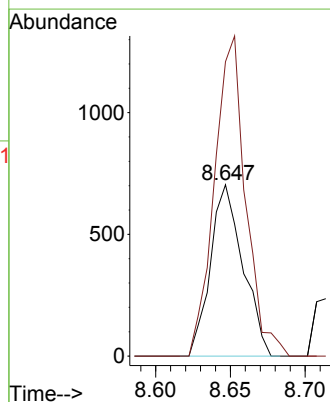
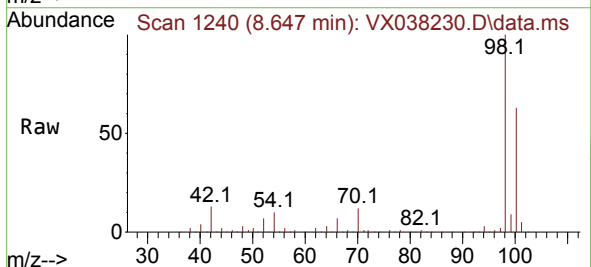
Instrument :
MSVOA_X
ClientSampleId :

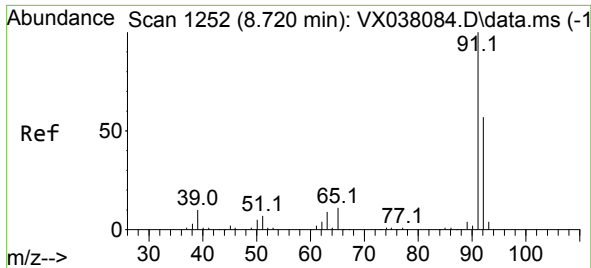
Tgt Ion: 98 Resp: 243961
Ion Ratio Lower Upper
98 100
100 62.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.458 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Tgt Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
58 179.5 30.4 45.6#

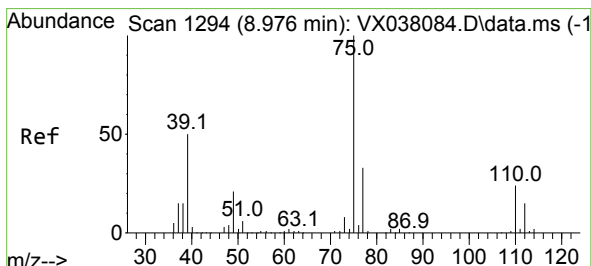
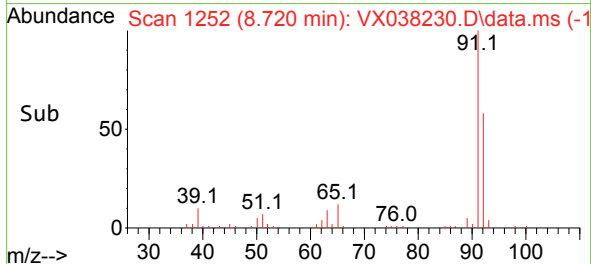
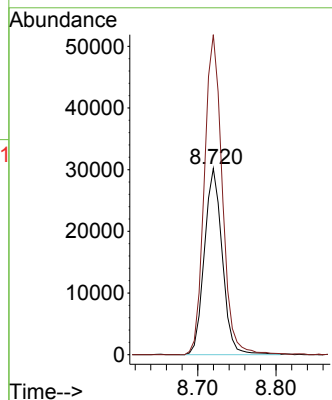
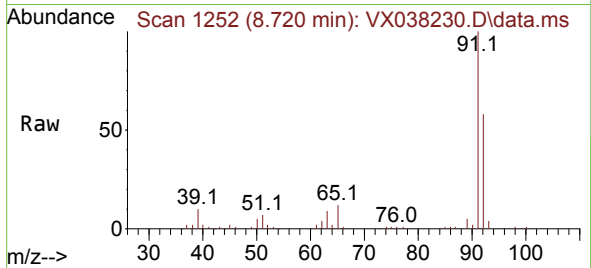




#52
Toluene
Concen: 13.793 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

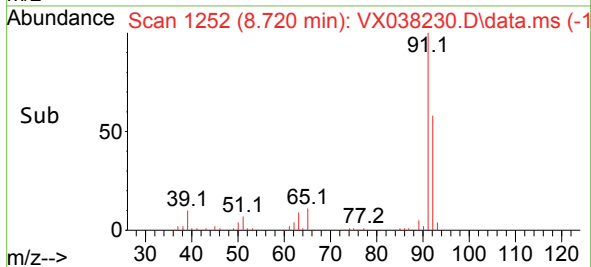
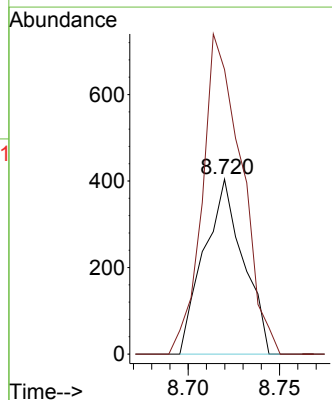
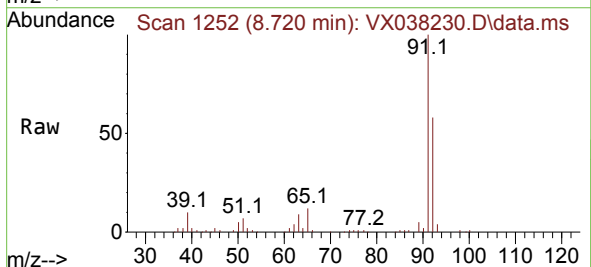
Instrument :
MSVOA_X
ClientSampleId :

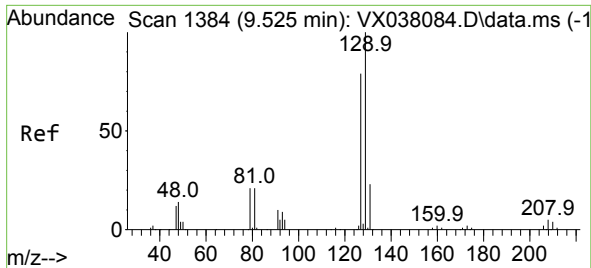
Tgt Ion: 92 Resp: 47827
Ion Ratio Lower Upper
92 100
91 171.9 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.296 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.256 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Tgt Ion: 75 Resp: 604
Ion Ratio Lower Upper
75 100
77 162.9 25.7 38.5#

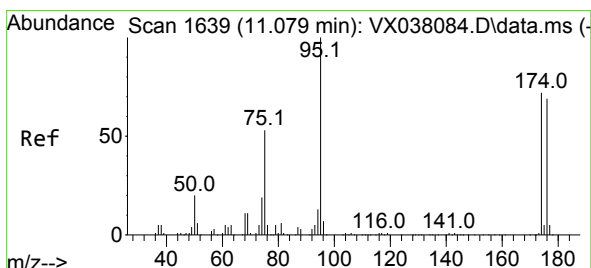
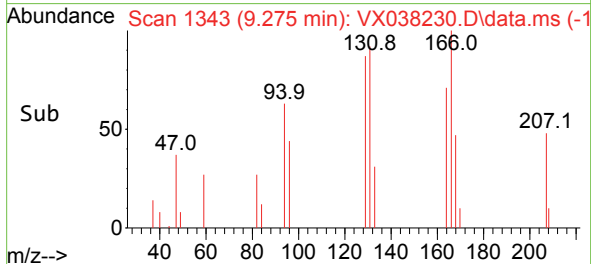
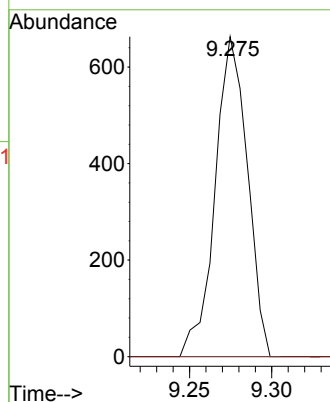
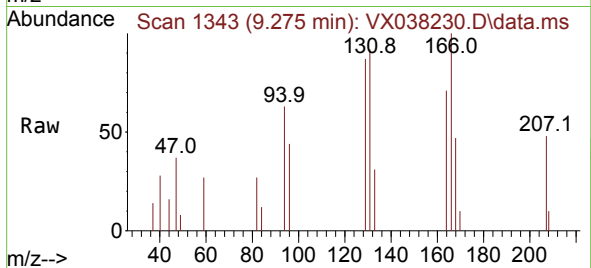




#60
Dibromochloromethane
Concen: 0.623 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

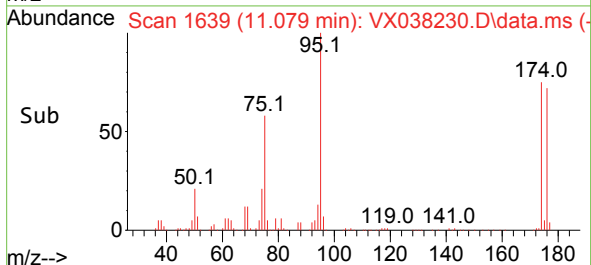
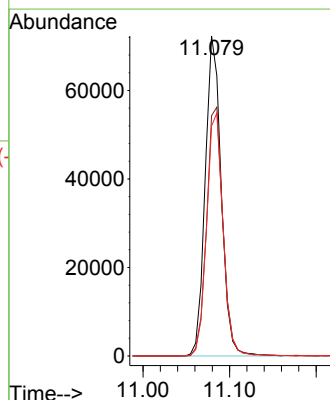
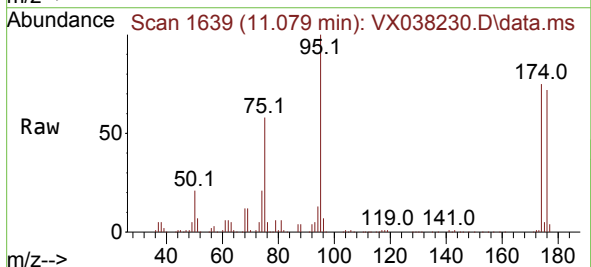
Instrument :
MSVOA_X
ClientSampleId :

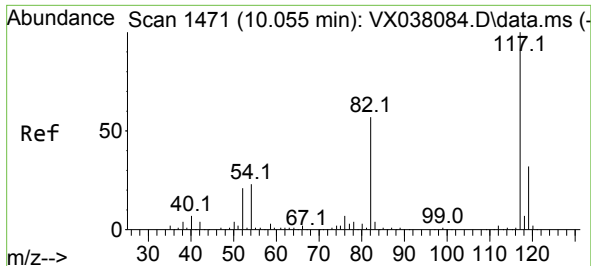
Tgt Ion:129 Resp: 905
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 46.366 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Tgt Ion: 95 Resp: 92705
Ion Ratio Lower Upper
95 100
174 80.0 0.0 135.6
176 78.0 0.0 131.0

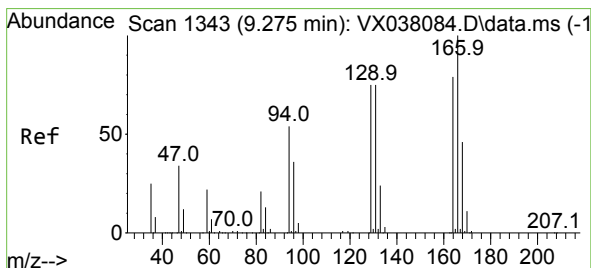
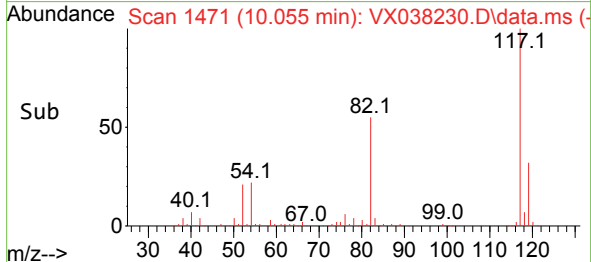
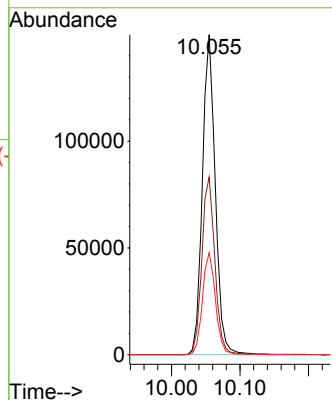
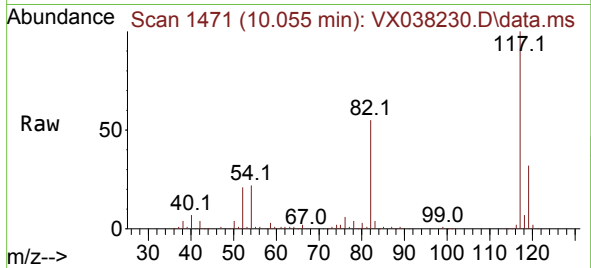




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

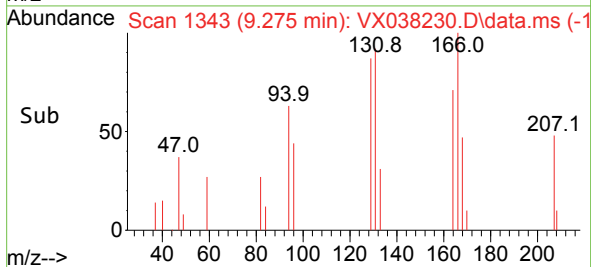
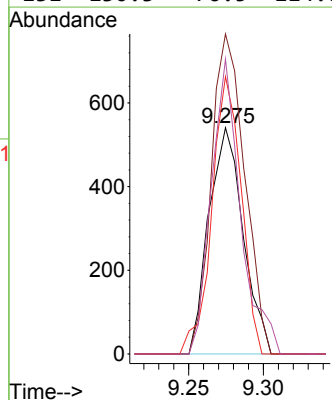
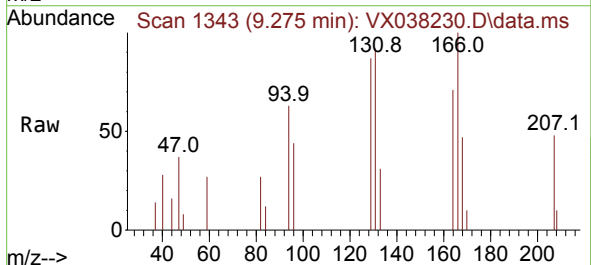
Instrument :
MSVOA_X
ClientSampleId :

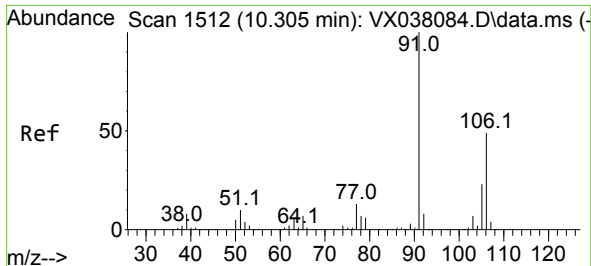
Tgt Ion:117 Resp: 196451
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 0.677 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Tgt Ion:164 Resp: 861
Ion Ratio Lower Upper
164 100
166 141.4 102.7 154.1
129 122.6 80.4 120.6#
131 130.3 76.5 114.7#

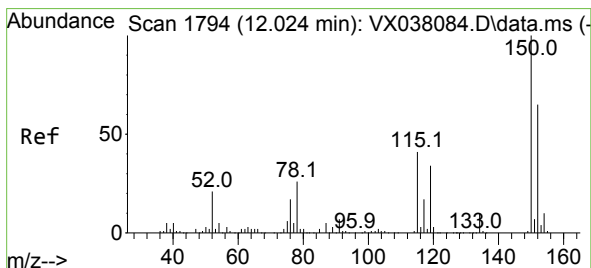
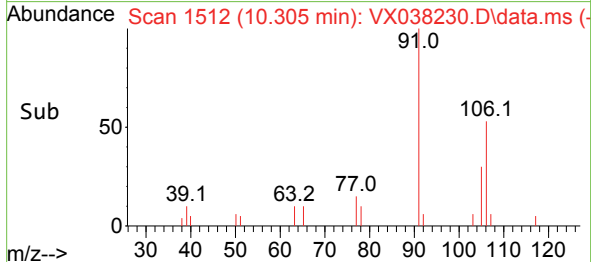
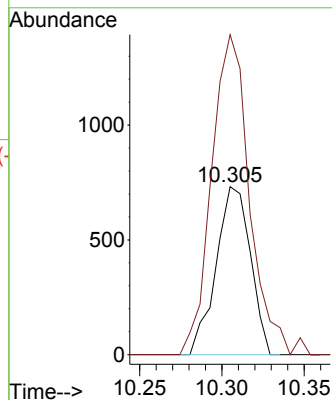
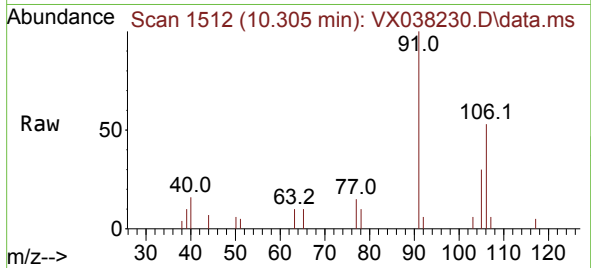




#68
m/p-Xylenes
Concen: 0.374 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

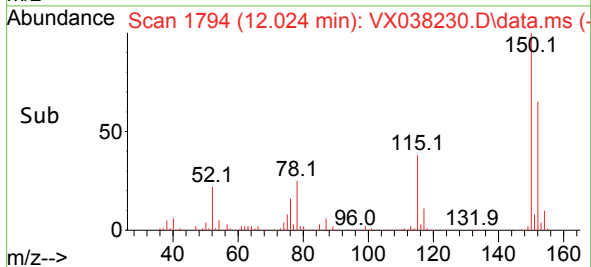
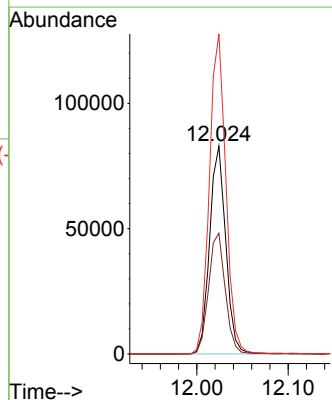
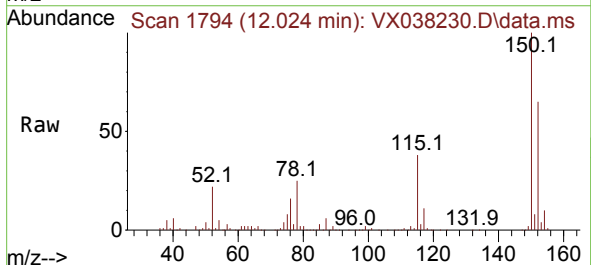
Instrument :
MSVOA_X
ClientSampleId :

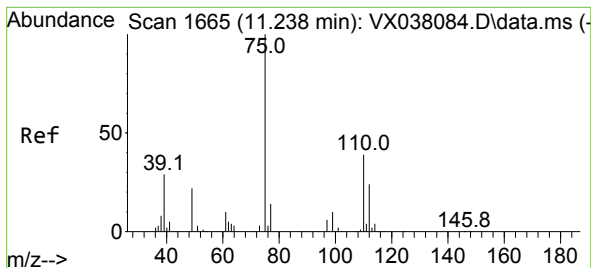
Tgt Ion:106 Resp: 1061
Ion Ratio Lower Upper
106 100
91 211.4 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038230.D
Acq: 11 Oct 2023 15:32

Tgt Ion:152 Resp: 101561
Ion Ratio Lower Upper
152 100
115 60.2 43.3 129.9
150 156.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.774 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038230.D

Acq: 11 Oct 2023 15:32

Instrument :

MSVOA_X

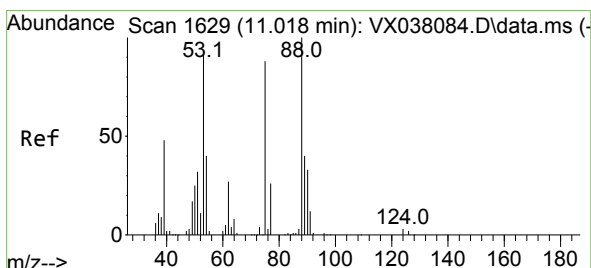
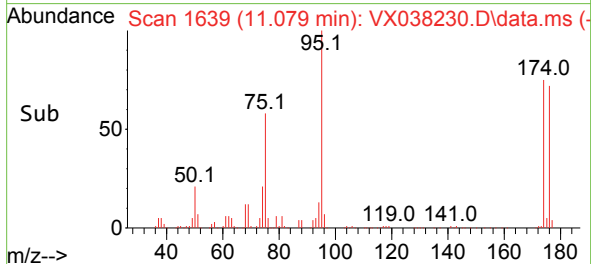
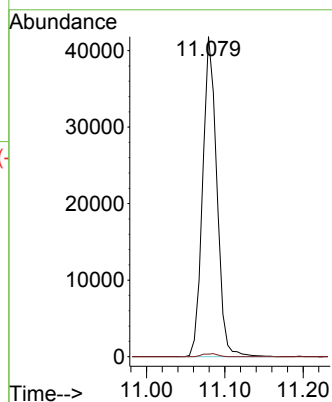
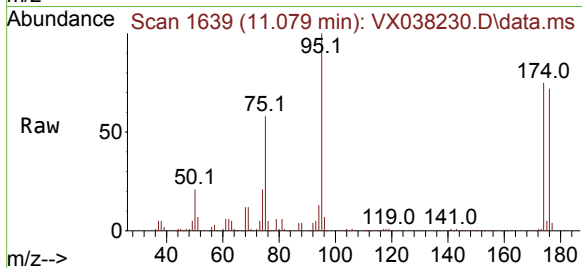
ClientSampleId :

Tgt Ion: 75 Resp: 52582

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.168 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038230.D

Acq: 11 Oct 2023 15:32

Tgt Ion: 75 Resp: 52582

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

