

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008255.D
 Acq On : 20 Mar 2019 20:38
 Operator : JC/SP
 Sample : K1945-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T2-OZ(PRE)

Quant Time: Mar 22 05:35:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	330163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	539865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	450820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177117	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	231498	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
35) Dibromofluoromethane	5.50	113	173278	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
50) Toluene-d8	8.71	98	664679	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.13	95	206364	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

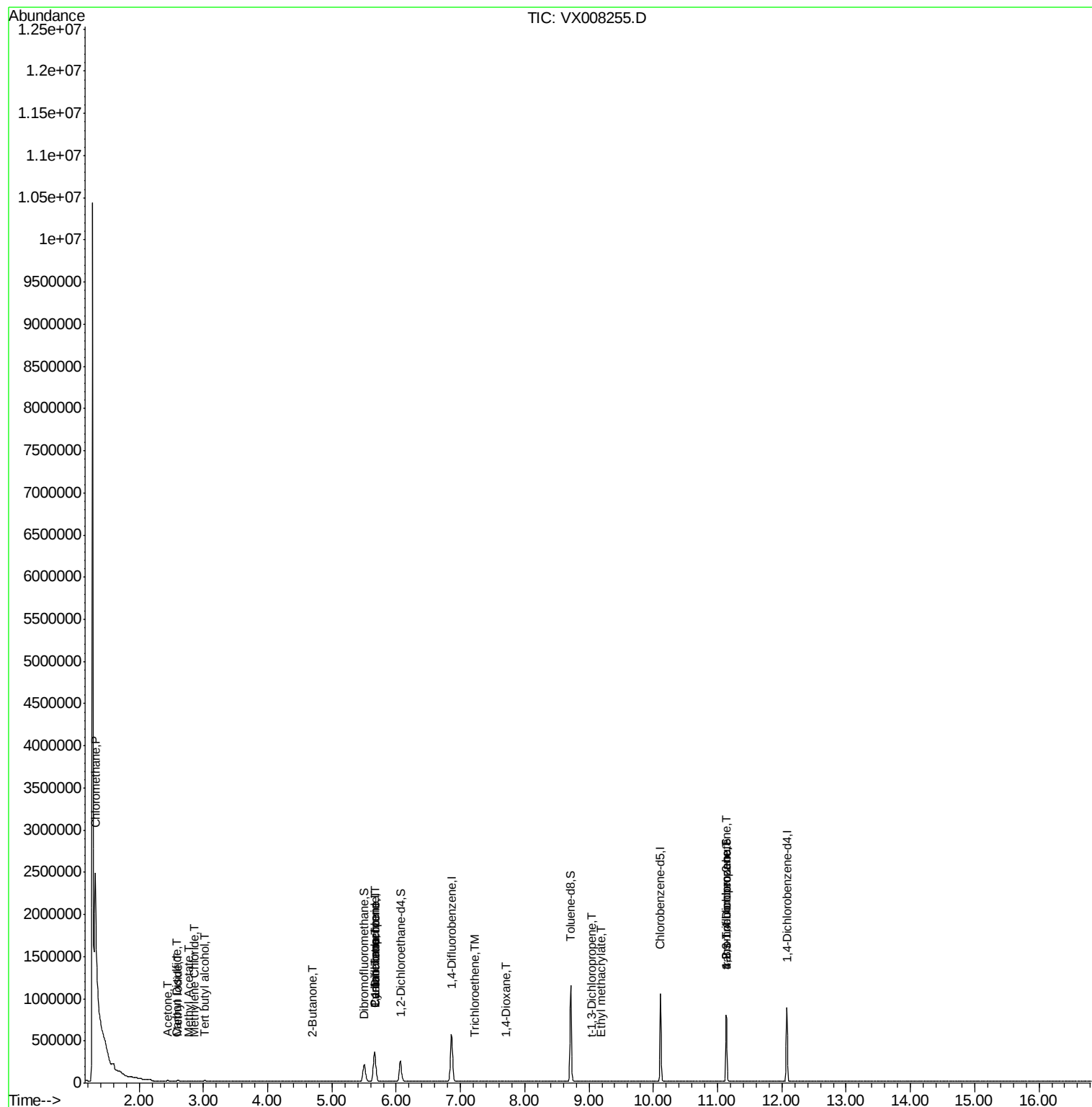
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	163354	32.523	ug/l #	42
10) Methyl Iodide	2.59	142	3065	0.567	ug/l #	50
11) Tert butyl alcohol	3.02	59	8056	7.568	ug/l #	79
13) Acrolein	2.29	56	376	Below Cal	#	74
16) Acetone	2.45	43	17393	6.167	ug/l	94
17) Carbon Disulfide	2.57	76	463	0.710	ug/l #	95
18) Methyl Acetate	2.78	43	1660	0.254	ug/l #	79
20) Methylene Chloride	2.87	84	1241	0.264	ug/l #	71
25) 2-Butanone	4.70	43	1958	0.470	ug/l	99
31) Cyclohexane	5.66	56	7252	0.879	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	27325	4.347	ug/l #	50
38) Carbon Tetrachloride	5.67	117	32464	5.797	ug/l #	18
44) Trichloroethene	7.21	130	1152	0.253	ug/l	96
49) 1,4-Dioxane	7.71	88	94	0.841	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	26	1.426	ug/l #	1
56) Ethyl methacrylate	9.18	69	276	0.561	ug/l #	36
76) 1,2,3-Trichloropropane	11.13	75	107907	21.661	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	107907	55.070	ug/l #	12

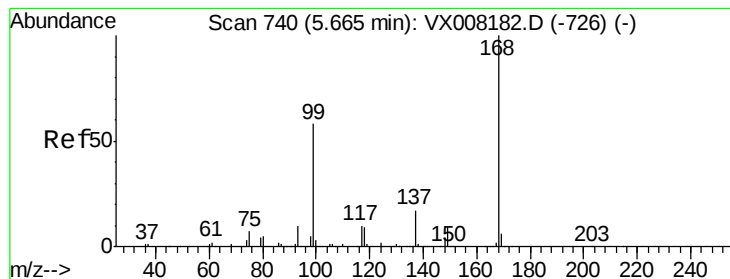
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032019\
Data File : VX008255.D
Acq On : 20 Mar 2019 20:38
Operator : JC/SP
Sample : K1945-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
M4-T2-OZ(PRE)

Quant Time: Mar 22 05:35:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

Instrument :

MSVOA_X

ClientSampleId :

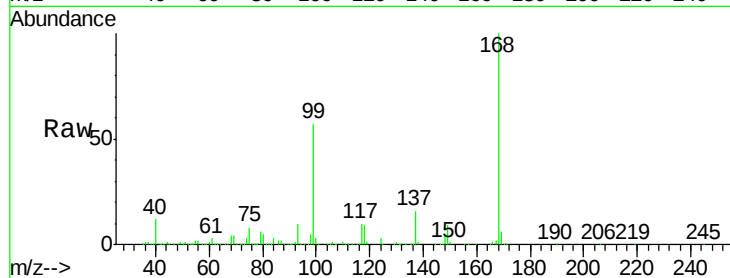
M4-T2-OZ(PRE)

Tot Ion:168 Resp: 330163

Ion Ratio Lower Upper

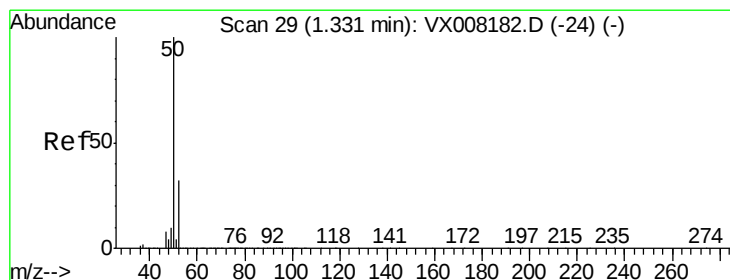
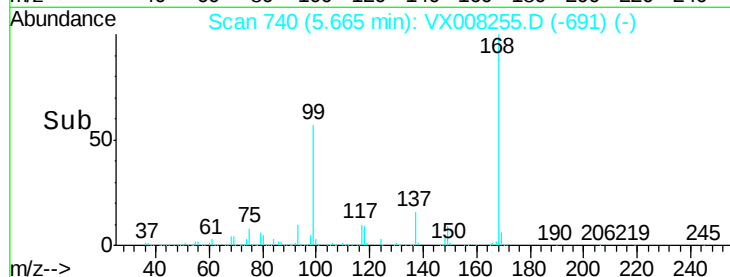
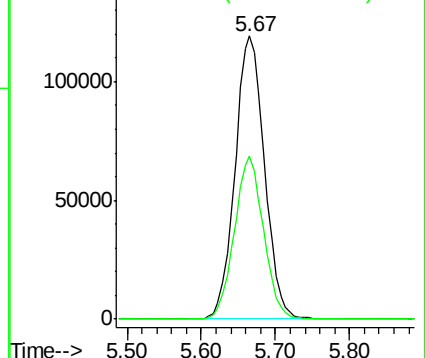
168 100

99 57.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 32.523 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.02 min

Lab File: VX008255.D

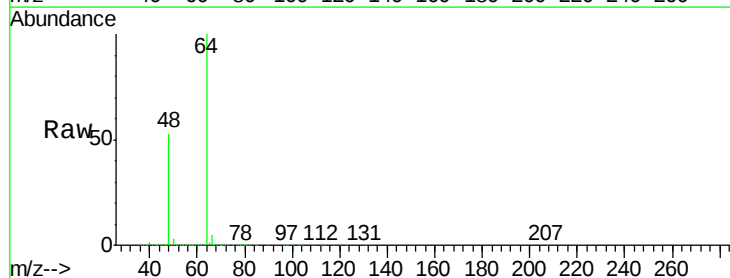
Acq: 20 Mar 2019 20:38

Tgt Ion: 50 Resp: 163354

Ion Ratio Lower Upper

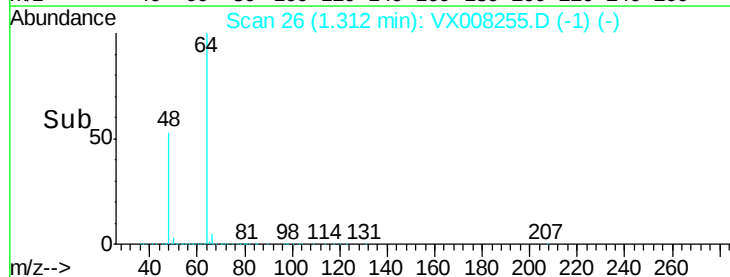
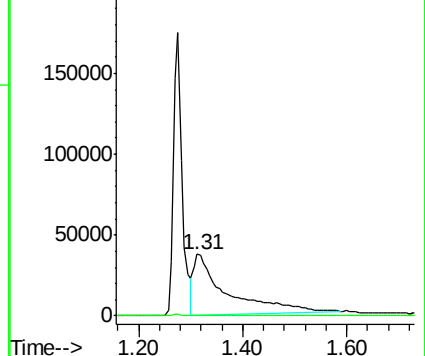
50 100

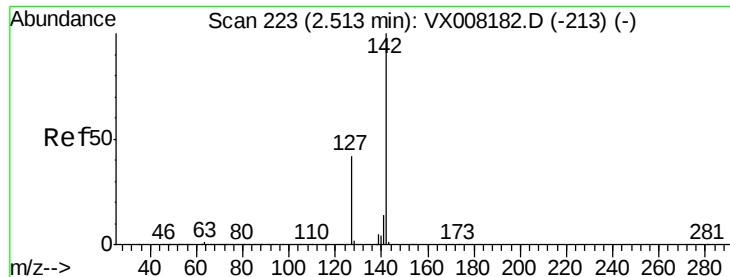
52 0.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

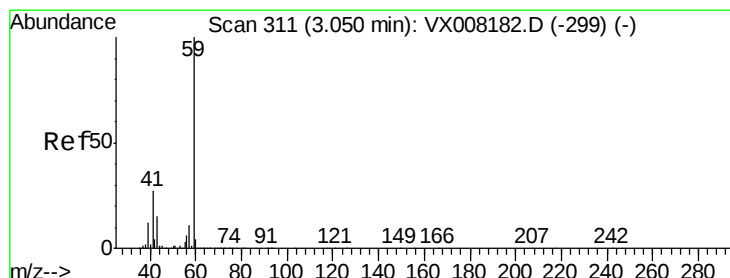
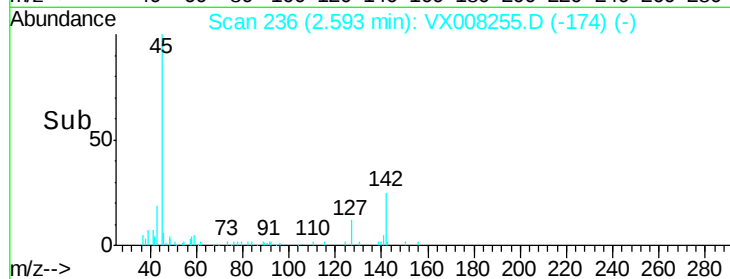
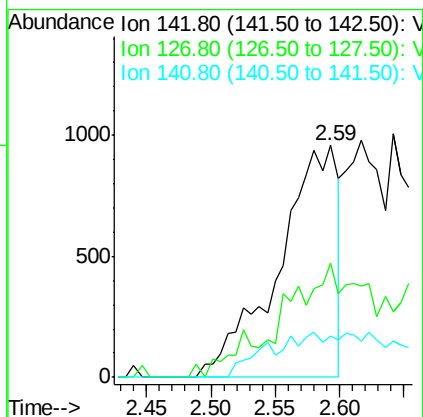
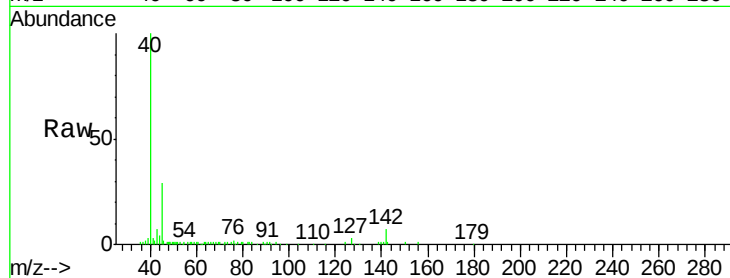




#10
Methvl Iodide
Concen: 0.567 ug/l
RT: 2.59 min Scan# 236
Delta R.T. 0.08 min
Lab File: VX008255.D
Acq: 20 Mar 2019 20:38

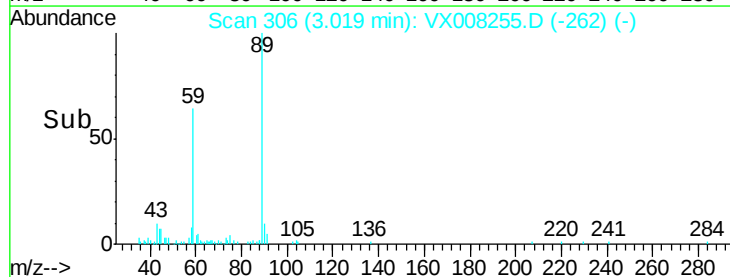
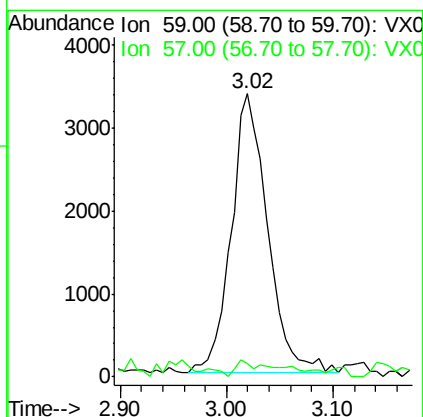
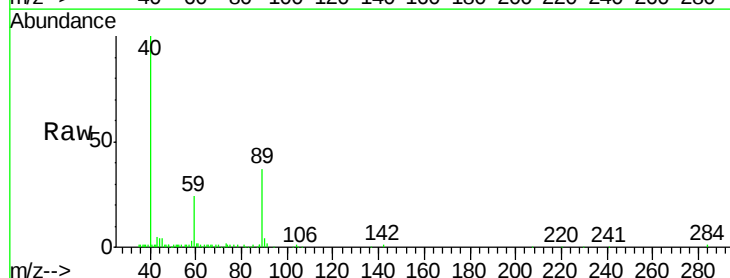
Instrument :
MSVOA_X
ClientSampleId :
M4-T2-OZ(PRE)

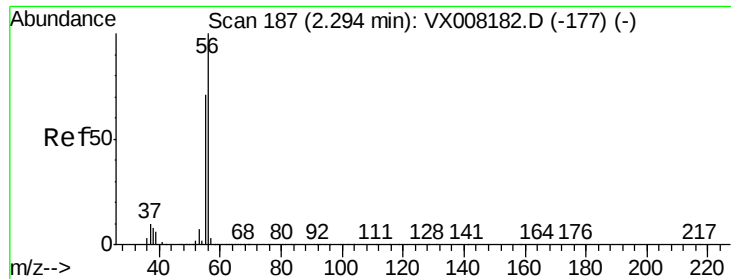
Tot Ion:142 Resp: 3065
Ion Ratio Lower Upper
142 100
127 5.6 32.1 48.1#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 7.568 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX008255.D
Acq: 20 Mar 2019 20:38

Tgt Ion: 59 Resp: 8056
Ion Ratio Lower Upper
59 100
57 2.5 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

Instrument :

MSVOA_X

ClientSampleId :

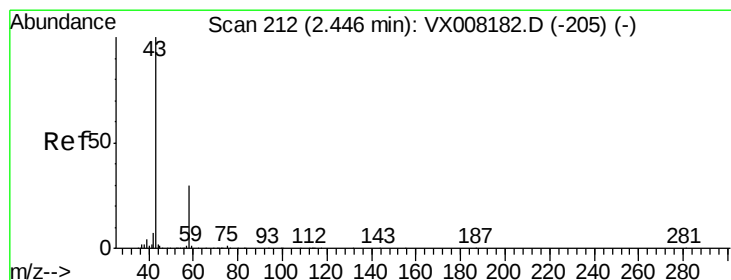
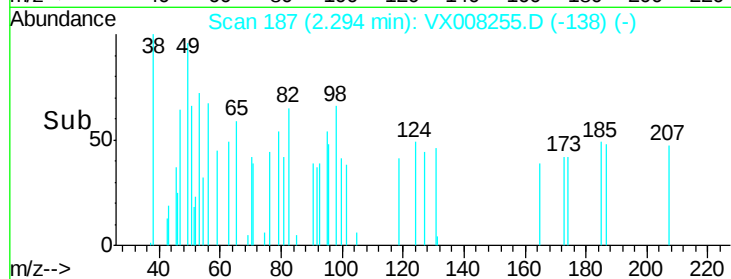
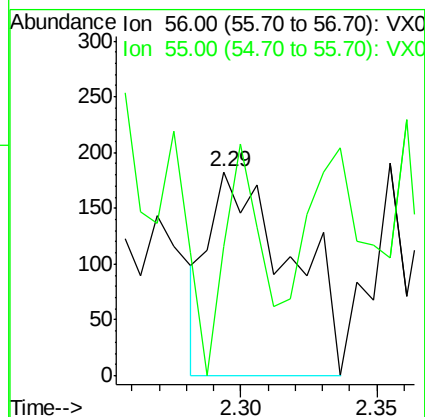
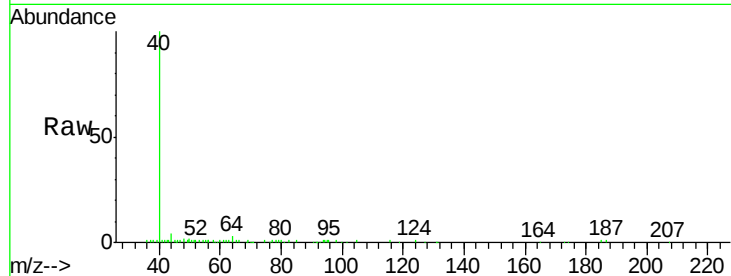
M4-T2-OZ(PRE)

Tot Ion: 56 Resp: 376

Ion Ratio Lower Upper

56 100

55 50.5 57.8 86.6#



#16

Acetone

Concen: 6.167 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008255.D

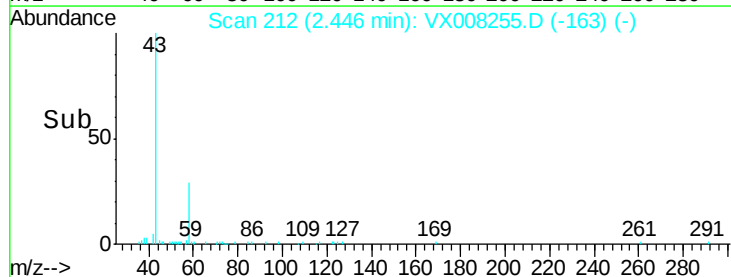
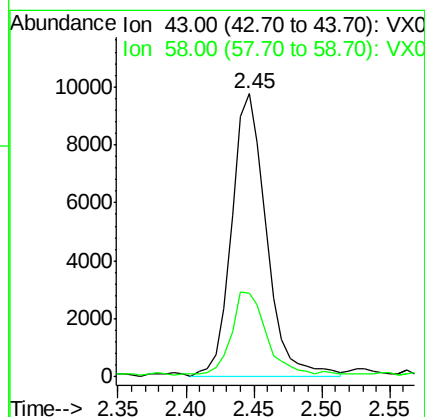
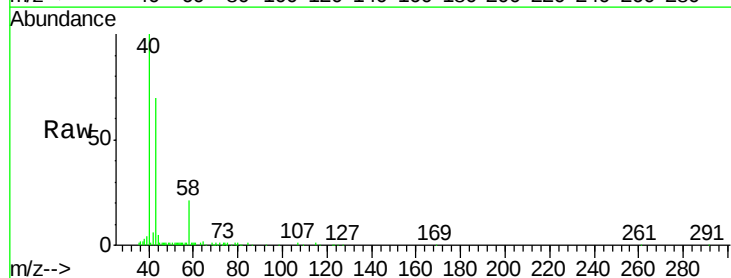
Acq: 20 Mar 2019 20:38

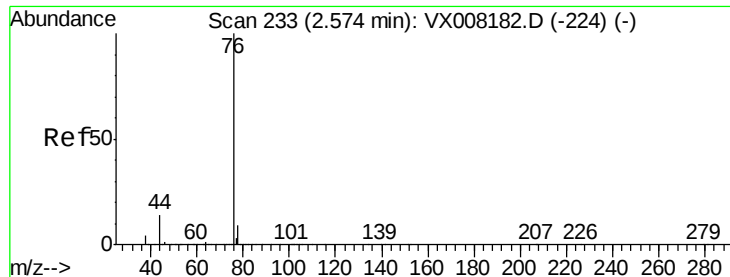
Tgt Ion: 43 Resp: 17393

Ion Ratio Lower Upper

43 100

58 28.7 25.5 38.3





#17

Carbon Disulfide

Concen: 0.710 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

Instrument :

MSVOA_X

ClientSampleId :

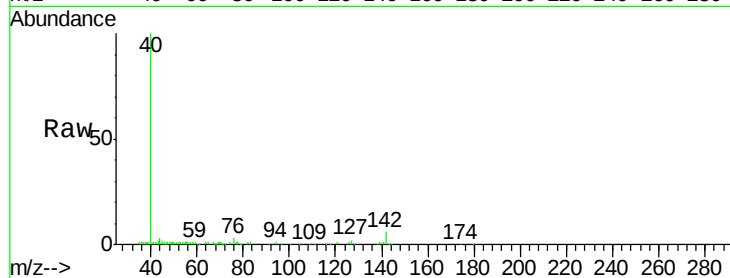
M4-T2-OZ(PRE)

Tot Ion: 76 Resp: 463

Ion Ratio Lower Upper

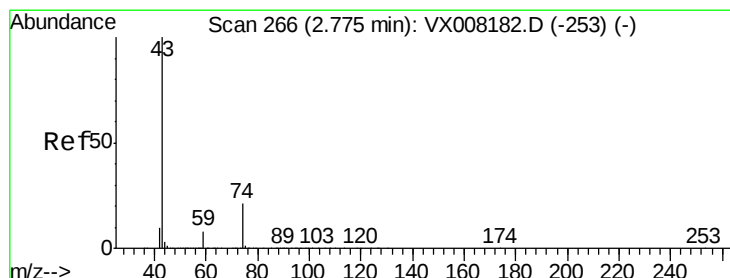
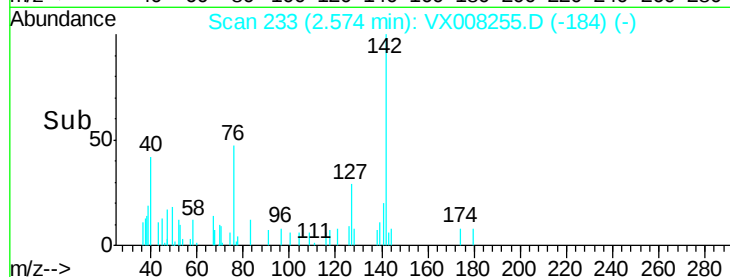
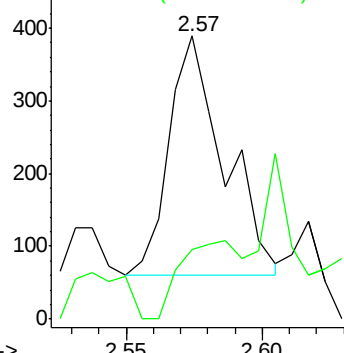
76 100

78 10.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.254 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008255.D

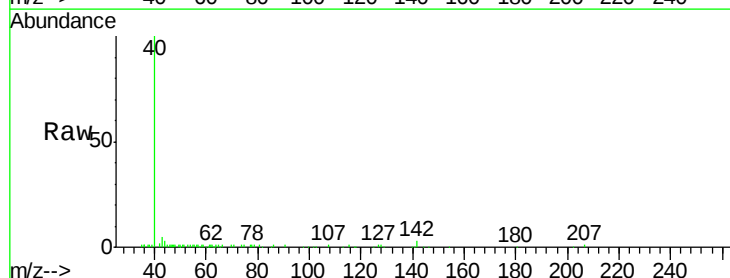
Acq: 20 Mar 2019 20:38

Tgt Ion: 43 Resp: 1660

Ion Ratio Lower Upper

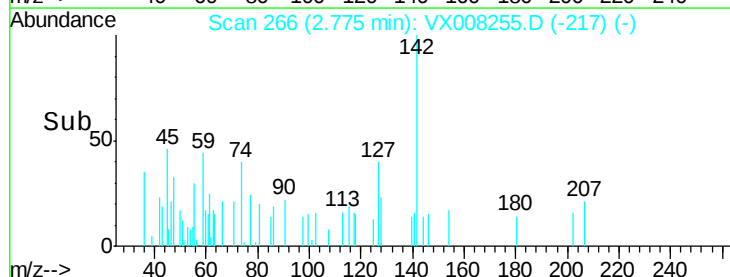
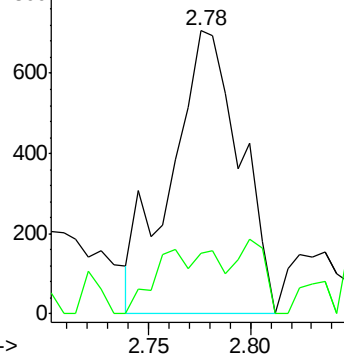
43 100

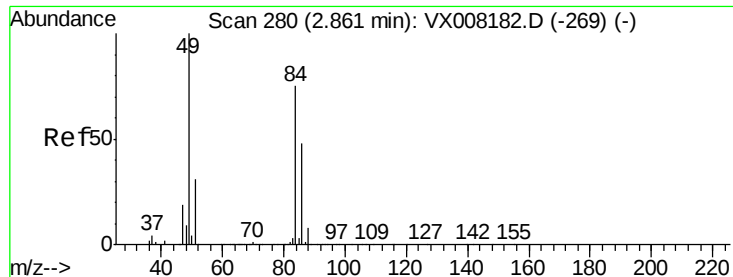
74 11.9 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 0.264 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

Instrument :

MSVOA_X

ClientSampleId :

M4-T2-OZ(PRE)

Tot Ion: 84 Resp: 1241

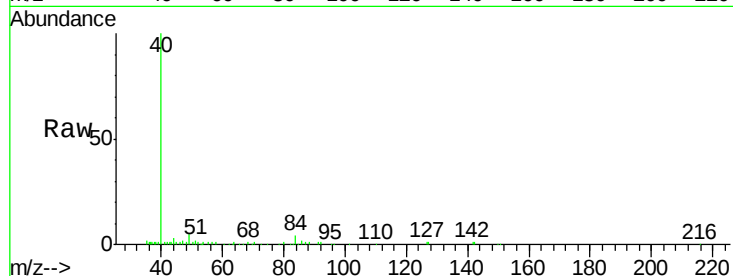
Ion Ratio Lower Upper

84 100

49 91.5 99.3 148.9#

51 18.6 31.3 46.9#

86 44.2 52.6 79.0#

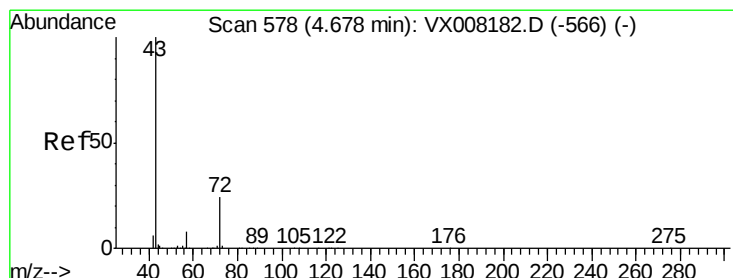
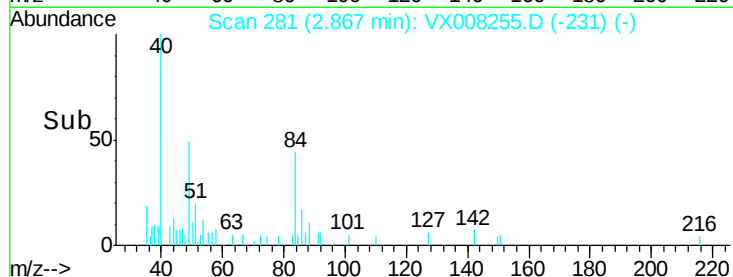
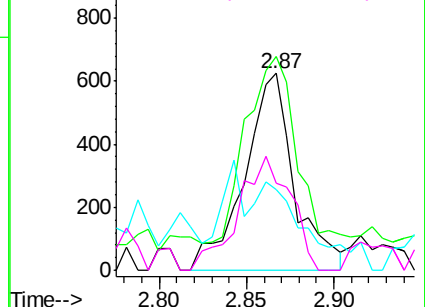


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.470 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX008255.D

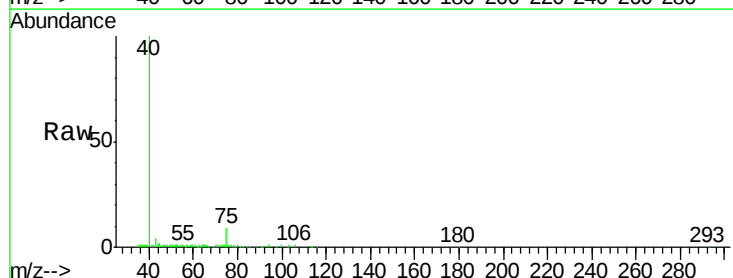
Acq: 20 Mar 2019 20:38

Tgt Ion: 43 Resp: 1958

Ion Ratio Lower Upper

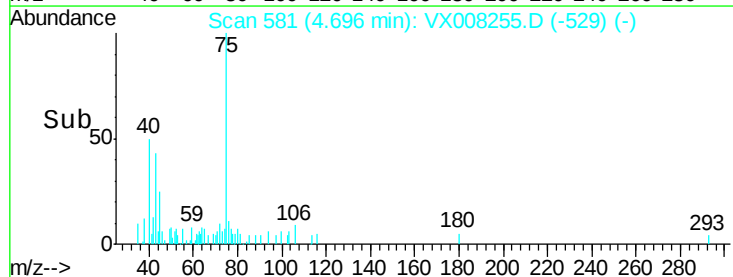
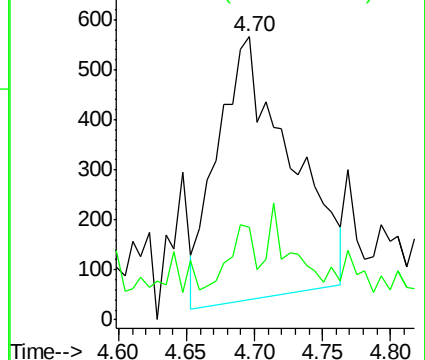
43 100

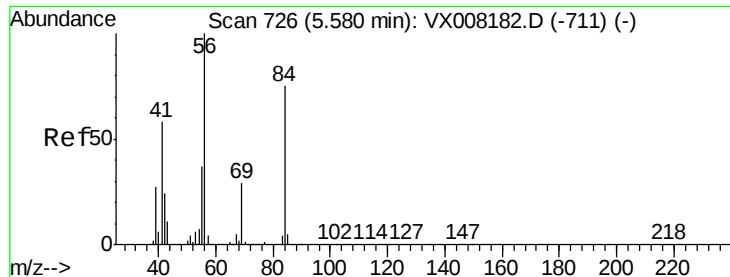
72 24.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

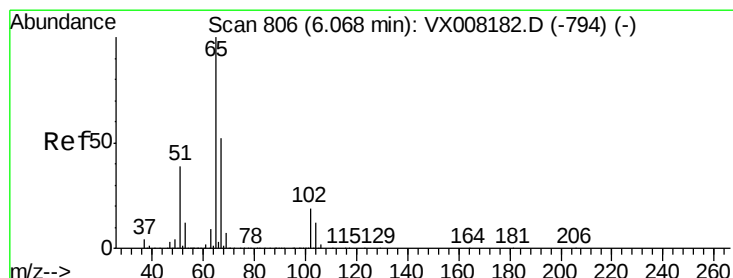
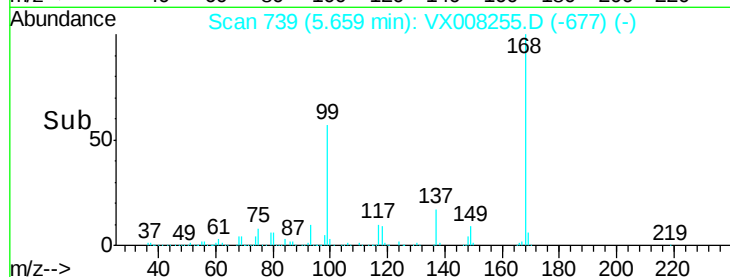
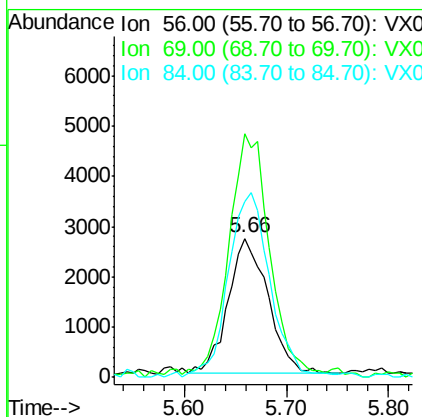
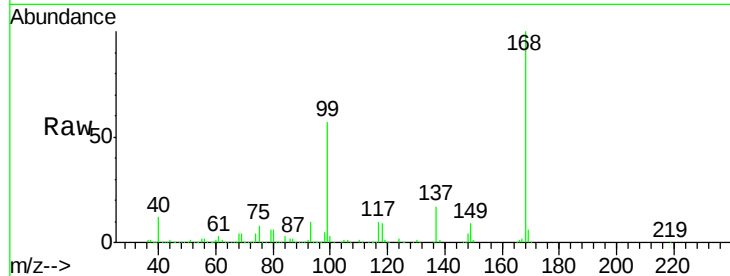




#31
Cyclohexane
Concen: 0.879 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008255.D
Acq: 20 Mar 2019 20:38

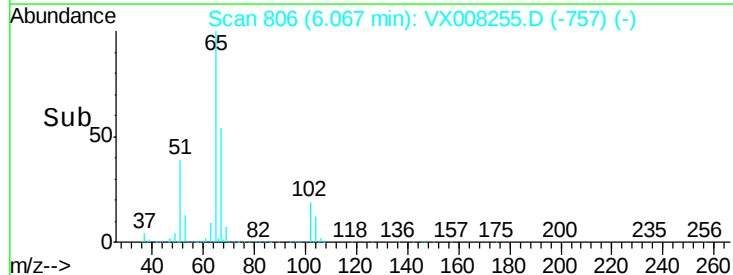
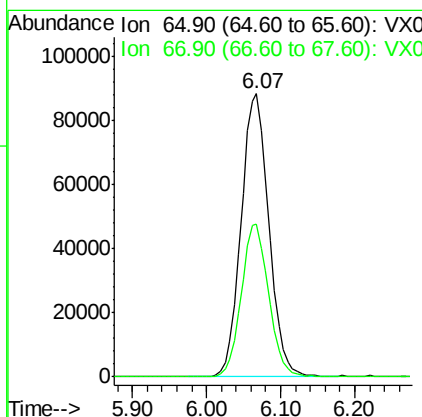
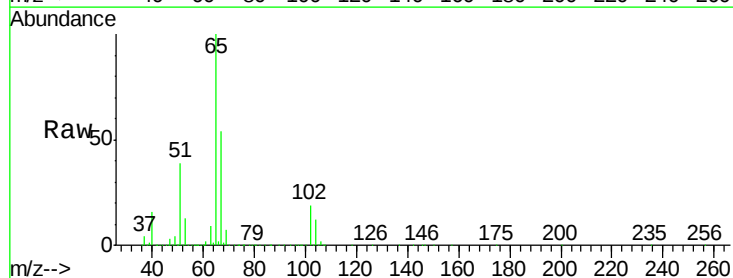
Instrument :
MSVOA_X
ClientSampleId :
M4-T2-OZ(PRE)

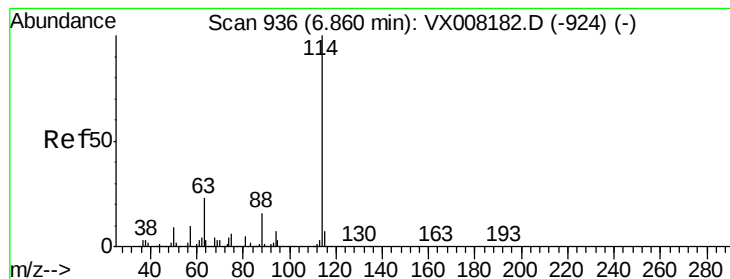
Tot Ion: 56 Resp: 7252
Ion Ratio Lower Upper
56 100
69 175.4 24.0 36.0#
84 128.6 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 46.555 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008255.D
Acq: 20 Mar 2019 20:38

Tgt Ion: 65 Resp: 231498
Ion Ratio Lower Upper
65 100
67 53.3 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

Instrument :

MSVOA_X

ClientSampleId :

M4-T2-OZ(PRE)

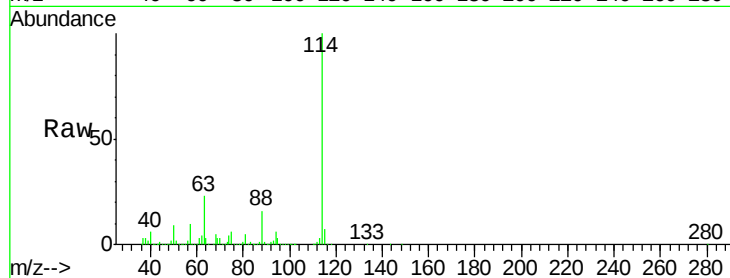
Tot Ion:114 Resp: 539865

Ion Ratio Lower Upper

114 100

63 22.8 0.0 39.8

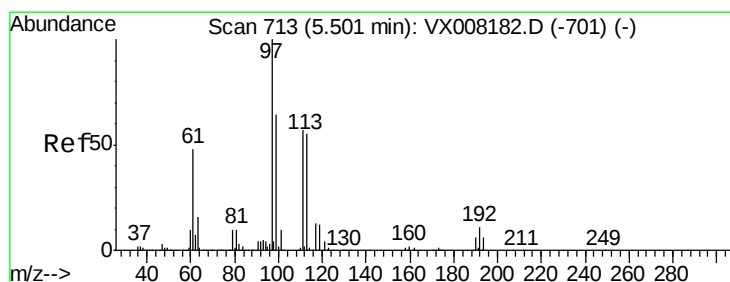
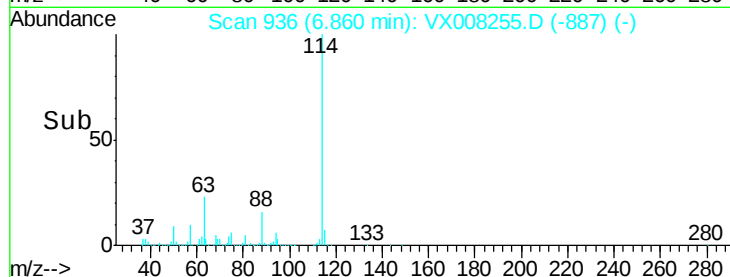
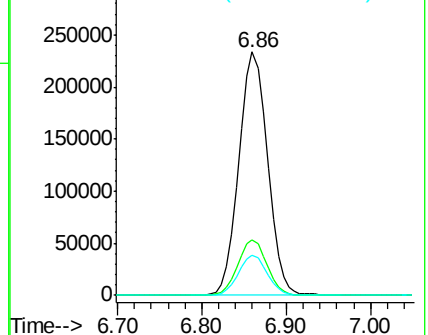
88 16.5 0.0 31.4



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: 47.946 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

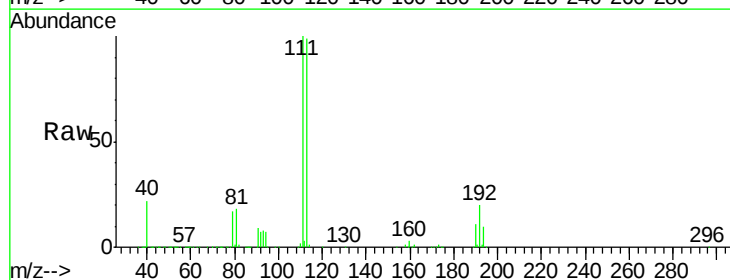
Tgt Ion:113 Resp: 173278

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

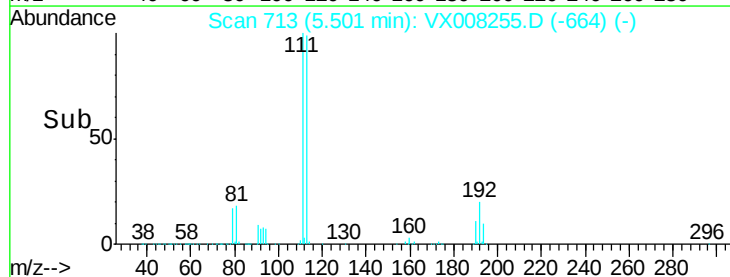
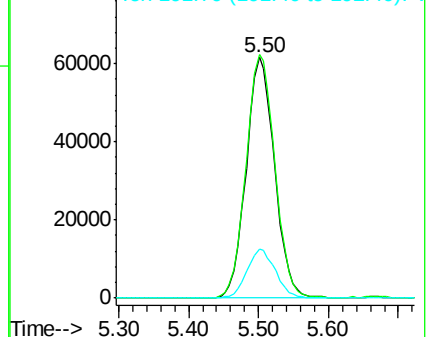
192 20.4 19.4 29.0

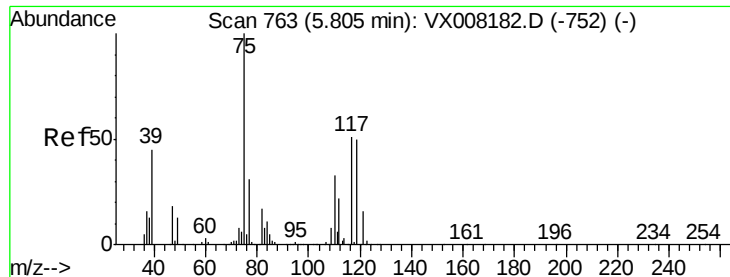


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

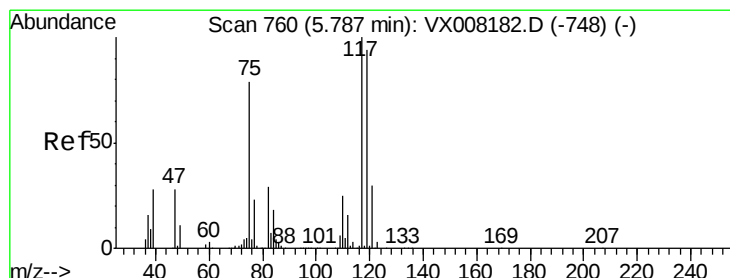
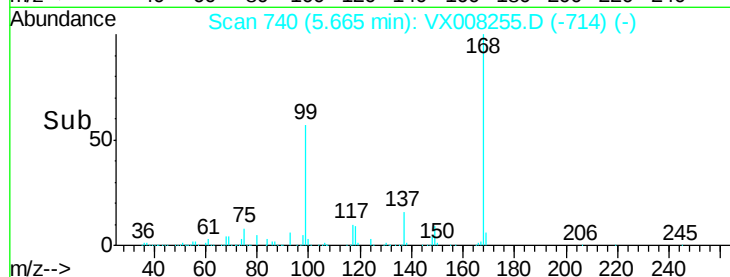
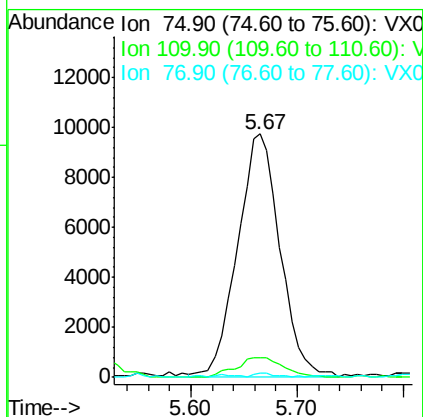
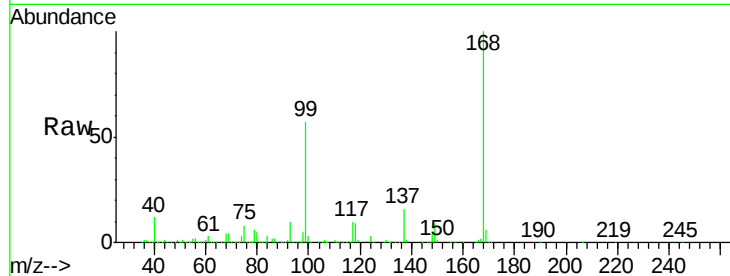




#36
 1,1-Dichloropropene
 Concen: 4.347 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008255.D
 Acq: 20 Mar 2019 20:38

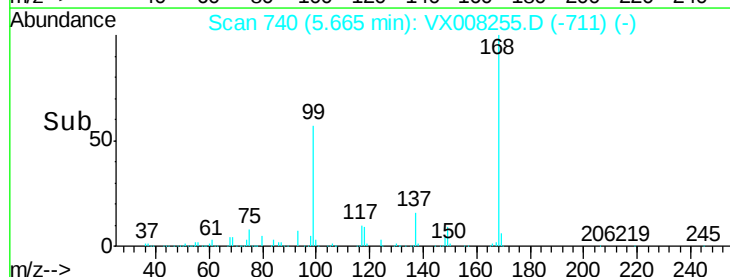
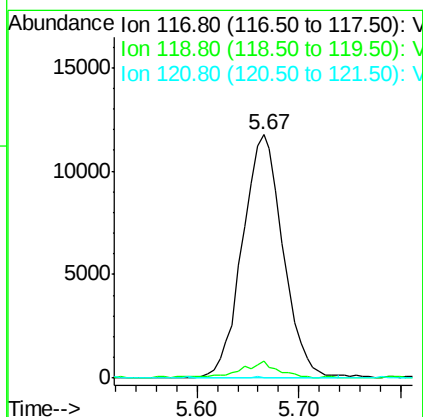
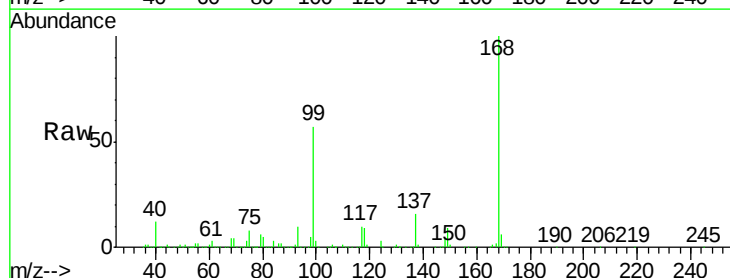
Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T2-OZ(PRE)

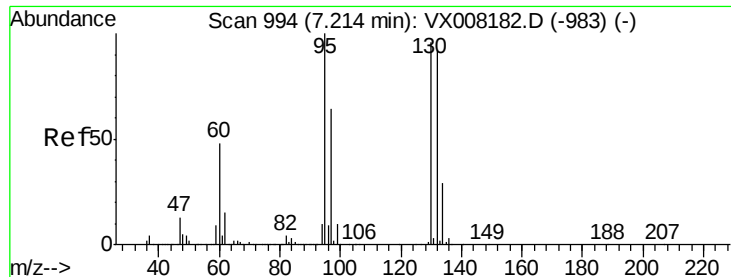
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.4	55.0#
77	0.9	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.797 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008255.D
 Acq: 20 Mar 2019 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	76.2	114.2#
121	0.0	24.6	36.8#





#44

Trichloroethene

Concen: 0.253 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

Instrument :

MSVOA_X

ClientSampleId :

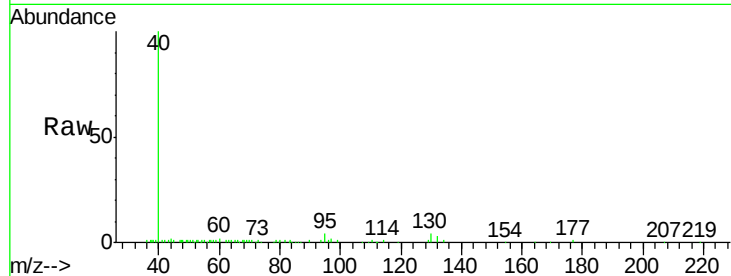
M4-T2-OZ(PRE)

Tot Ion:130 Resp: 1152

Ion Ratio Lower Upper

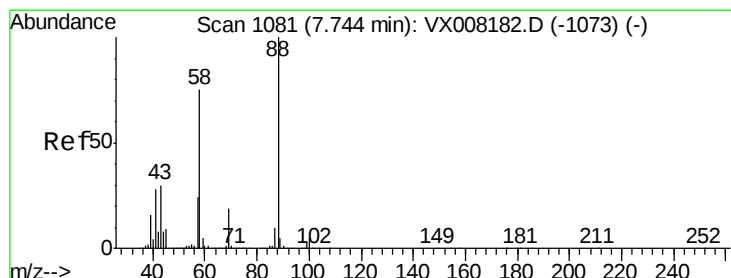
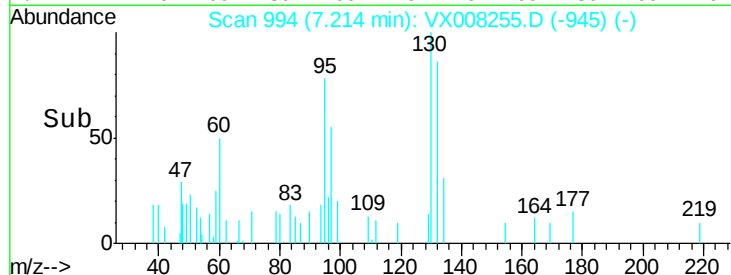
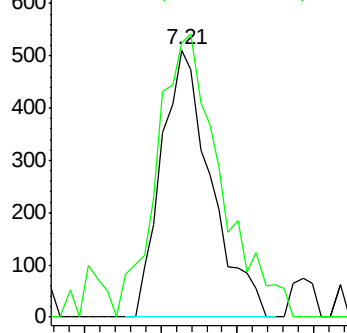
130 100

95 90.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.841 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.03 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

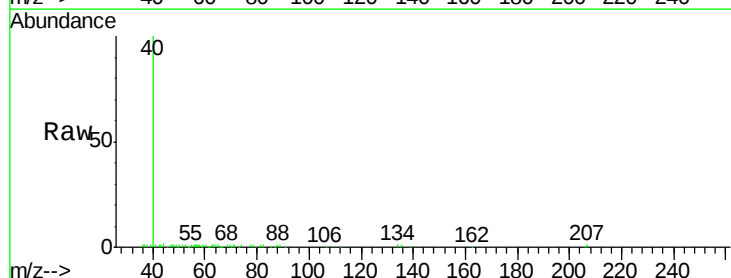
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 200.0 25.1 37.7#

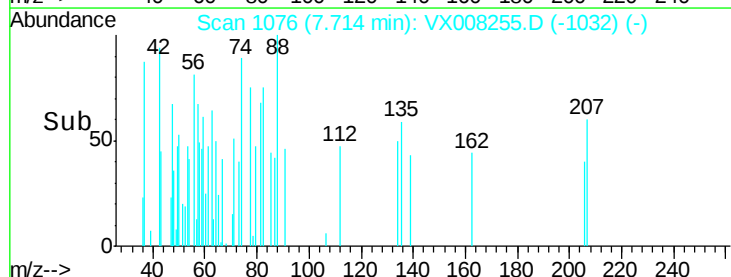
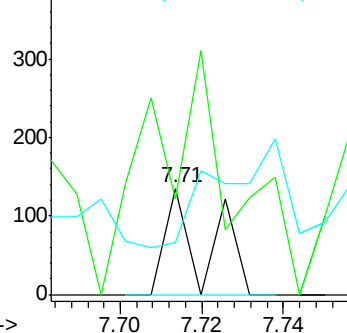
58 0.0 57.8 86.6#

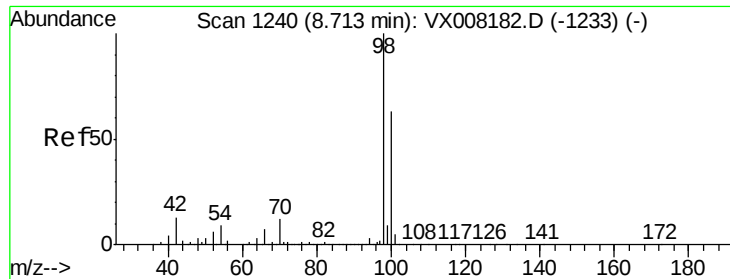


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.509 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

Instrument :

MSVOA_X

ClientSampleId :

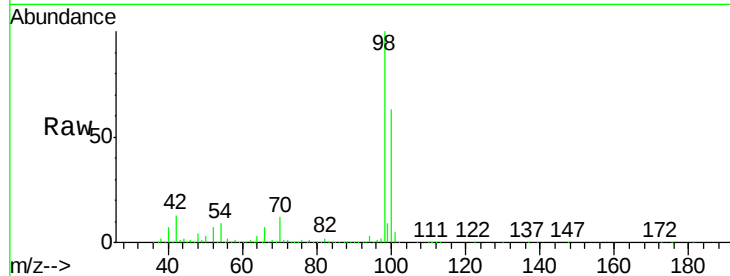
M4-T2-OZ(PRE)

Tot Ion: 98 Resp: 664679

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

400000

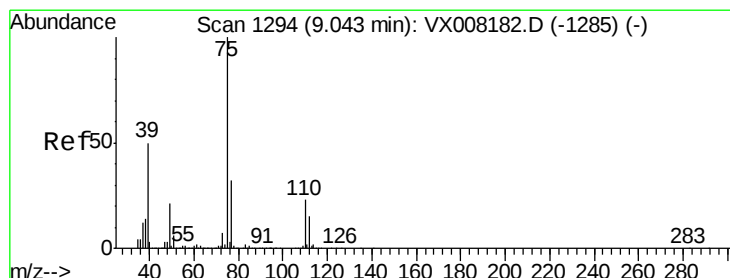
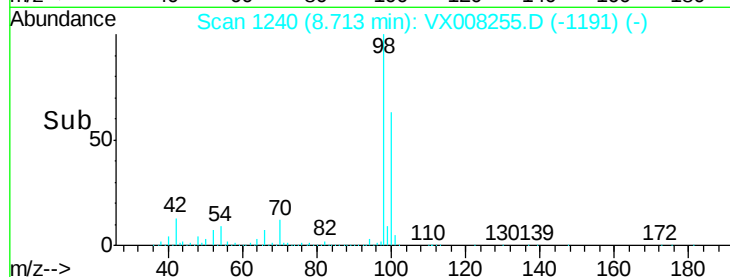
300000

200000

100000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.426 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008255.D

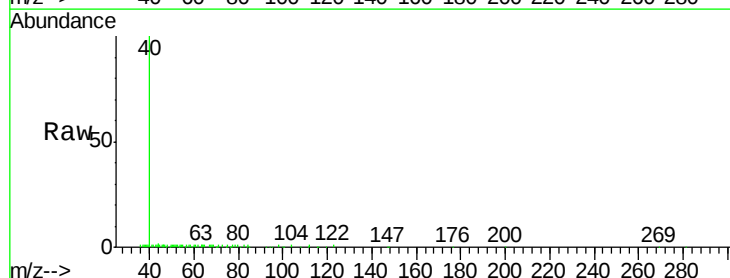
Acq: 20 Mar 2019 20:38

Tgt Ion: 75 Resp: 26

Ion Ratio Lower Upper

75 100

77 147.2 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

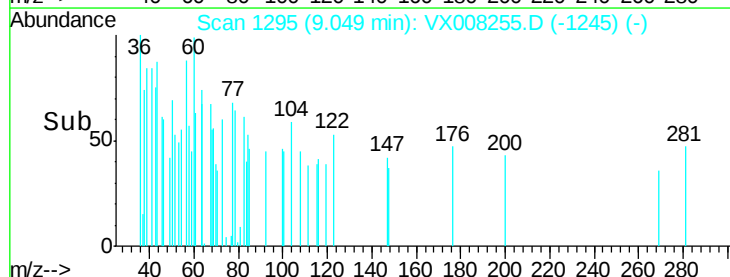
150

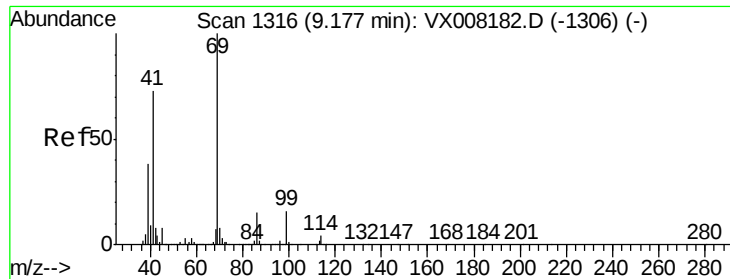
100

50

0

Time-->





#56

Ethyl methacrylate

Concen: 0.561 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

Instrument :

MSVOA_X

ClientSampleId :

M4-T2-OZ(PRE)

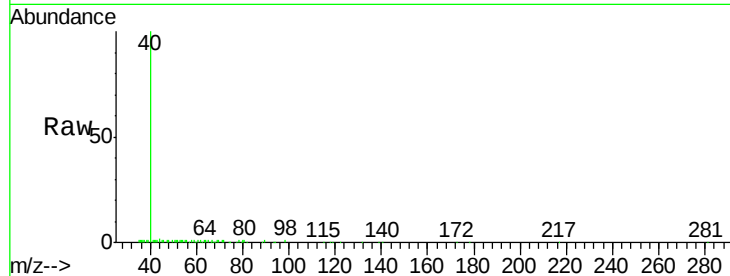
Tot Ion: 69 Resp: 276

Ion Ratio Lower Upper

69 100

41 0.0 54.2 81.4#

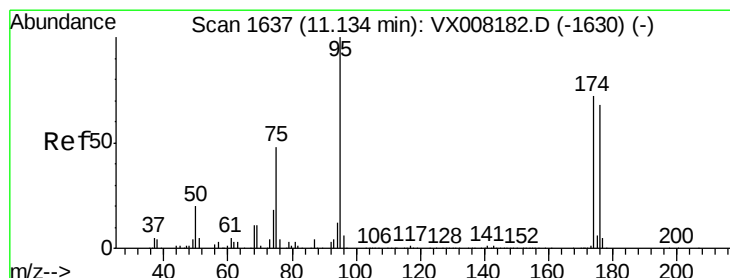
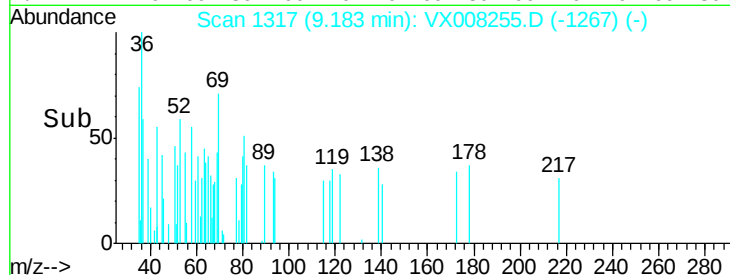
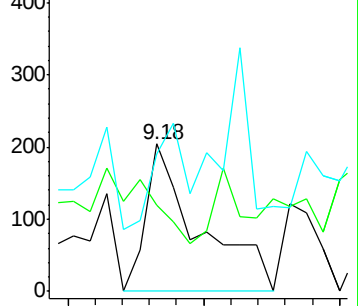
39 42.0 25.0 37.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.741 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

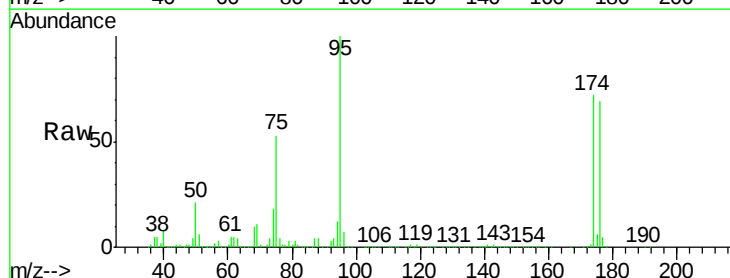
Tgt Ion: 95 Resp: 206364

Ion Ratio Lower Upper

95 100

174 78.7 0.0 182.8

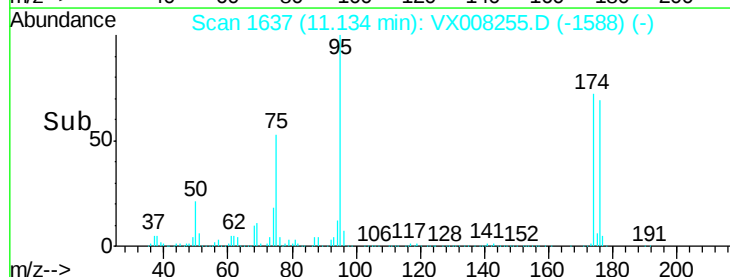
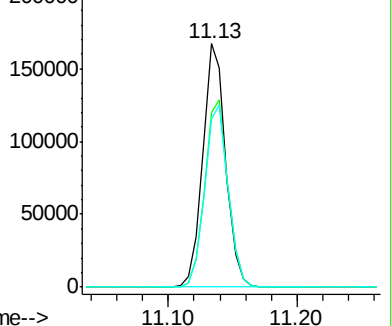
176 76.5 0.0 178.0

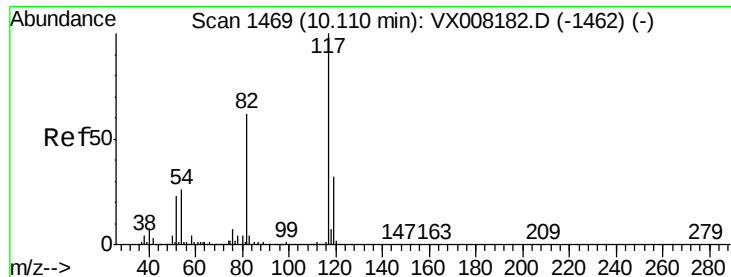


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

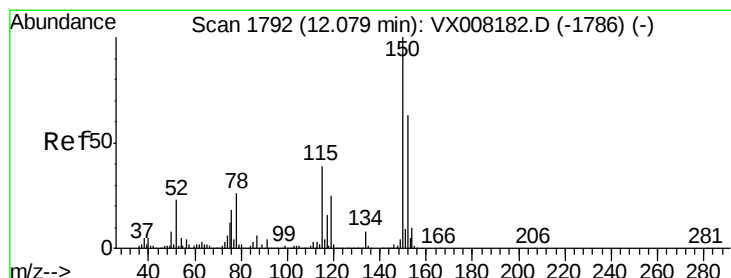
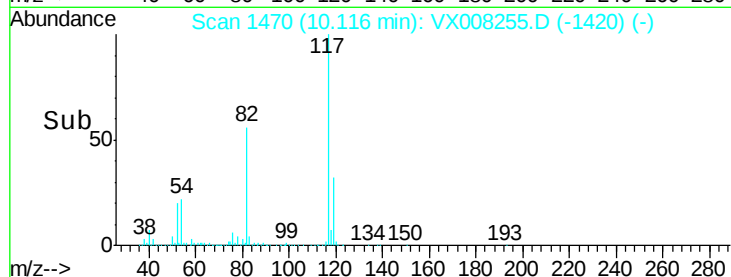
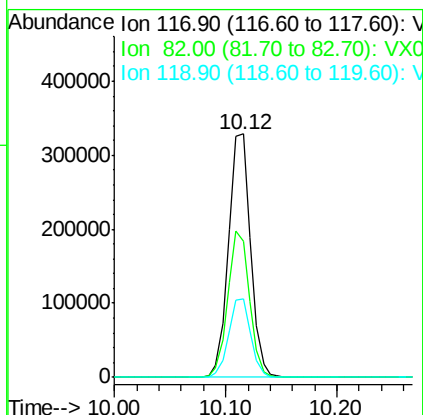
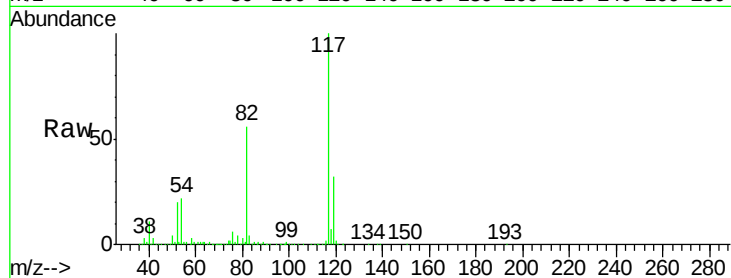




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008255.D
Acq: 20 Mar 2019 20:38

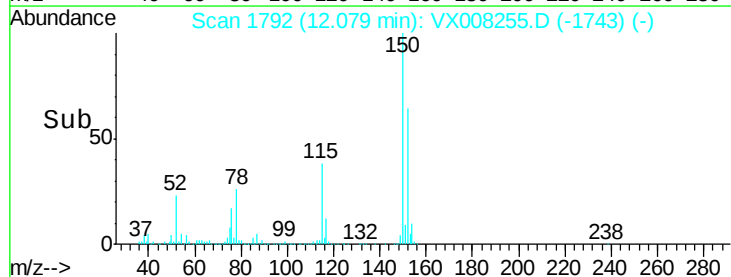
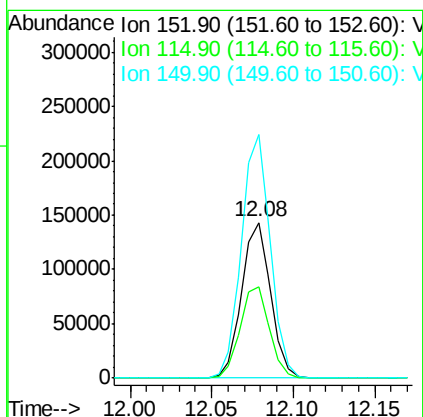
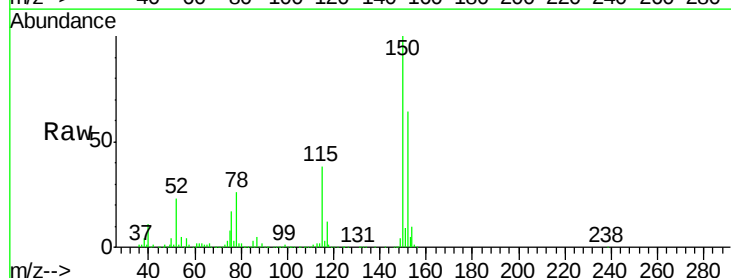
Instrument :
MSVOA_X
ClientSampleId :
M4-T2-OZ(PRE)

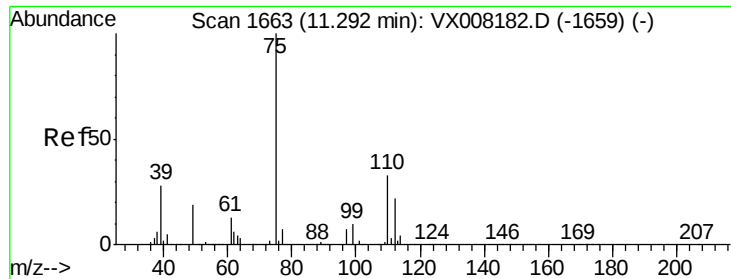
Tot Ion:117 Resp: 450820
Ion Ratio Lower Upper
117 100
82 56.1 44.3 66.5
119 32.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008255.D
Acq: 20 Mar 2019 20:38

Tgt Ion:152 Resp: 177117
Ion Ratio Lower Upper
152 100
115 59.7 38.6 115.7
150 157.1 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 21.661 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

Instrument :

MSVOA_X

ClientSampleId :

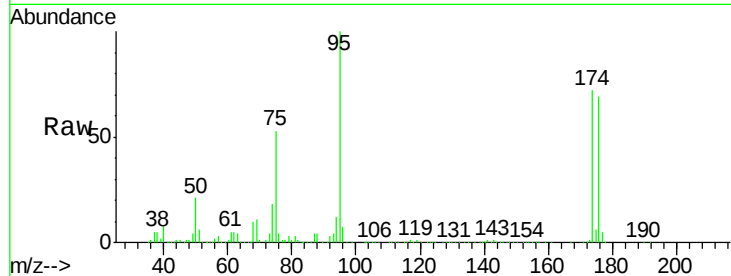
M4-T2-OZ(PRE)

Tot Ion: 75 Resp: 107907

Ion Ratio Lower Upper

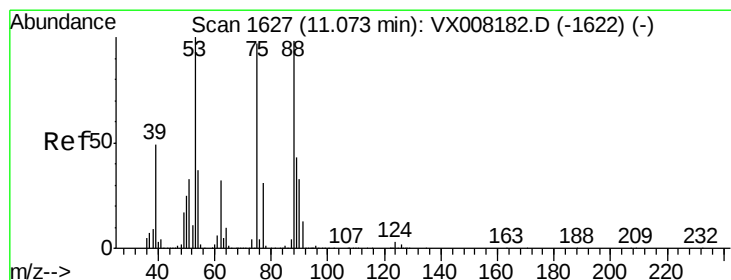
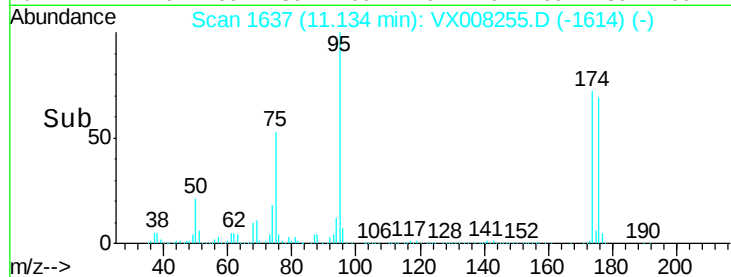
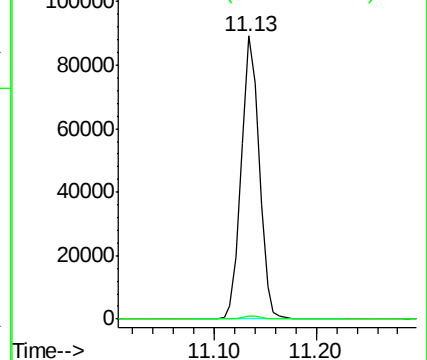
75 100

77 1.3 18.9 56.7#



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: 55.070 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008255.D

Acq: 20 Mar 2019 20:38

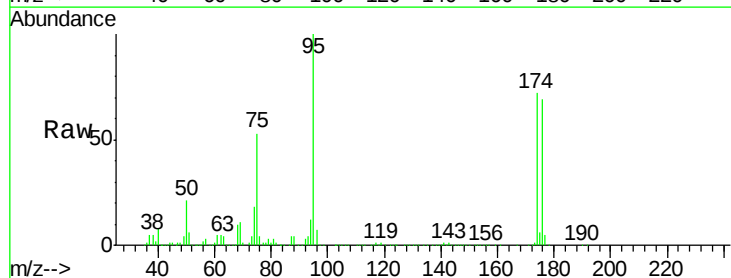
Tgt Ion: 75 Resp: 107907

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.0 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

