

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012843.D
 Acq On : 07 Oct 2019 17:10
 Operator : JC/SP
 Sample : K5154-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-105I

Quant Time: Oct 08 11:13:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	190246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	319792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106693	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	123302	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
35) Dibromofluoromethane	5.49	113	93973	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	374407	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.14	95	128721	44.63	ug/l	0.00
Spiked Amount			Recovery	=	89.26%	

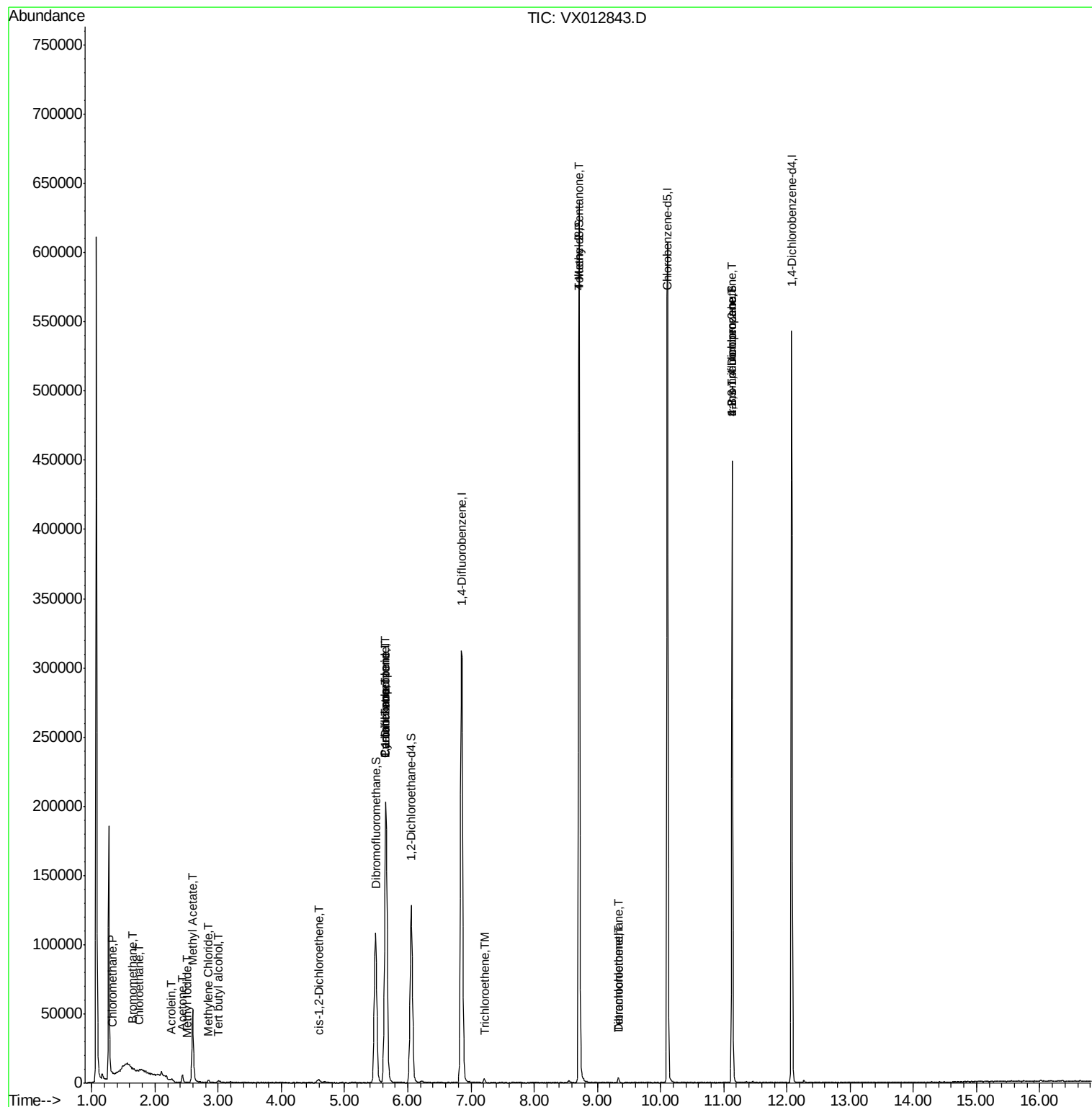
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	753	0.306	ug/l #	84
5) Bromomethane	1.64	94	265	0.276	ug/l #	62
6) Chloroethane	1.75	64	780	0.474	ug/l #	45
10) Methyl Iodide	2.50	142	181	5.027	ug/l #	35
11) Tert butyl alcohol	3.01	59	1318	1.904	ug/l #	72
13) Acrolein	2.26	56	124	10.541	ug/l #	15
16) Acetone	2.43	43	5443	3.709	ug/l	100
18) Methyl Acetate	2.59	43	13293	3.847	ug/l #	54
20) Methylene Chloride	2.84	84	688	0.277	ug/l #	62
27) cis-1,2-Dichloroethene	4.59	96	1345	0.512	ug/l	84
31) Cyclohexane	5.65	56	3965	1.028	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15082	4.893	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19639	6.272	ug/l #	18
44) Trichloroethene	7.22	130	978	0.422	ug/l	90
51) 4-Methyl-2-Pentanone	8.71	43	1652	0.444	ug/l #	1
60) Dibromochloromethane	9.33	129	703	0.306	ug/l #	11
64) Tetrachloroethene	9.33	164	699	0.371	ug/l #	89
76) 1,2,3-Trichloropropane	11.14	75	63256	22.413	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	63256	64.231	ug/l #	8

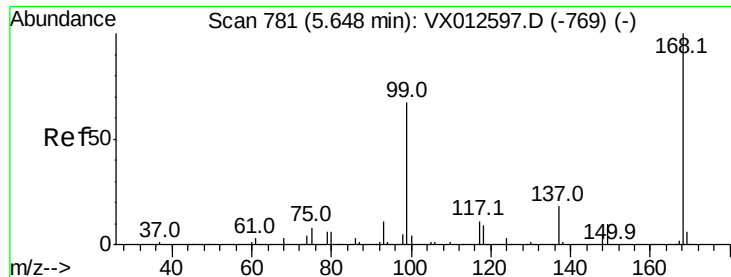
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012843.D

Acq: 07 Oct 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

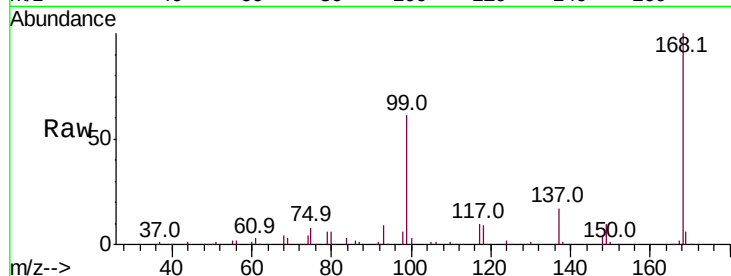
MW-105I

Tot Ion:168 Resp: 190246

Ion Ratio Lower Upper

168 100

99 61.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

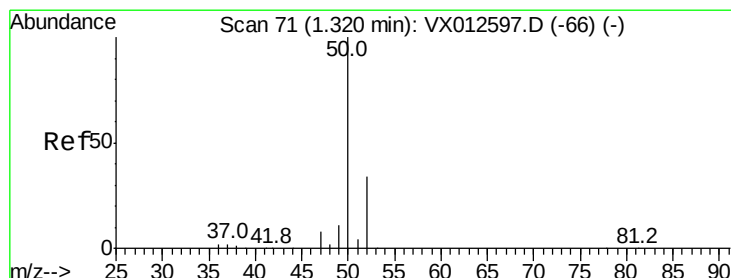
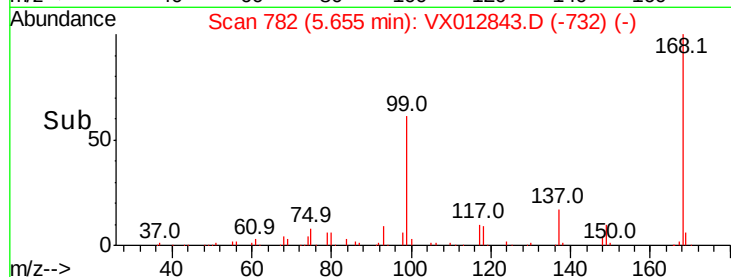
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.306 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012843.D

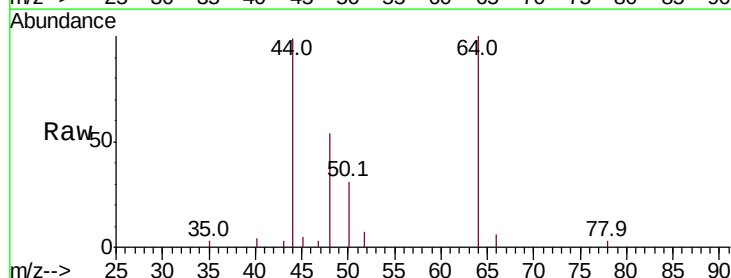
Acq: 07 Oct 2019 17:10

Tgt Ion: 50 Resp: 753

Ion Ratio Lower Upper

50 100

52 23.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

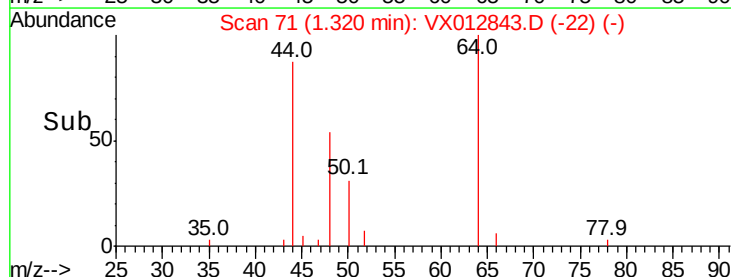
1500

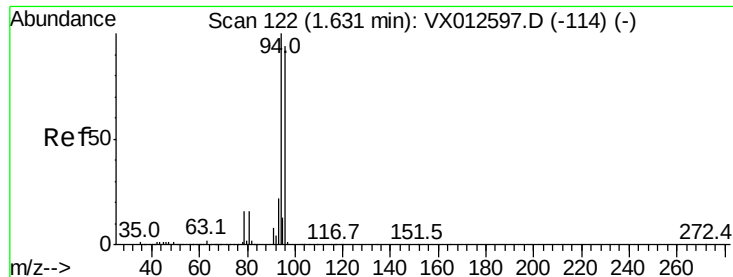
1000

500

0

Time--> 1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.276 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012843.D

Acq: 07 Oct 2019 17:10

Instrument :

MSVOA_X

ClientSampled :

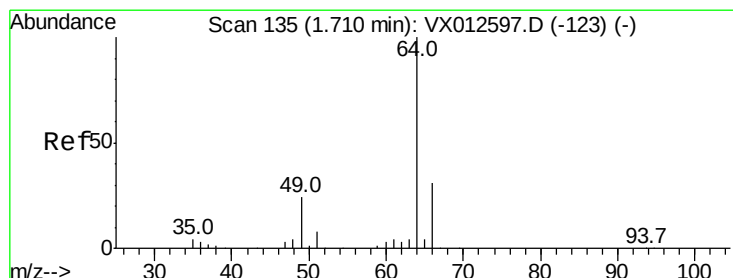
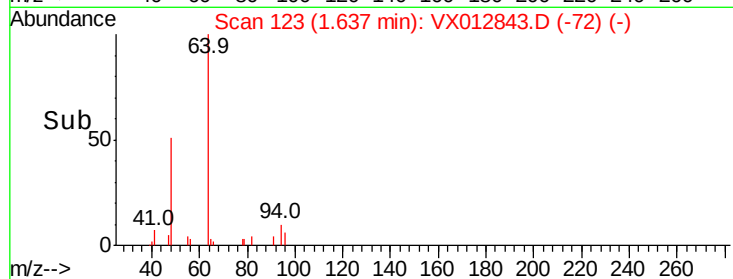
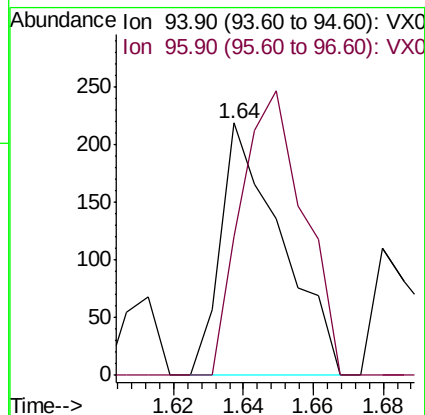
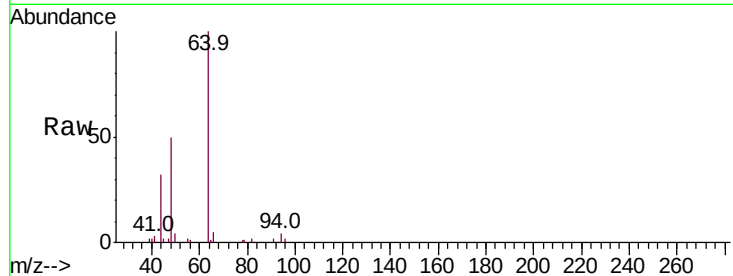
MW-105I

Tot Ion: 94 Resp: 265

Ion Ratio Lower Upper

94 100

96 54.8 72.8 109.2#



#6

Chloroethane

Concen: 0.474 ug/l

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX012843.D

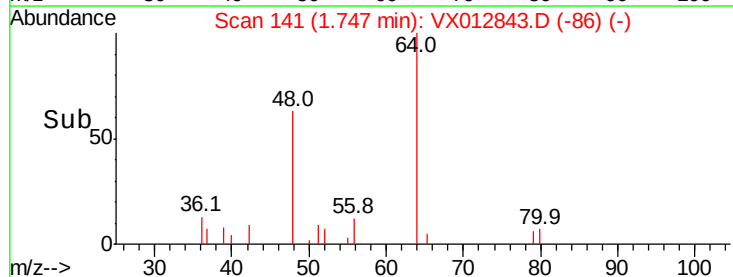
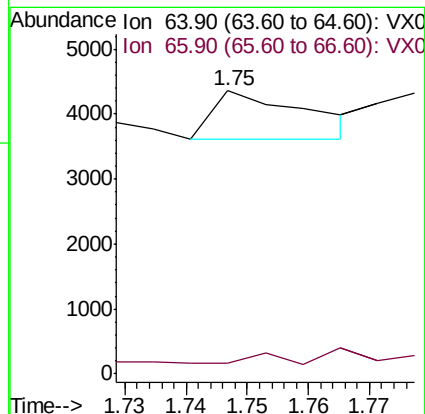
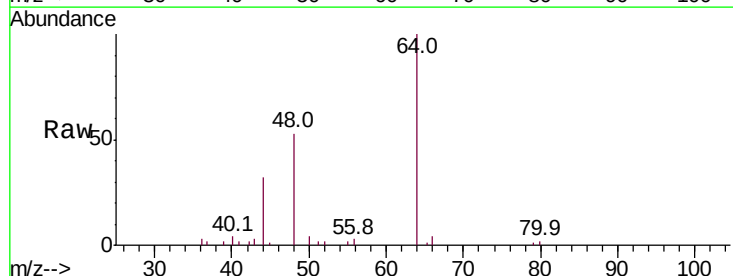
Acq: 07 Oct 2019 17:10

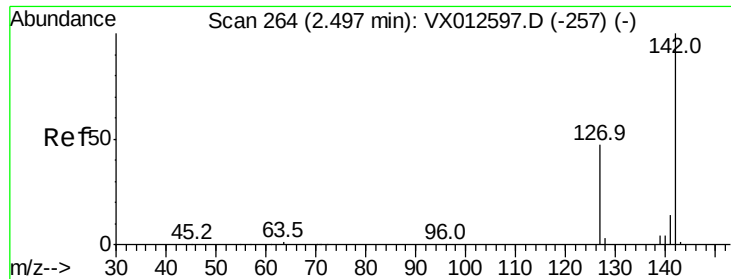
Tgt Ion: 64 Resp: 780

Ion Ratio Lower Upper

64 100

66 0.4 24.0 36.0#

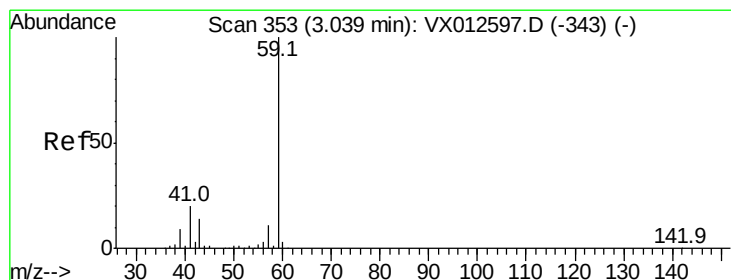
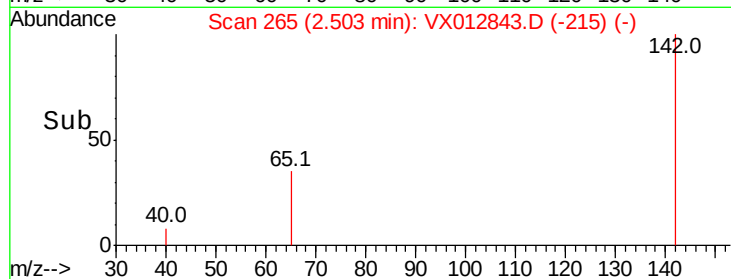
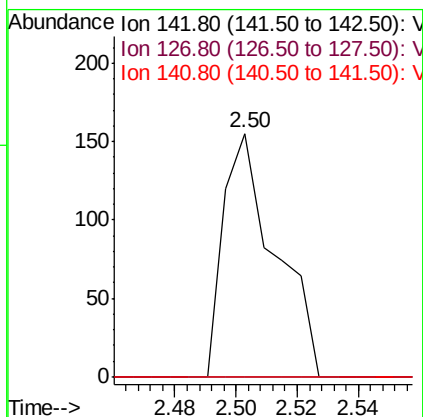
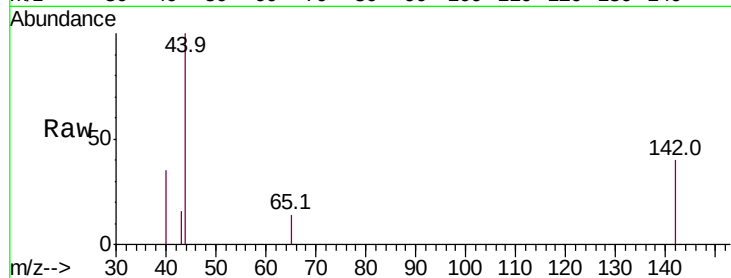




#10
Methvl Iodide
Concen: 5.027 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012843.D
Acq: 07 Oct 2019 17:10

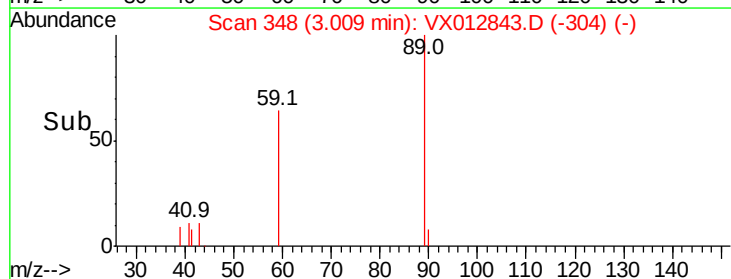
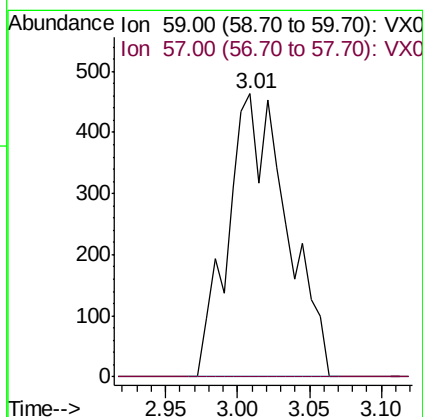
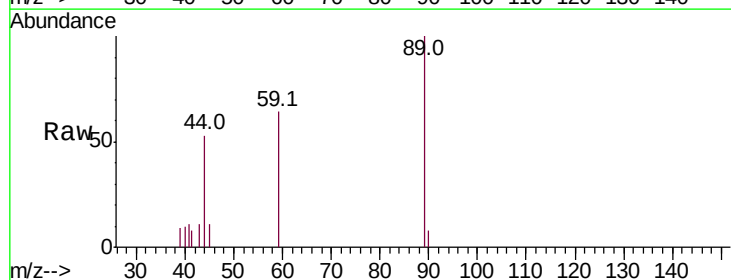
Instrument :
MSVOA_X
ClientSampleId :
MW-105I

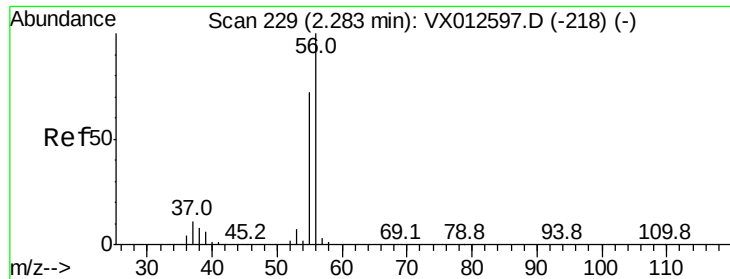
Tot Ion:142 Resp: 181
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 1.904 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012843.D
Acq: 07 Oct 2019 17:10

Tgt Ion: 59 Resp: 1318
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 10.541 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX012843.D

Acq: 07 Oct 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

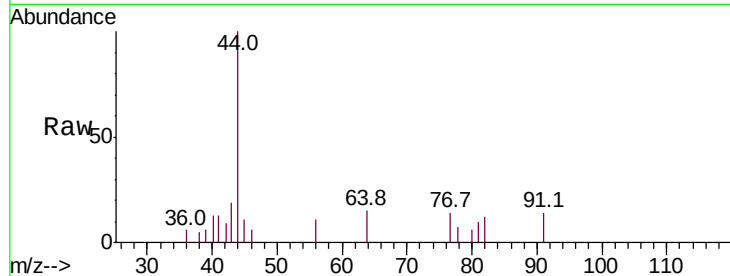
MW-105I

Tot Ion: 56 Resp: 124

Ion Ratio Lower Upper

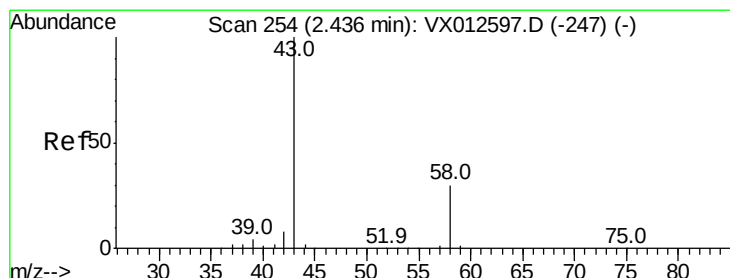
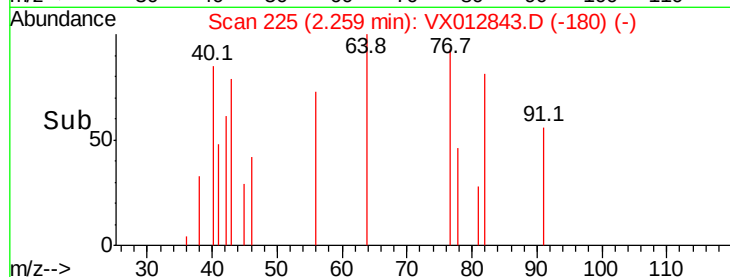
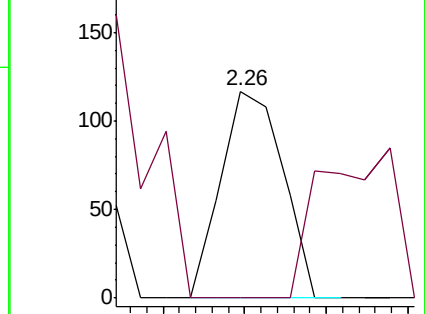
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.709 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012843.D

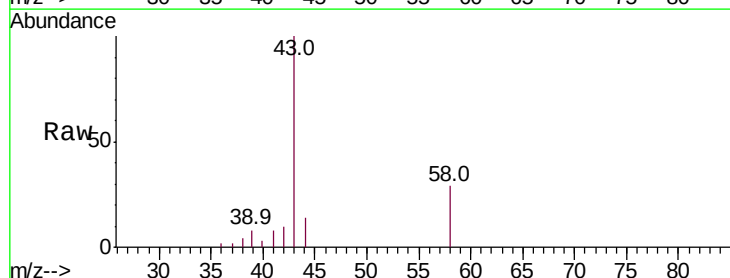
Acq: 07 Oct 2019 17:10

Tgt Ion: 43 Resp: 5443

Ion Ratio Lower Upper

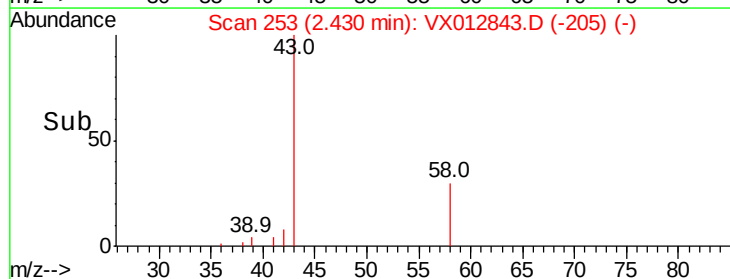
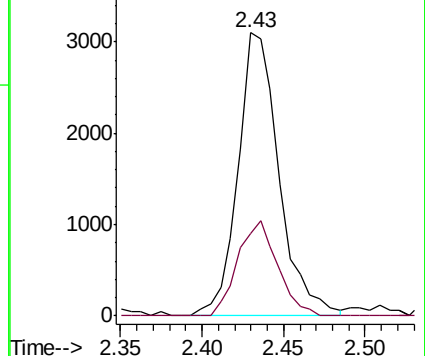
43 100

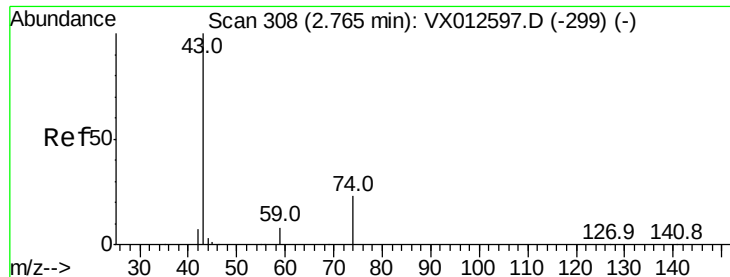
58 29.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

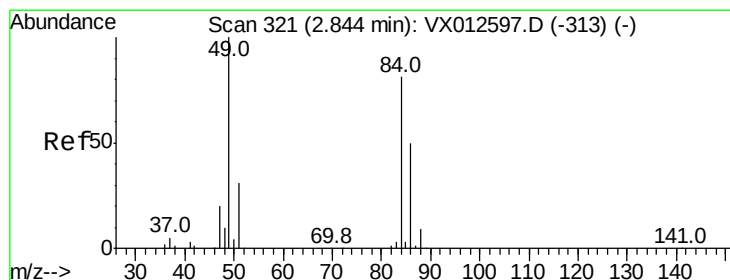
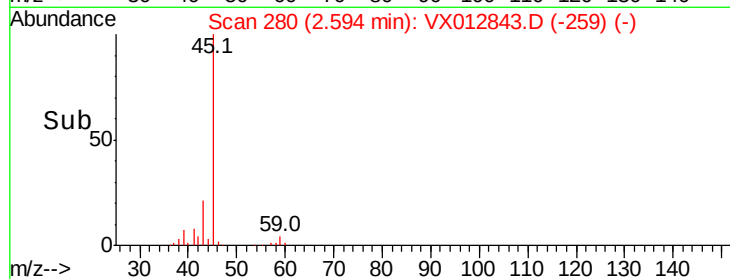
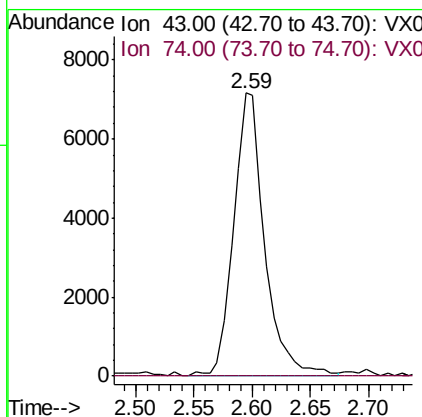
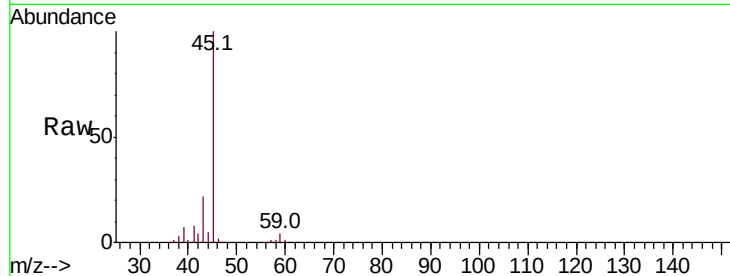




#18
Methvl Acetate
Concen: 3.847 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012843.D
Acq: 07 Oct 2019 17:10

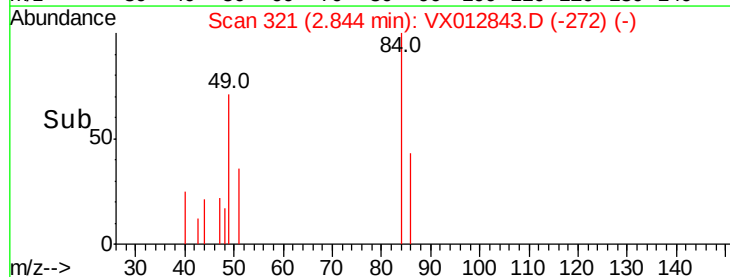
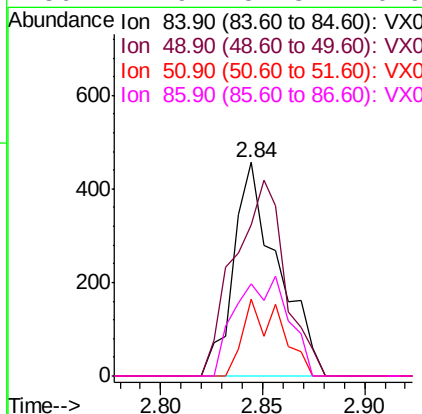
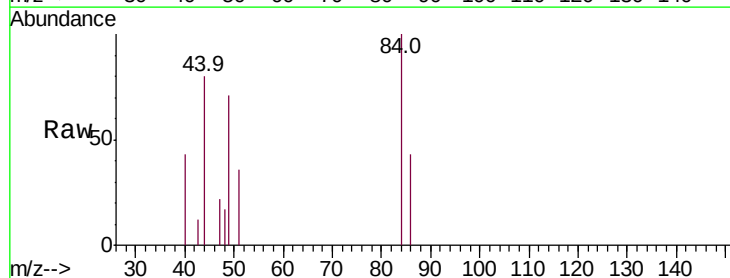
Instrument :
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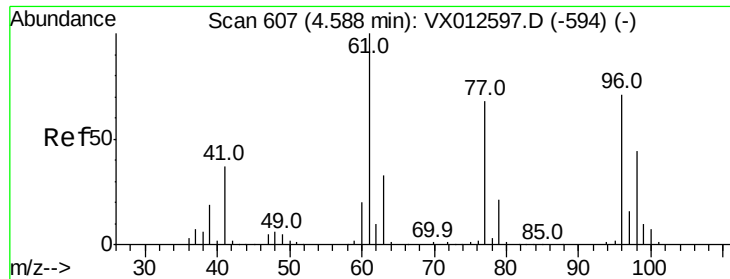
Tot Ion: 43 Resp: 13293
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.277 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012843.D
Acq: 07 Oct 2019 17:10

Tgt Ion: 84 Resp: 688
Ion Ratio Lower Upper
84 100
49 70.7 106.8 160.2#
51 35.9 32.3 48.5
86 42.9 51.3 76.9#



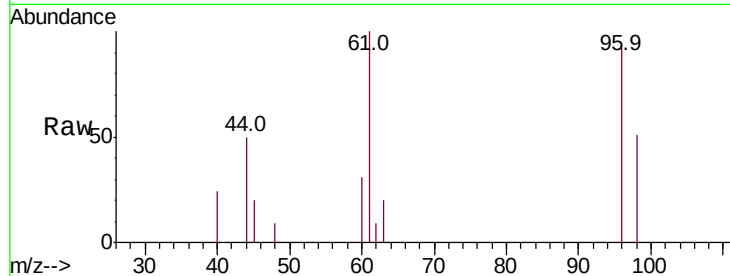


#27

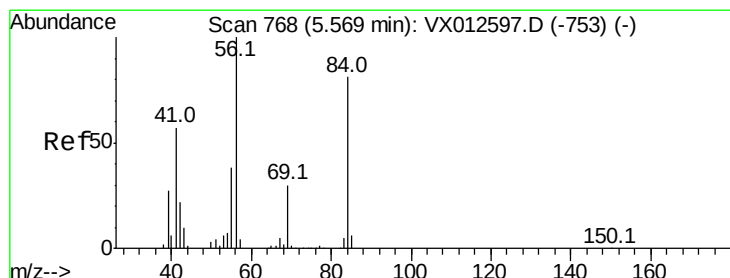
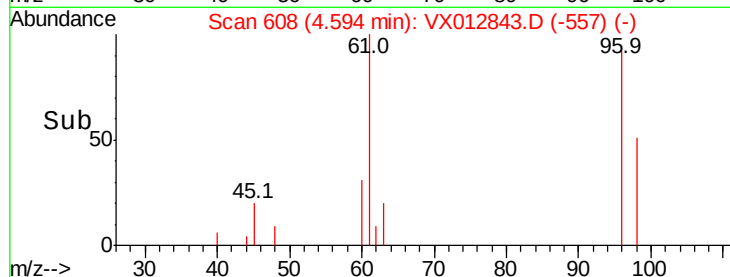
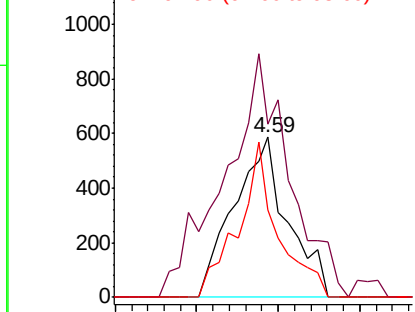
cis-1,2-Dichloroethene
Concen: 0.512 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX012843.D
Acq: 07 Oct 2019 17:10

Instrument :
MSVOA_X
ClientSampleId :
MW-105I

Tot Ion: 96 Resp: 1345
Ion Ratio Lower Upper
96 100
61 184.7 0.0 319.4
98 71.3 0.0 130.6



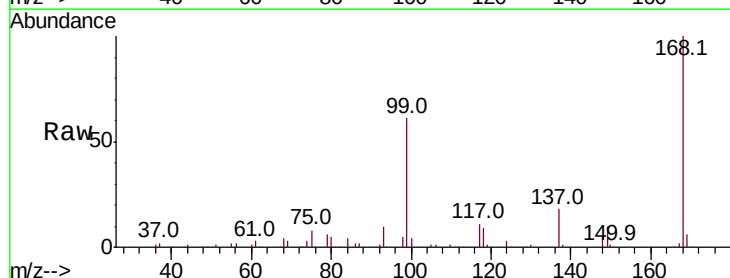
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



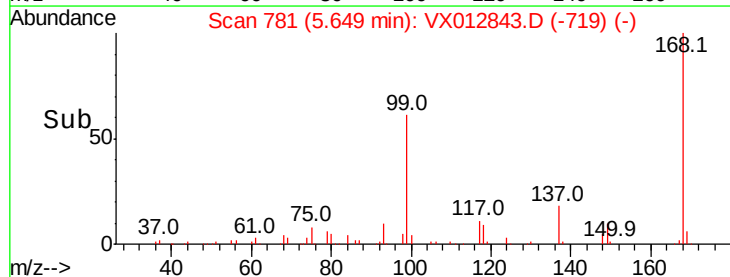
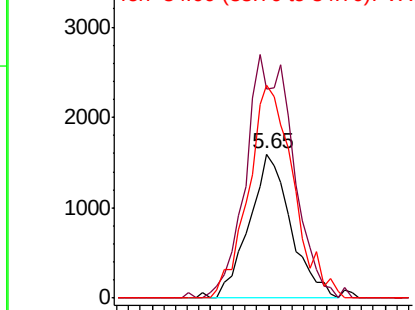
#31

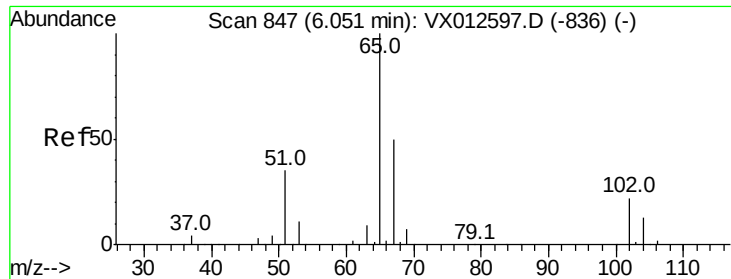
Cyclohexane
Concen: 1.028 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012843.D
Acq: 07 Oct 2019 17:10

Tgt Ion: 56 Resp: 3965
Ion Ratio Lower Upper
56 100
69 144.6 25.0 37.6#
84 147.8 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

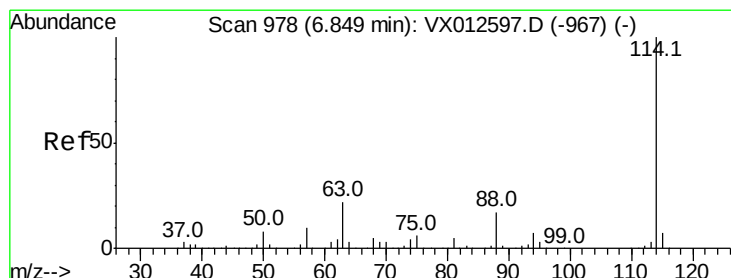
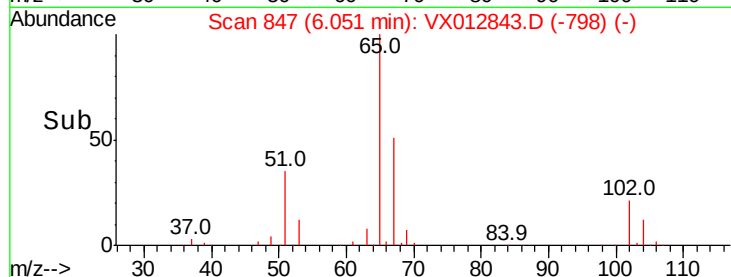
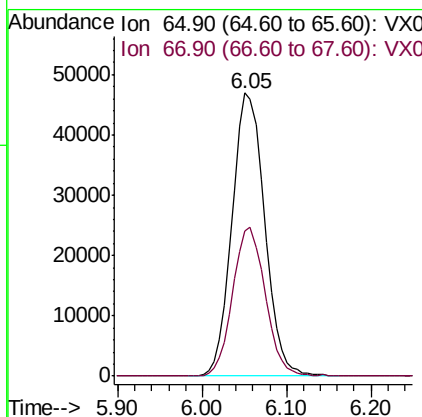
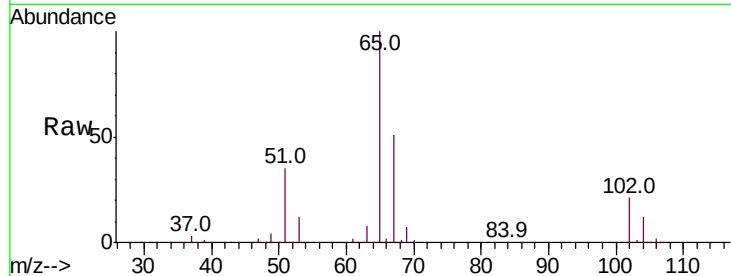




#33
 1,2-Dichloroethane-d4
 Concen: 44.508 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012843.D
 Acq: 07 Oct 2019 17:10

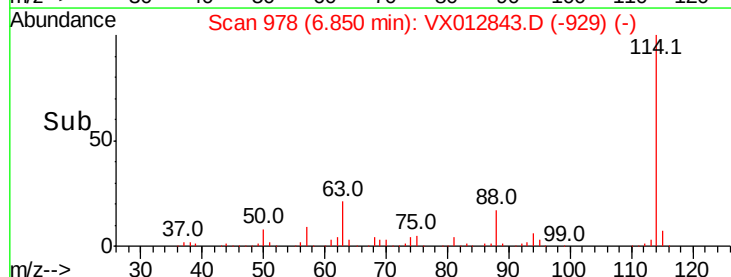
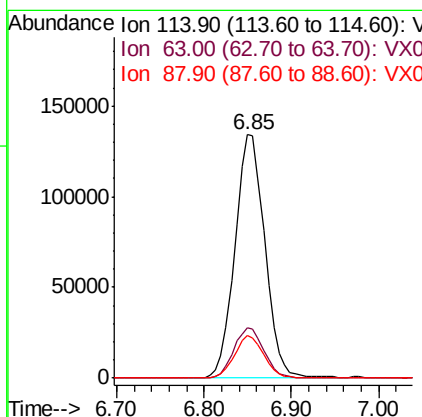
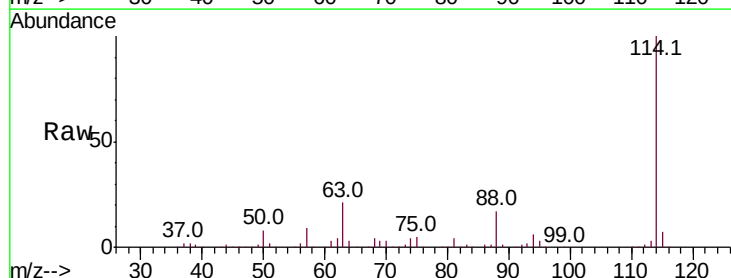
Instrument :
 MSVOA_X
 ClientSampled :
 MW-105I

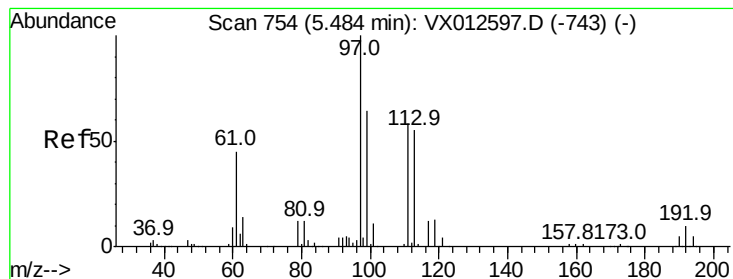
Tot Ion: 65 Resp: 123302
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012843.D
 Acq: 07 Oct 2019 17:10

Tgt Ion: 114 Resp: 319792
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.2
 88 17.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.343 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012843.D

Acq: 07 Oct 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

MW-105I

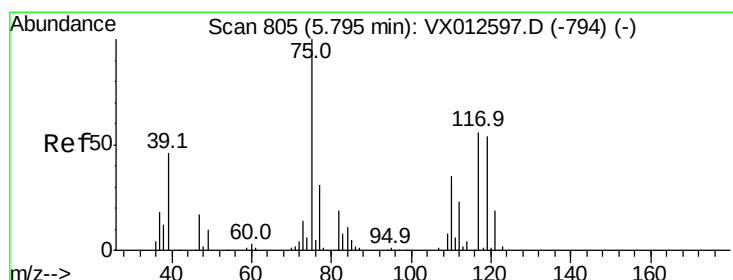
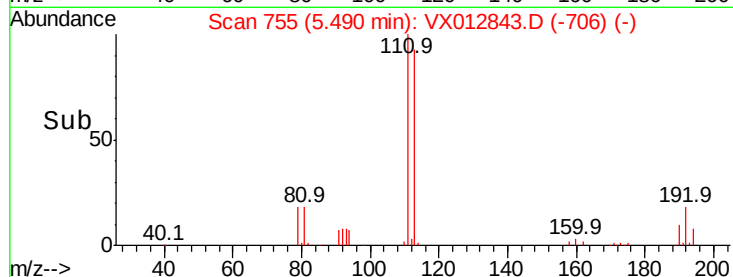
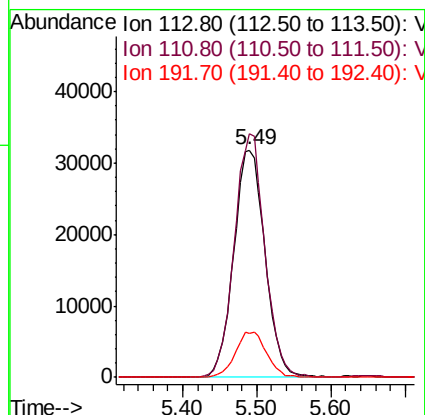
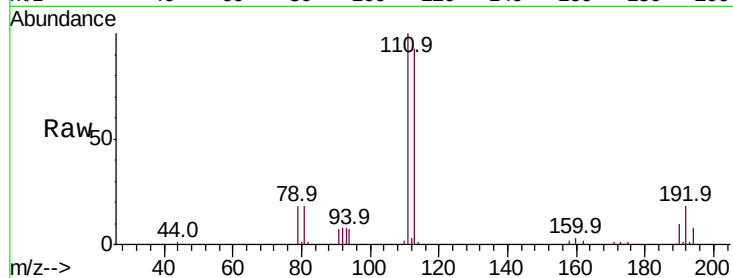
Tot Ion:113 Resp: 93973

Ion Ratio Lower Upper

113 100

111 104.1 83.4 125.2

192 19.8 14.4 21.6



#36

1,1-Dichloropropene

Concen: 4.893 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012843.D

Acq: 07 Oct 2019 17:10

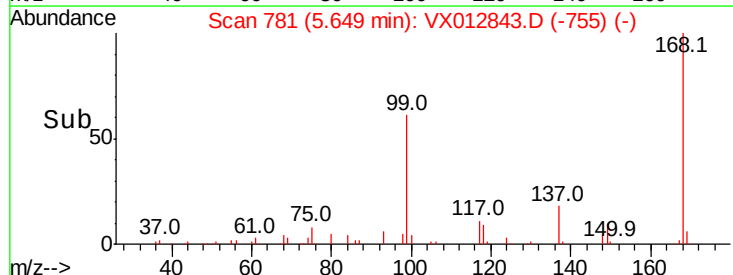
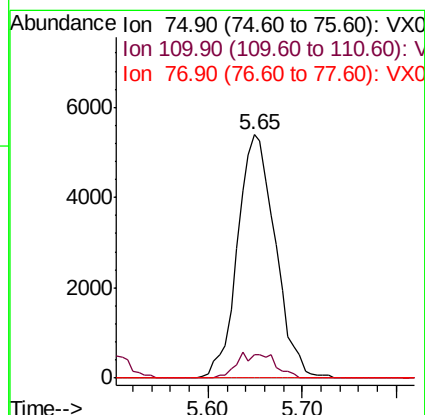
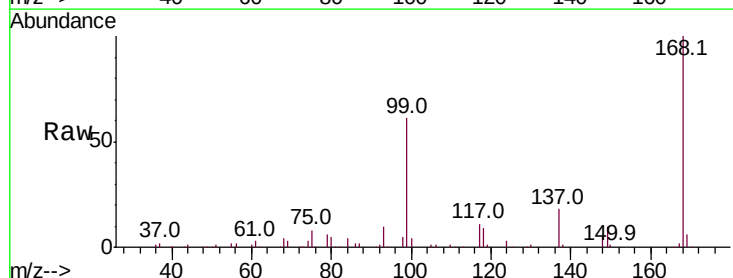
Tgt Ion: 75 Resp: 15082

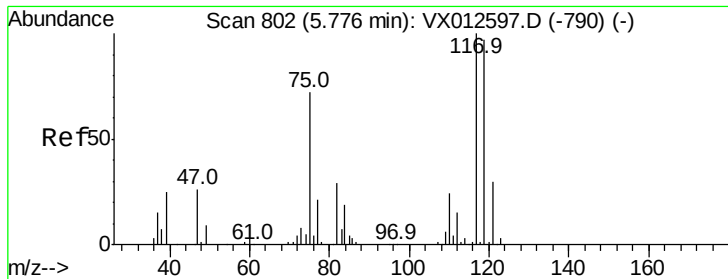
Ion Ratio Lower Upper

75 100

110 10.3 16.7 50.0#

77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.272 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012843.D

Acq: 07 Oct 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

MW-105I

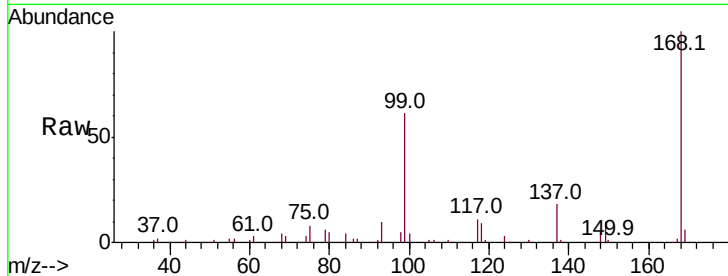
Tot Ion:117 Resp: 19639

Ion Ratio Lower Upper

117 100

119 6.9 75.7 113.5#

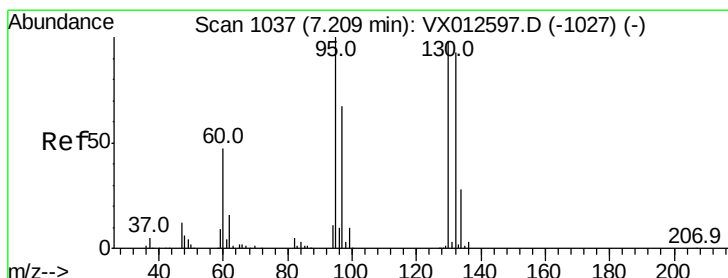
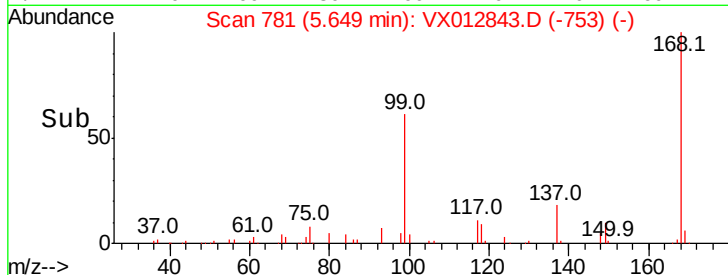
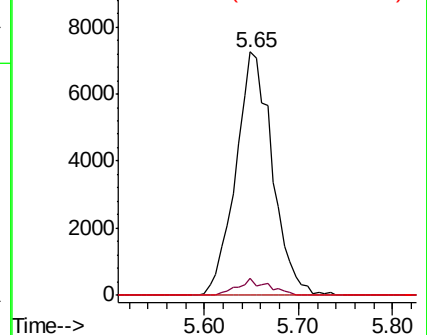
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.422 ug/l

RT: 7.22 min Scan# 1039

Delta R.T. 0.02 min

Lab File: VX012843.D

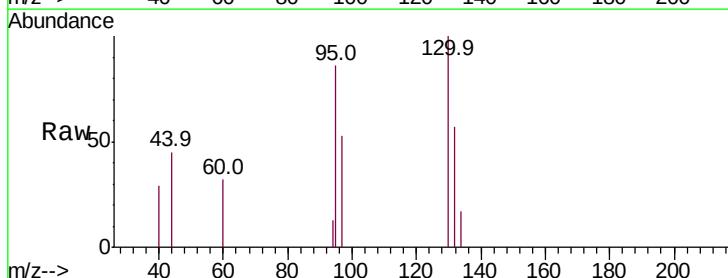
Acq: 07 Oct 2019 17:10

Tgt Ion:130 Resp: 978

Ion Ratio Lower Upper

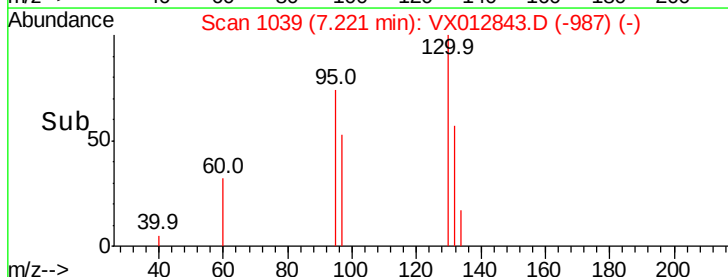
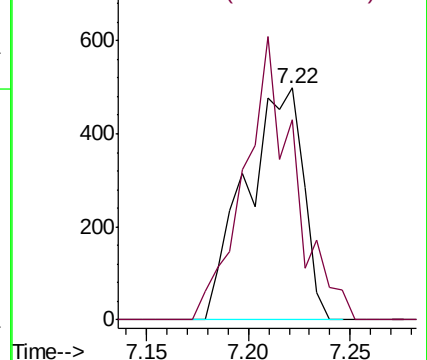
130 100

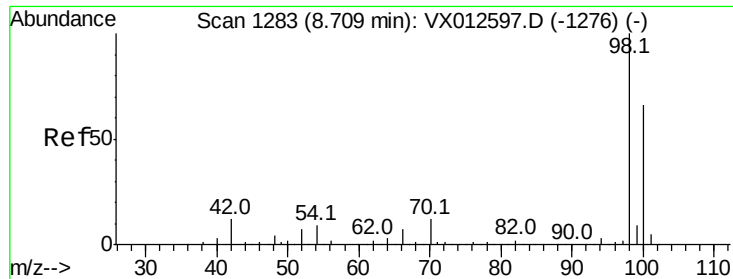
95 86.4 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

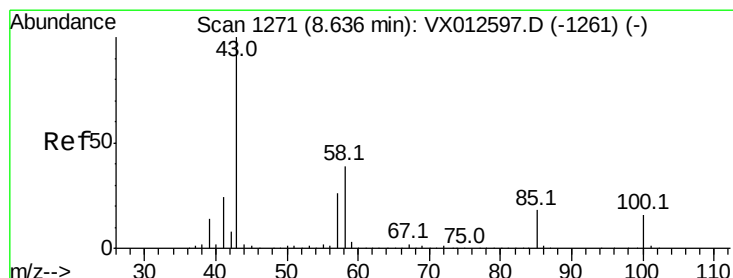
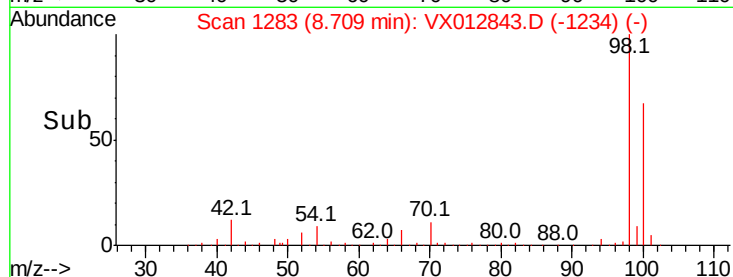
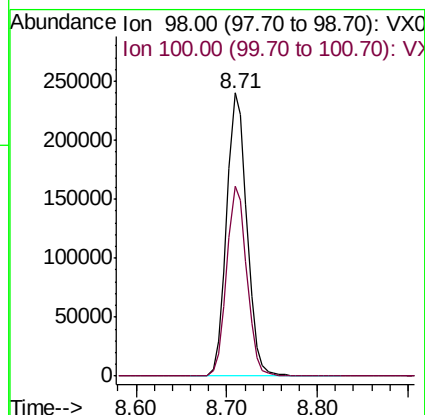
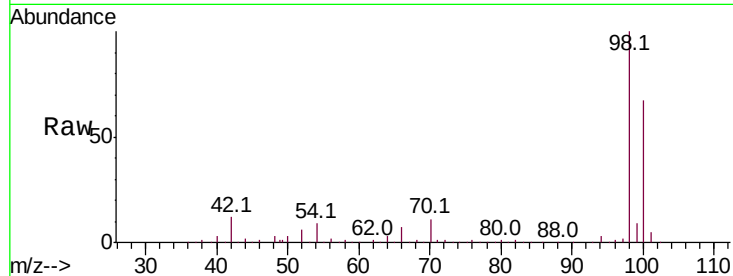




#50
Toluene-d8
Concen: 51.048 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012843.D
Acq: 07 Oct 2019 17:10

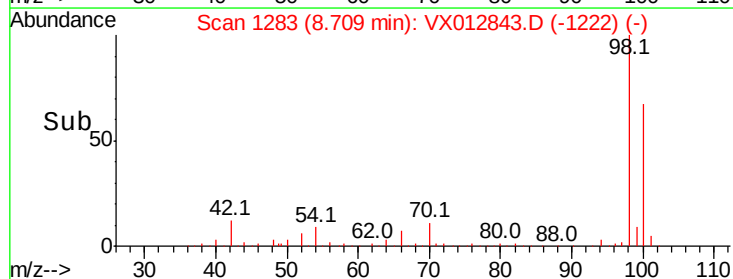
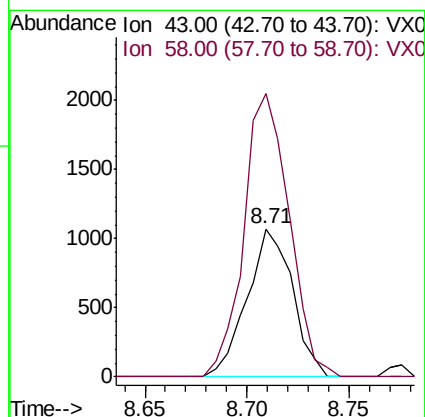
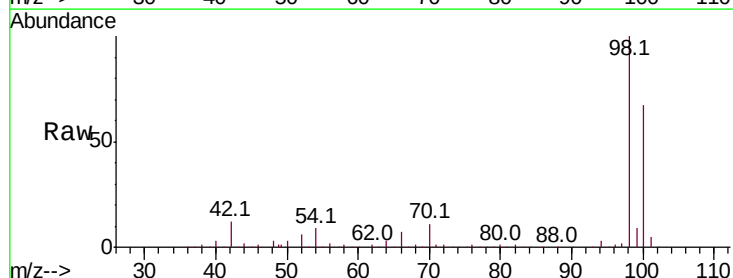
Instrument :
MSVOA_X
ClientSampleId :
MW-105I

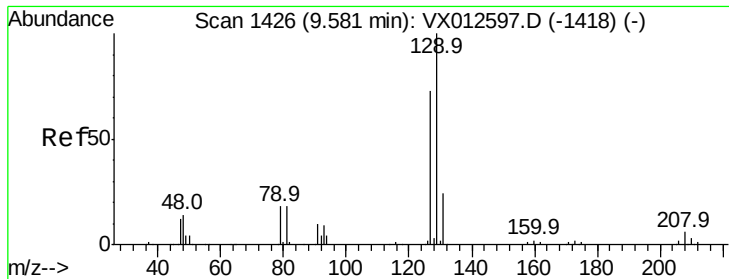
Tot Ion: 98 Resp: 374407
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.444 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012843.D
Acq: 07 Oct 2019 17:10

Tgt Ion: 43 Resp: 1652
Ion Ratio Lower Upper
43 100
58 191.0 29.8 44.6#





#60

Dibromochloromethane

Concen: 0.306 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012843.D

Acq: 07 Oct 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

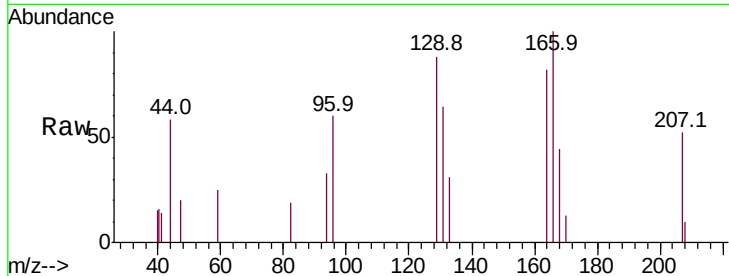
MW-105I

Tot Ion:129 Resp: 703

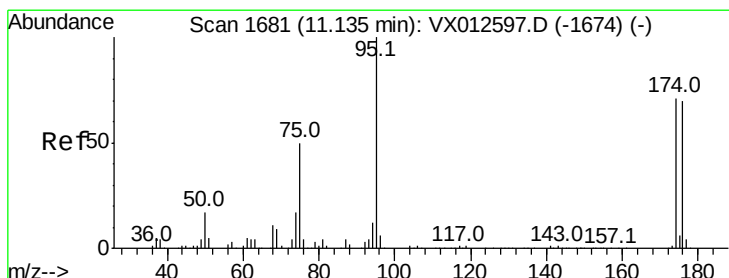
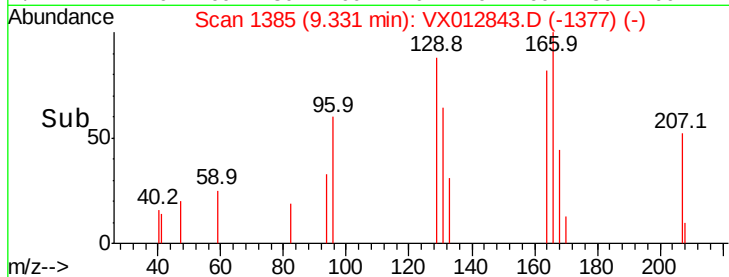
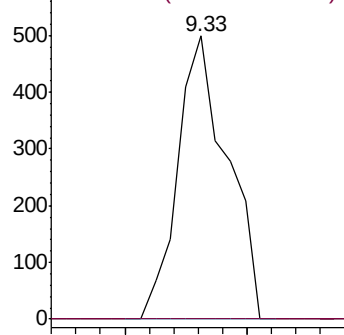
Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V



#62

4-Bromofluorobenzene

Concen: 44.635 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012843.D

Acq: 07 Oct 2019 17:10

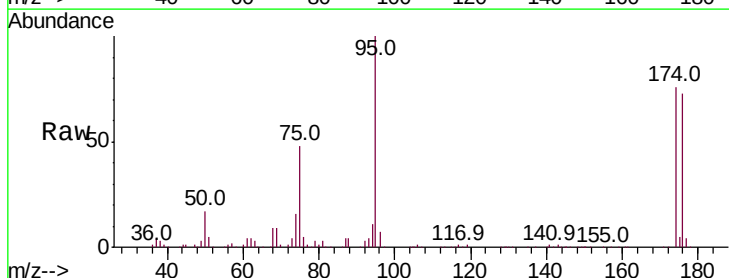
Tgt Ion: 95 Resp: 128721

Ion Ratio Lower Upper

95 100

174 71.5 0.0 140.0

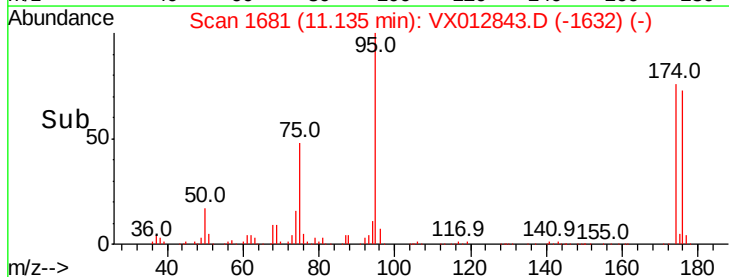
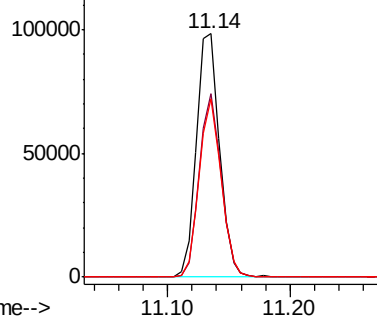
176 69.6 0.0 135.4

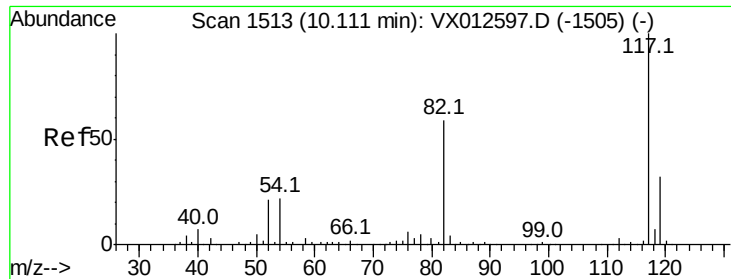


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

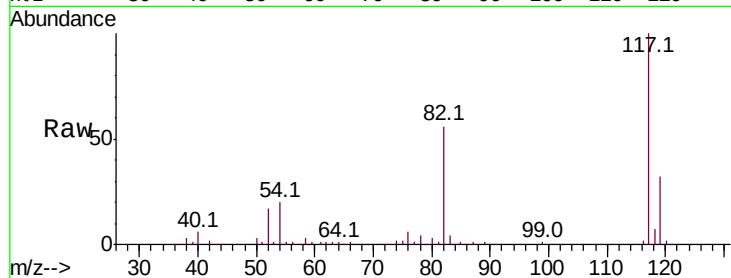




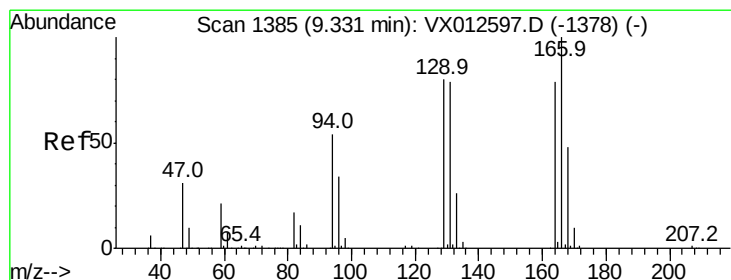
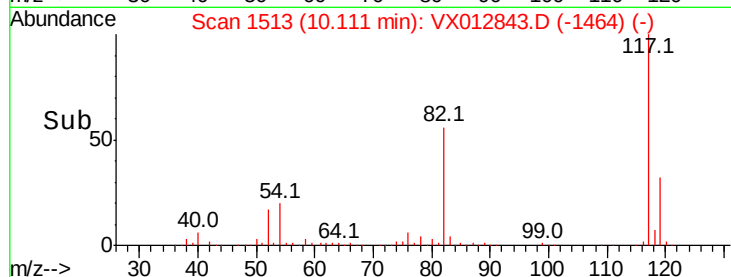
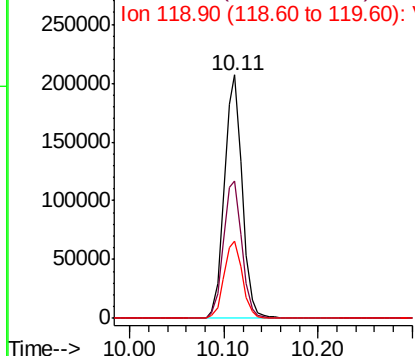
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012843.D
Acq: 07 Oct 2019 17:10

Instrument :
MSVOA_X
ClientSampled :
MW-105I

Tot Ion:117 Resp: 270479
Ion Ratio Lower Upper
117 100
82 56.5 45.9 68.9
119 31.7 25.3 37.9

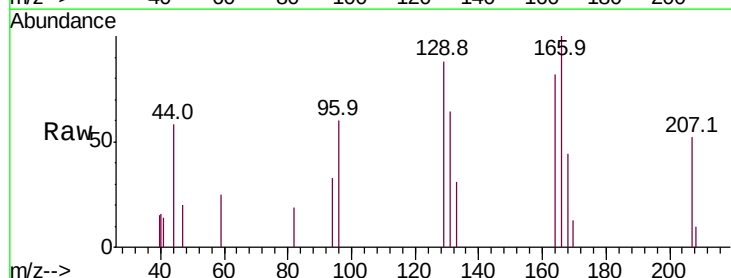


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

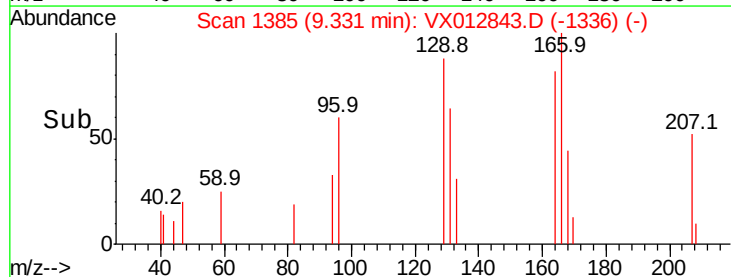
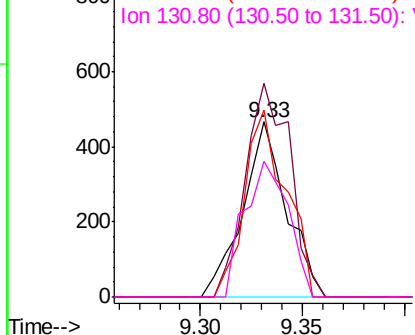


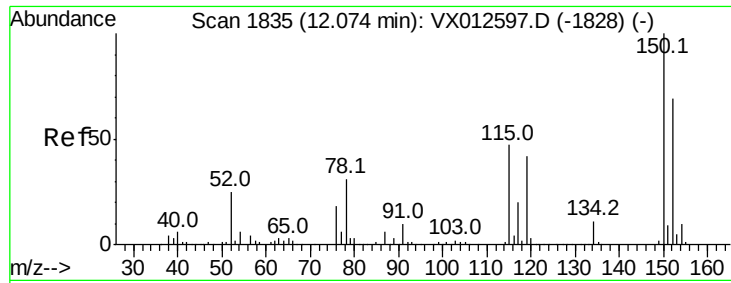
#64
Tetrachloroethene
Concen: 0.371 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012843.D
Acq: 07 Oct 2019 17:10

Tgt Ion:164 Resp: 699
Ion Ratio Lower Upper
164 100
166 122.1 107.8 161.6
129 107.1 86.2 129.2
131 77.7 80.4 120.6#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012843.D

Acq: 07 Oct 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

MW-105I

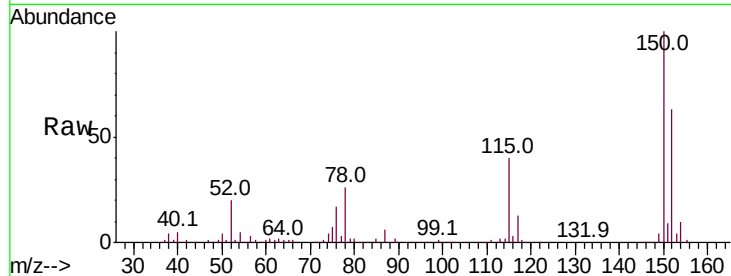
Tot Ion:152 Resp: 106693

Ion Ratio Lower Upper

152 100

115 63.2 44.1 132.3

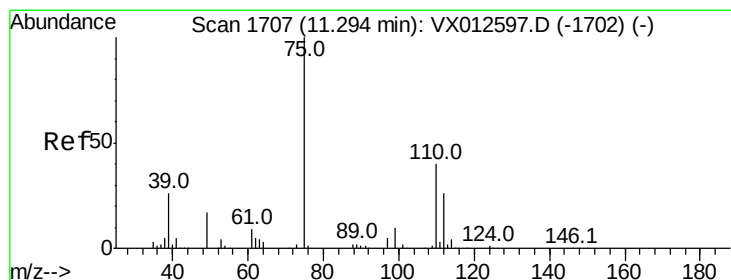
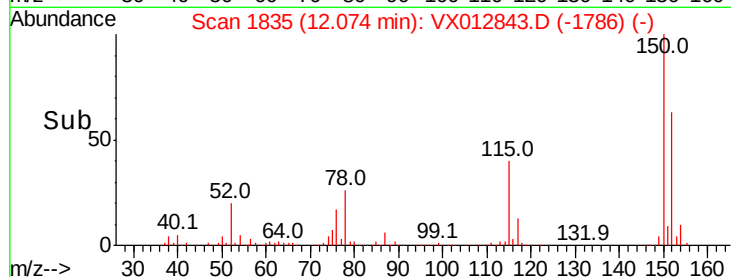
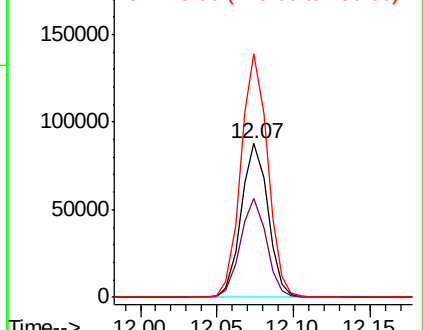
150 158.5 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.413 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012843.D

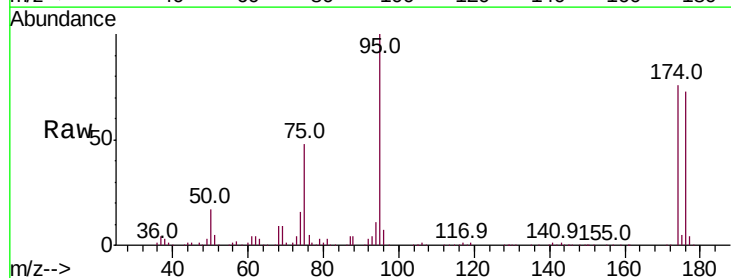
Acq: 07 Oct 2019 17:10

Tgt Ion: 75 Resp: 63256

Ion Ratio Lower Upper

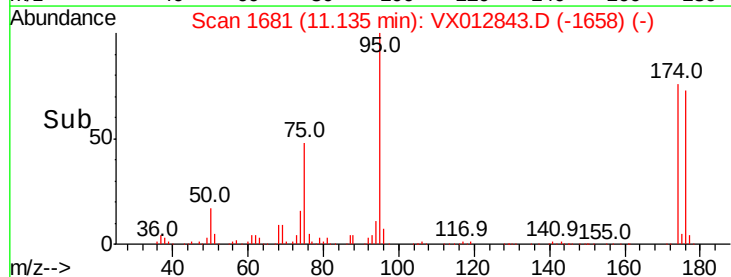
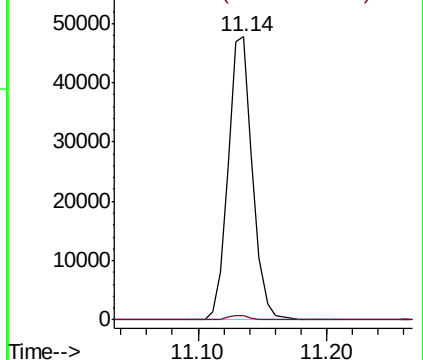
75 100

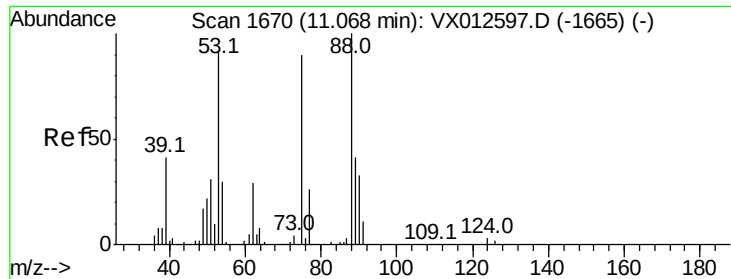
77 1.3 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.231 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012843.D

Acq: 07 Oct 2019 17:10

Instrument :

MSVOA_X

ClientSampleId :

MW-105I

Tot Ion: 75 Resp: 63256

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

