

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080619\
 Data File : VX011343.D
 Acq On : 06 Aug 2019 10:53
 Operator : JC/SP
 Sample : VX0806WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806WBL01

Quant Time: Aug 07 01:11:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	142647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100899	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	80904	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	
35) Dibromofluoromethane	5.49	113	76224	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	8.71	98	284823	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.13	95	95500	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	

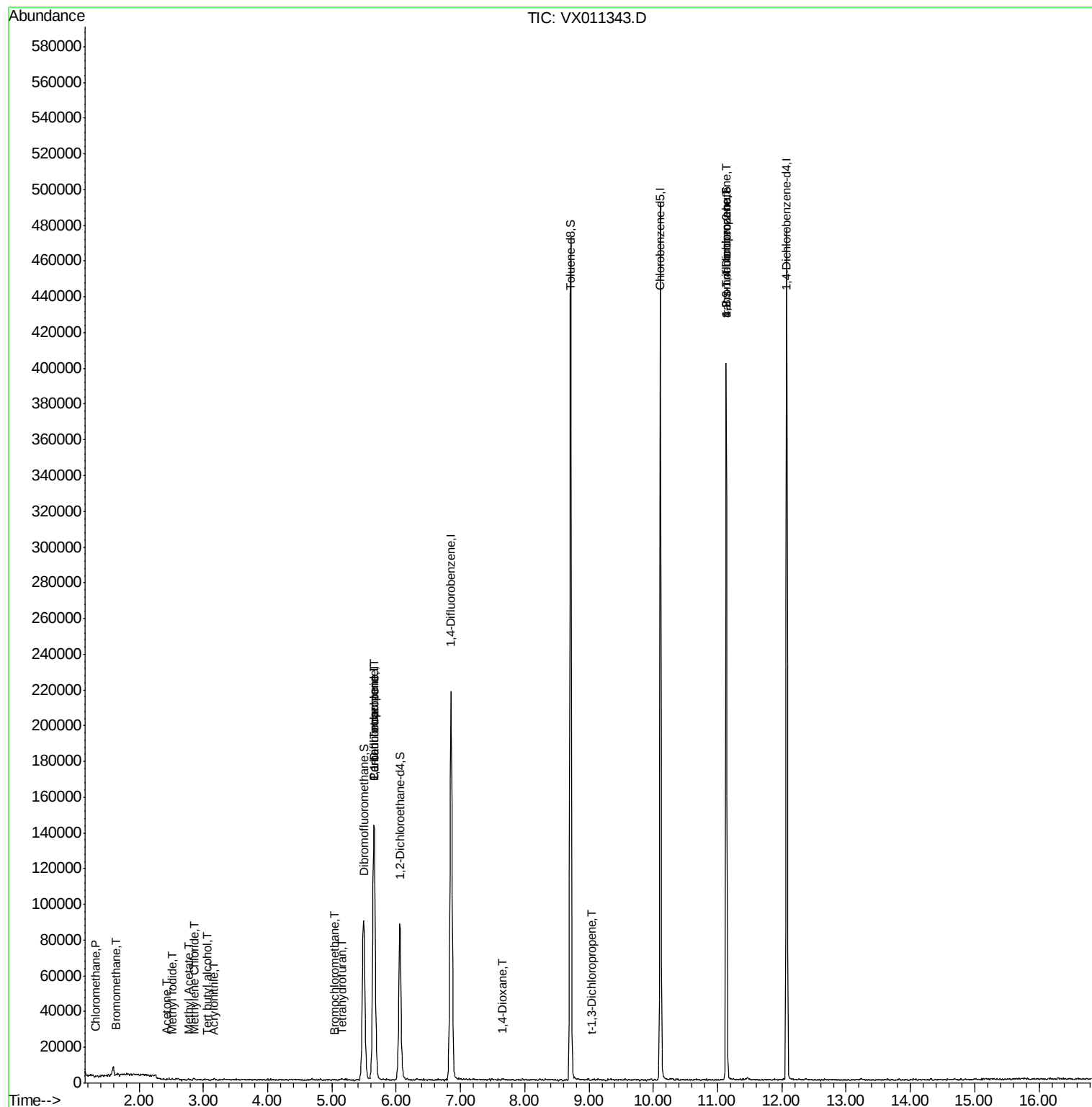
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	493	0.398	ug/l #	46
5) Bromomethane	1.64	94	412	0.424	ug/l	88
6) Chloroethane	1.71	64	754	Below Cal	#	36
10) Methyl Iodide	2.52	142	382	0.231	ug/l #	74
11) Tert butyl alcohol	3.06	59	127	0.466	ug/l #	72
13) Acrolein	2.31	56	22	Below Cal	#	1
15) Acrylonitrile	3.15	53	190	0.278	ug/l #	47
16) Acetone	2.43	43	342	0.500	ug/l #	59
18) Methyl Acetate	2.78	43	330	0.211	ug/l #	70
20) Methylene Chloride	2.85	84	307	0.205	ug/l #	69
28) Bromochloromethane	5.04	49	255	0.249	ug/l #	4
29) Tetrahydrofuran	5.16	42	513	0.860	ug/l #	43
36) 1,1-Dichloropropene	5.65	75	9635	4.772	ug/l #	49
38) Carbon Tetrachloride	5.65	117	13189	6.493	ug/l #	14
49) 1,4-Dioxane	7.65	88	19	0.430	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	21	2.847	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	47436	25.816	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	47436	67.220	ug/l #	10

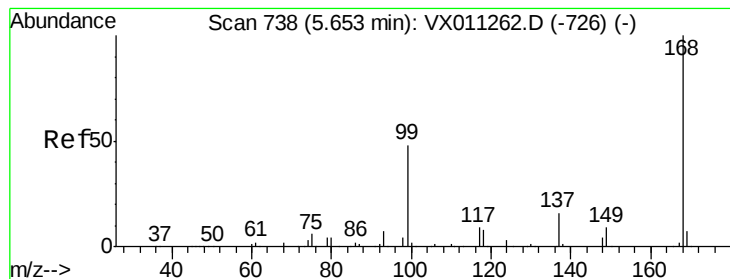
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011343.D

Acq: 06 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

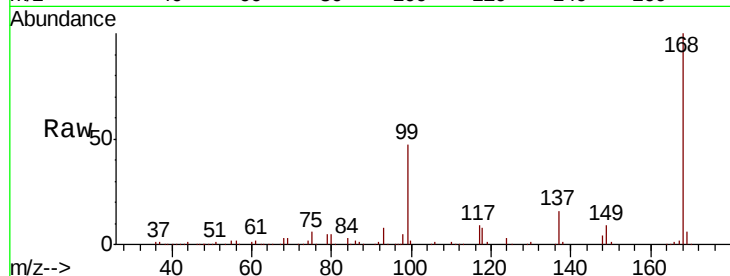
VX0806WBL01

Tgt Ion:168 Resp: 142647

Ion Ratio Lower Upper

168 100

99 47.0 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

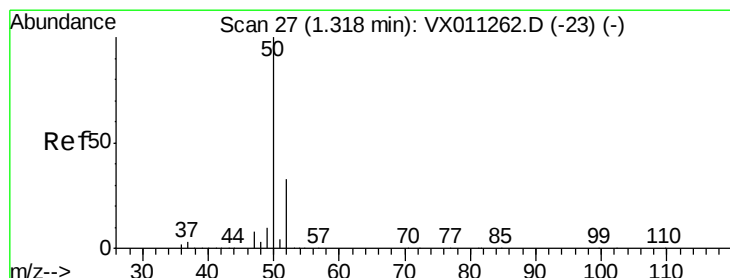
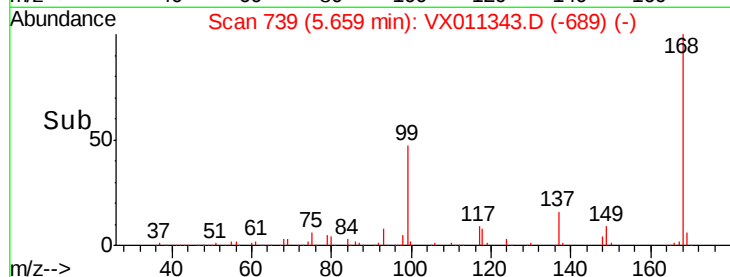
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.398 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011343.D

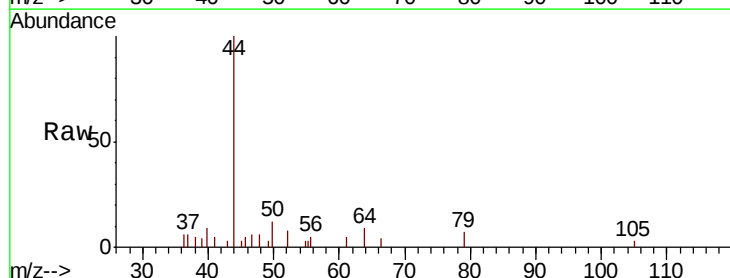
Acq: 06 Aug 2019 10:53

Tgt Ion: 50 Resp: 493

Ion Ratio Lower Upper

50 100

52 63.4 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200

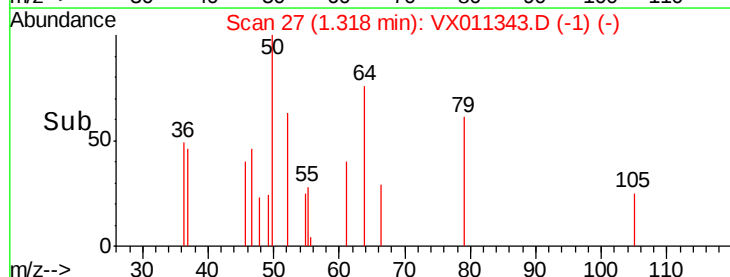
150

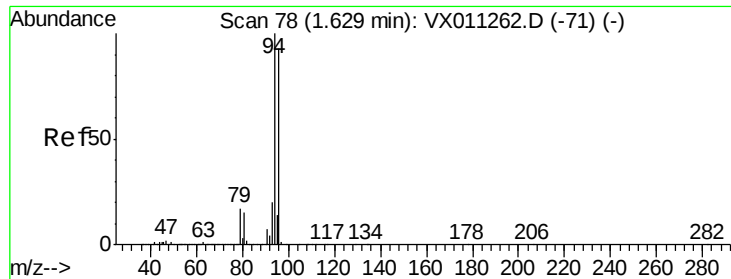
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.424 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011343.D

Acq: 06 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

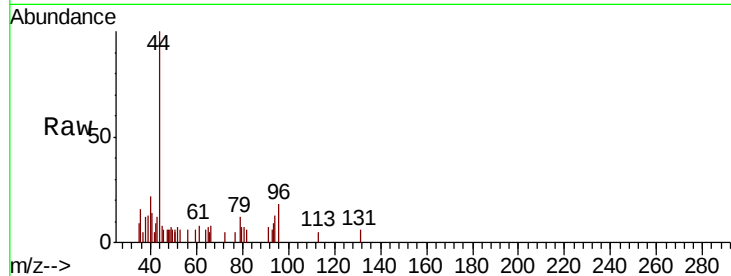
VX0806WBL01

Tgt Ion: 94 Resp: 412

Ion Ratio Lower Upper

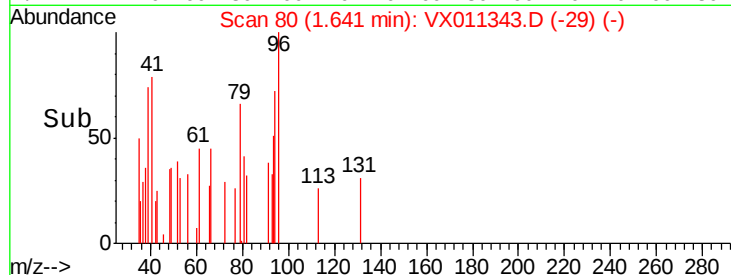
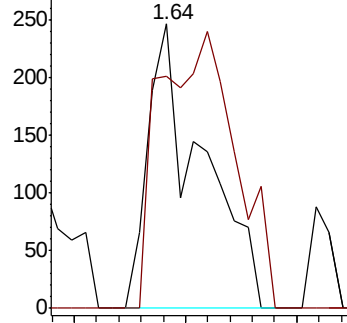
94 100

96 81.7 74.6 112.0

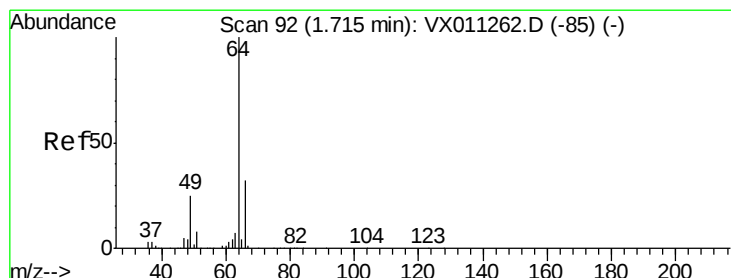


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011343.D

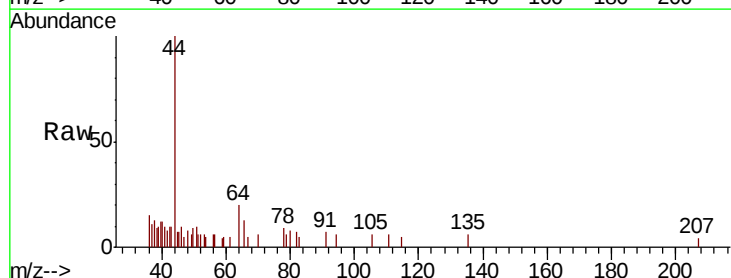
Acq: 06 Aug 2019 10:53

Tgt Ion: 64 Resp: 754

Ion Ratio Lower Upper

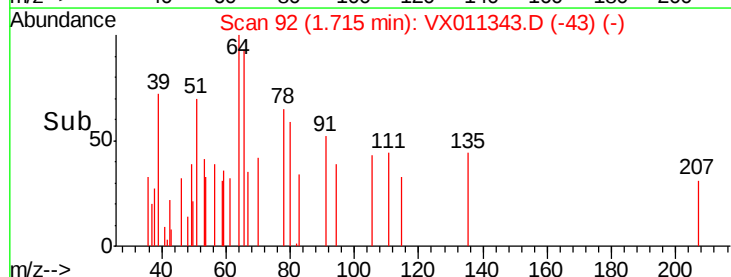
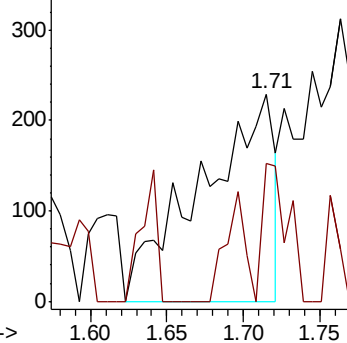
64 100

66 66.8 25.1 37.7#

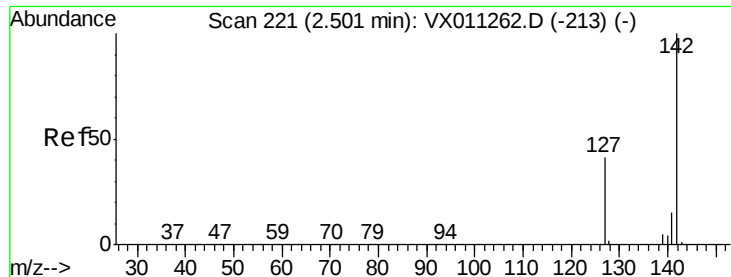


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



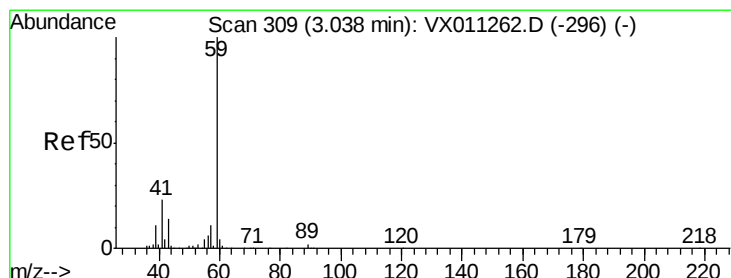
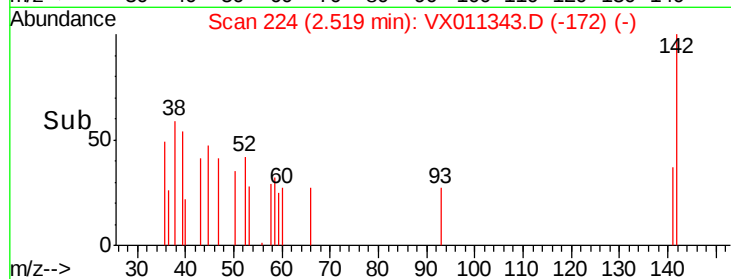
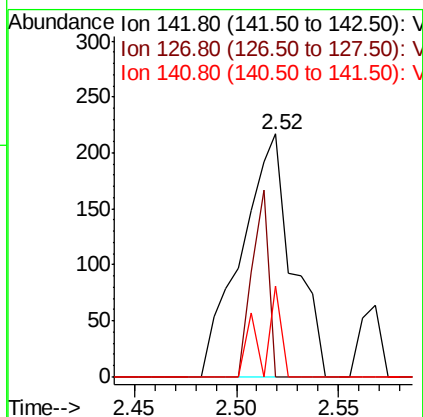
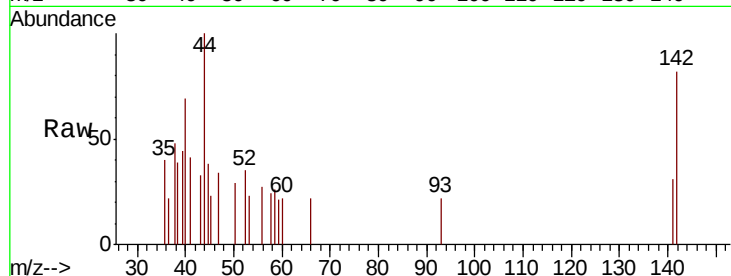
Time-->



#10
Methyl Iodide
Concen: 0.231 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.02 min
Lab File: VX011343.D
Acq: 06 Aug 2019 10:53

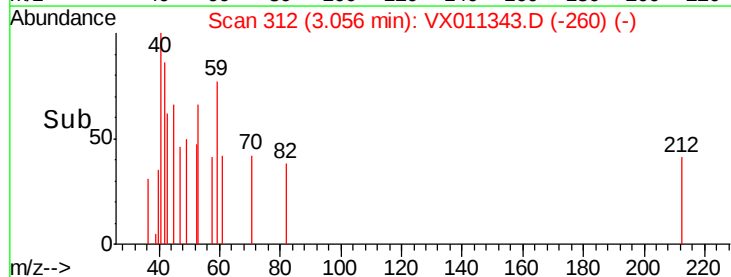
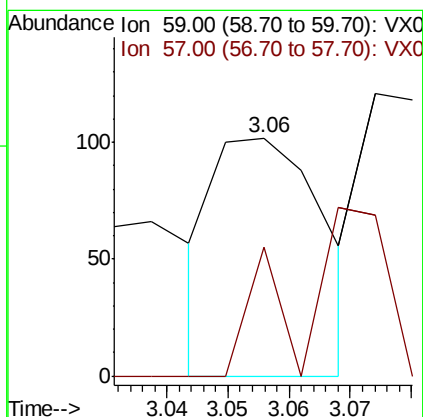
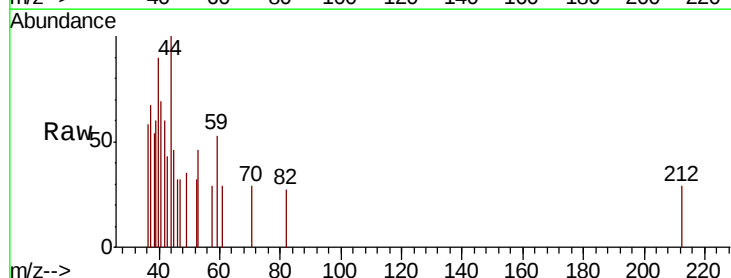
Instrument :
MSVOA_X
ClientSampleId :
VX0806WBL01

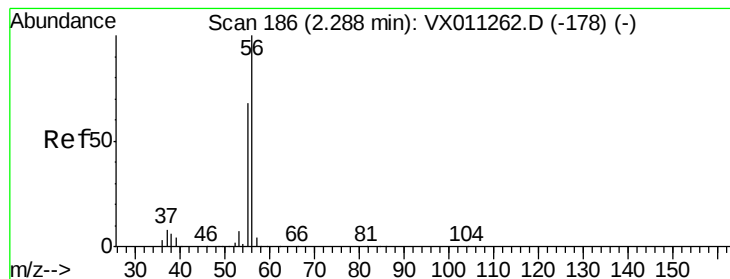
Tgt Ion:142 Resp: 382
Ion Ratio Lower Upper
142 100
127 24.9 33.8 50.8#
141 5.5 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.466 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.02 min
Lab File: VX011343.D
Acq: 06 Aug 2019 10:53

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX011343.D

Acq: 06 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

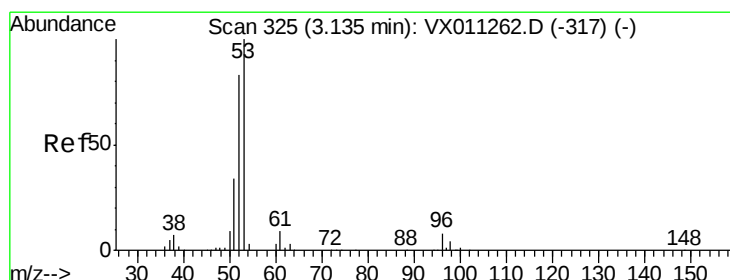
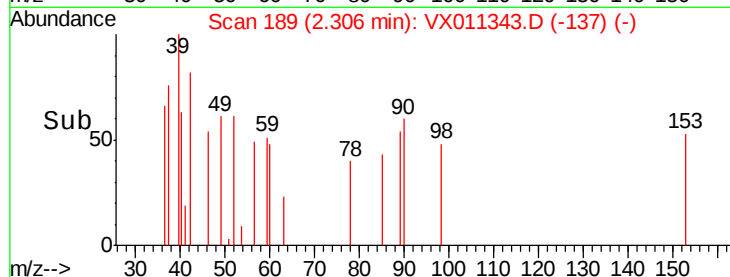
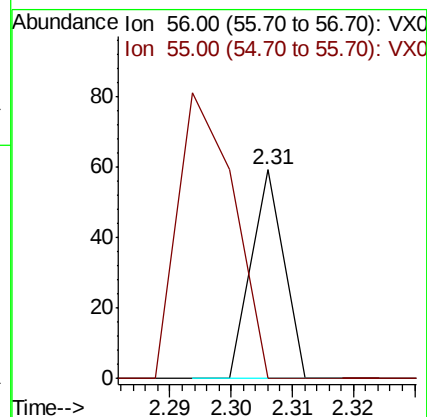
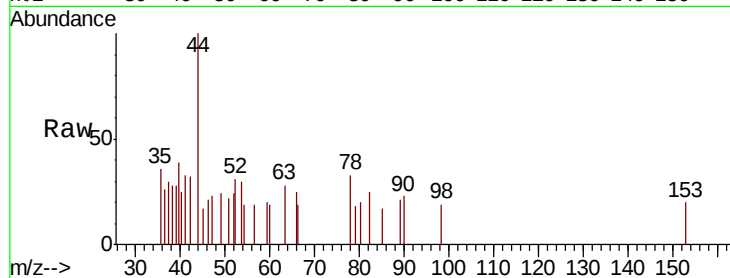
VX0806WBL01

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 231.8 56.0 84.0#



#15

Acrylonitrile

Concen: 0.278 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.02 min

Lab File: VX011343.D

Acq: 06 Aug 2019 10:53

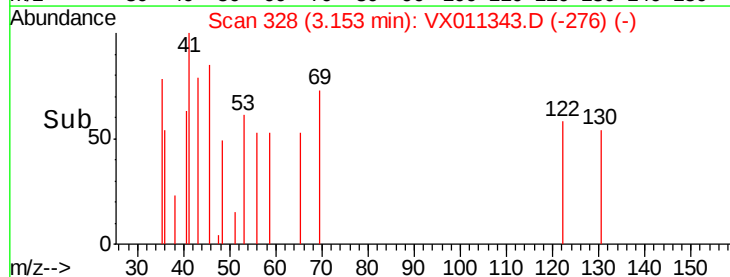
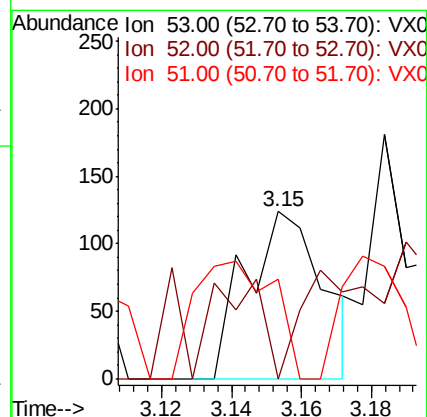
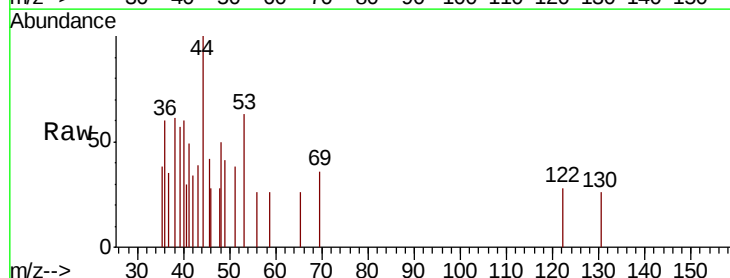
Tgt Ion: 53 Resp: 190

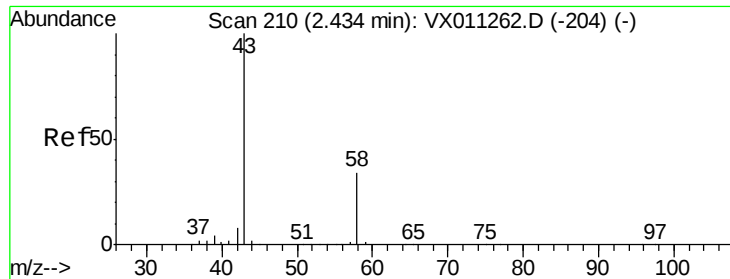
Ion Ratio Lower Upper

53 100

52 37.9 65.5 98.3#

51 71.6 27.9 41.9#





#16

Acetone

Concen: 0.500 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011343.D

Acq: 06 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

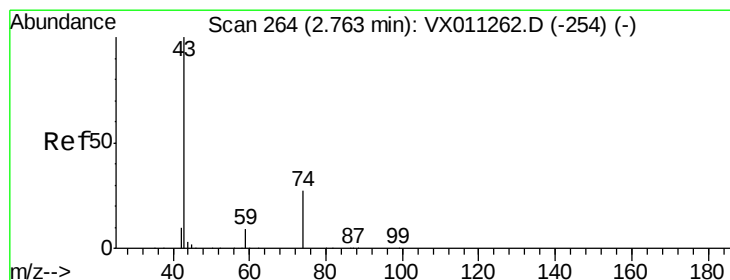
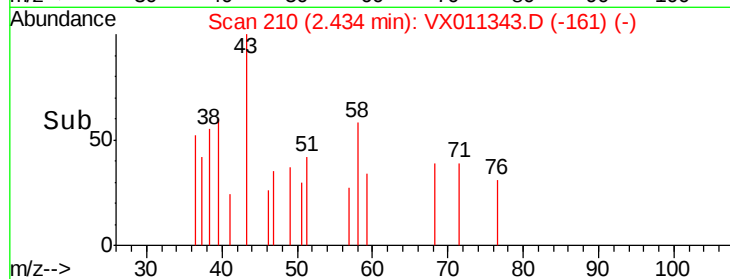
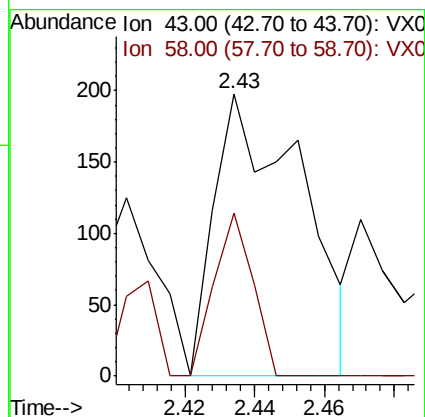
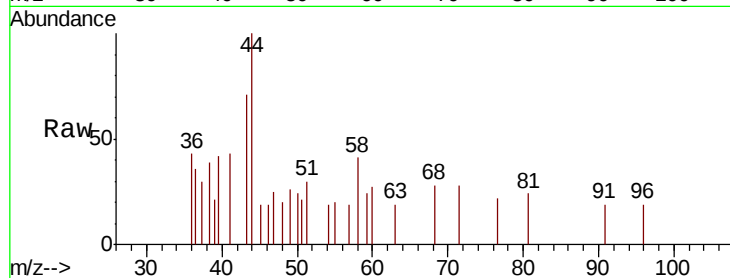
VX0806WBL01

Tgt Ion: 43 Resp: 342

Ion Ratio Lower Upper

43 100

58 57.6 27.4 41.0#



#18

Methyl Acetate

Concen: 0.211 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX011343.D

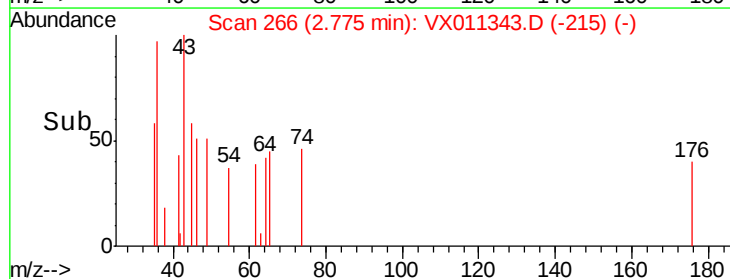
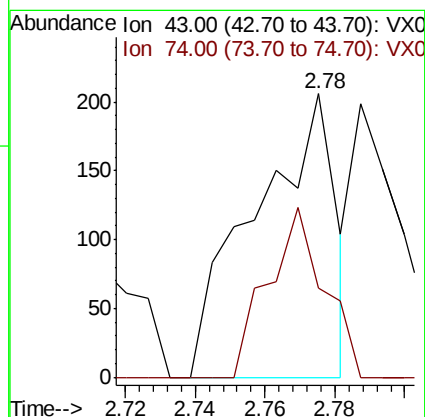
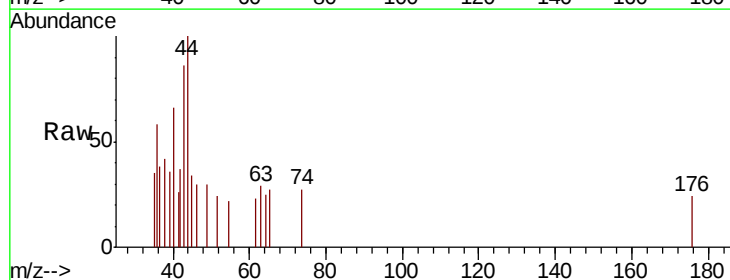
Acq: 06 Aug 2019 10:53

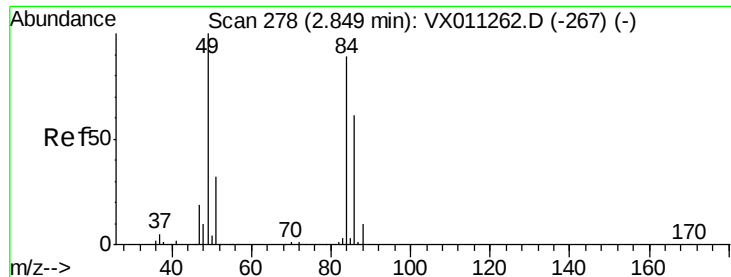
Tgt Ion: 43 Resp: 330

Ion Ratio Lower Upper

43 100

74 41.8 21.0 31.6#





#20

Methylene Chloride

Concen: 0.205 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX011343.D

Acq: 06 Aug 2019 10:53

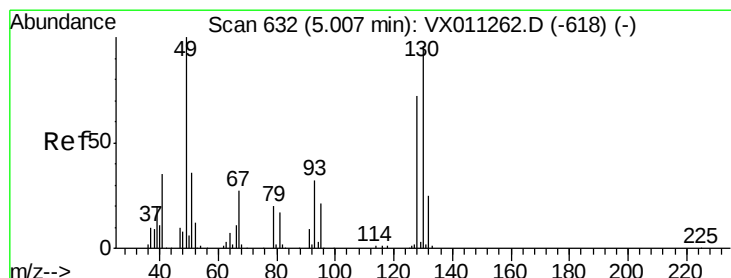
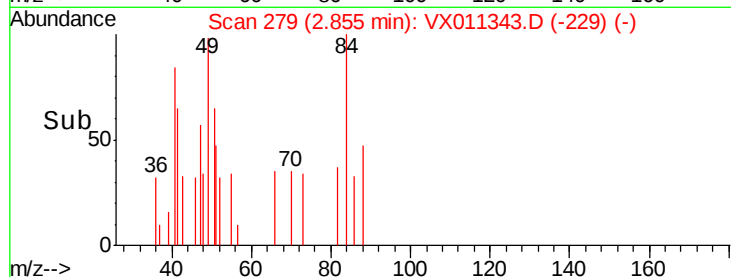
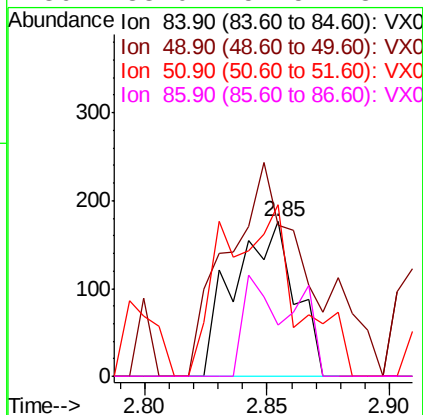
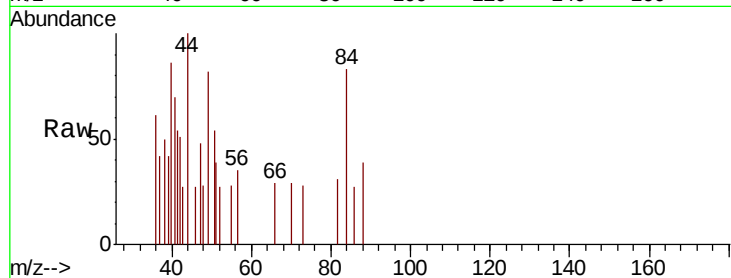
Instrument :

MSVOA_X

ClientSampleId :

VX0806WBL01

Tgt Ion:	84	Resp:	307
Ion	Ratio	Lower	Upper
84	100		
49	97.7	89.3	133.9
51	72.2	28.3	42.5#
86	33.0	54.5	81.7#



#28

Bromochloromethane

Concen: 0.249 ug/l

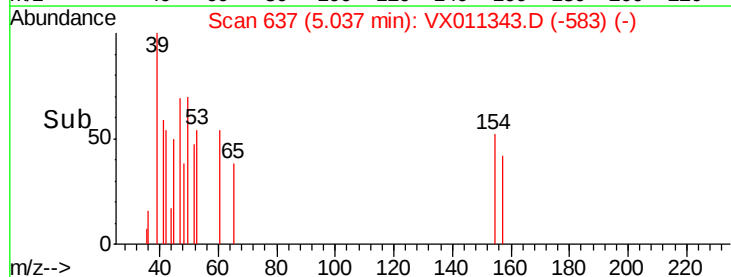
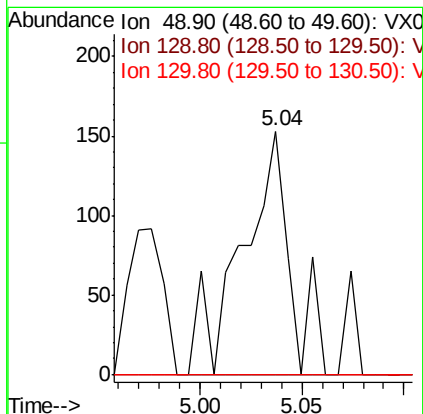
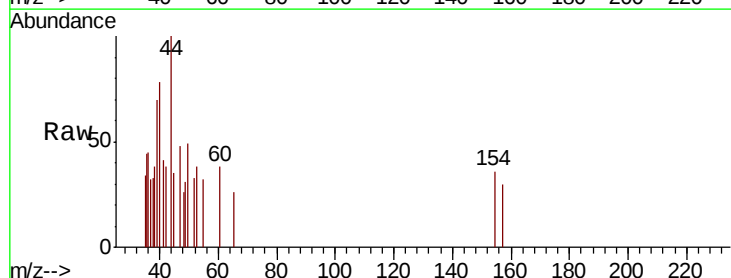
RT: 5.04 min Scan# 637

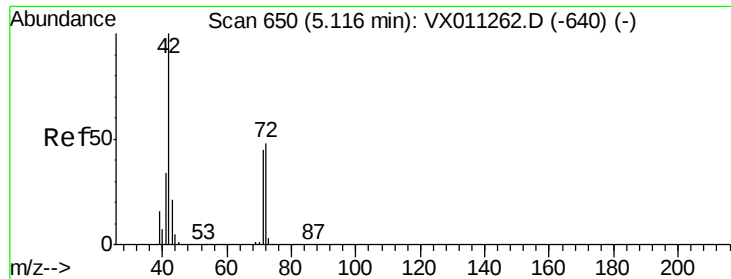
Delta R.T. 0.03 min

Lab File: VX011343.D

Acq: 06 Aug 2019 10:53

Tgt Ion:	49	Resp:	255
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.8
130	0.0	77.9	116.9#





#29

Tetrahydrofuran

Concen: 0.860 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.04 min

Lab File: VX011343.D

Acq: 06 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampled :

VX0806WBL01

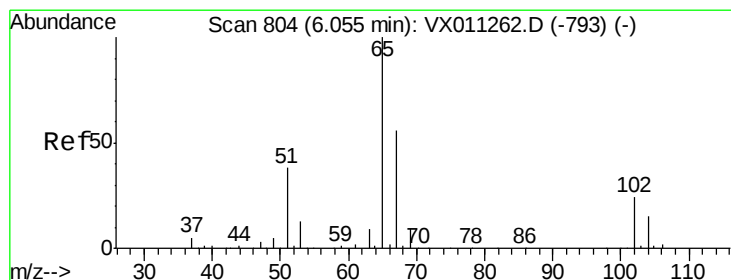
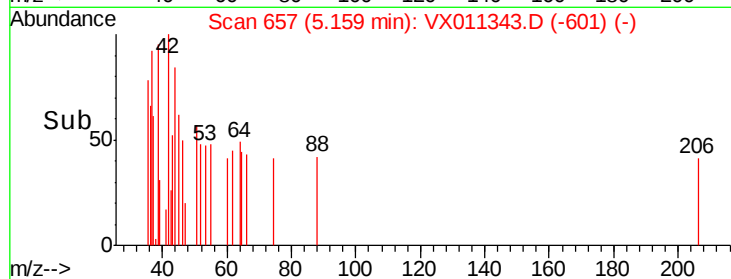
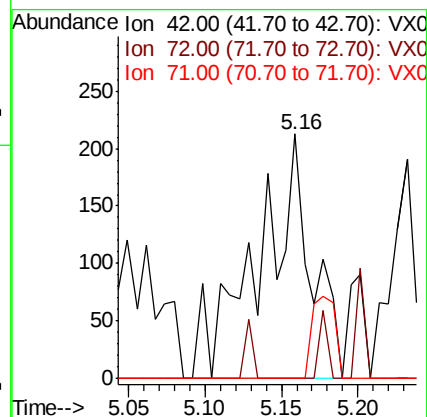
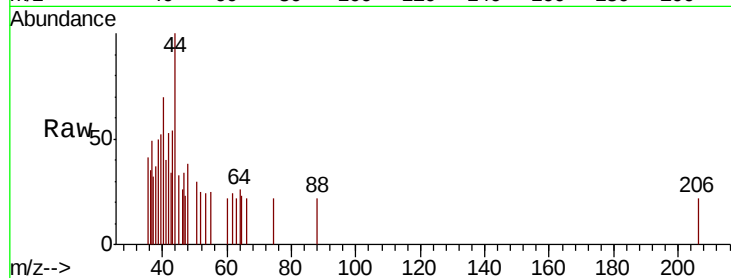
Tgt Ion: 42 Resp: 513

Ion Ratio Lower Upper

42 100

72 4.3 39.9 59.9#

71 14.4 36.9 55.3#



#33

1,2-Dichloroethane-d4

Concen: 56.319 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011343.D

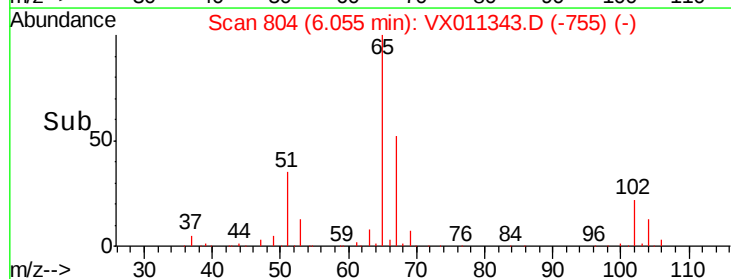
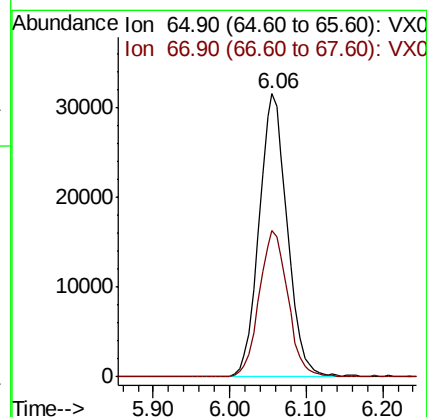
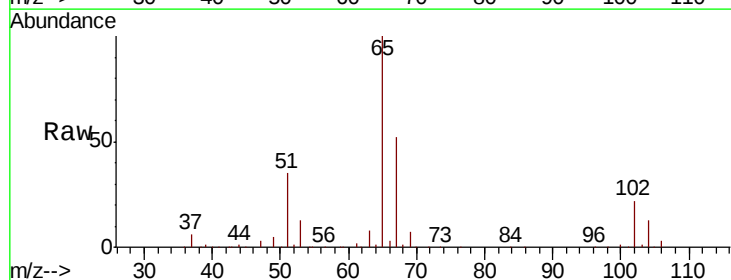
Acq: 06 Aug 2019 10:53

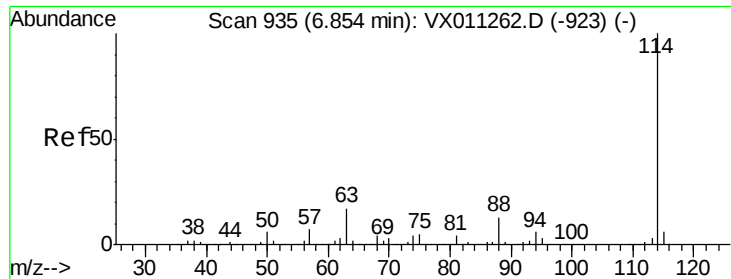
Tgt Ion: 65 Resp: 80904

Ion Ratio Lower Upper

65 100

67 52.6 0.0 110.6

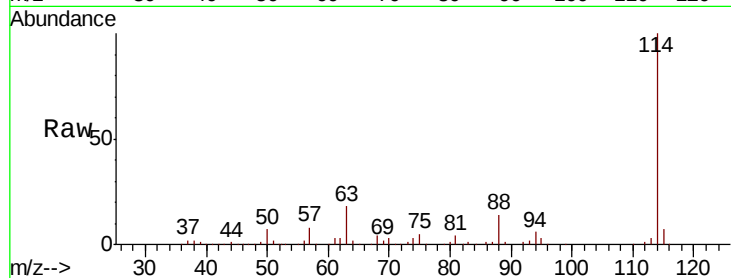




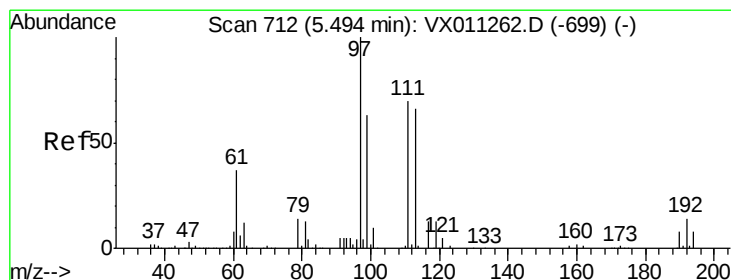
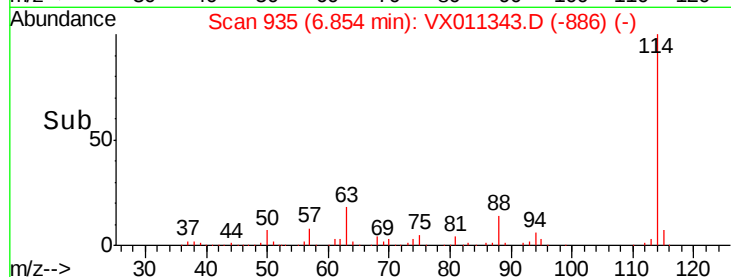
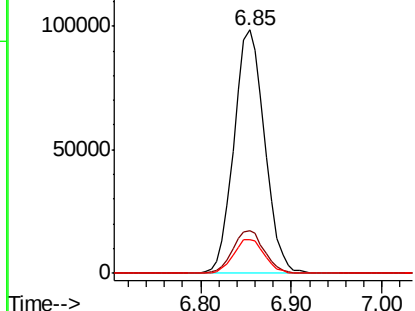
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011343.D
 Acq: 06 Aug 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806WBL01

Tgt Ion:114 Resp: 231246
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.0
 88 14.1 0.0 26.4

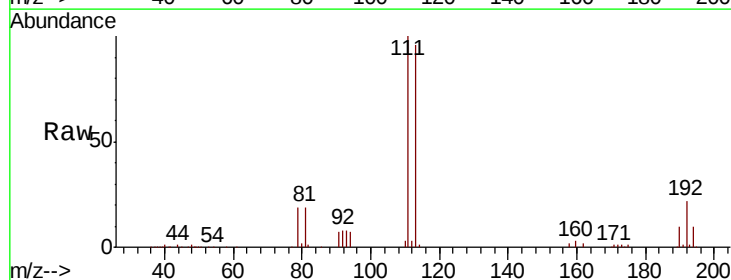


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

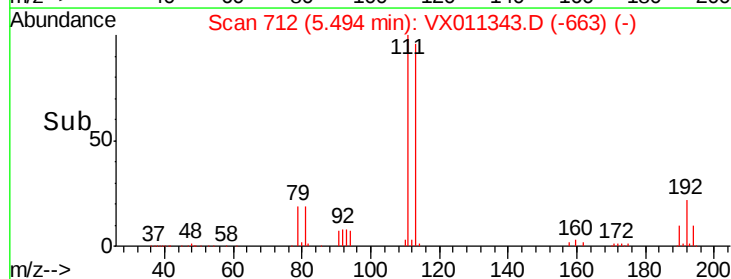
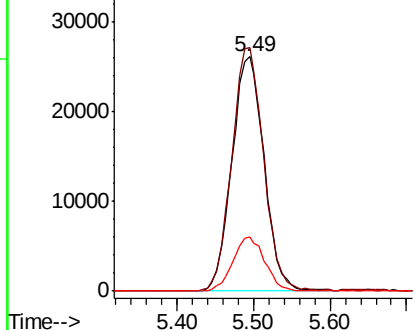


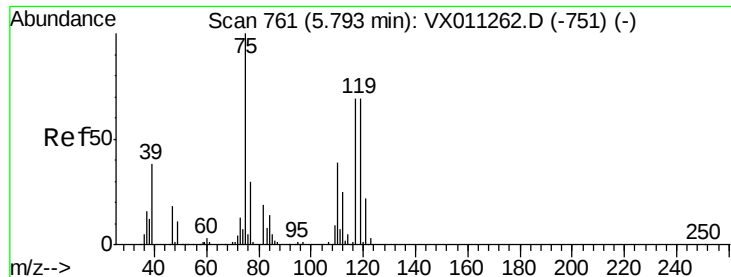
#35
 Dibromofluoromethane
 Concen: 50.488 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011343.D
 Acq: 06 Aug 2019 10:53

Tgt Ion:113 Resp: 76224
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 22.7 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

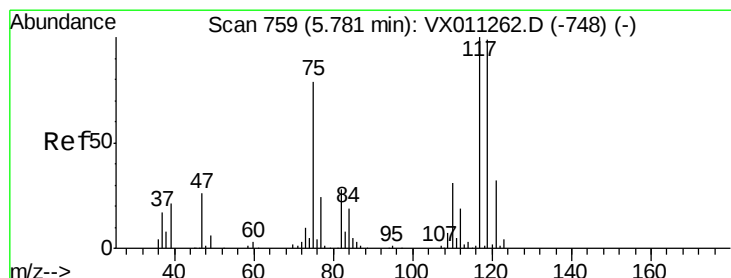
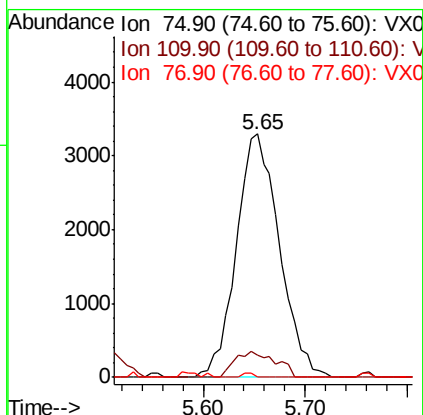
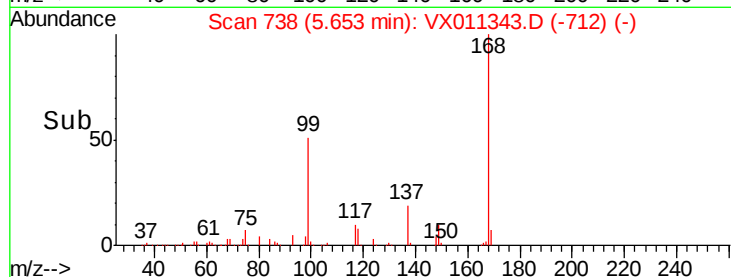
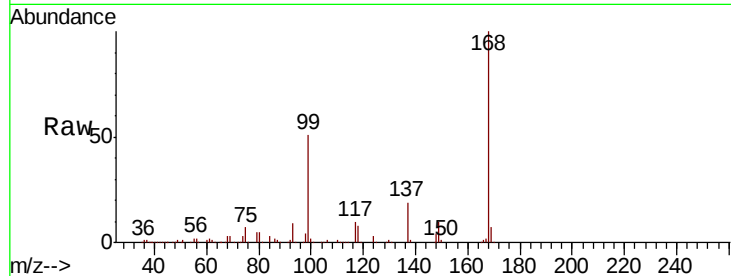




#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011343.D
 Acq: 06 Aug 2019 10:53

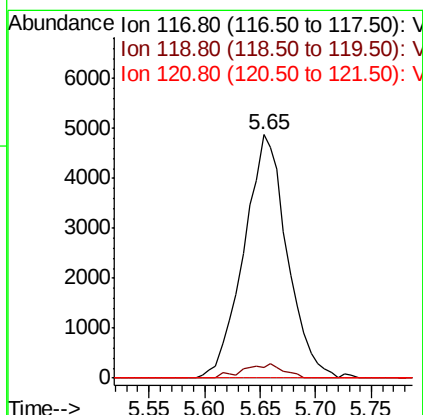
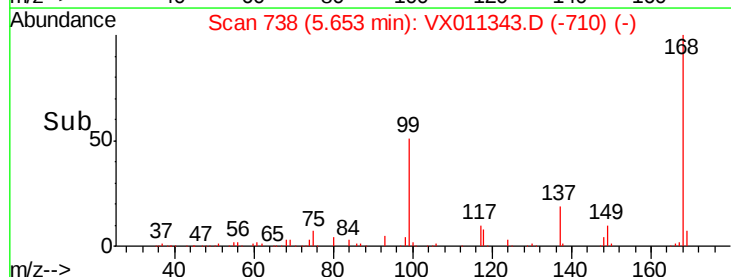
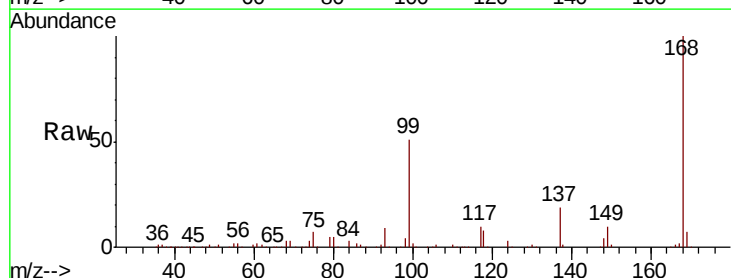
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806WBL01

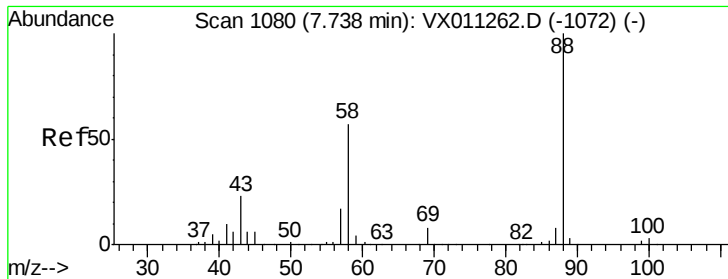
Tgt Ion: 75 Resp: 9635
 Ion Ratio Lower Upper
 75 100
 110 10.1 20.0 59.9#
 77 0.4 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.493 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011343.D
 Acq: 06 Aug 2019 10:53

Tgt Ion: 117 Resp: 13189
 Ion Ratio Lower Upper
 117 100
 119 4.2 79.0 118.4#
 121 0.0 25.9 38.9#





#49

1,4-Dioxane

Concen: 0.430 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.09 min

Lab File: VX011343.D

Acq: 06 Aug 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0806WBL01

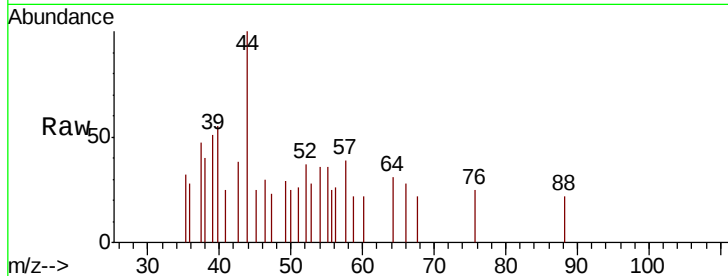
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 884.2 22.2 33.2#

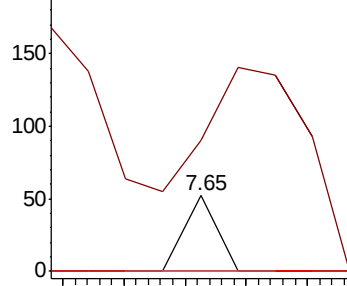
58 0.0 47.8 71.8#



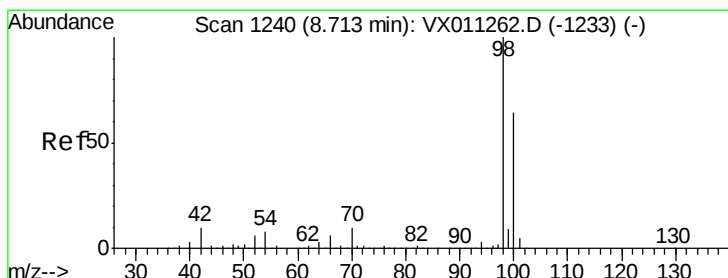
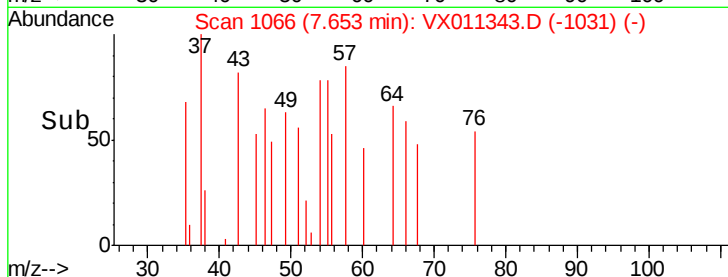
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 49.979 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011343.D

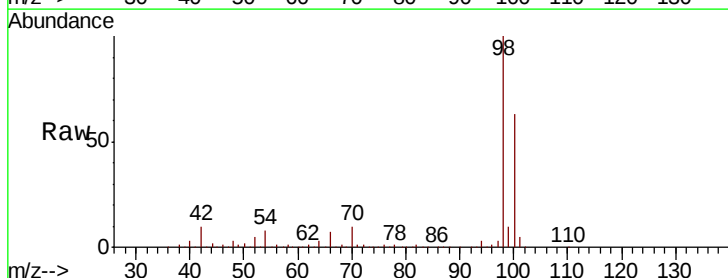
Acq: 06 Aug 2019 10:53

Tgt Ion: 98 Resp: 284823

Ion Ratio Lower Upper

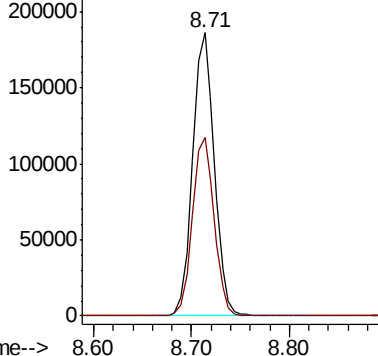
98 100

100 63.6 51.7 77.5

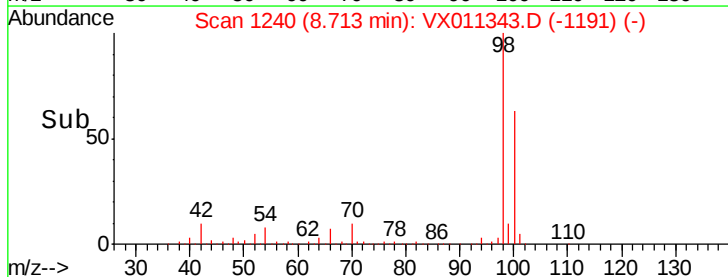


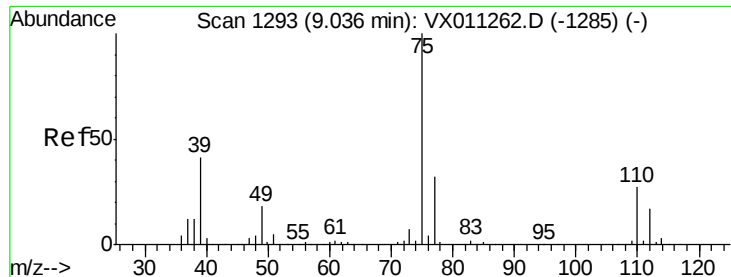
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->

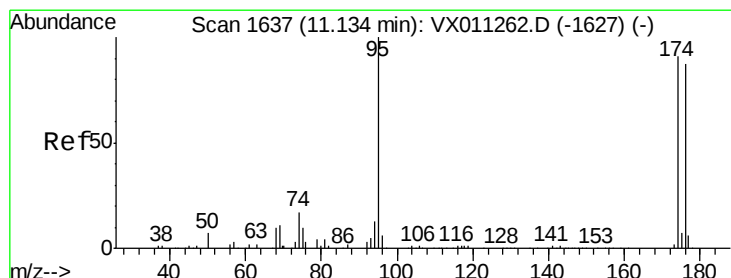
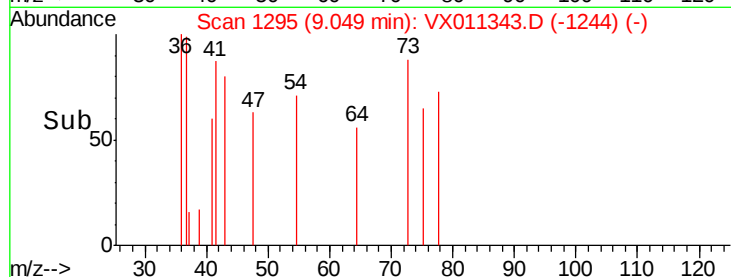
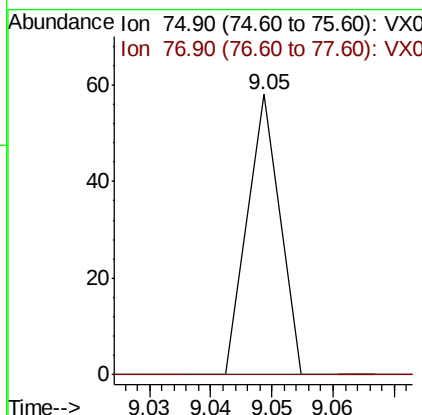
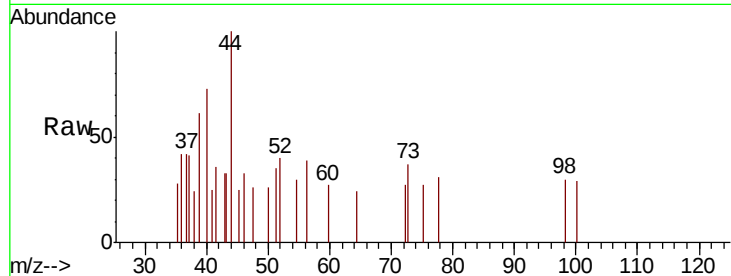




#53
t-1,3-Dichloropropene
Concen: 2.847 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX011343.D
Acq: 06 Aug 2019 10:53

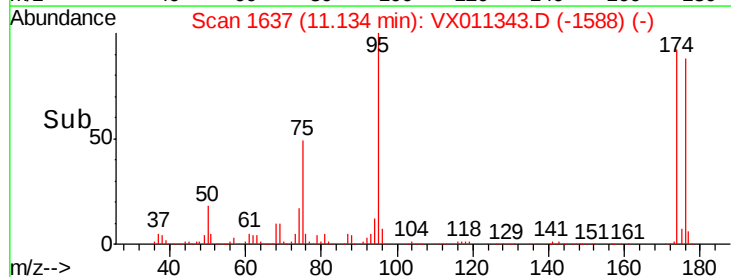
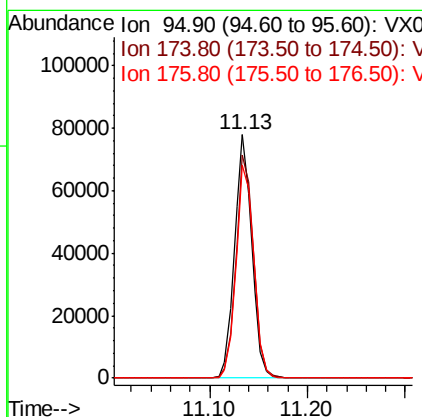
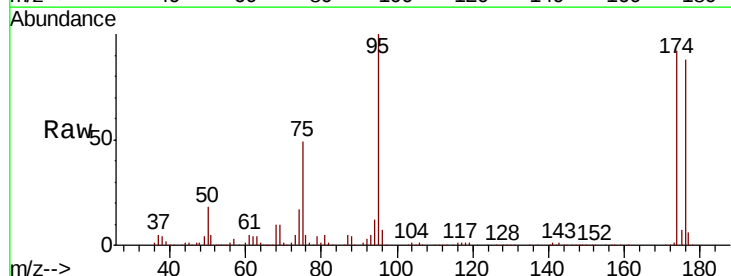
Instrument :
MSVOA_X
ClientSampleId :
VX0806WBL01

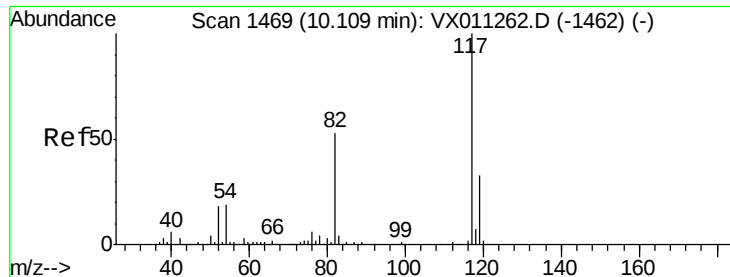
Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 46.937 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011343.D
Acq: 06 Aug 2019 10:53

Tgt Ion: 95 Resp: 95500
Ion Ratio Lower Upper
95 100
174 93.4 0.0 191.2
176 90.0 0.0 184.8

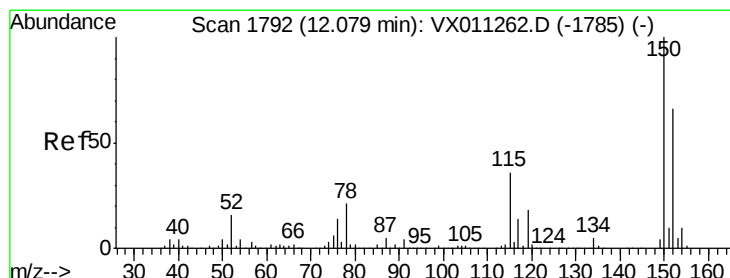
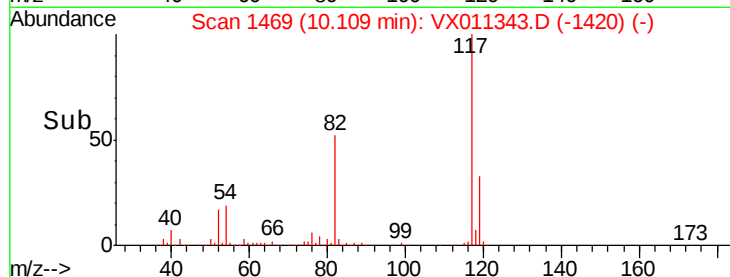
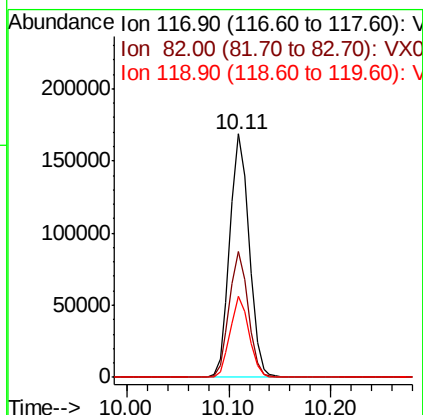
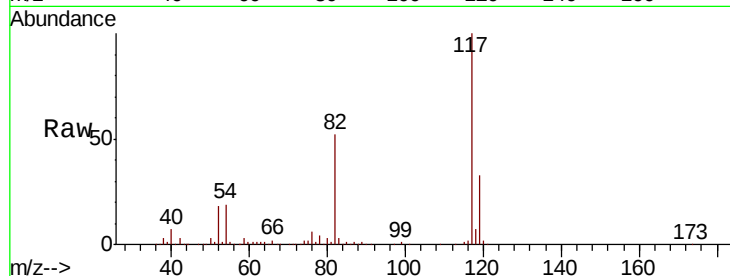




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011343.D
Acq: 06 Aug 2019 10:53

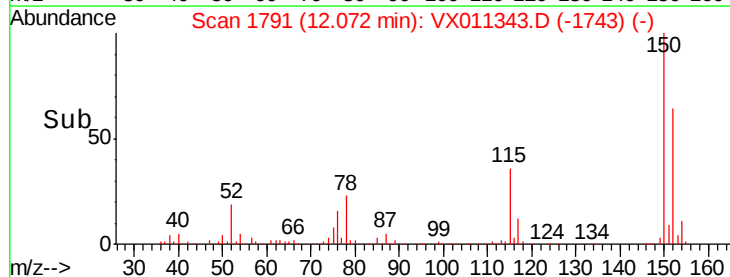
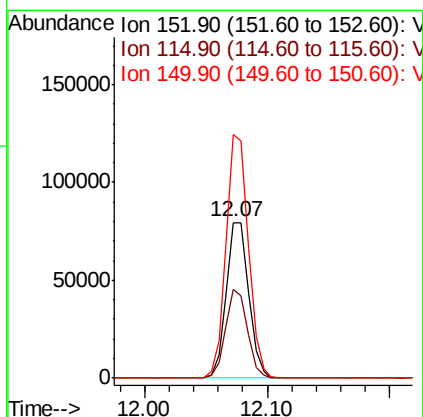
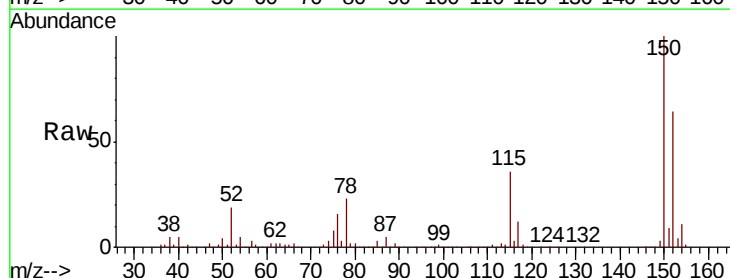
Instrument :
MSVOA_X
ClientSampled :
VX0806WBL01

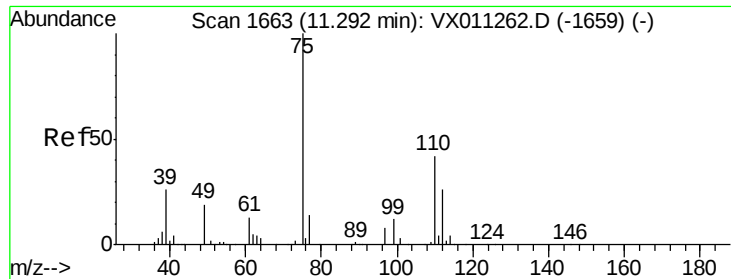
Tgt Ion:117 Resp: 221482
Ion Ratio Lower Upper
117 100
82 51.7 42.2 63.2
119 33.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011343.D
Acq: 06 Aug 2019 10:53

Tgt Ion:152 Resp: 100899
Ion Ratio Lower Upper
152 100
115 54.8 40.0 119.9
150 155.1 0.0 350.4

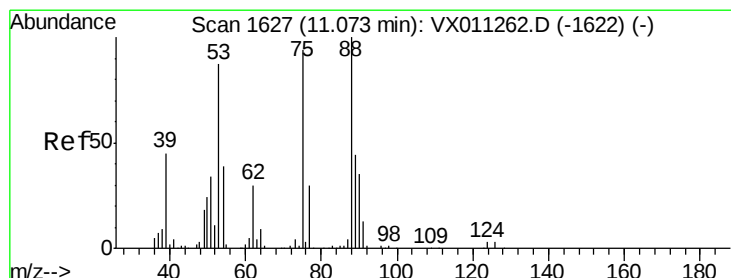
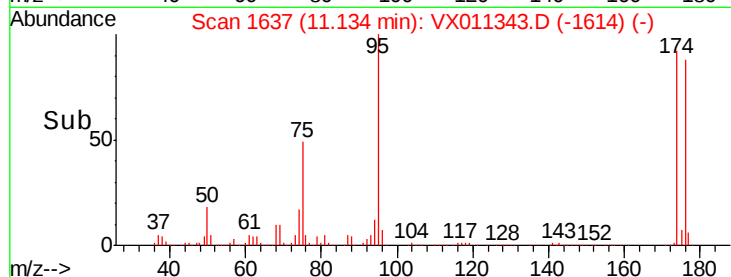
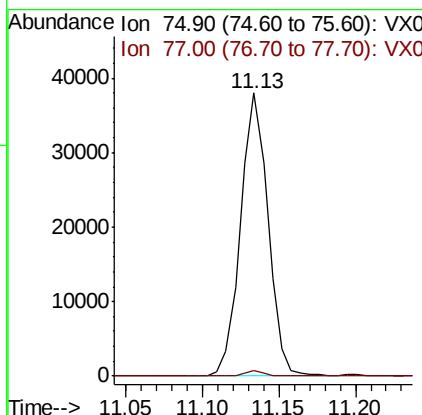
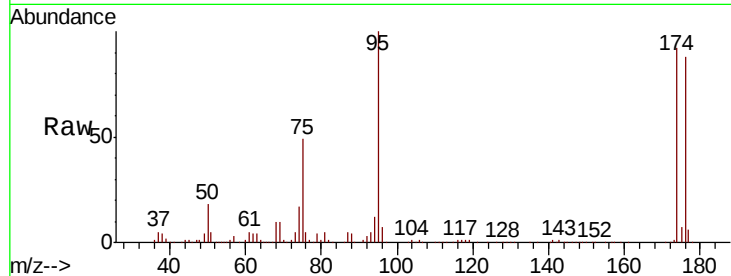




#76
 1,2,3-Trichloropropane
 Concen: 25.816 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011343.D
 Acq: 06 Aug 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806WBL01

Tgt Ion: 75 Resp: 47436
 Ion Ratio Lower Upper
 75 100
 77 1.5 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.220 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011343.D
 Acq: 06 Aug 2019 10:53

Tgt Ion: 75 Resp: 47436
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.2 117.4#
 89 0.1 37.9 56.9#

