

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012738.D
 Acq On : 01 Oct 2019 17:11
 Operator : JC/SP
 Sample : K5082-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 01:47:53 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	163905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	285705	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88864	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	116618	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
35) Dibromofluoromethane	5.49	113	85301	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	8.71	98	331440	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.14	95	110964	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	

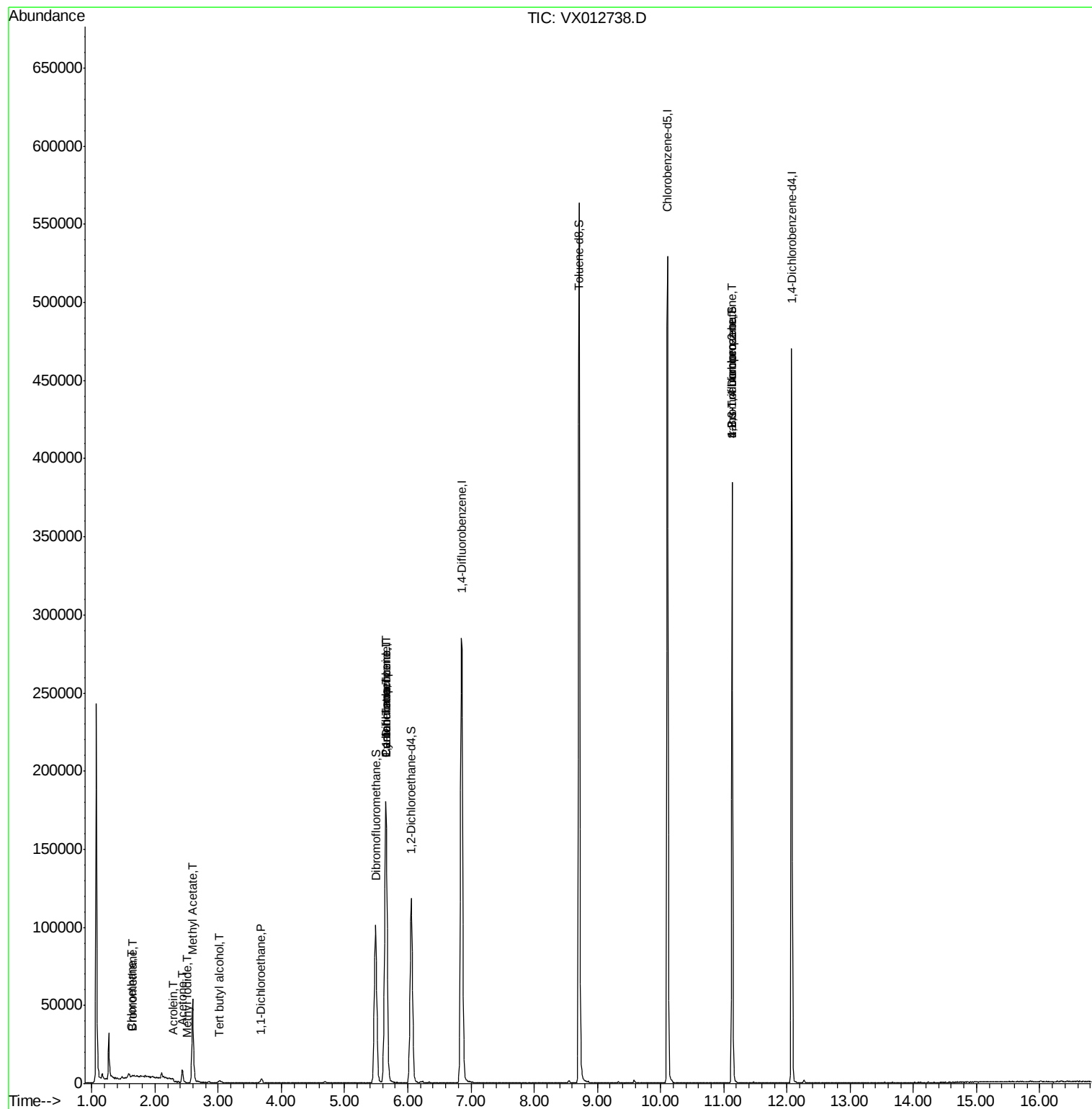
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	309	0.373	ug/l	85
6) Chloroethane	1.63	64	3025	2.132	ug/l #	62
10) Methyl Iodide	2.51	142	20	4.962	ug/l #	35
11) Tert butyl alcohol	3.02	59	1501	2.517	ug/l #	72
13) Acrolein	2.29	56	159	10.692	ug/l	98
16) Acetone	2.44	43	8957	7.085	ug/l	91
18) Methyl Acetate	2.59	43	14349	4.820	ug/l #	54
24) 1,1-Dichloroethane	3.68	63	3117	0.849	ug/l #	94
31) Cyclohexane	5.65	56	3692	1.111	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13767	4.999	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17685	6.322	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	57474	24.450	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	57474	70.068	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# 781

Delta R.T. 0.00 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

Instrument :

MSVOA_X

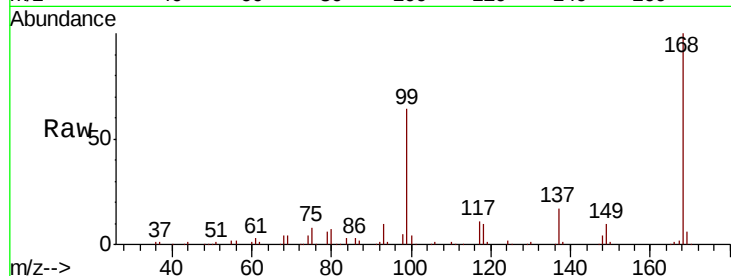
ClientSampleId :

Tot Ion:168 Resp: 163905

Ion Ratio Lower Upper

168 100

99 63.6 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

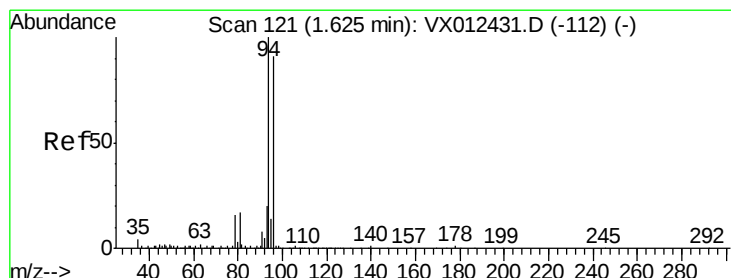
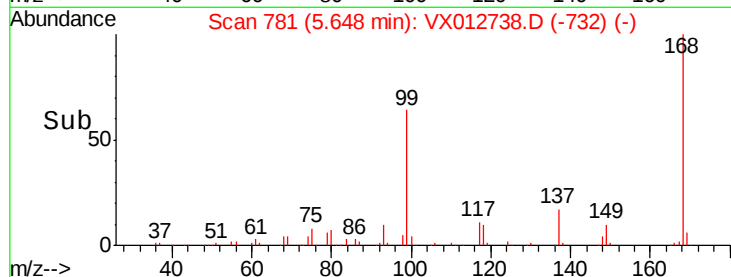
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.373 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012738.D

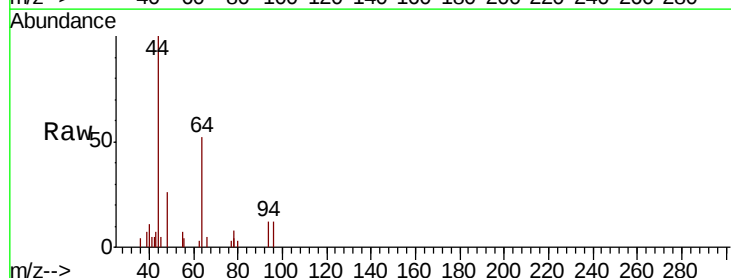
Acq: 01 Oct 2019 17:11

Tgt Ion: 94 Resp: 309

Ion Ratio Lower Upper

94 100

96 104.9 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

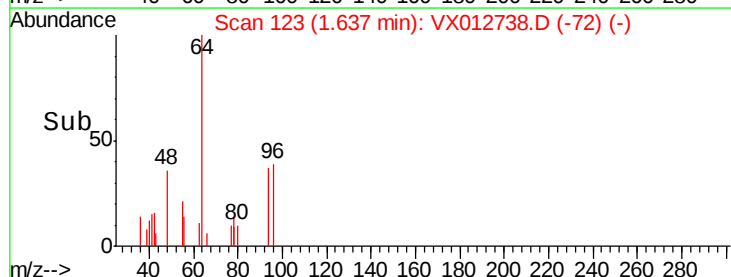
100

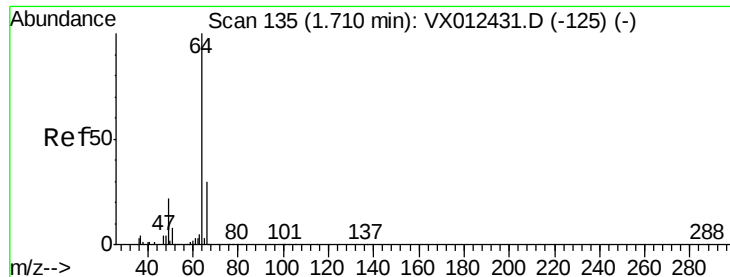
50

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 2.132 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.08 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

Instrument :

MSVOA_X

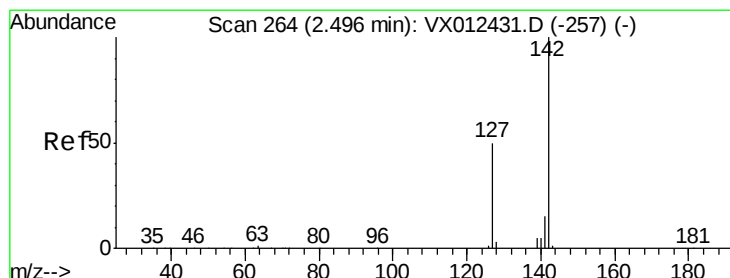
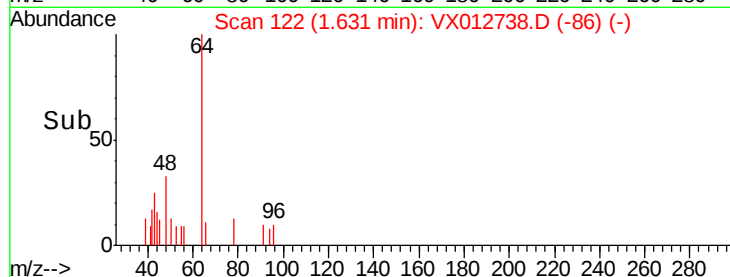
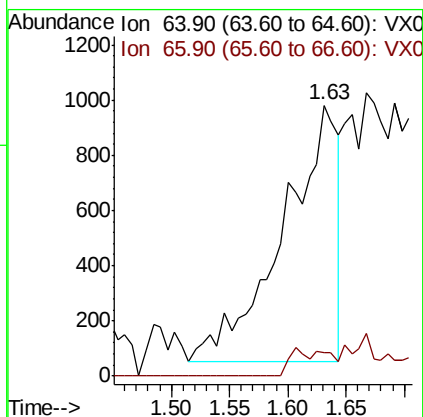
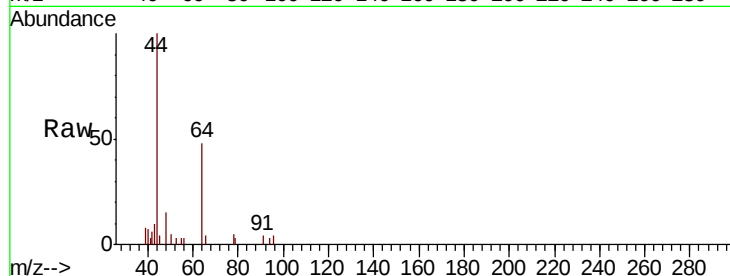
ClientSampleId :

Tot Ion: 64 Resp: 3025

Ion Ratio Lower Upper

64 100

66 9.2 24.0 36.0#



#10

Methyl Iodide

Concen: 4.962 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

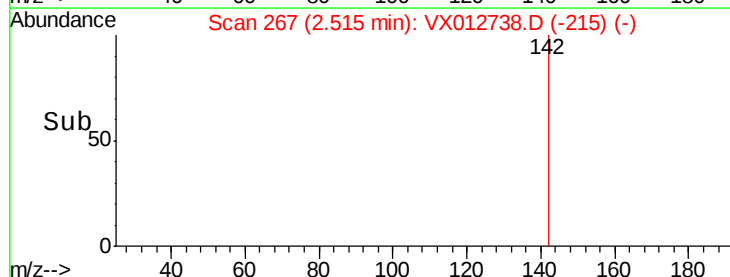
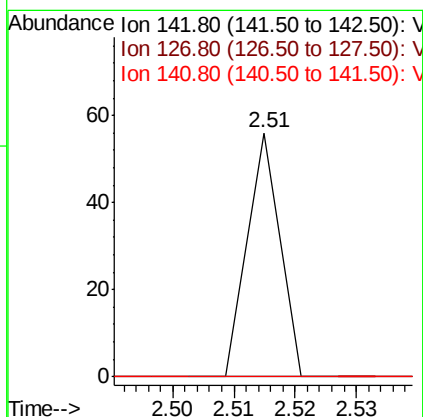
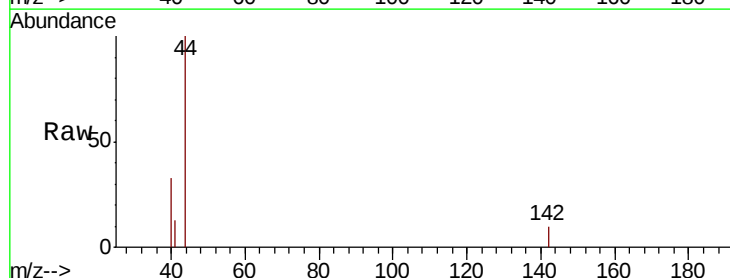
Tgt Ion: 142 Resp: 20

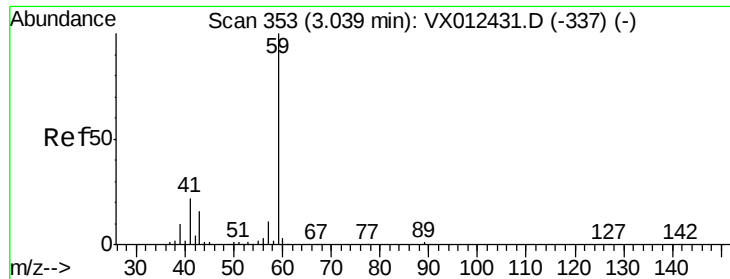
Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#

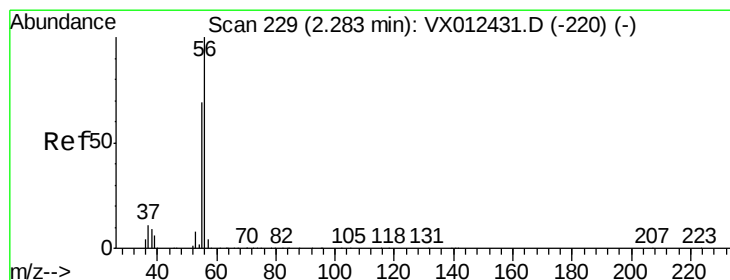
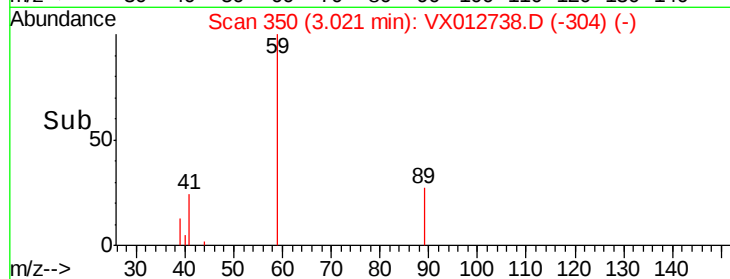
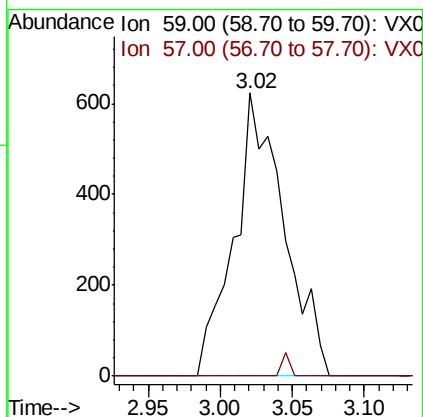
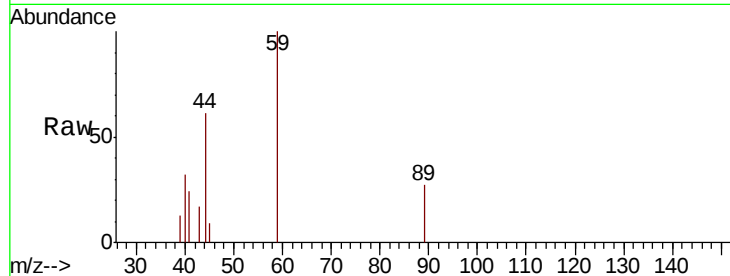




#11
Tert butyl alcohol
Concen: 2.517 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX012738.D
Acq: 01 Oct 2019 17:11

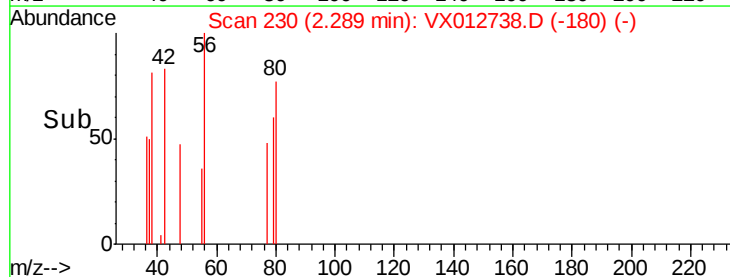
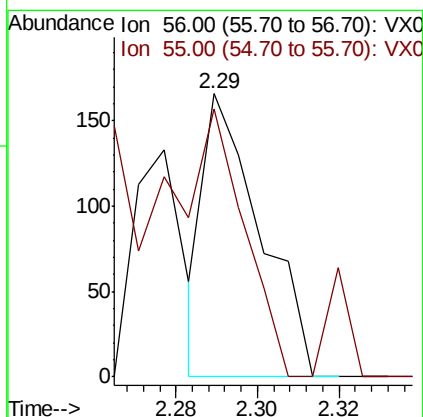
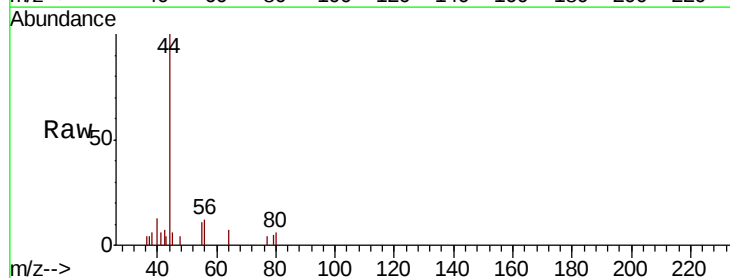
Instrument :
MSVOA_X
ClientSampled :

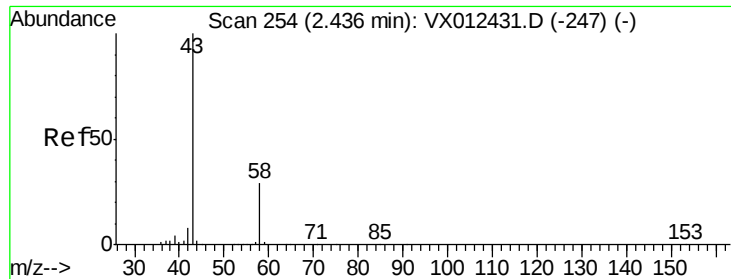
Tot Ion: 59 Resp: 1501
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 10.692 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX012738.D
Acq: 01 Oct 2019 17:11

Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 71.1 55.8 83.8





#16

Acetone

Concen: 7.085 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

Instrument :

MSVOA_X

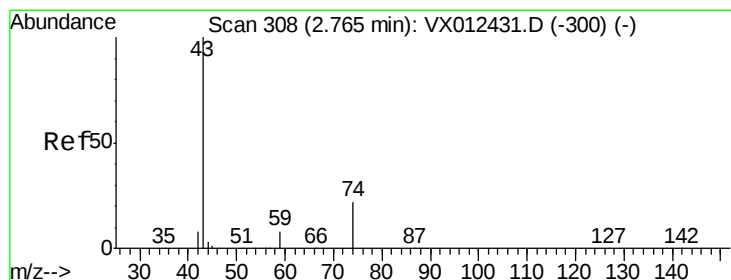
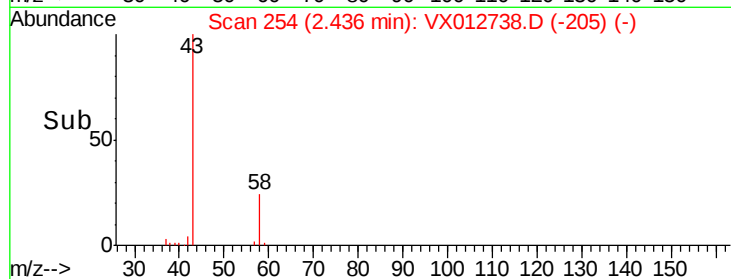
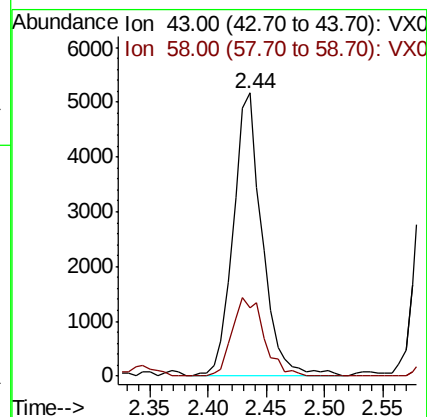
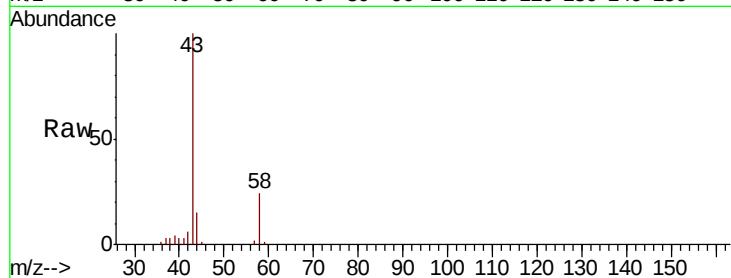
ClientSampleId :

Tot Ion: 43 Resp: 8957

Ion Ratio Lower Upper

43 100

58 24.2 23.3 34.9



#18

Methyl Acetate

Concen: 4.820 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012738.D

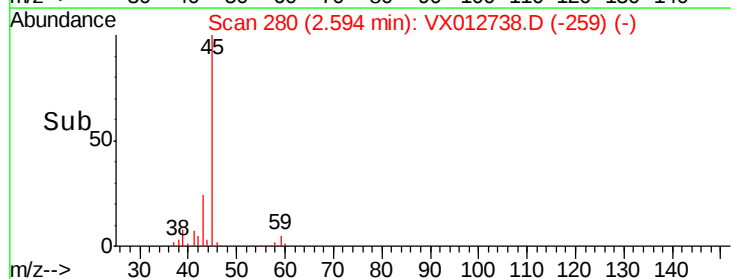
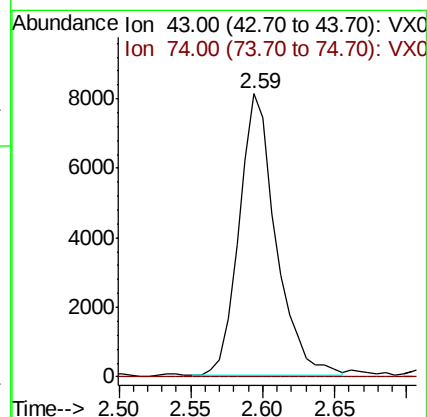
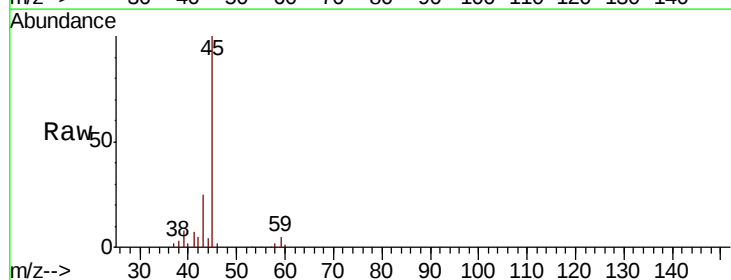
Acq: 01 Oct 2019 17:11

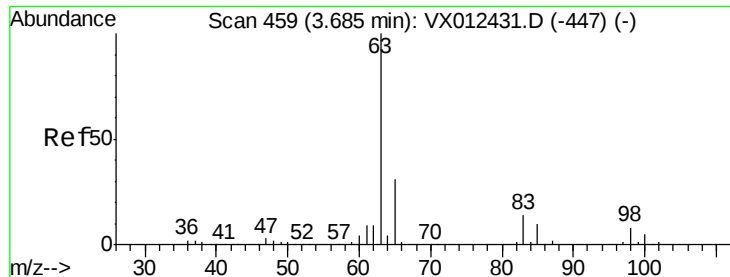
Tgt Ion: 43 Resp: 14349

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#





#24

1,1-Dichloroethane

Concen: 0.849 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012738.D

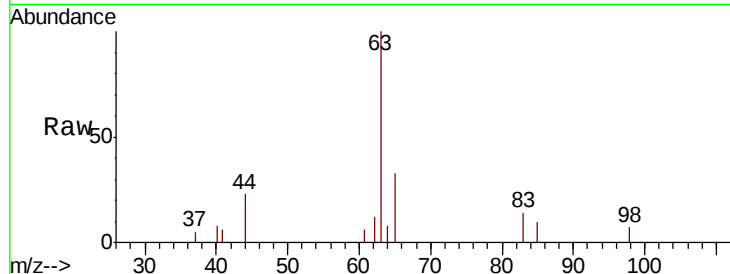
Acq: 01 Oct 2019 17:11

Instrument :

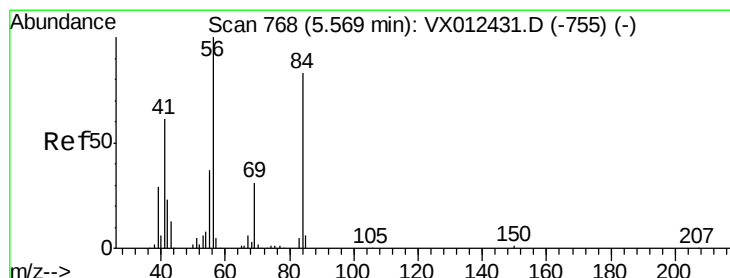
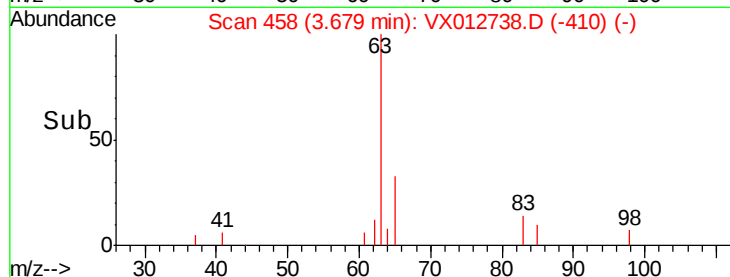
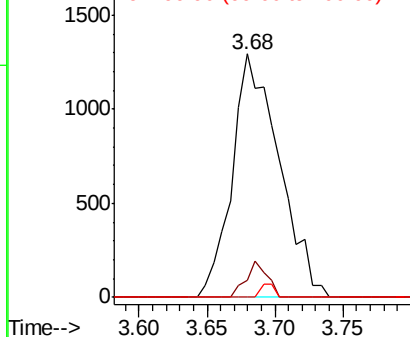
MSVOA_X

ClientSampleId :

Tot Ion:	63	Resp:	3117
Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.9	11.7
100	0.0	2.3	6.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#31

Cyclohexane

Concen: 1.111 ug/l

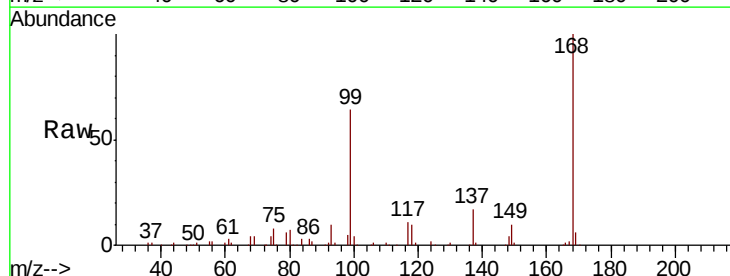
RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

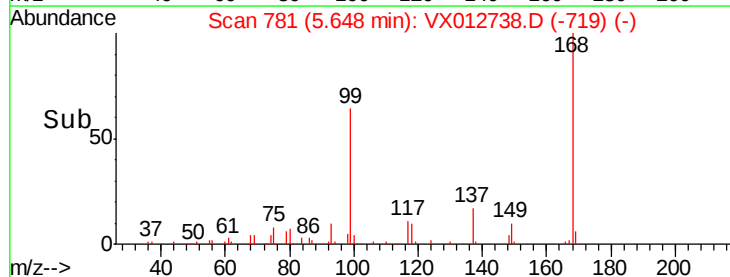
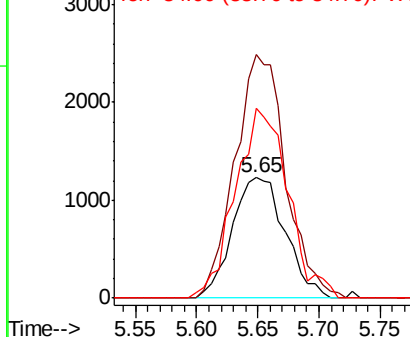
Lab File: VX012738.D

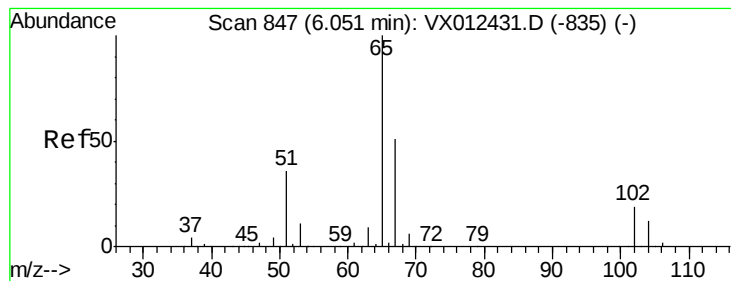
Acq: 01 Oct 2019 17:11

Tgt Ion:	56	Resp:	3692
Ion	Ratio	Lower	Upper
56	100		
69	202.6	25.0	37.6#
84	157.6	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: 48.860 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

Instrument :

MSVOA_X

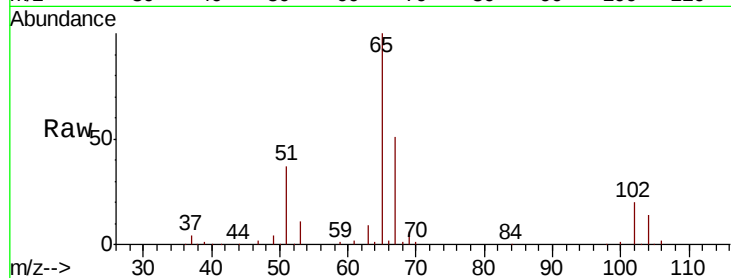
ClientSampleId :

Tot Ion: 65 Resp: 116618

Ion Ratio Lower Upper

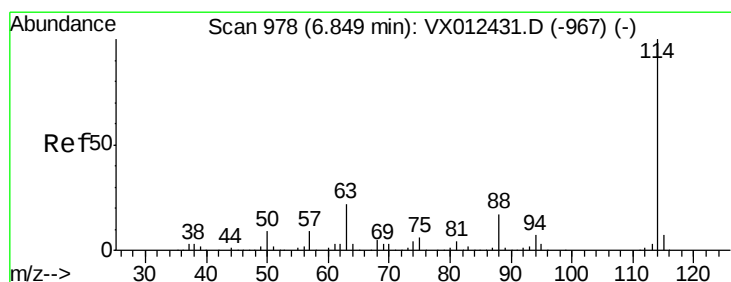
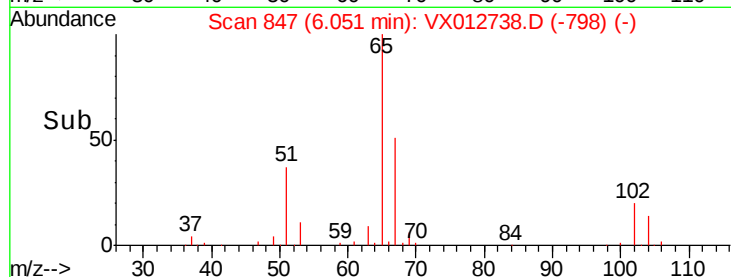
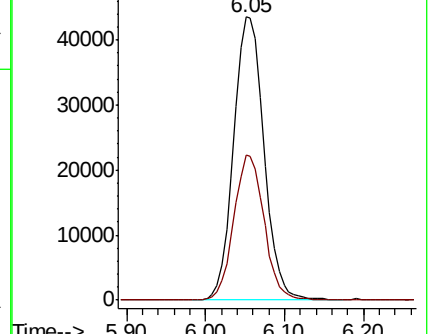
65 100

67 51.1 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

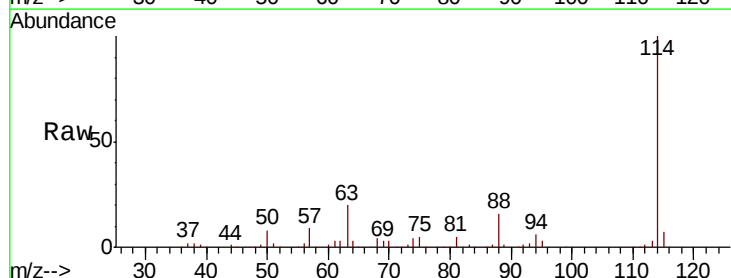
Tgt Ion: 114 Resp: 285705

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

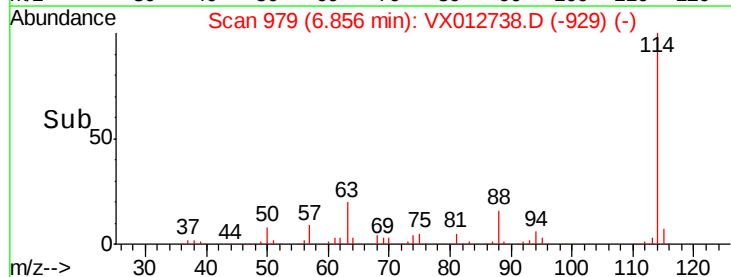
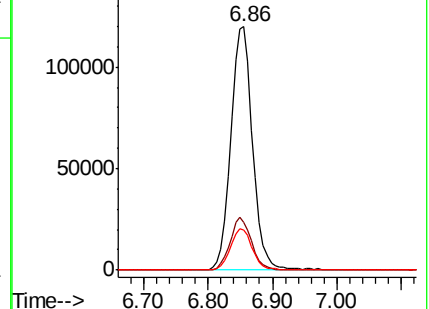
88 16.4 0.0 33.2

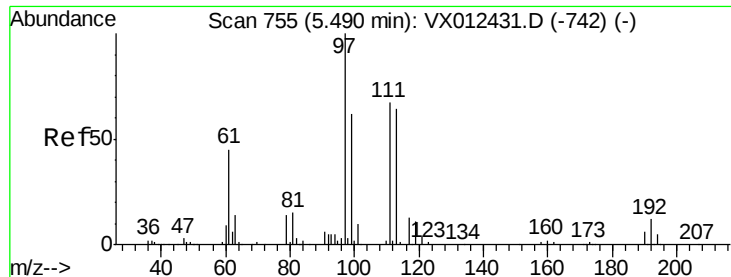


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

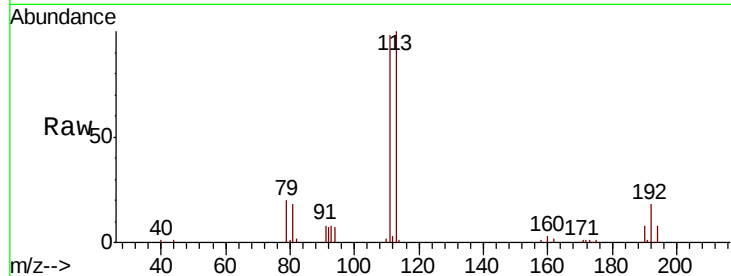




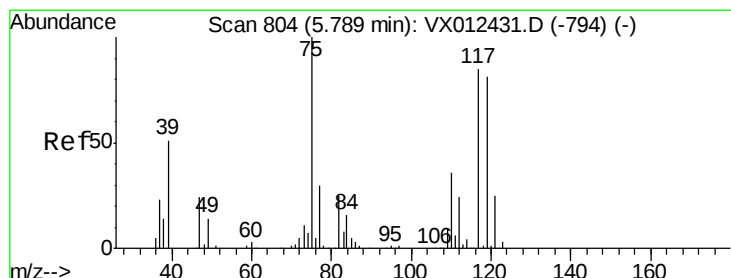
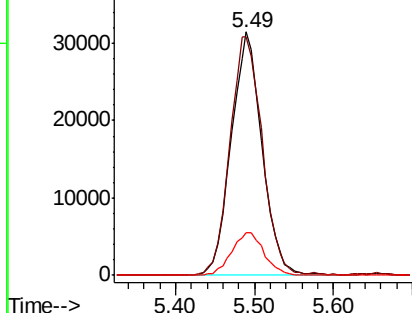
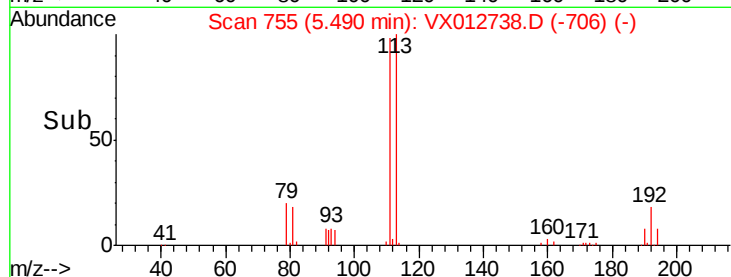
#35
 Dibromofluoromethane
 Concen: 50.133 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012738.D
 Acq: 01 Oct 2019 17:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:113 Resp: 85301
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.4 125.2
 192 18.4 14.4 21.6

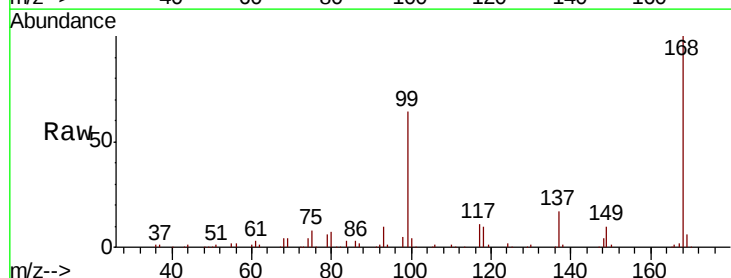


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

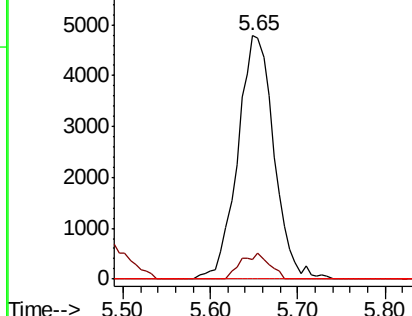
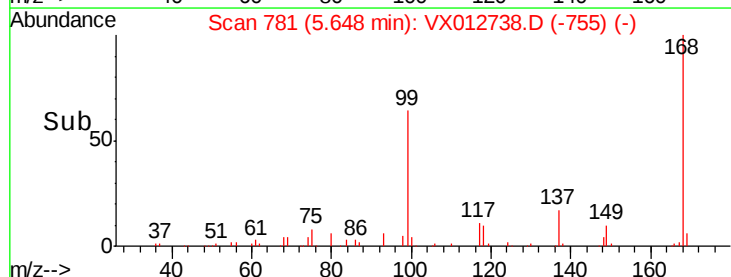


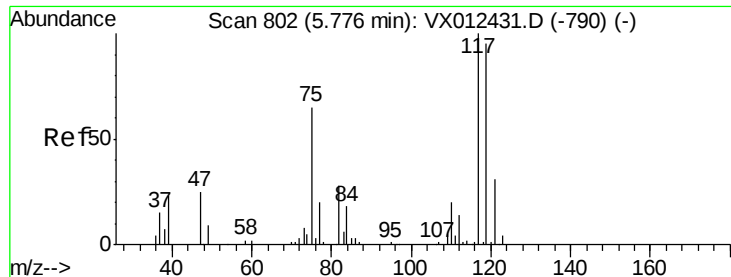
#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012738.D
 Acq: 01 Oct 2019 17:11

Tgt Ion: 75 Resp: 13767
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.7 50.0#
 77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.322 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

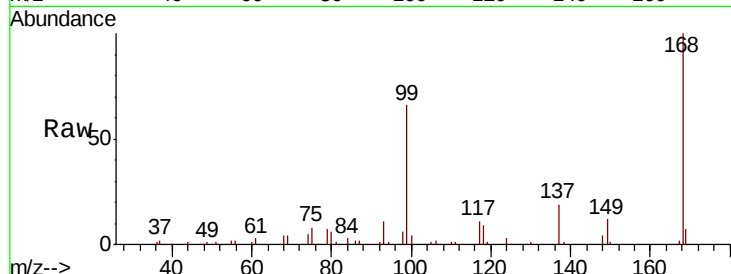
Tot Ion:117 Resp: 17685

Ion Ratio Lower Upper

117 100

119 6.0 75.7 113.5#

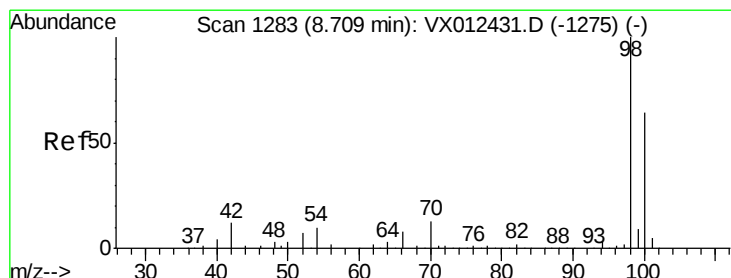
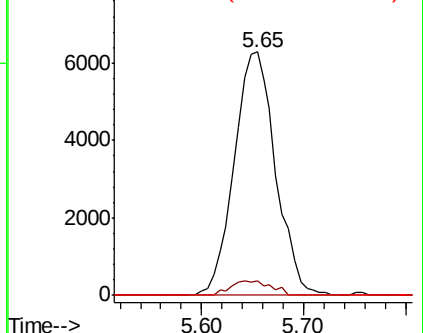
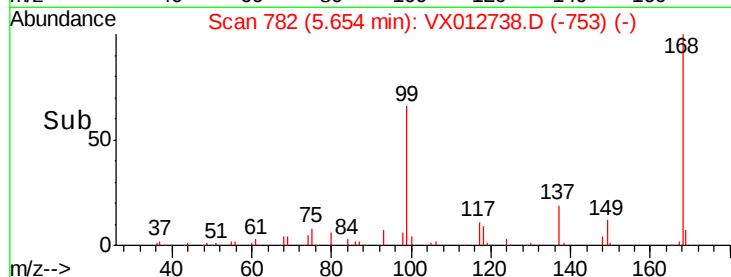
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: 50.582 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012738.D

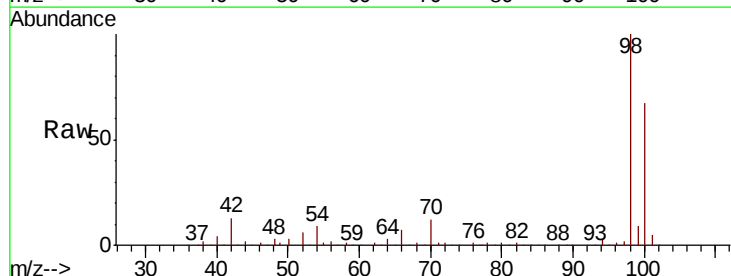
Acq: 01 Oct 2019 17:11

Tgt Ion: 98 Resp: 331440

Ion Ratio Lower Upper

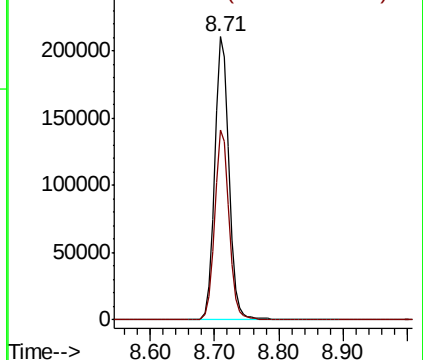
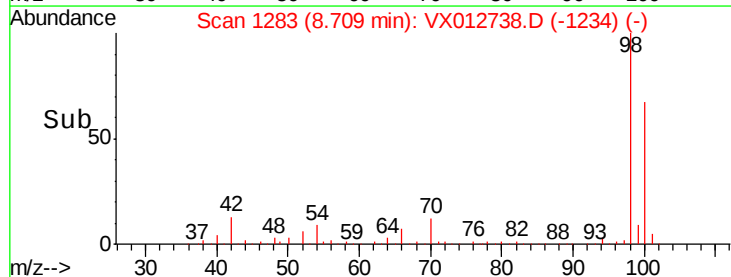
98 100

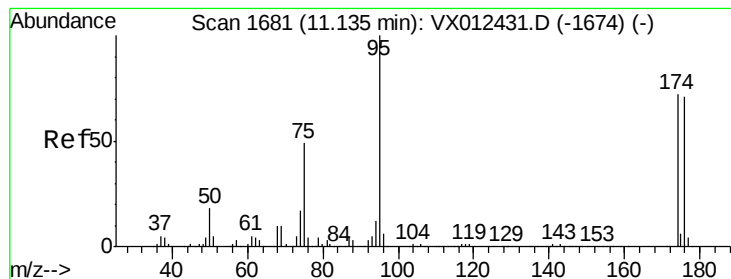
100 67.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.068 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

Instrument :

MSVOA_X

ClientSampled :

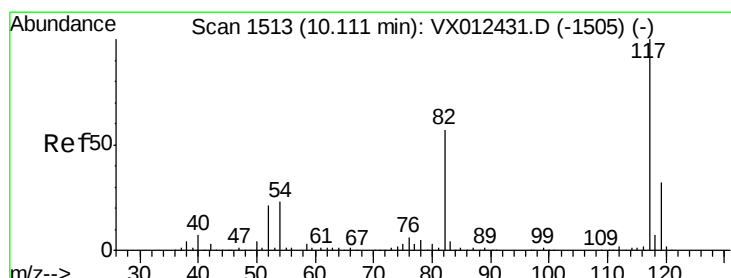
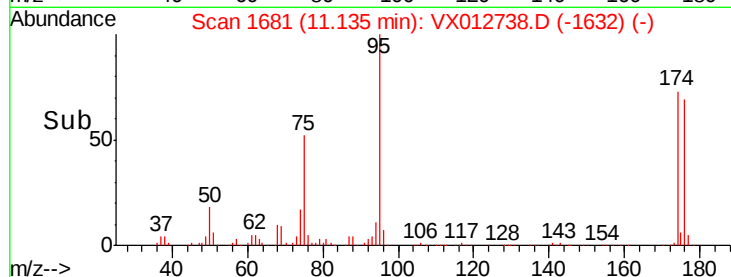
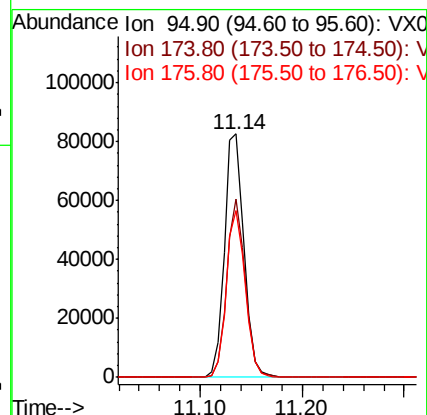
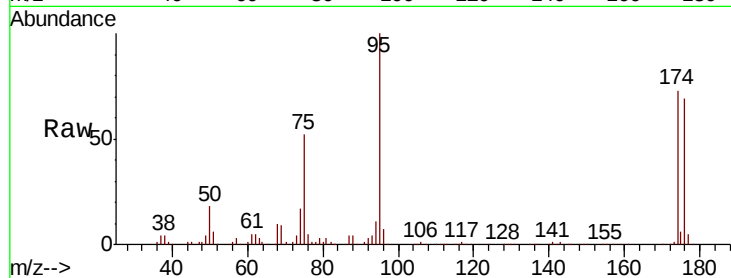
Tot Ion: 95 Resp: 110964

Ion Ratio Lower Upper

95 100

174 68.9 0.0 140.0

176 66.3 0.0 135.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

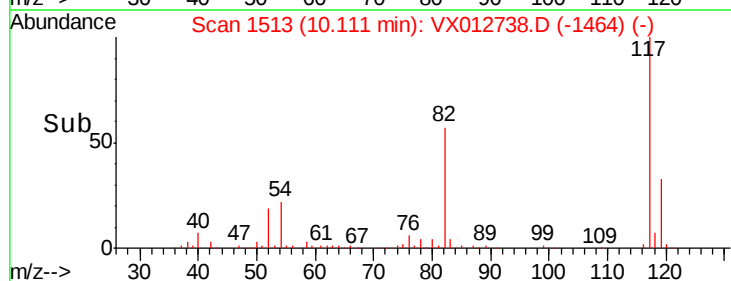
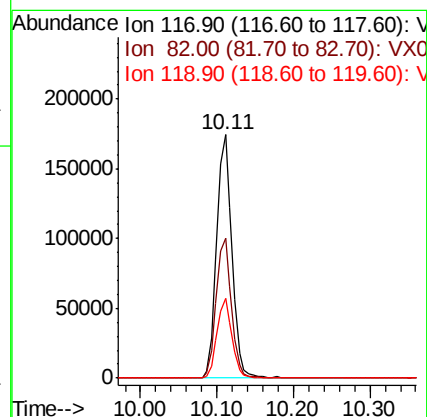
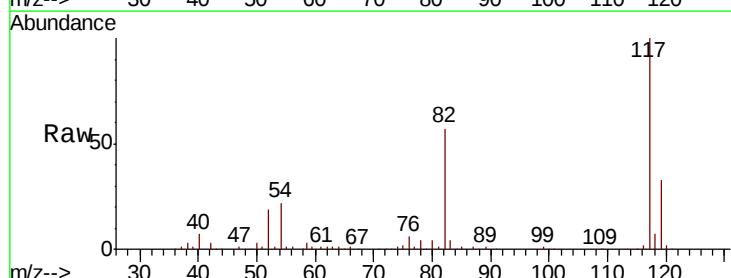
Tgt Ion: 117 Resp: 241653

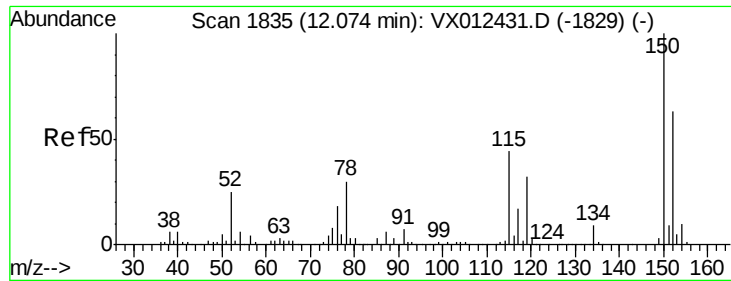
Ion Ratio Lower Upper

117 100

82 57.4 45.9 68.9

119 32.7 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

Instrument :

MSVOA_X

ClientSampled :

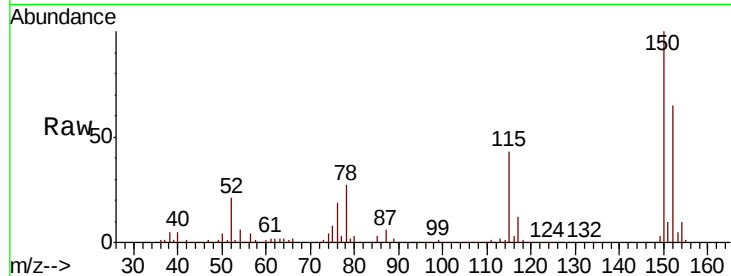
Tot Ion:152 Resp: 88864

Ion Ratio Lower Upper

152 100

115 65.0 44.1 132.3

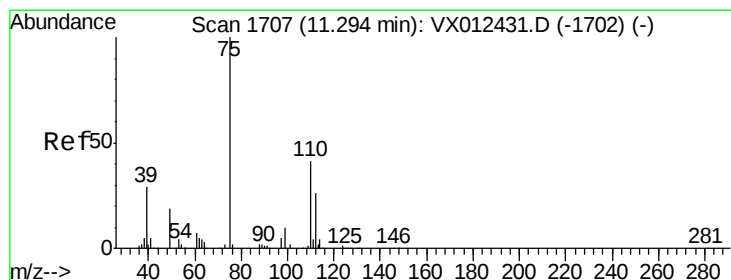
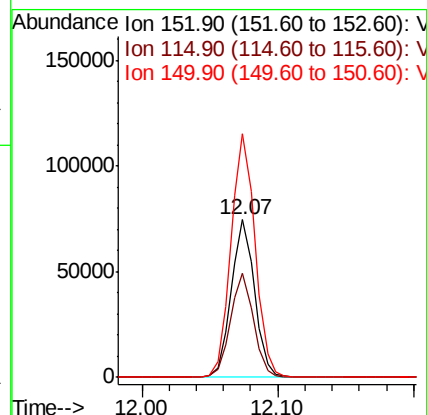
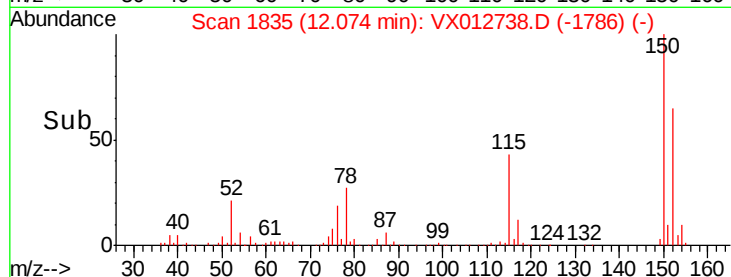
150 159.4 0.0 343.8



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: 24.450 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012738.D

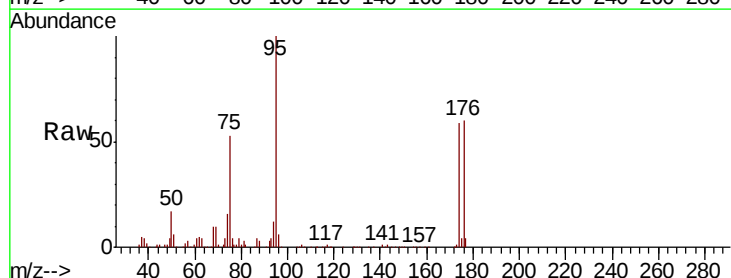
Acq: 01 Oct 2019 17:11

Tgt Ion: 75 Resp: 57474

Ion Ratio Lower Upper

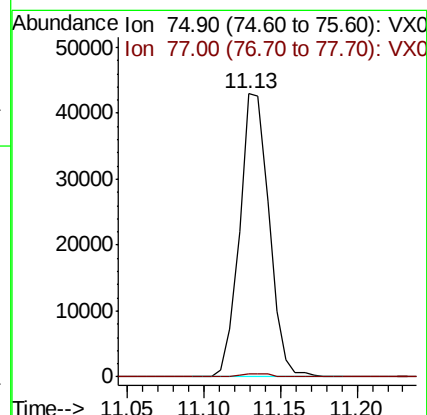
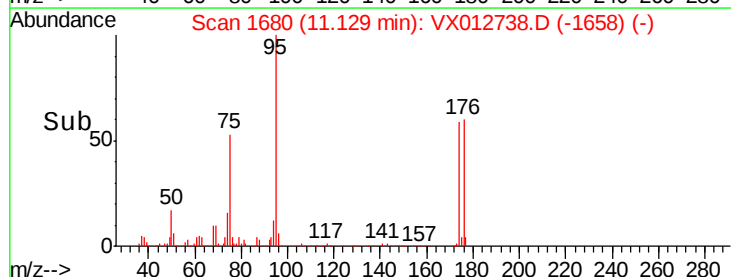
75 100

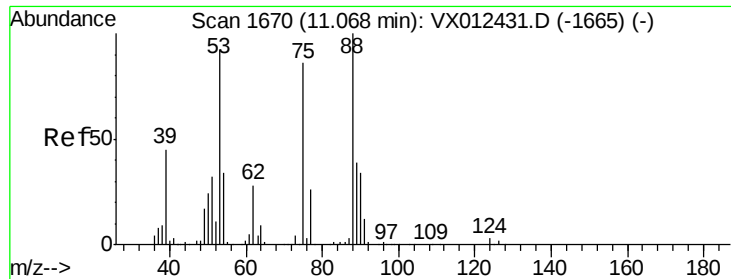
77 1.2 19.7 59.0#



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: 70.068 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012738.D

Acq: 01 Oct 2019 17:11

Instrument :

MSVOA_X

ClientSampleId :

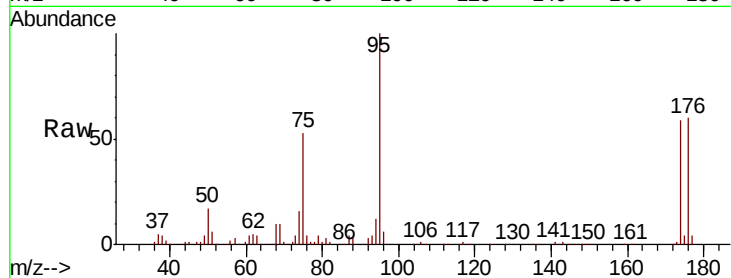
Tot Ion: 75 Resp: 57474

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

