

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011205.D
 Acq On : 30 Jul 2019 19:14
 Operator : JC/SP
 Sample : K4026-06DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0674DL

Quant Time: Jul 31 08:42:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	211675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	306283	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127858	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	105450	46.83	ug/l	0.00
Spiked Amount						
			Recovery	=	93.66%	
35) Dibromofluoromethane	5.50	113	88916	45.74	ug/l	0.00
Spiked Amount						
			Recovery	=	91.48%	
50) Toluene-d8	8.71	98	355309	48.73	ug/l	0.00
Spiked Amount						
			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.13	95	118769	44.32	ug/l	0.00
Spiked Amount						
			Recovery	=	88.64%	

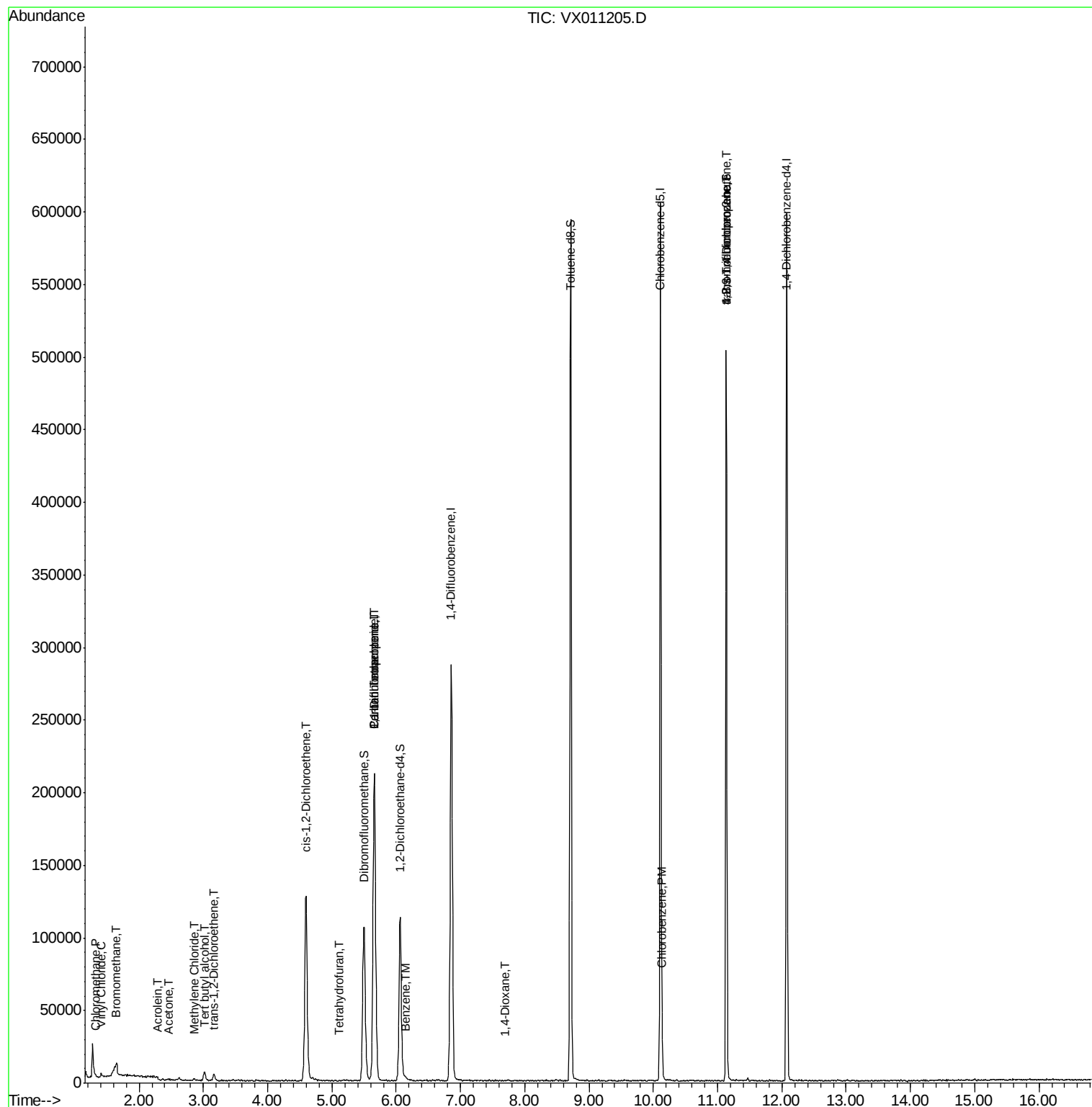
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	563	0.289	ug/l #	1
4) Vinyl Chloride	1.40	62	2080	1.048	ug/l #	86
5) Bromomethane	1.65	94	759	0.678	ug/l #	57
11) Tert butyl alcohol	3.02	59	3373	6.432	ug/l #	81
13) Acrolein	2.28	56	228	0.752	ug/l	85
16) Acetone	2.45	43	912	0.897	ug/l #	80
20) Methylene Chloride	2.86	84	435	0.202	ug/l #	84
21) trans-1,2-Dichloroethene	3.17	96	1805	0.902	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	87824	37.932	ug/l	88
29) Tetrahydrofuran	5.12	42	215	0.232	ug/l #	36
36) 1,1-Dichloropropene	5.65	75	14538	5.779	ug/l #	44
38) Carbon Tetrachloride	5.66	117	20129	7.678	ug/l #	18
40) Benzene	6.15	78	2924	0.379	ug/l	97
49) 1,4-Dioxane	7.69	88	22	0.381	ug/l #	1
65) Chlorobenzene	10.14	112	10774	1.933	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	60238	26.108	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	60238	64.861	ug/l #	11

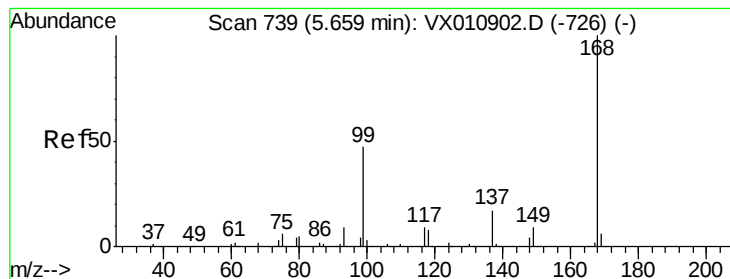
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Instrument :

MSVOA_X

ClientSampled :

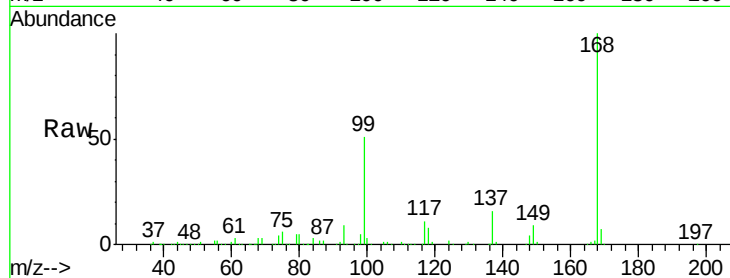
Z3-0674DL

Tgt Ion:168 Resp: 211675

Ion Ratio Lower Upper

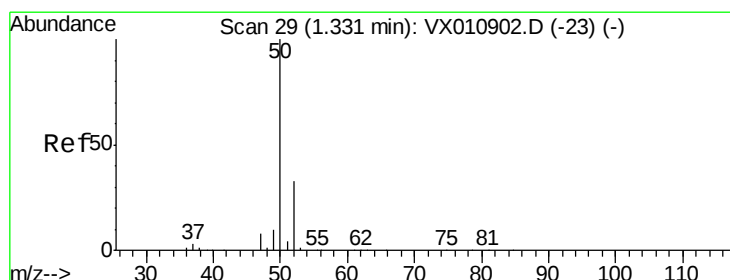
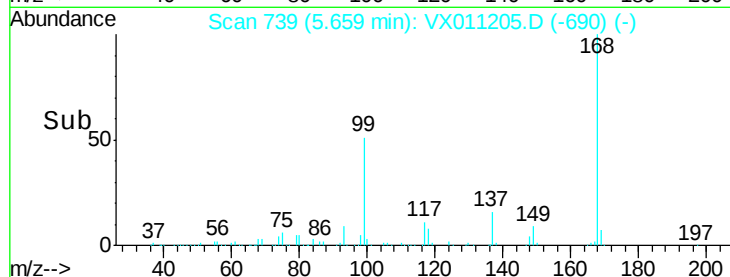
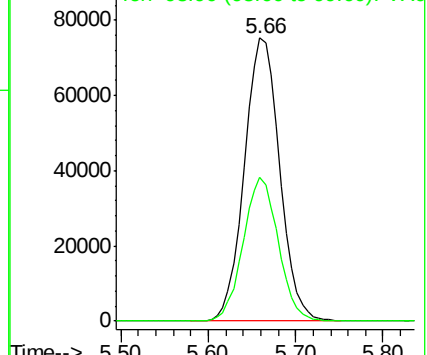
168 100

99 50.9 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: 0.289 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011205.D

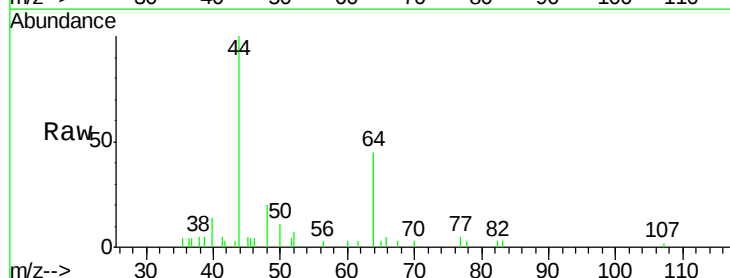
Acq: 30 Jul 2019 19:14

Tgt Ion: 50 Resp: 563

Ion Ratio Lower Upper

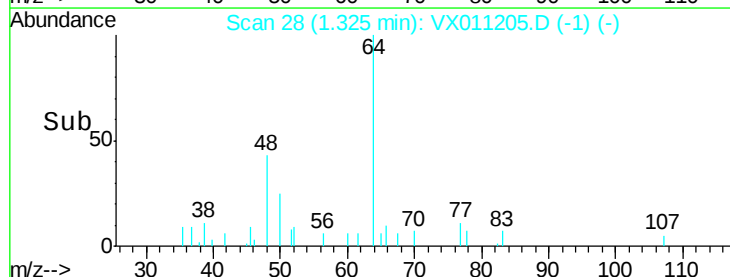
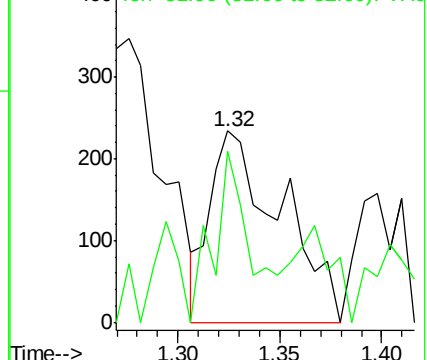
50 100

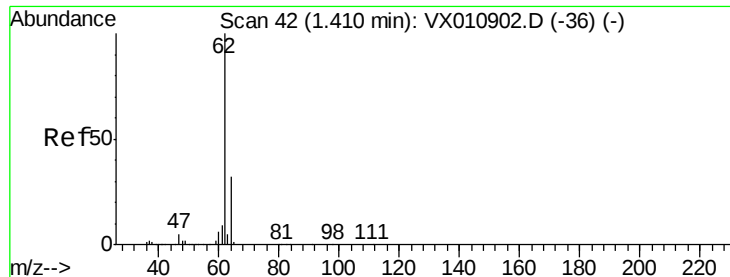
52 89.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 1.048 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

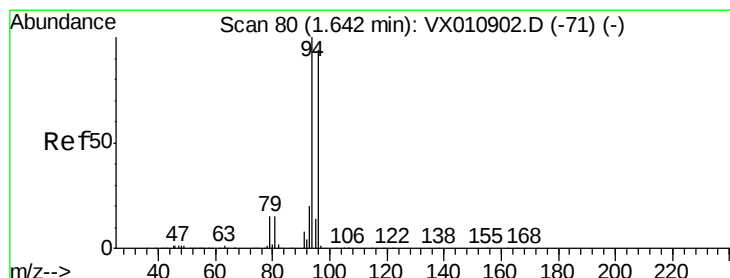
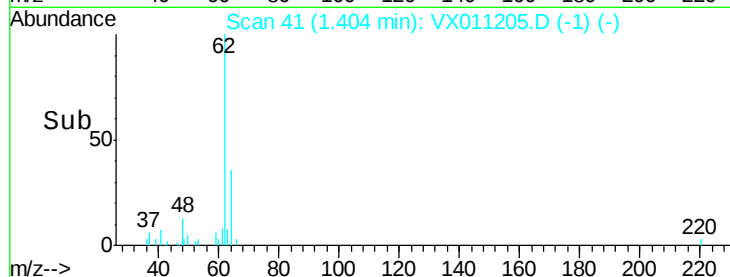
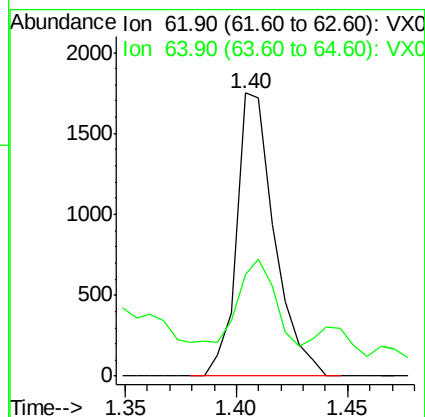
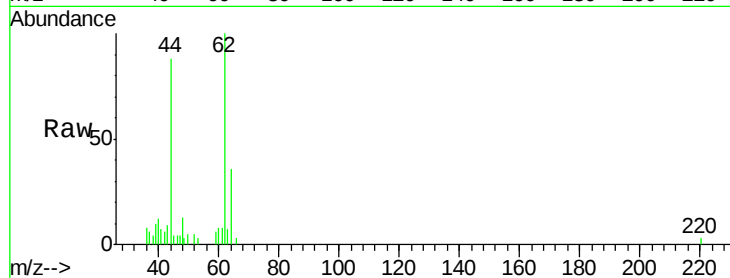
Z3-0674DL

Tgt Ion: 62 Resp: 2080

Ion Ratio Lower Upper

62 100

64 24.4 25.7 38.5#



#5

Bromomethane

Concen: 0.678 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX011205.D

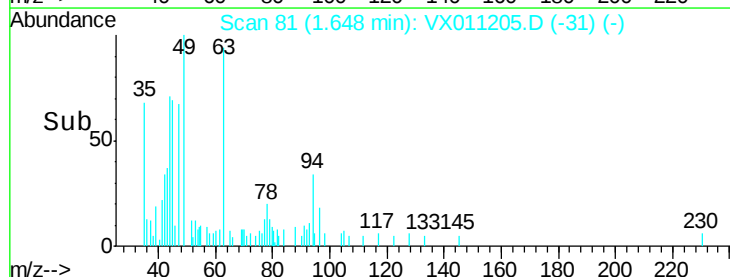
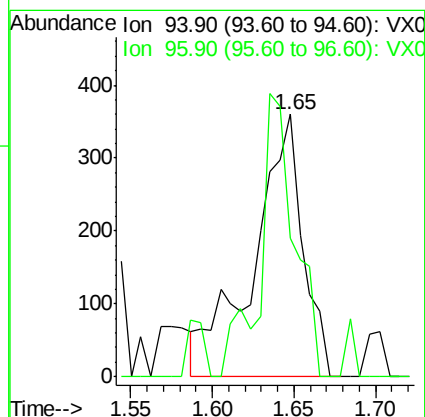
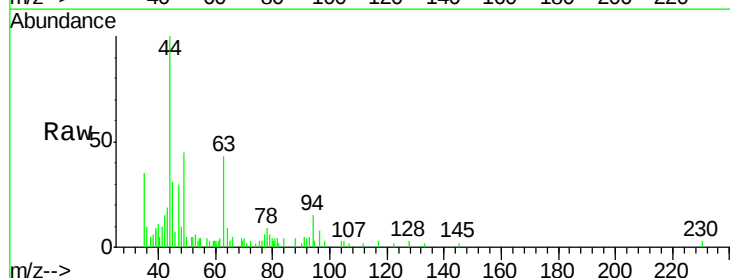
Acq: 30 Jul 2019 19:14

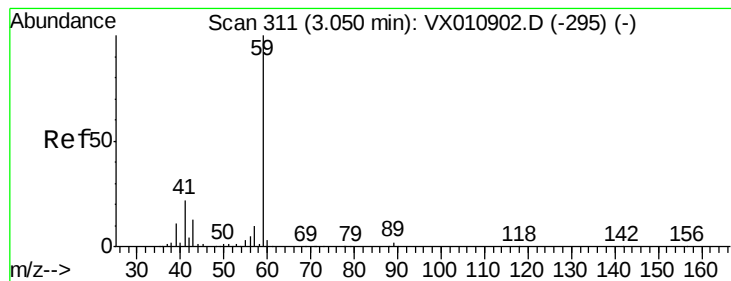
Tgt Ion: 94 Resp: 759

Ion Ratio Lower Upper

94 100

96 53.1 75.6 113.4#



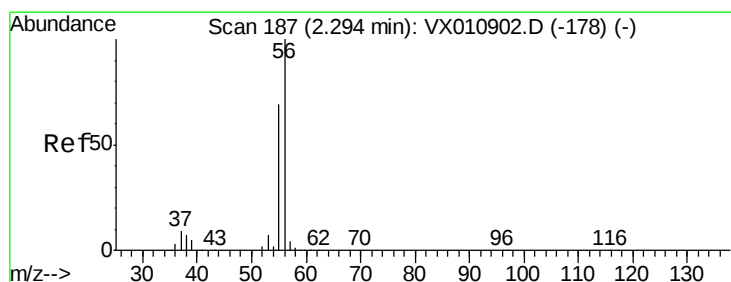
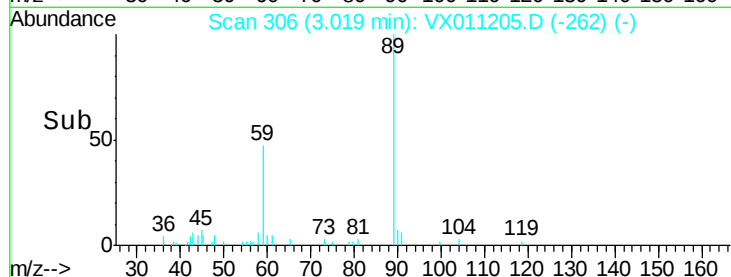
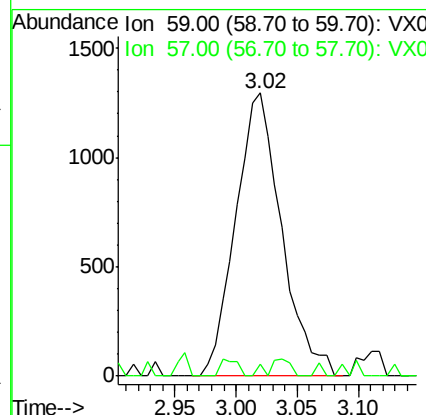
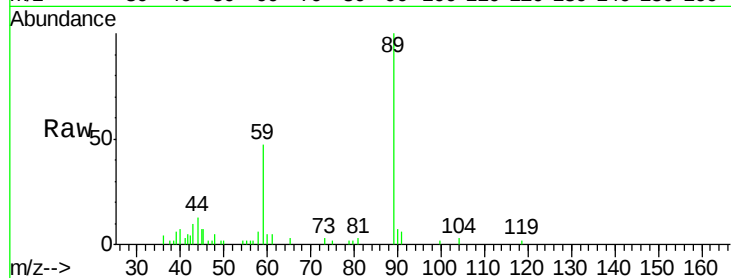


#11

Tert butyl alcohol
 Concen: 6.432 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX011205.D
 Acq: 30 Jul 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleID :
 Z3-0674DL

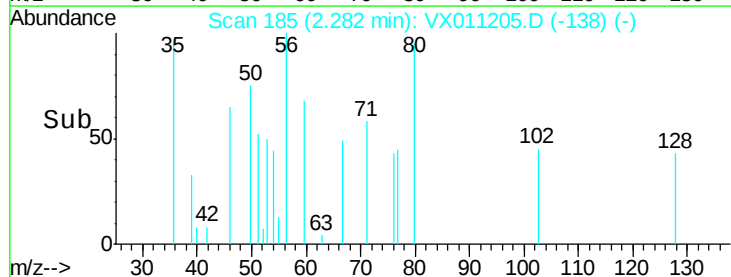
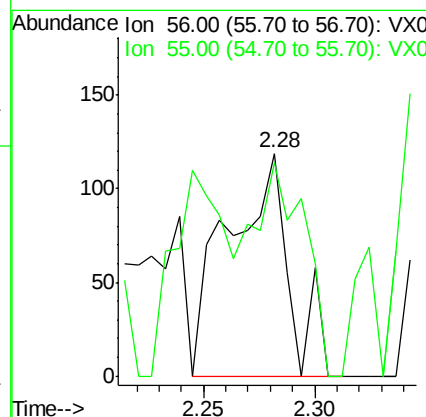
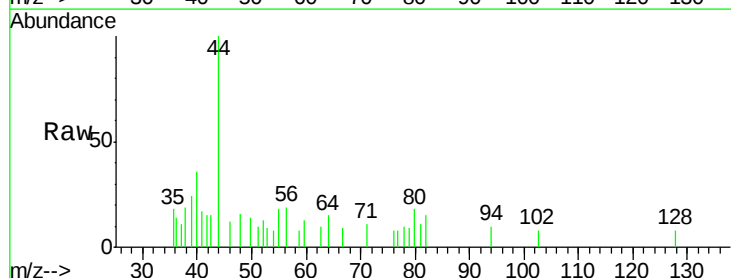
Tgt Ion: 59 Resp: 3373
 Ion Ratio Lower Upper
 59 100
 57 2.9 7.9 11.9#

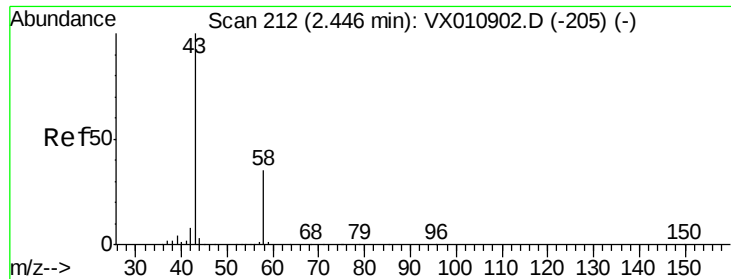


#13

Acrolein
 Concen: 0.752 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX011205.D
 Acq: 30 Jul 2019 19:14

Tgt Ion: 56 Resp: 228
 Ion Ratio Lower Upper
 56 100
 55 82.0 55.9 83.9





#16

Acetone

Concen: 0.897 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Instrument :

MSVOA_X

ClientSampled :

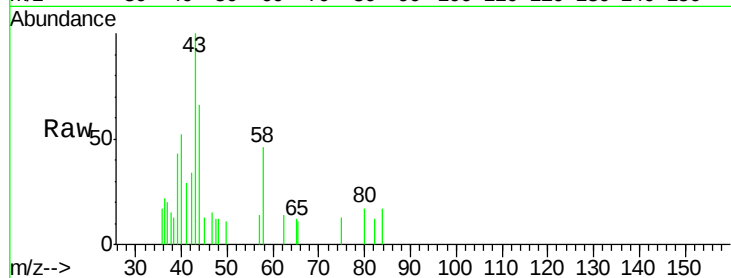
Z3-0674DL

Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

58 46.1 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

400

300

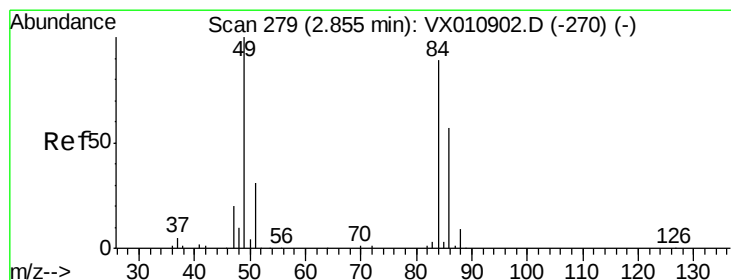
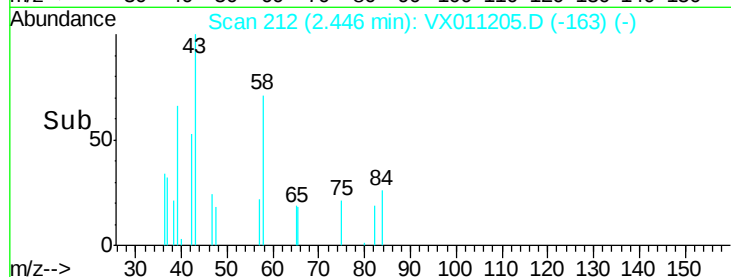
200

100

0

2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Tgt Ion: 84 Resp: 435

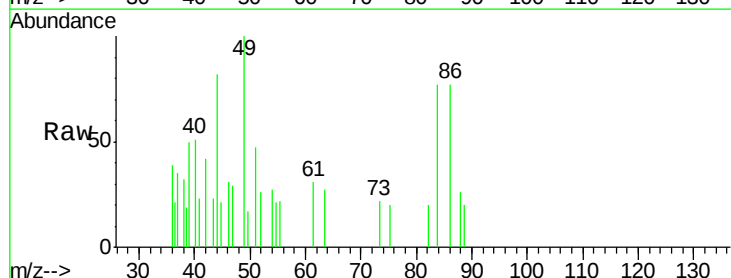
Ion Ratio Lower Upper

84 100

49 108.0 89.9 134.9

51 34.7 27.8 41.6

86 100.4 51.8 77.6#



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

400

300

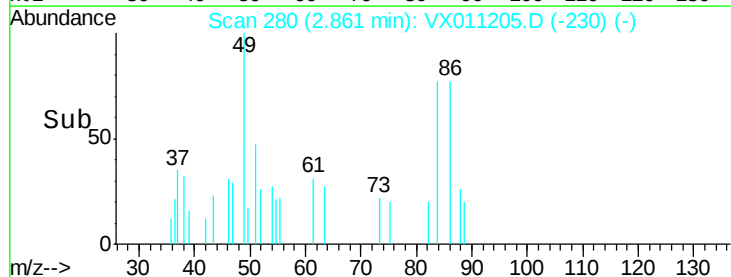
200

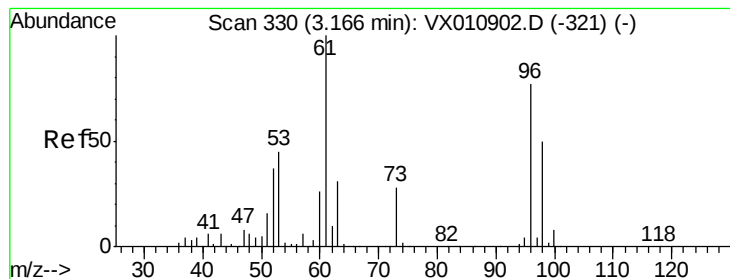
100

0

2.80 2.85 2.90

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.902 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

Z3-0674DL

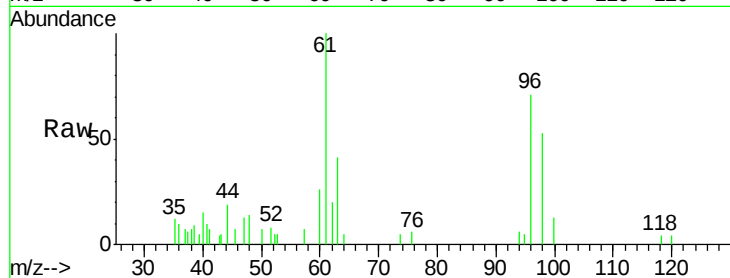
Tgt Ion: 96 Resp: 1805

Ion Ratio Lower Upper

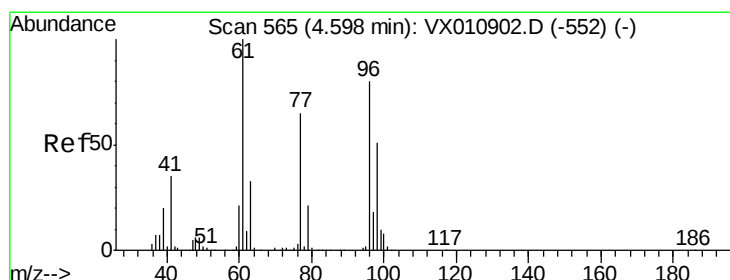
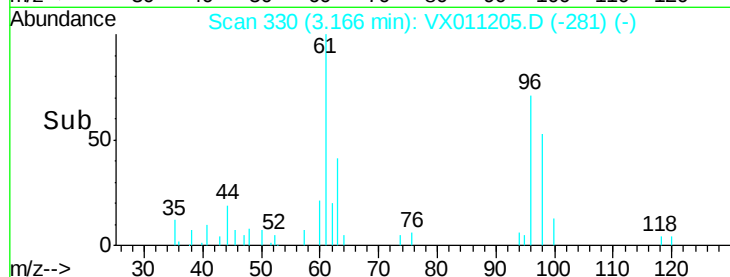
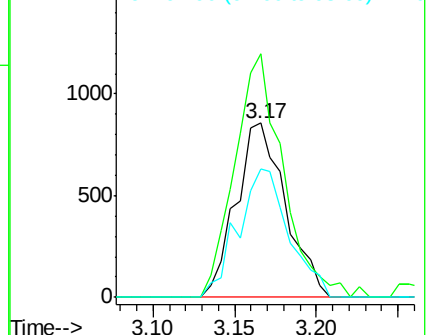
96 100

61 140.0 104.2 156.2

98 74.2 52.2 78.4



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



#27

cis-1,2-Dichloroethene

Concen: 37.932 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

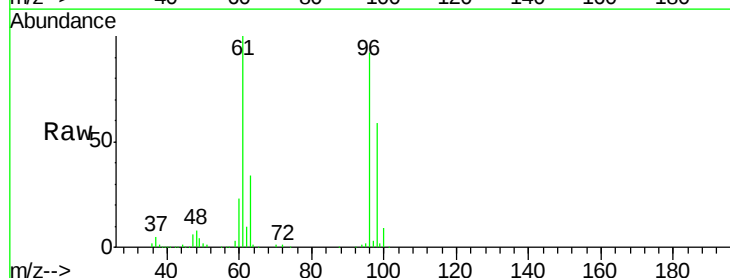
Tgt Ion: 96 Resp: 87824

Ion Ratio Lower Upper

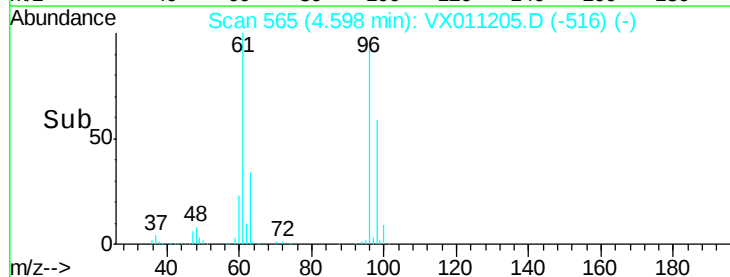
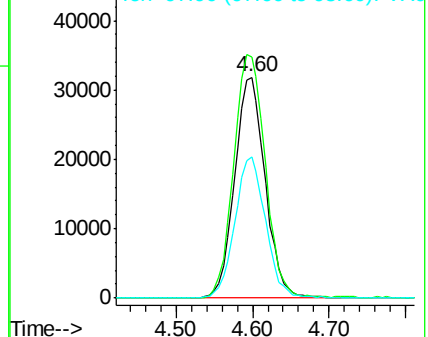
96 100

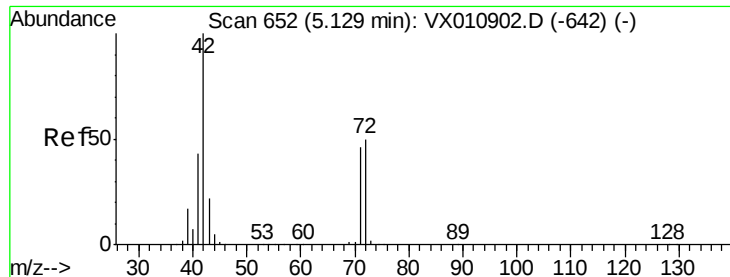
61 114.2 0.0 269.0

98 64.0 0.0 131.4



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





#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Instrument :

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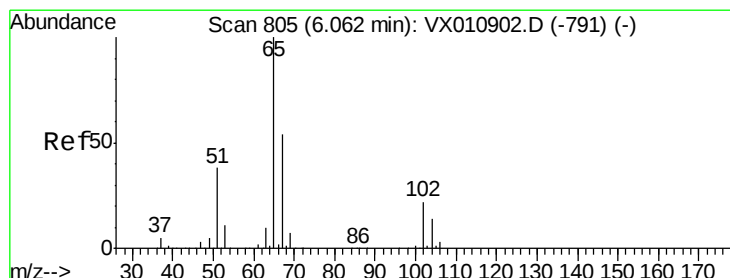
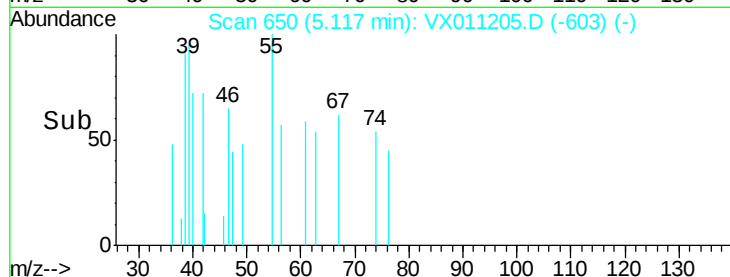
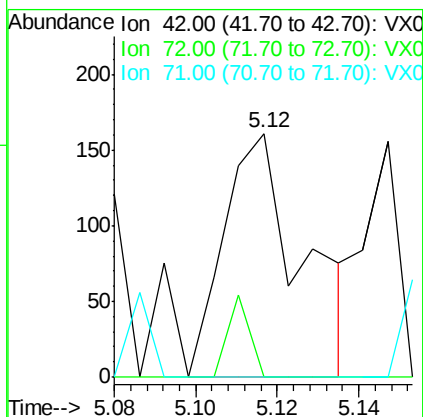
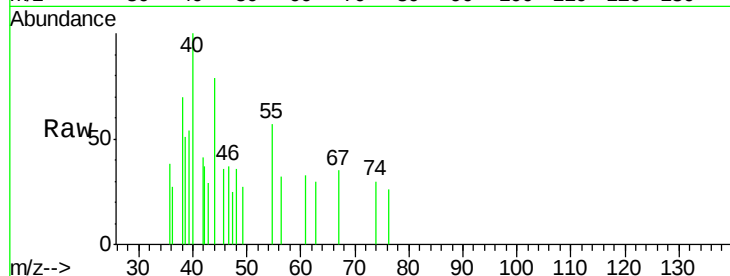
Tgt Ion: 42 Resp: 215

Ion Ratio Lower Upper

42 100

72 9.3 39.8 59.8#

71 0.0 37.0 55.4#



#33

1,2-Dichloroethane-d4

Concen: 46.827 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX011205.D

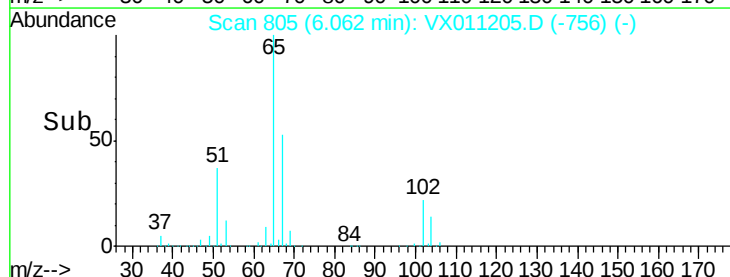
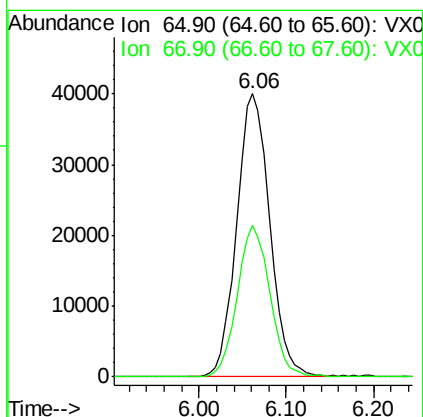
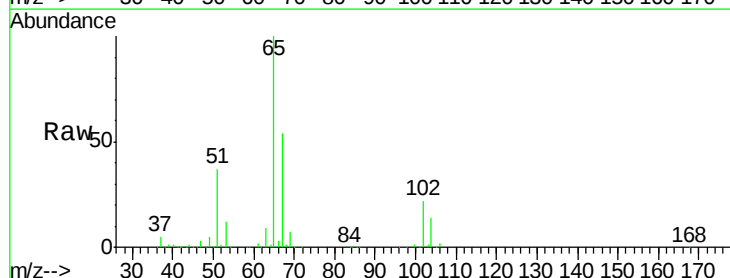
Acq: 30 Jul 2019 19:14

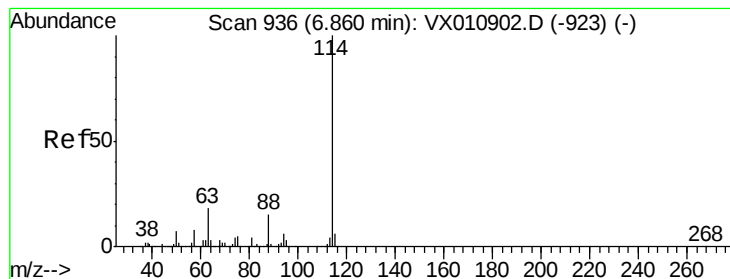
Tgt Ion: 65 Resp: 105450

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

Z3-0674DL

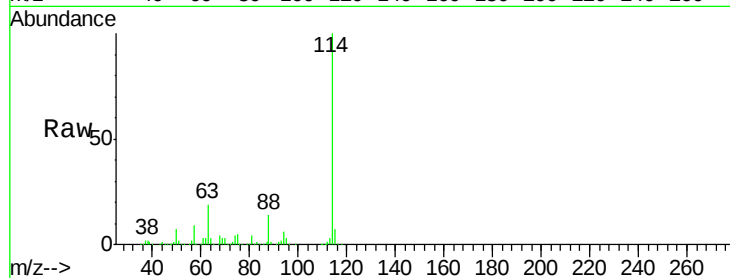
Tgt Ion:114 Resp: 306283

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.6

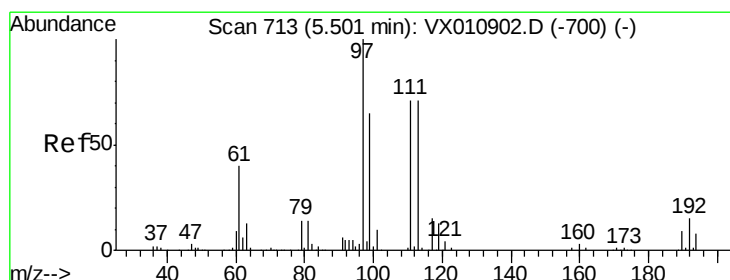
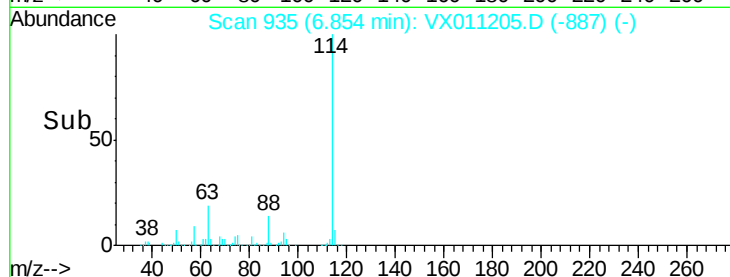
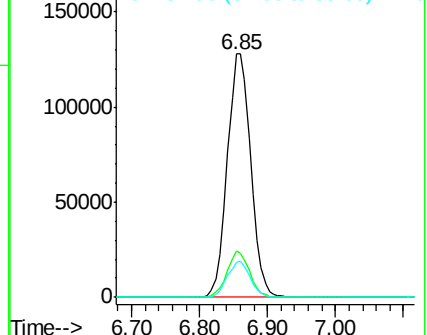
88 14.5 0.0 29.8



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: 45.738 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

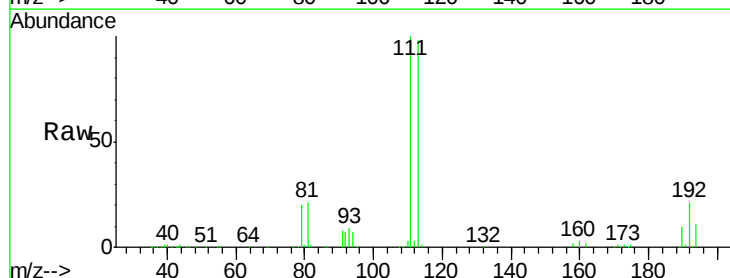
Tgt Ion:113 Resp: 88916

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

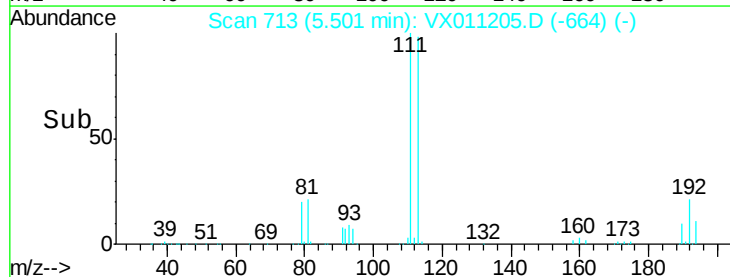
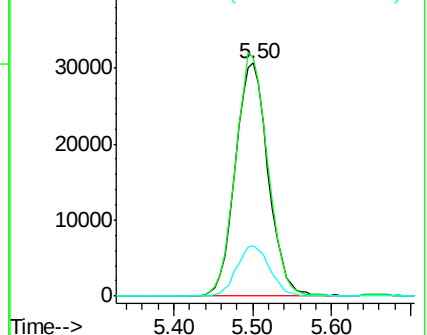
192 21.7 17.4 26.2

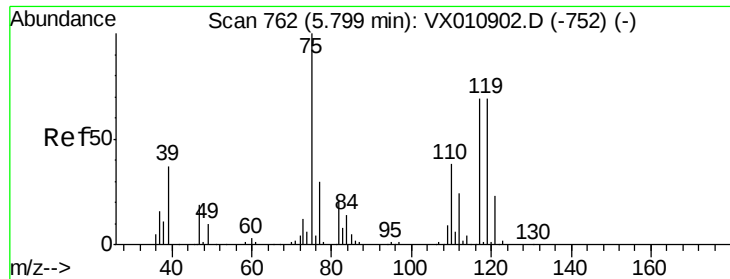


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

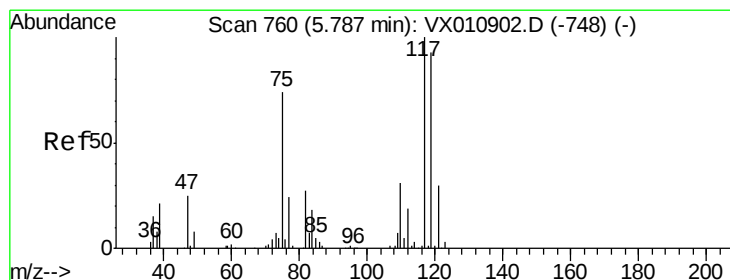
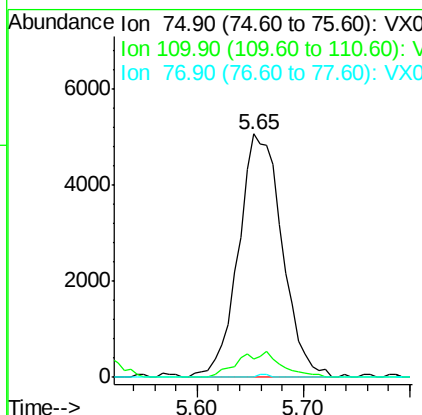
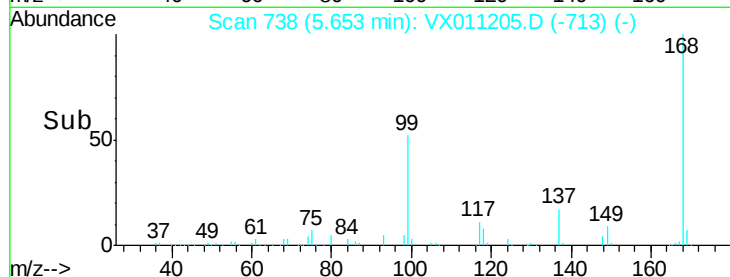
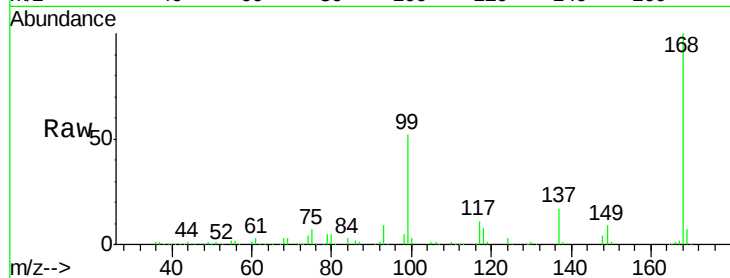




#36
 1,1-Dichloropropene
 Concen: 5.779 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011205.D
 Acq: 30 Jul 2019 19:14

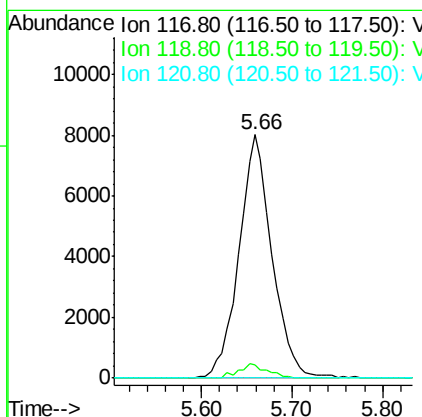
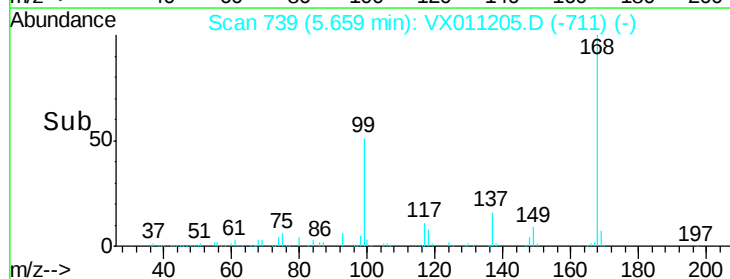
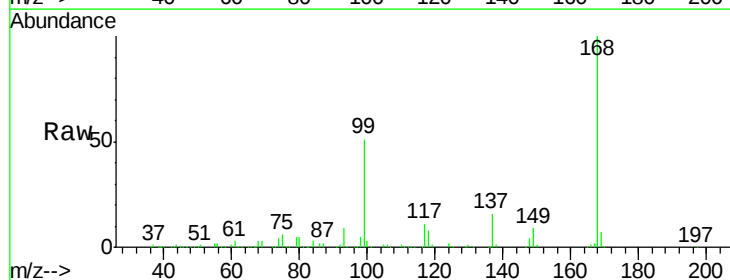
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0674DL

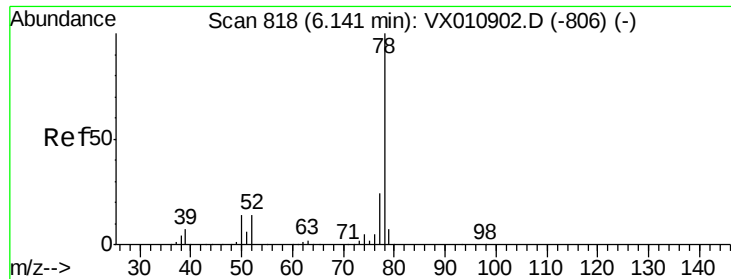
Tgt Ion: 75 Resp: 14538
 Ion Ratio Lower Upper
 75 100
 110 4.9 19.9 59.7#
 77 0.4 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.678 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011205.D
 Acq: 30 Jul 2019 19:14

Tgt Ion: 117 Resp: 20129
 Ion Ratio Lower Upper
 117 100
 119 5.5 74.2 111.2#
 121 0.0 24.2 36.2#





#40

Benzene

Concen: 0.379 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

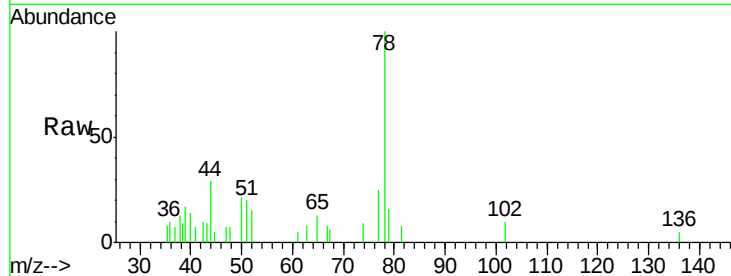
Z3-0674DL

Tgt Ion: 78 Resp: 2924

Ion Ratio Lower Upper

78 100

77 25.4 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

1200

1000

800

600

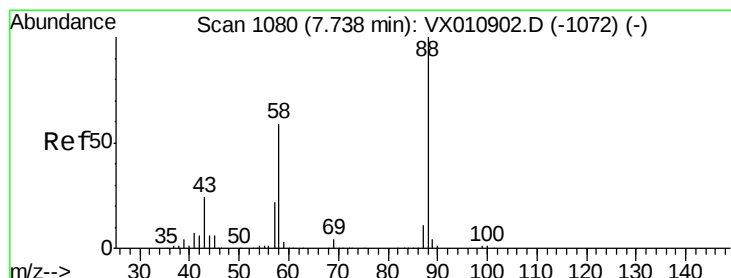
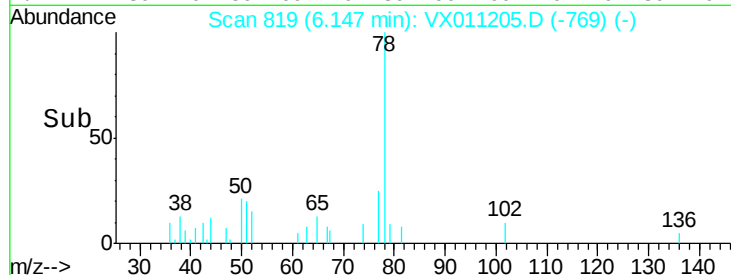
400

200

0

6.05 6.10 6.15 6.20 6.25

Time-->



#49

1,4-Dioxane

Concen: 0.381 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.05 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

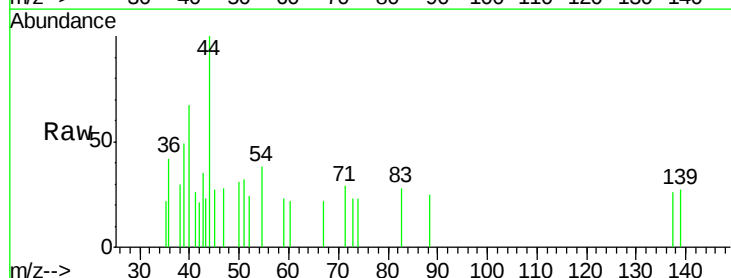
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 1027.3 22.9 34.3#

58 95.5 49.8 74.8#



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

150

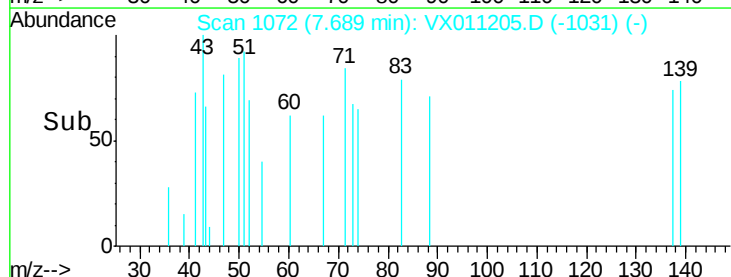
100

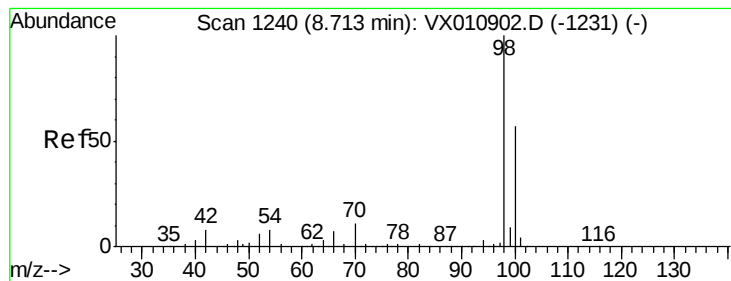
50

0

7.67 7.68 7.69 7.70 7.71

Time-->





#50

Toluene-d8

Concen: 48.730 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

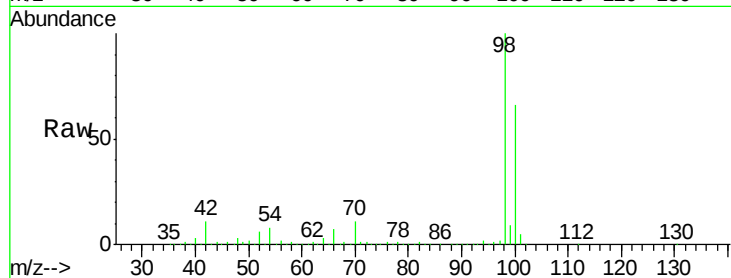
Z3-0674DL

Tgt Ion: 98 Resp: 355309

Ion Ratio Lower Upper

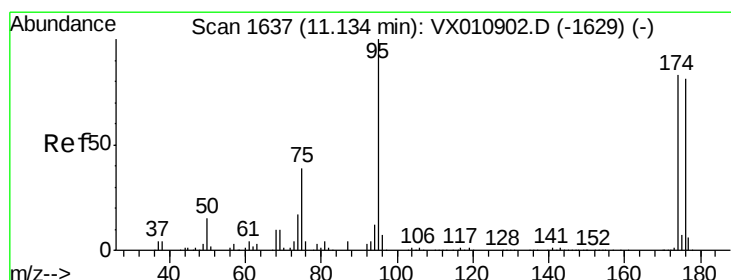
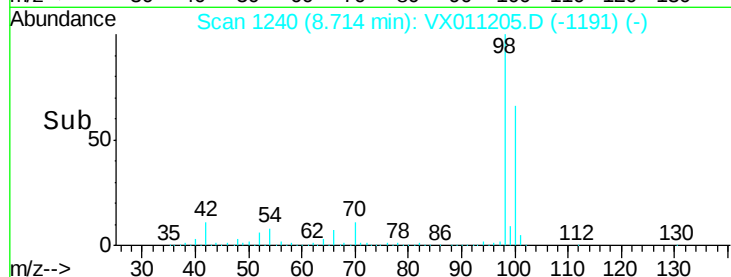
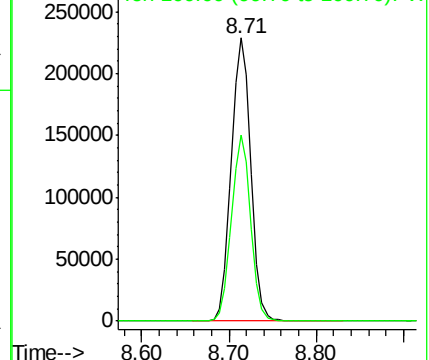
98 100

100 64.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.315 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

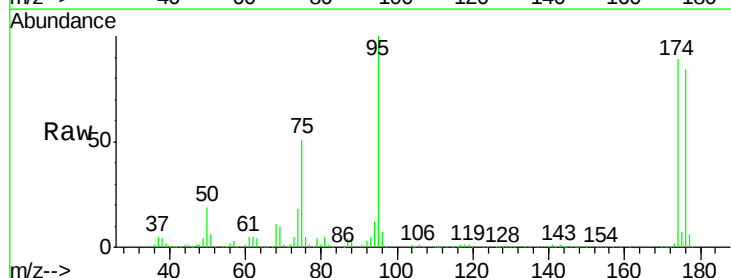
Tgt Ion: 95 Resp: 118769

Ion Ratio Lower Upper

95 100

174 92.5 0.0 180.6

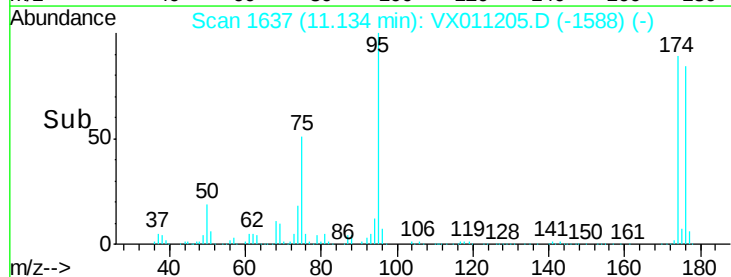
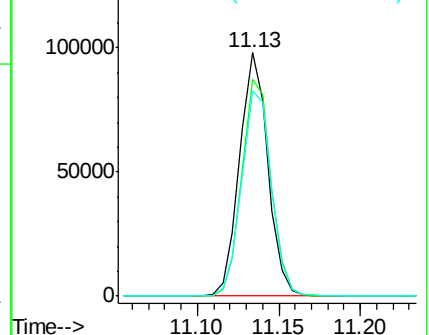
176 89.2 0.0 173.8

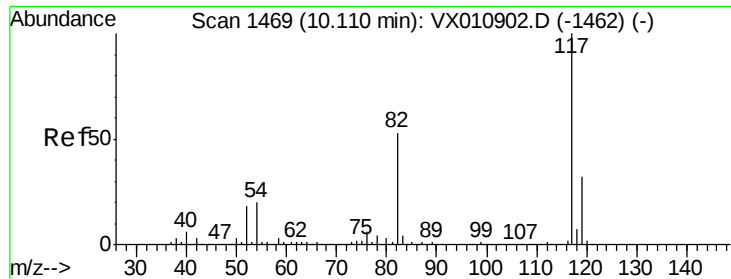


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

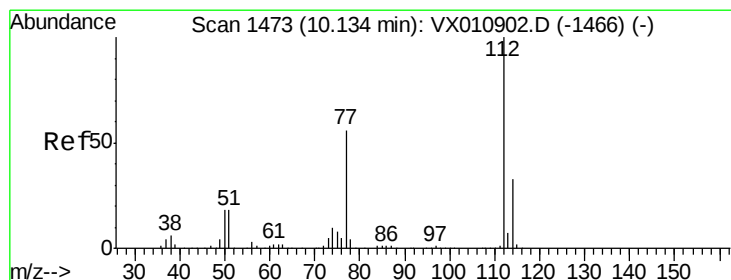
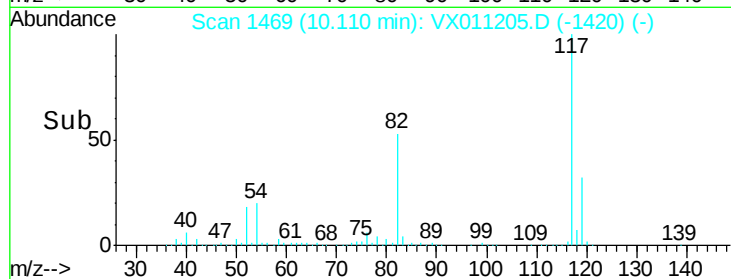
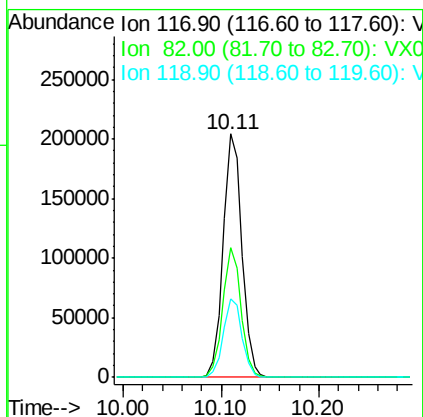
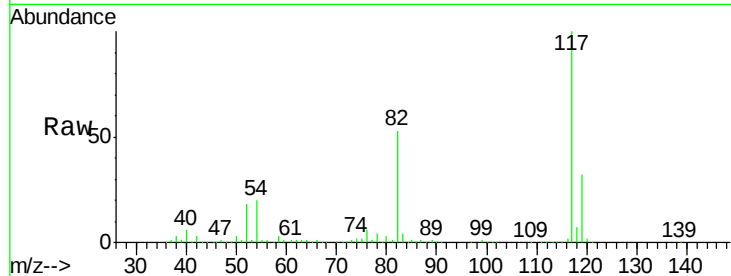




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

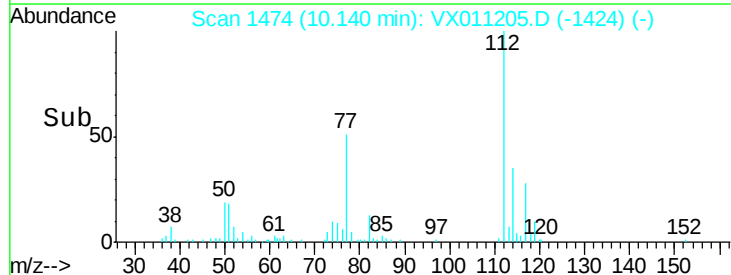
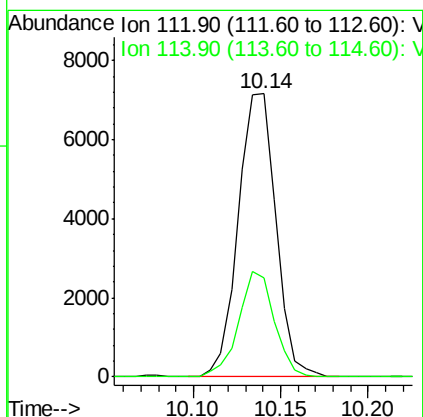
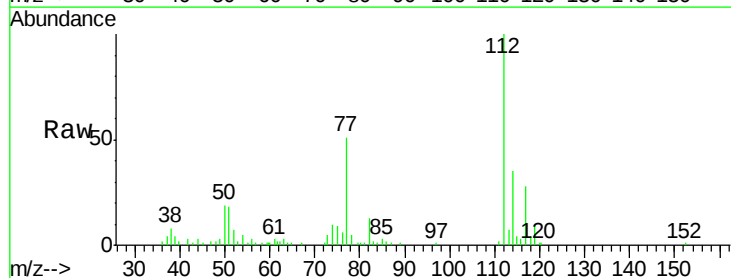
Instrument :
MSVOA_X
ClientSampled :
Z3-0674DL

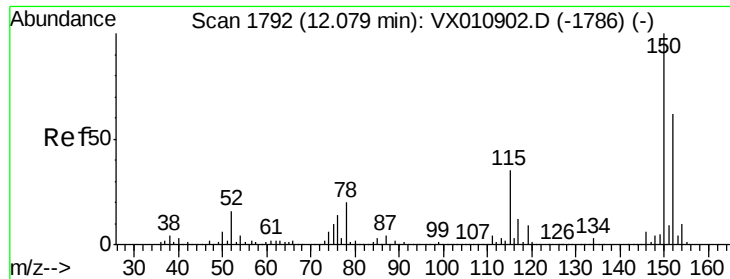
Tgt Ion:117 Resp: 271371
Ion Ratio Lower Upper
117 100
82 53.0 42.6 63.8
119 32.4 25.9 38.9



#65
Chlorobenzene
Concen: 1.933 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX011205.D
Acq: 30 Jul 2019 19:14

Tgt Ion:112 Resp: 10774
Ion Ratio Lower Upper
112 100
114 35.0 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

Z3-0674DL

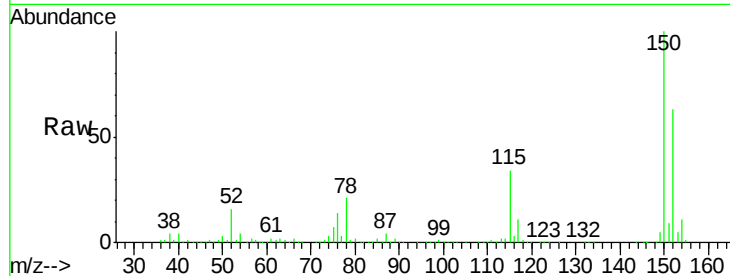
Tgt Ion:152 Resp: 127858

Ion Ratio Lower Upper

152 100

115 56.7 39.7 119.1

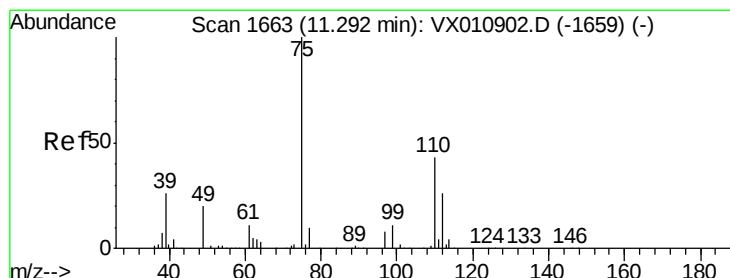
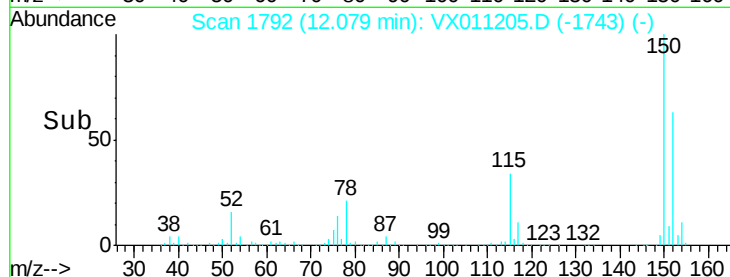
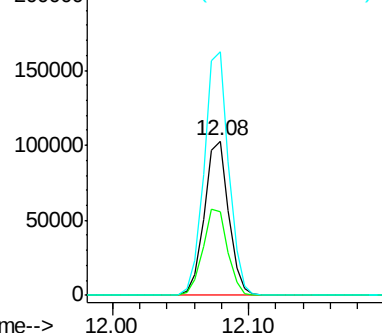
150 159.0 0.0 345.6



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: 26.108 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011205.D

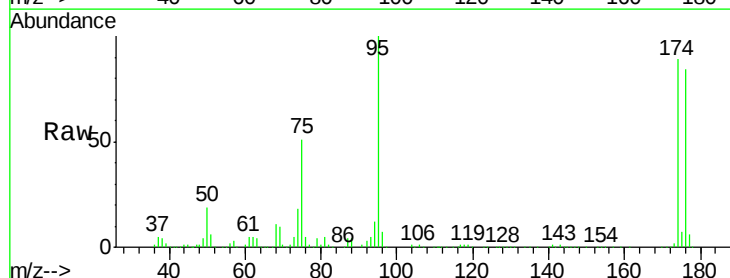
Acq: 30 Jul 2019 19:14

Tgt Ion: 75 Resp: 60238

Ion Ratio Lower Upper

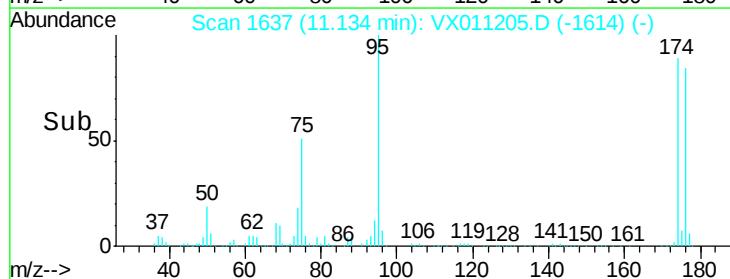
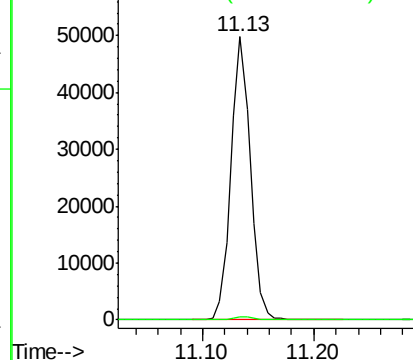
75 100

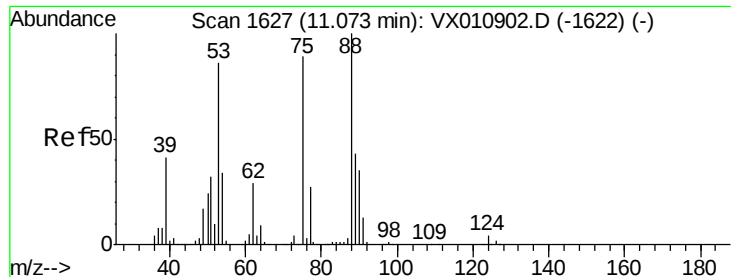
77 1.3 21.3 64.0#



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: 64.861 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011205.D

Acq: 30 Jul 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

Z3-0674DL

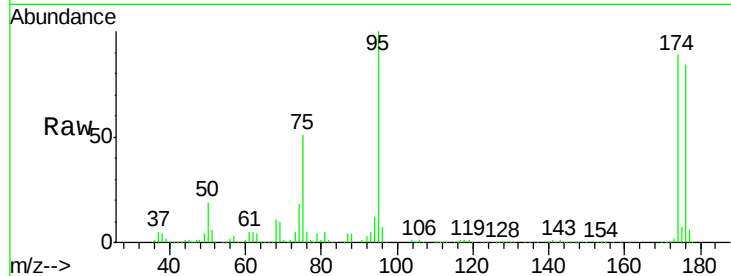
Tgt Ion: 75 Resp: 60238

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 38.5 57.7#



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

