

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011201.D
 Acq On : 30 Jul 2019 17:40
 Operator : JC/SP
 Sample : K4026-02DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0685DL

Quant Time: Jul 31 08:41:04 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	5.67	168	222115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316578	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	107396	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
35) Dibromofluoromethane	5.50	113	93443	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	8.71	98	363874	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.13	95	118739	42.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.72%	

Target Compounds

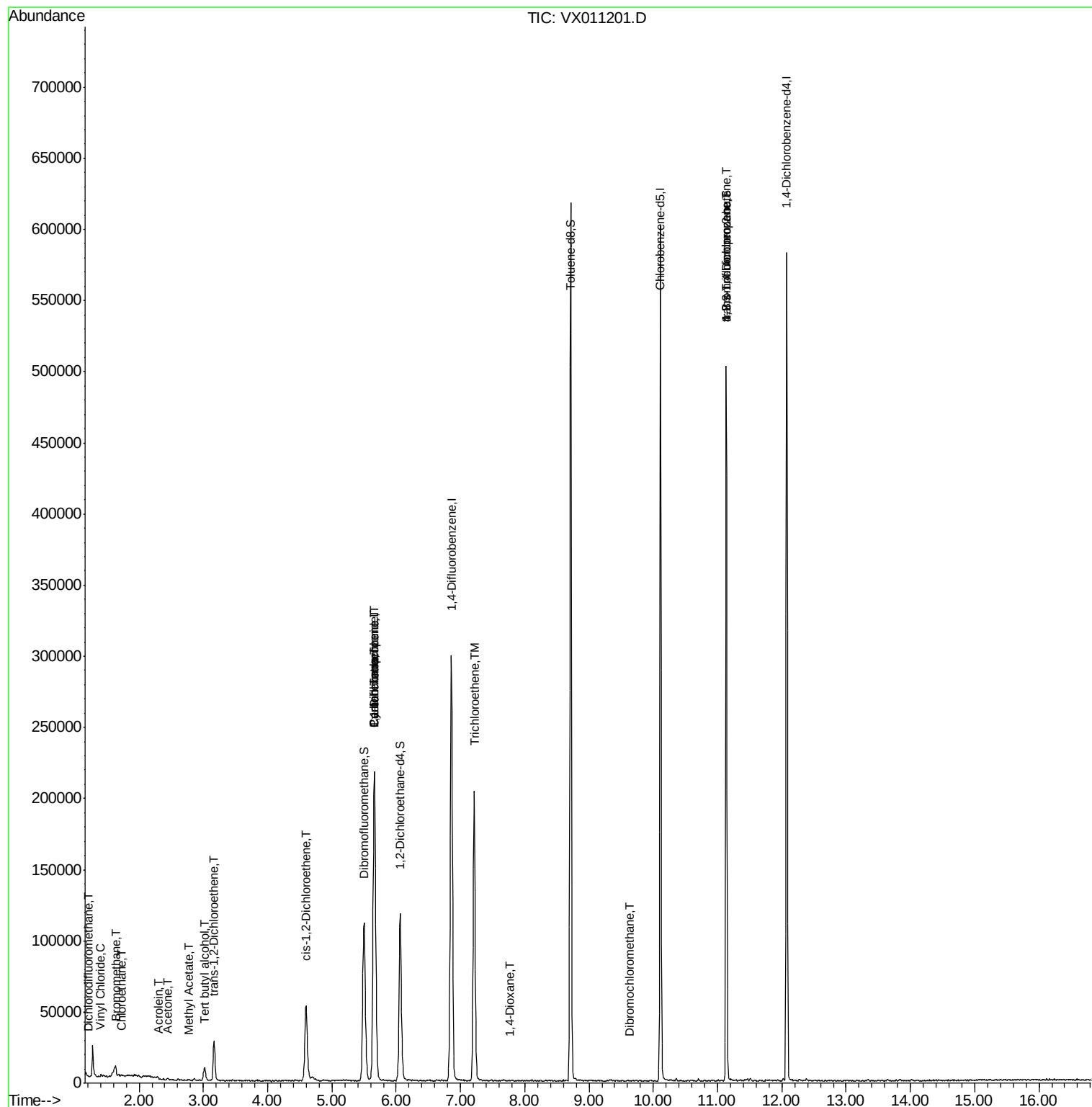
						Qvalue
2) Dichlorodifluoromethane	1.20	85	103	0.589	ug/l #	63
4) Vinyl Chloride	1.40	62	1106	0.531	ug/l #	86
5) Bromomethane	1.64	94	674	0.574	ug/l #	60
6) Chloroethane	1.72	64	267	0.202	ug/l #	41
11) Tert butyl alcohol	3.01	59	5043	9.164	ug/l #	84
13) Acrolein	2.30	56	147	0.462	ug/l	84
16) Acetone	2.45	43	1680	1.574	ug/l	91
18) Methyl Acetate	2.77	43	971	0.400	ug/l #	82
21) trans-1,2-Dichloroethene	3.17	96	12018	5.725	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	36657	15.088	ug/l	88
31) Cyclohexane	5.65	56	4113	1.282	ug/l #	14
36) 1,1-Dichloropropene	5.66	75	14727	5.663	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20851	7.695	ug/l #	18
44) Trichloroethene	7.21	130	79838	33.861	ug/l	92
49) 1,4-Dioxane	7.76	88	20	0.335	ug/l #	5
60) Dibromochloromethane	9.63	129	22	2.536	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	59728	26.187	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	59728	65.046	ug/l #	11

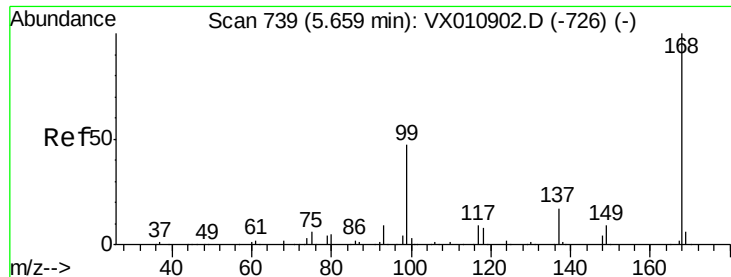
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011201.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_X

ClientSampled :

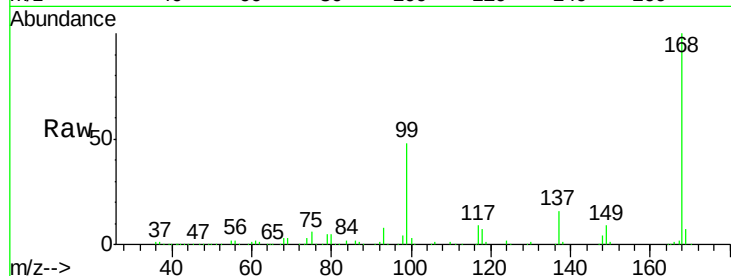
Z3-0685DL

Tgt Ion: 168 Resp: 222115

Ion Ratio Lower Upper

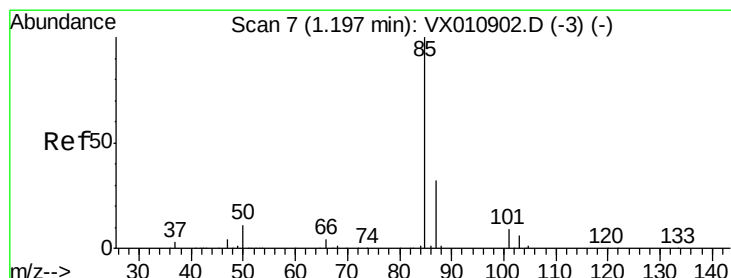
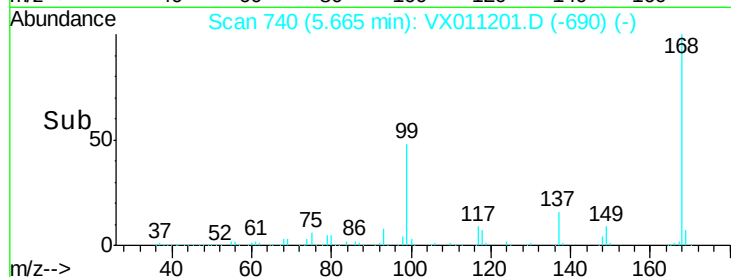
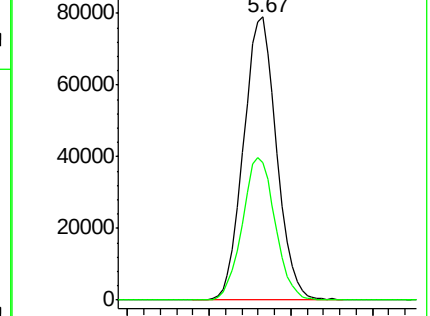
168 100

99 48.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.589 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011201.D

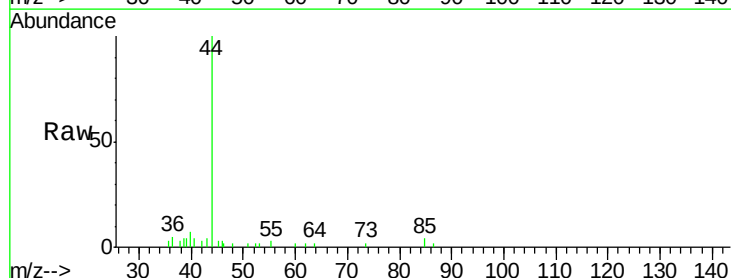
Acq: 30 Jul 2019 17:40

Tgt Ion: 85 Resp: 103

Ion Ratio Lower Upper

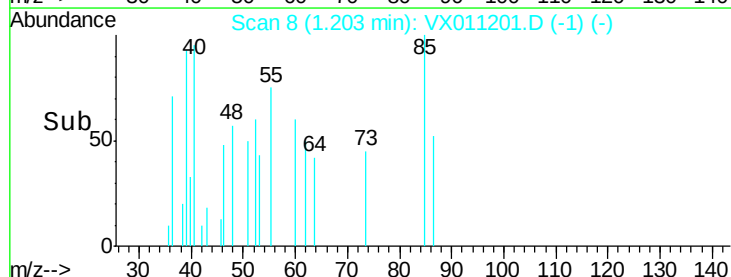
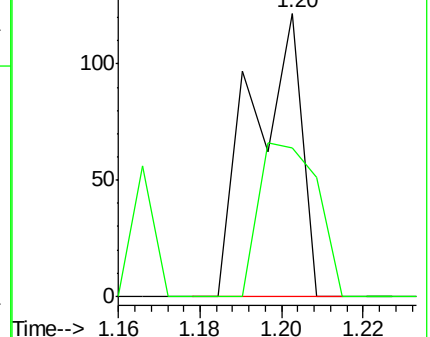
85 100

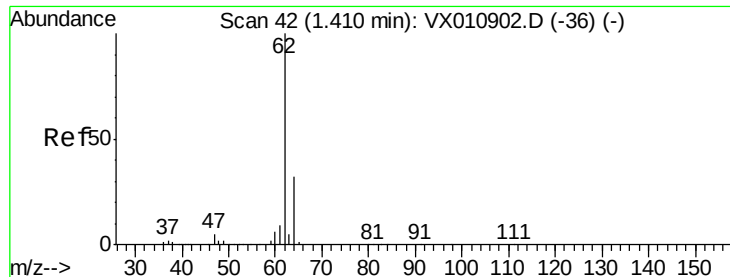
87 52.5 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 0.531 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX011201.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_X

ClientSampled :

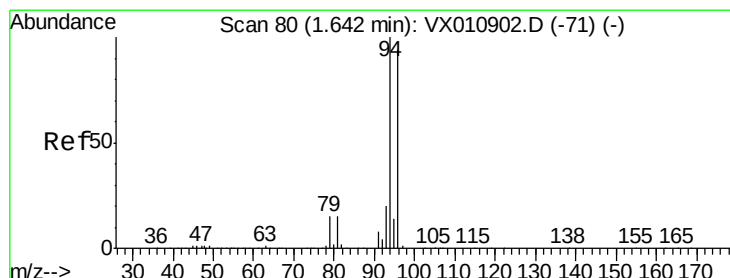
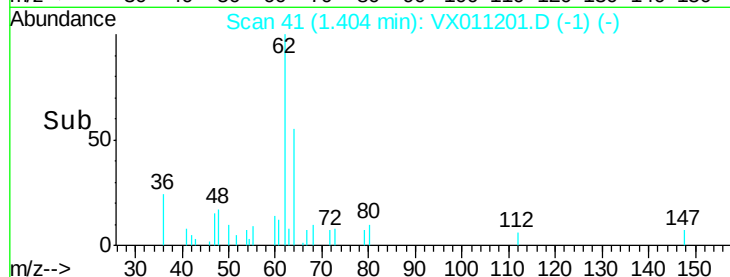
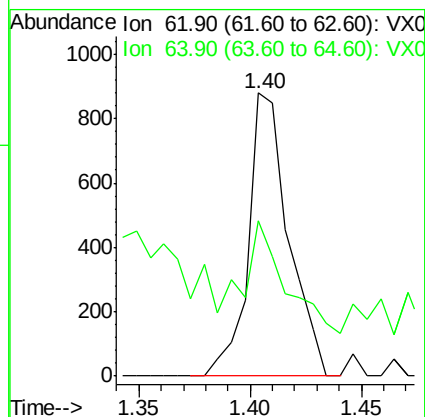
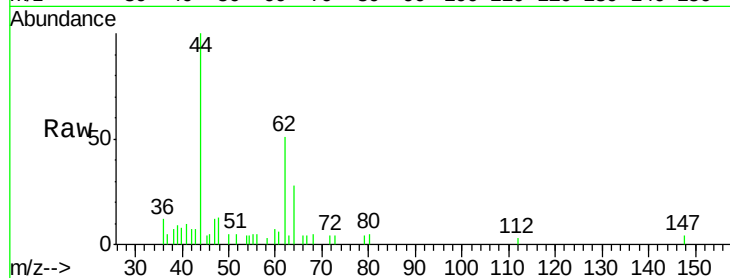
Z3-0685DL

Tgt Ion: 62 Resp: 1106

Ion Ratio Lower Upper

62 100

64 39.7 25.7 38.5#



#5

Bromomethane

Concen: 0.574 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011201.D

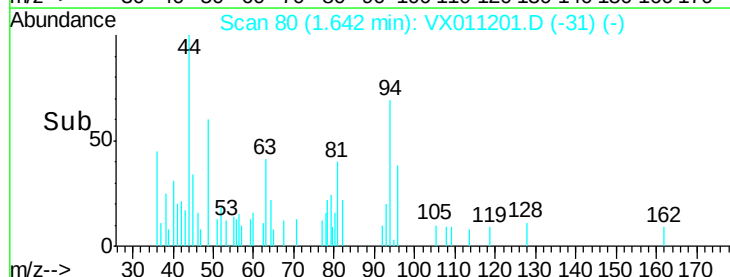
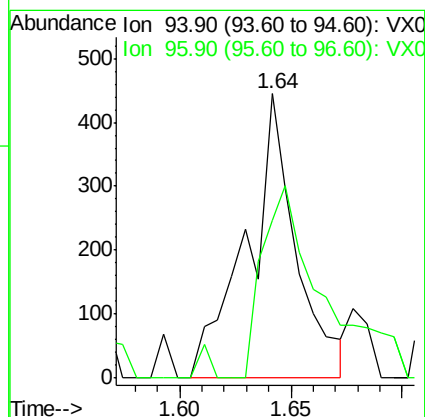
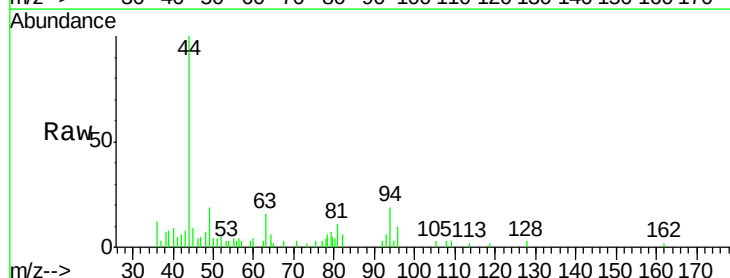
Acq: 30 Jul 2019 17:40

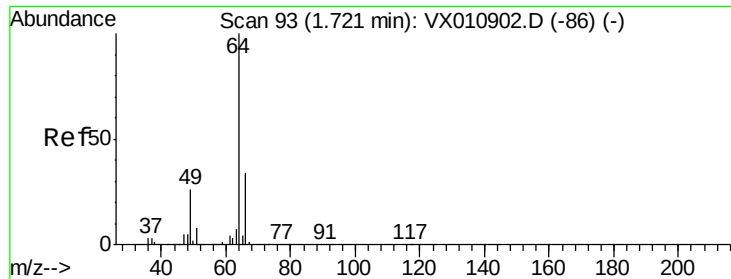
Tgt Ion: 94 Resp: 674

Ion Ratio Lower Upper

94 100

96 55.5 75.6 113.4#





#6

Chloroethane

Concen: 0.202 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX011201.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_X

ClientSampled :

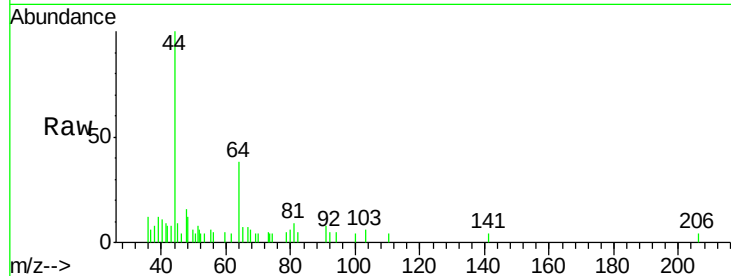
Z3-0685DL

Tgt Ion: 64 Resp: 267

Ion Ratio Lower Upper

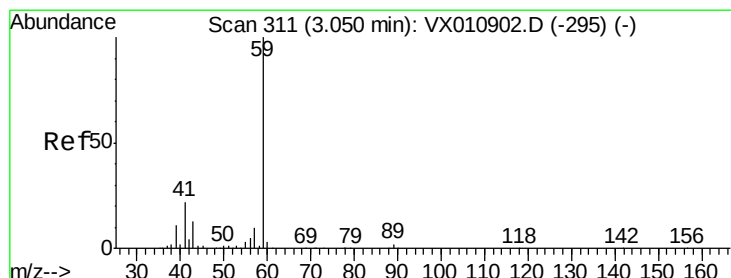
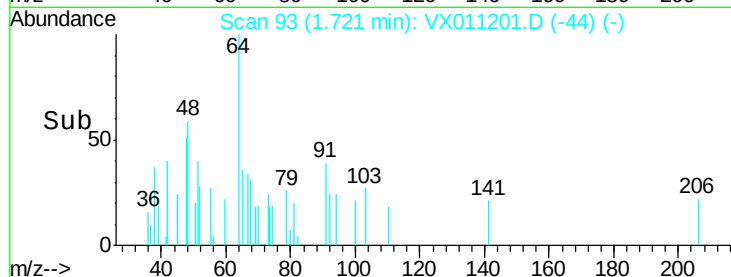
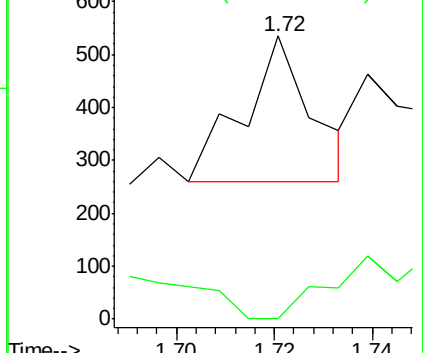
64 100

66 0.0 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 9.164 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX011201.D

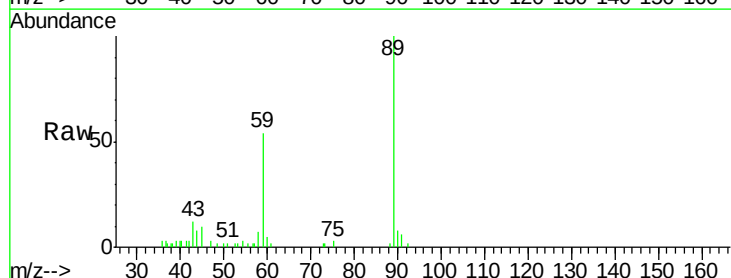
Acq: 30 Jul 2019 17:40

Tgt Ion: 59 Resp: 5043

Ion Ratio Lower Upper

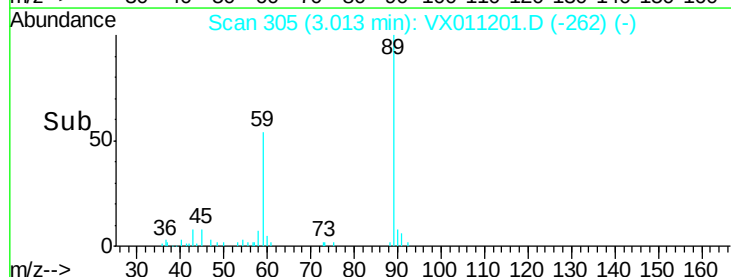
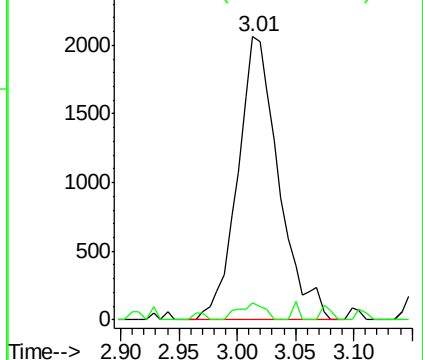
59 100

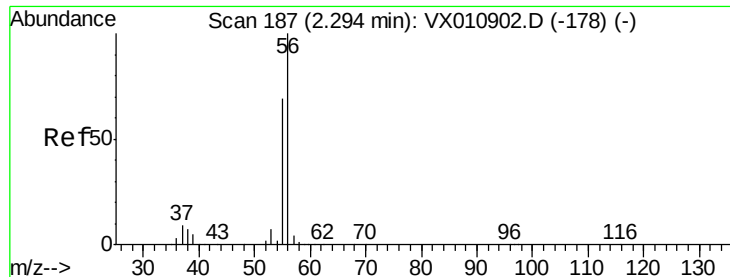
57 3.8 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.462 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX011201.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_X

ClientSampled :

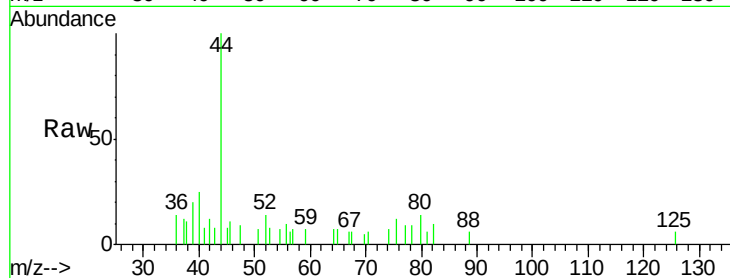
Z3-0685DL

Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

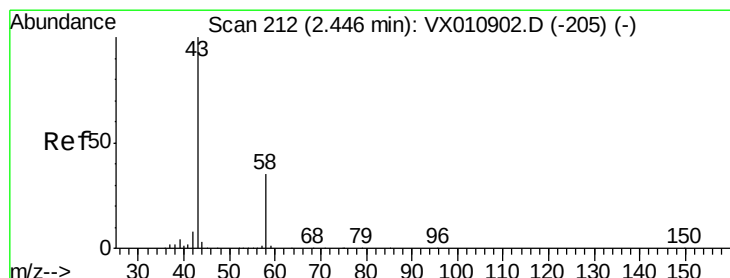
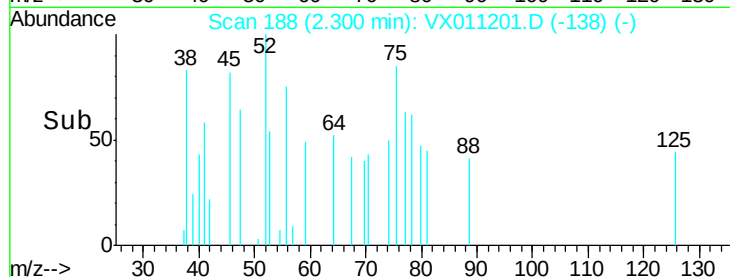
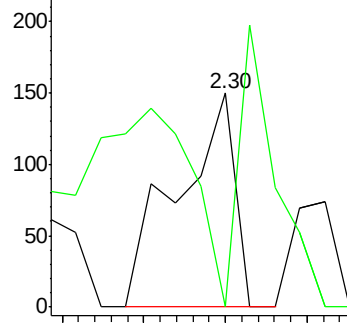
56 100

55 83.0 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.574 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011201.D

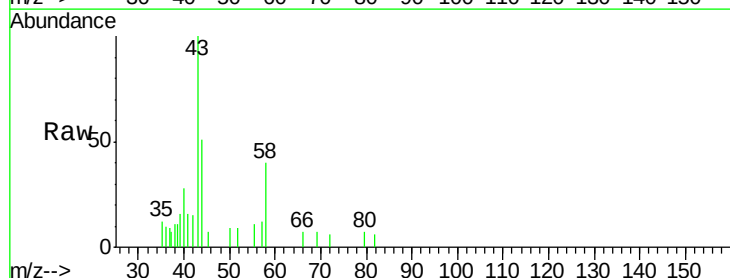
Acq: 30 Jul 2019 17:40

Tgt Ion: 43 Resp: 1680

Ion Ratio Lower Upper

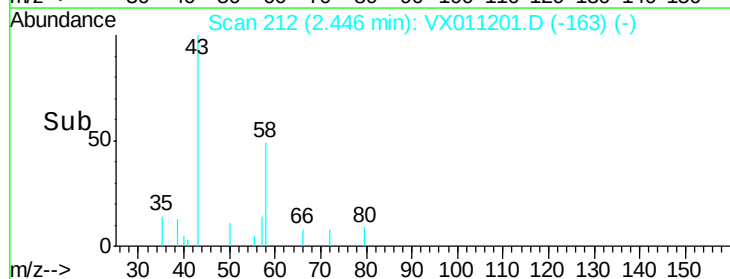
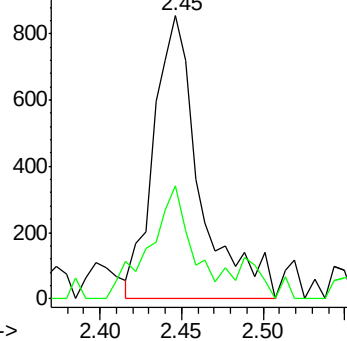
43 100

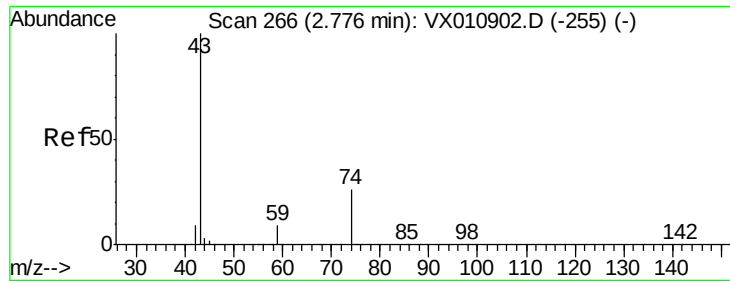
58 40.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

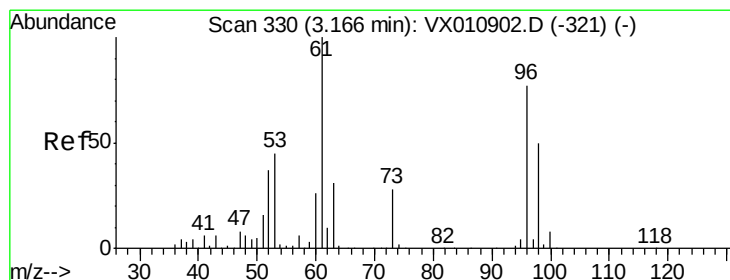
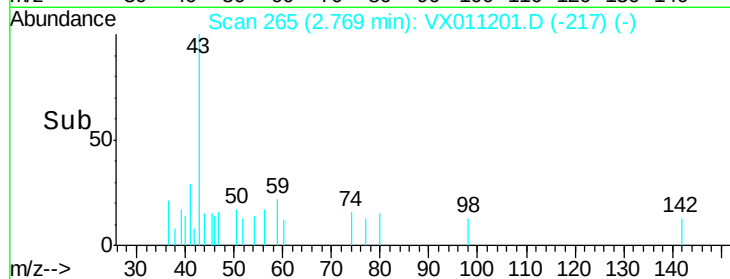
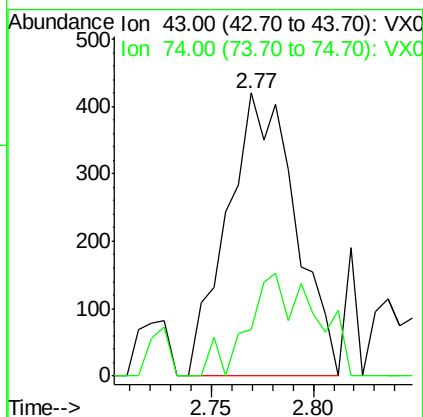
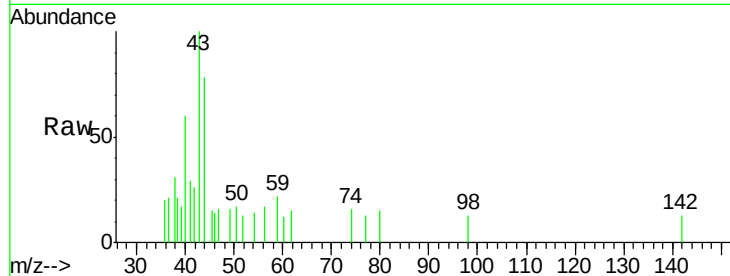




#18
Methyl Acetate
Concen: 0.400 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX011201.D
Acq: 30 Jul 2019 17:40

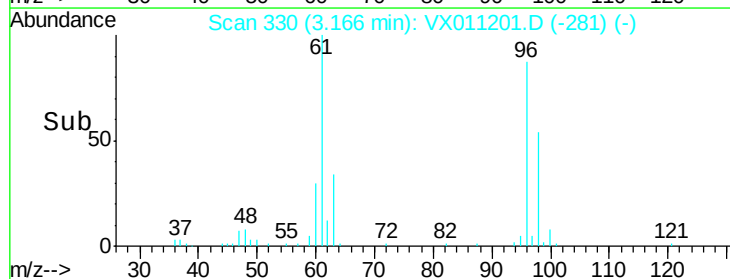
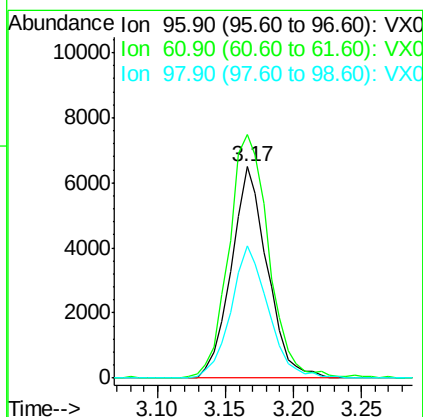
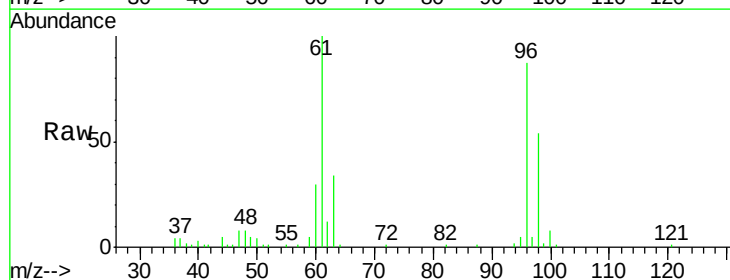
Instrument :
MSVOA_X
ClientSampleId :
Z3-0685DL

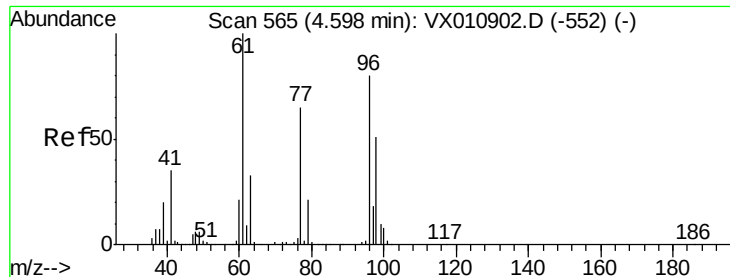
Tgt Ion: 43 Resp: 971
Ion Ratio Lower Upper
43 100
74 36.1 21.5 32.3#



#21
trans-1,2-Dichloroethene
Concen: 5.725 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011201.D
Acq: 30 Jul 2019 17:40

Tgt Ion: 96 Resp: 12018
Ion Ratio Lower Upper
96 100
61 114.6 104.2 156.2
98 62.5 52.2 78.4



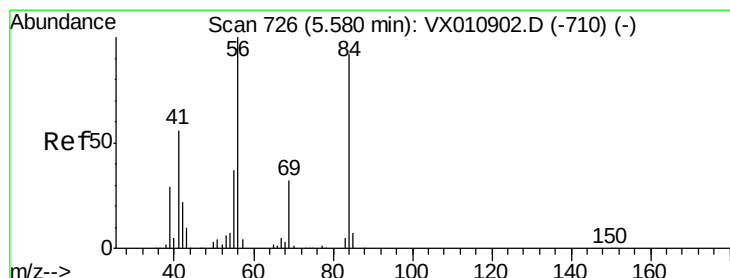
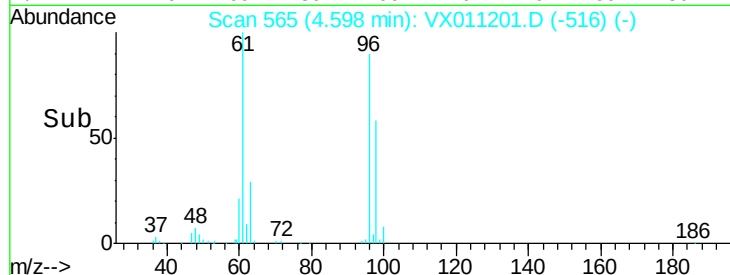
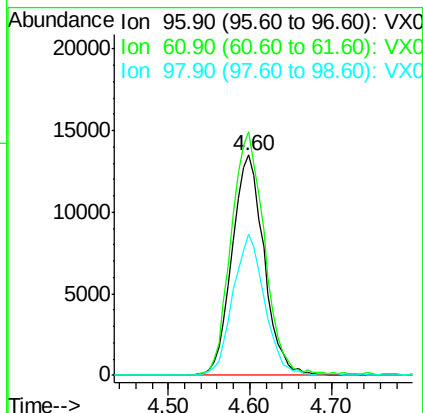
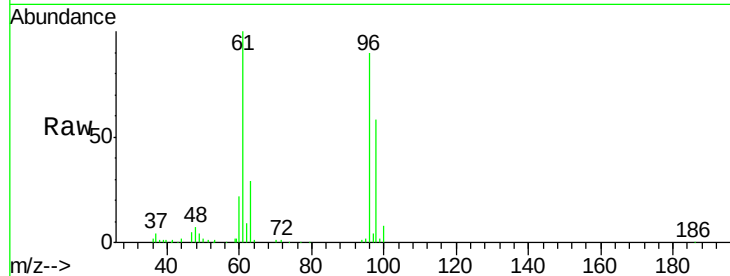


#27

cis-1,2-Dichloroethene
 Concen: 15.088 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX011201.D
 Acq: 30 Jul 2019 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0685DL

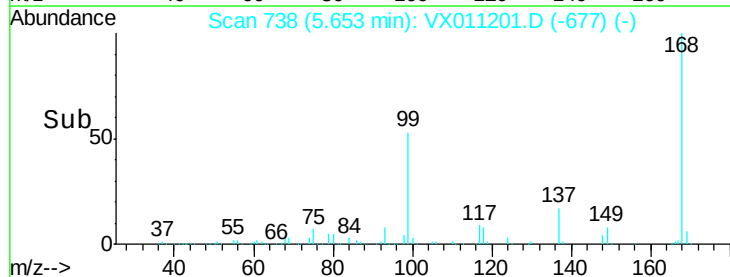
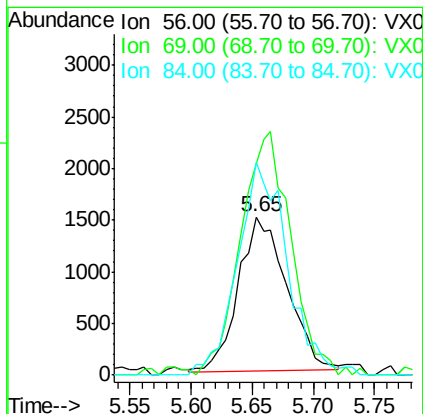
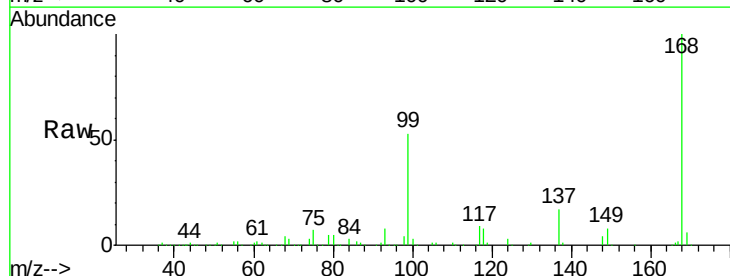
Tgt Ion: 96 Resp: 36657
 Ion Ratio Lower Upper
 96 100
 61 114.9 0.0 269.0
 98 62.9 0.0 131.4

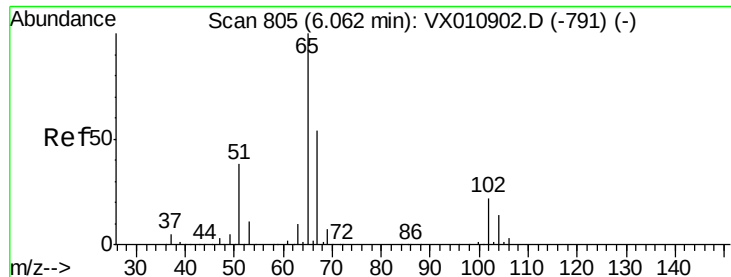


#31

Cyclohexane
 Concen: 1.282 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. 0.07 min
 Lab File: VX011201.D
 Acq: 30 Jul 2019 17:40

Tgt Ion: 56 Resp: 4113
 Ion Ratio Lower Upper
 56 100
 69 138.5 25.8 38.8#
 84 139.4 73.8 110.6#

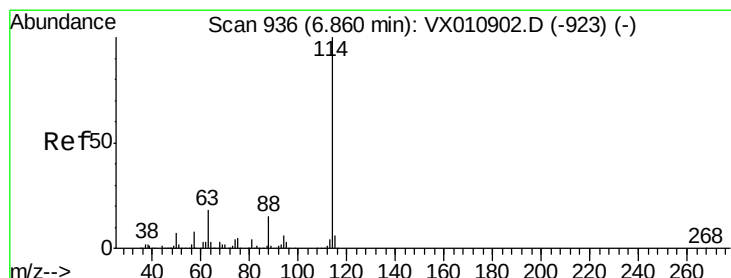
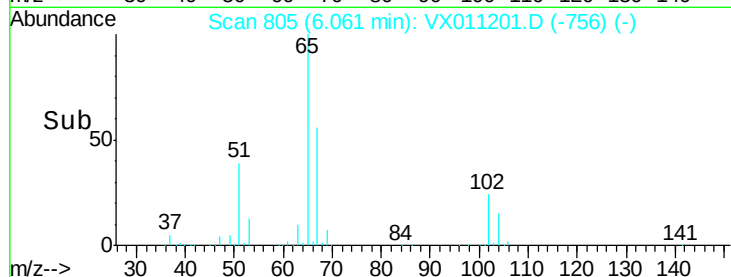
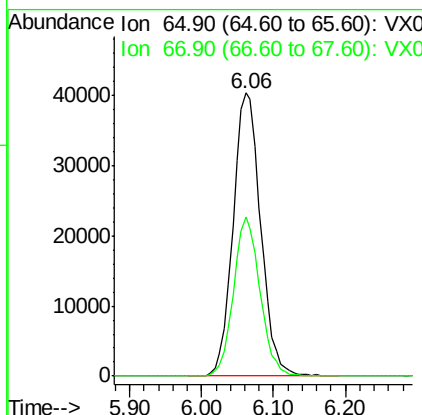
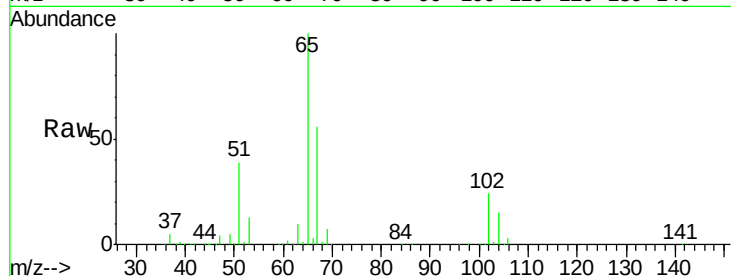




#33
 1,2-Dichloroethane-d4
 Concen: 45.450 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011201.D
 Acq: 30 Jul 2019 17:40

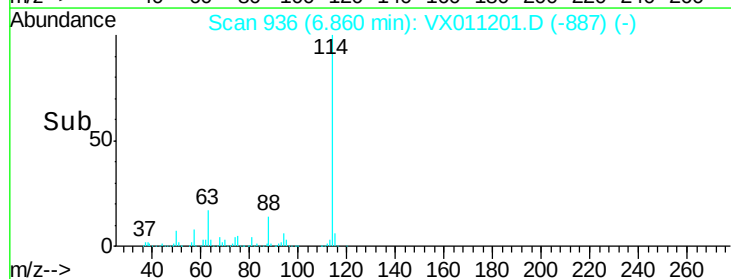
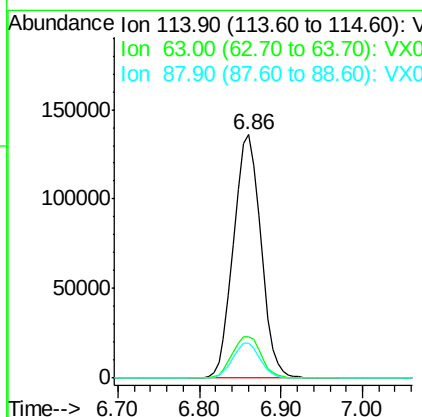
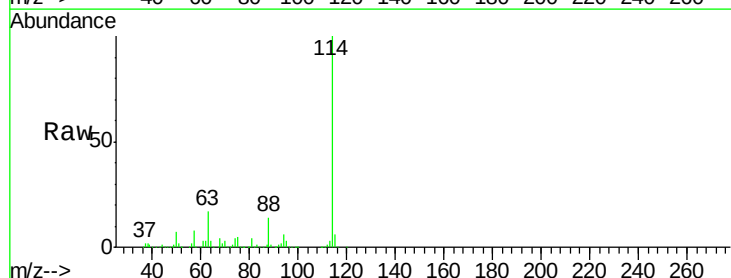
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0685DL

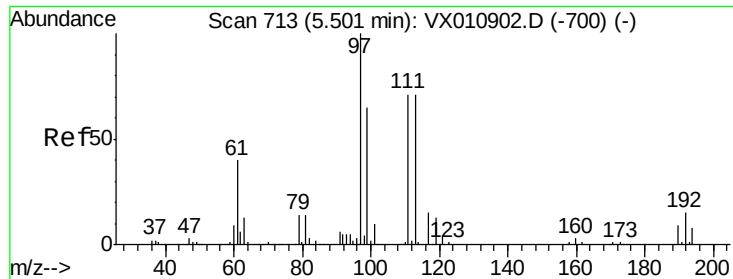
Tgt Ion: 65 Resp: 107396
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011201.D
 Acq: 30 Jul 2019 17:40

Tgt Ion: 114 Resp: 316578
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.6
 88 14.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 46.503 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011201.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

Z3-0685DL

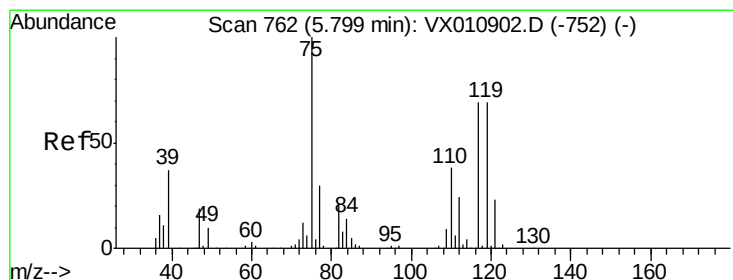
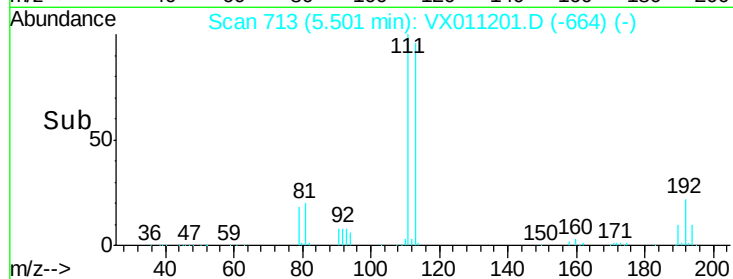
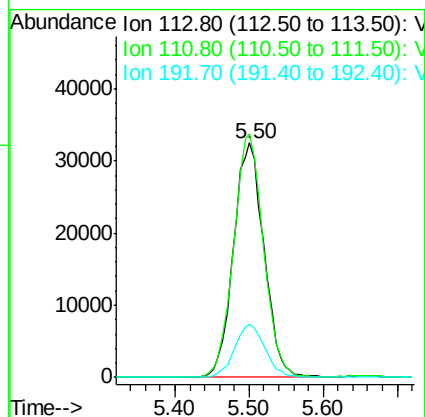
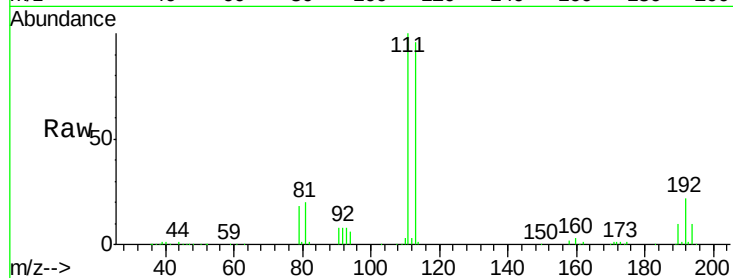
Tgt Ion:113 Resp: 93443

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

192 22.7 17.4 26.2



#36

1,1-Dichloropropene

Concen: 5.663 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011201.D

Acq: 30 Jul 2019 17:40

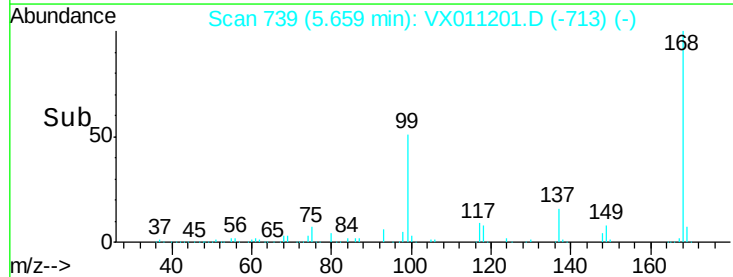
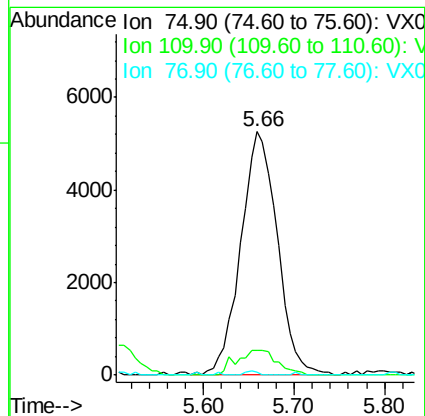
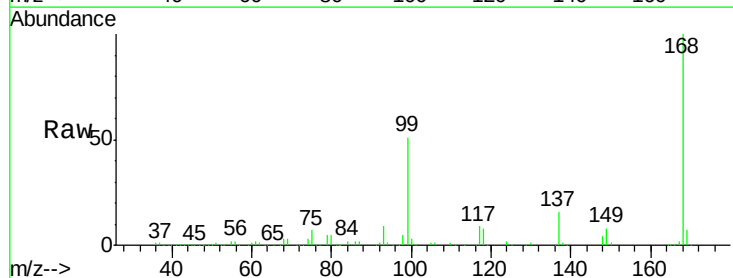
Tgt Ion: 75 Resp: 14727

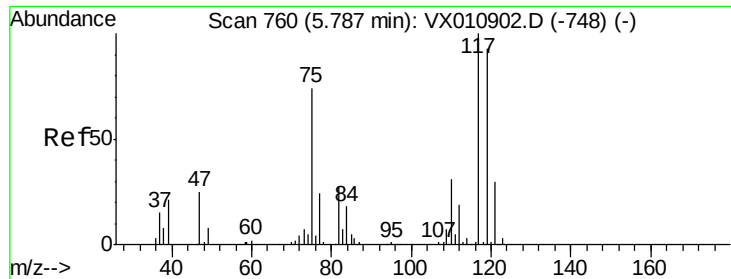
Ion Ratio Lower Upper

75 100

110 11.3 19.9 59.7#

77 0.6 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.695 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011201.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

Z3-0685DL

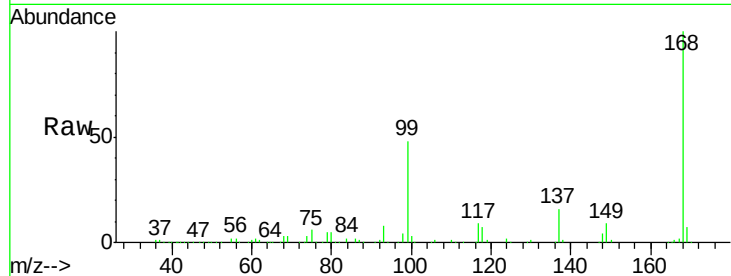
Tgt Ion:117 Resp: 20851

Ion Ratio Lower Upper

117 100

119 5.4 74.2 111.2#

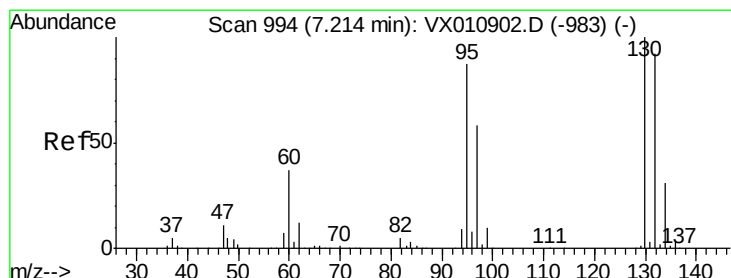
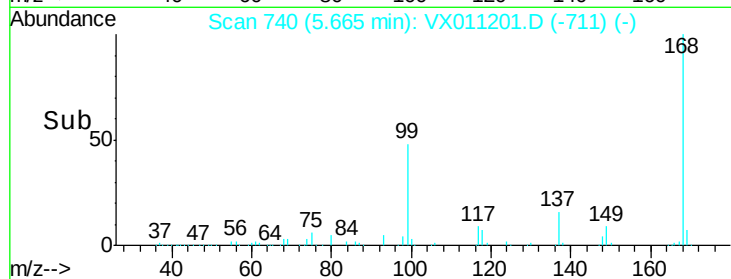
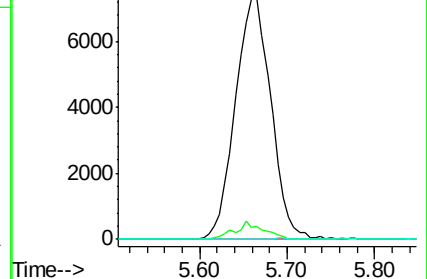
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 33.861 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX011201.D

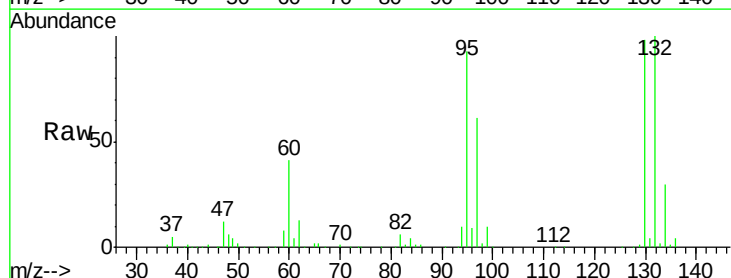
Acq: 30 Jul 2019 17:40

Tgt Ion:130 Resp: 79838

Ion Ratio Lower Upper

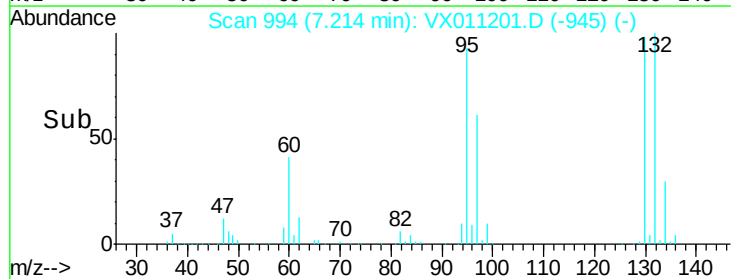
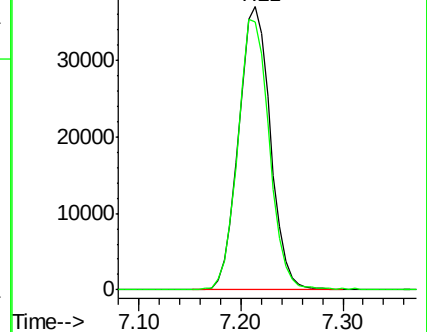
130 100

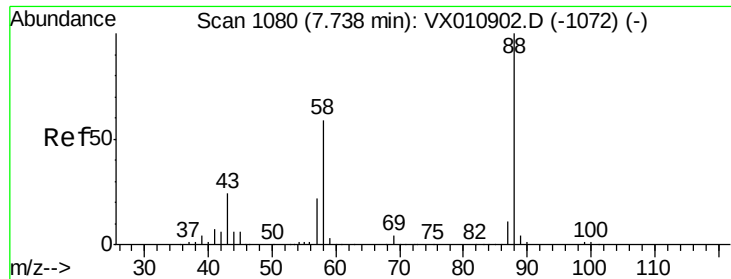
95 94.8 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

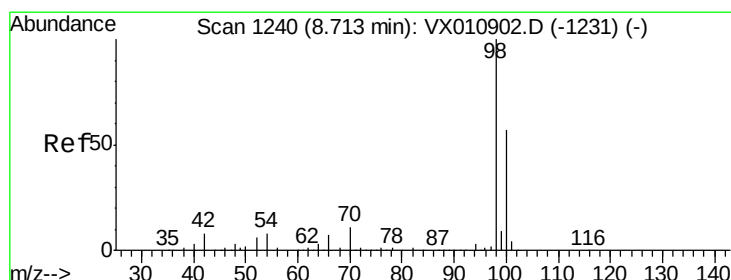
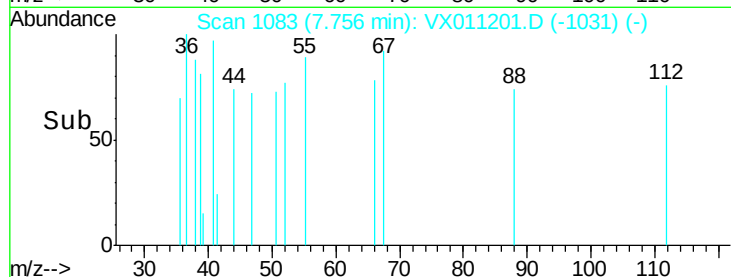
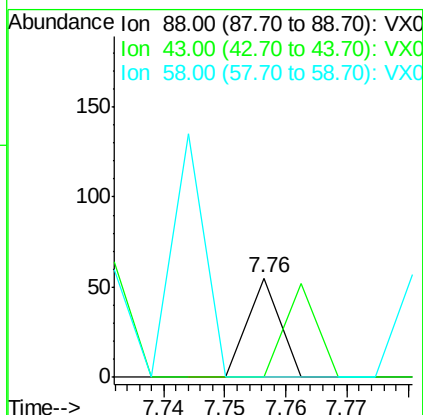
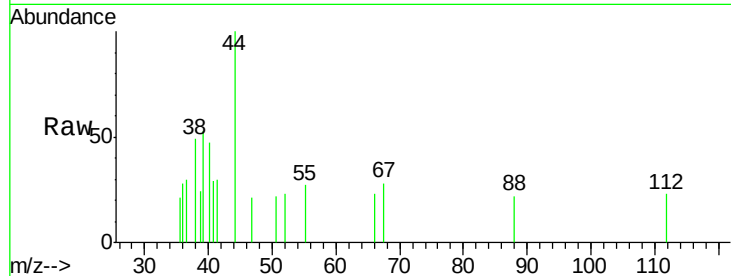




#49
1,4-Dioxane
Concen: 0.335 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX011201.D
Acq: 30 Jul 2019 17:40

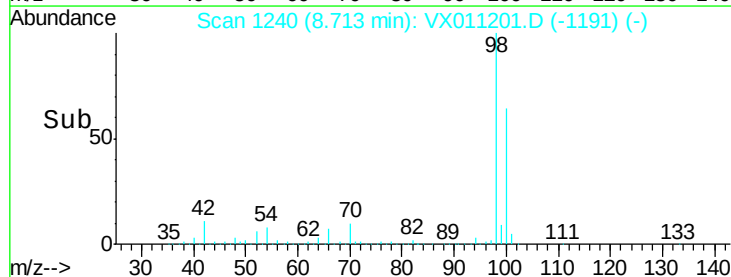
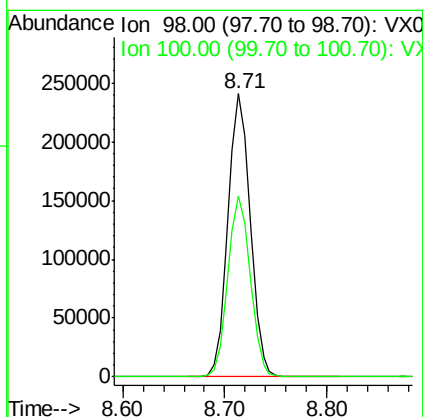
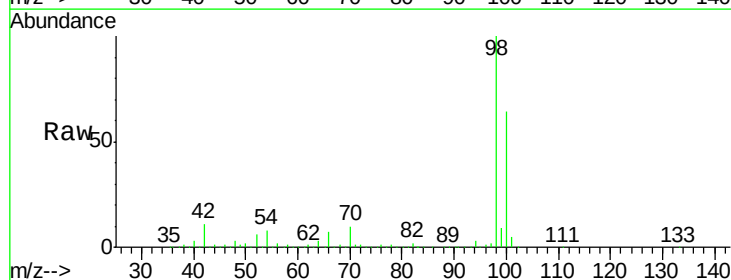
Instrument :
MSVOA_X
ClientSampleId :
Z3-0685DL

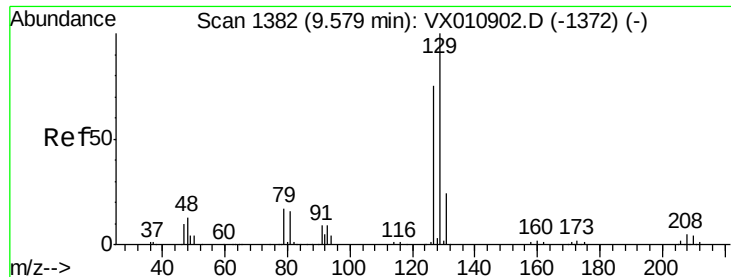
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 95.0 22.9 34.3#
58 0.0 49.8 74.8#



#50
Toluene-d8
Concen: 48.282 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011201.D
Acq: 30 Jul 2019 17:40

Tgt Ion: 98 Resp: 363874
Ion Ratio Lower Upper
98 100
100 64.2 50.6 75.8





#60

Dibromochloromethane

Concen: 2.536 ug/l

RT: 9.63 min Scan# 1390

Delta R.T. 0.05 min

Lab File: VX011201.D

Acq: 30 Jul 2019 17:40

Instrument :

MSVOA_X

ClientSampleId :

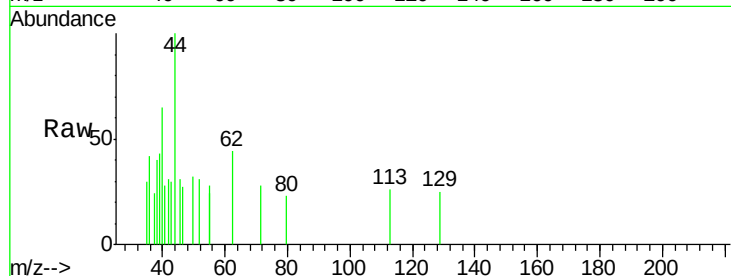
Z3-0685DL

Tgt Ion:129 Resp: 22

Ion Ratio Lower Upper

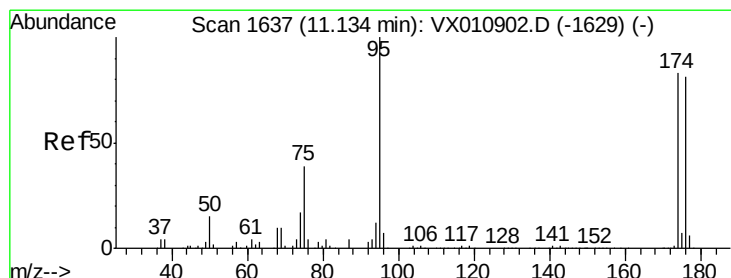
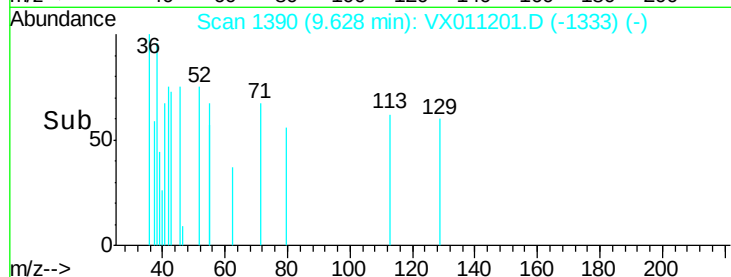
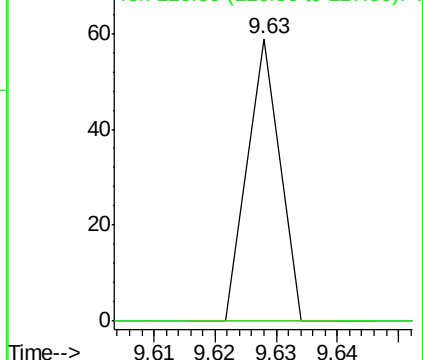
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 42.863 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011201.D

Acq: 30 Jul 2019 17:40

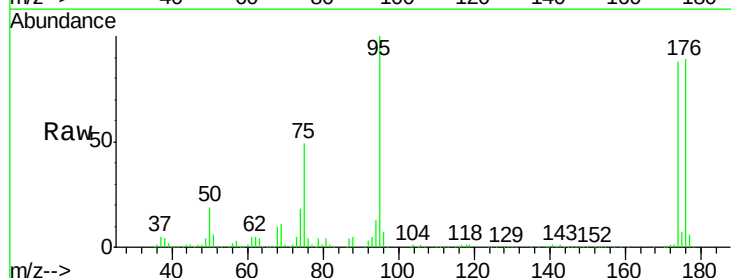
Tgt Ion: 95 Resp: 118739

Ion Ratio Lower Upper

95 100

174 92.8 0.0 180.6

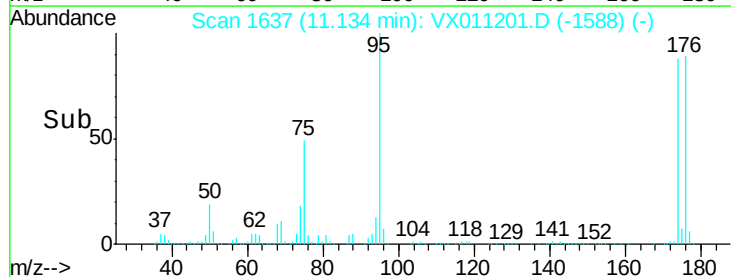
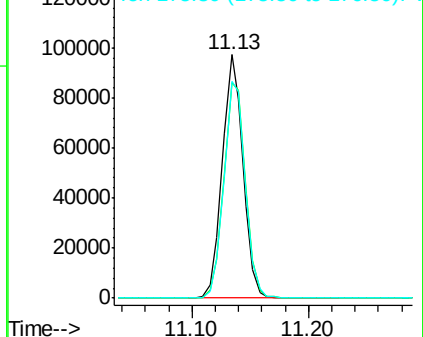
176 91.8 0.0 173.8

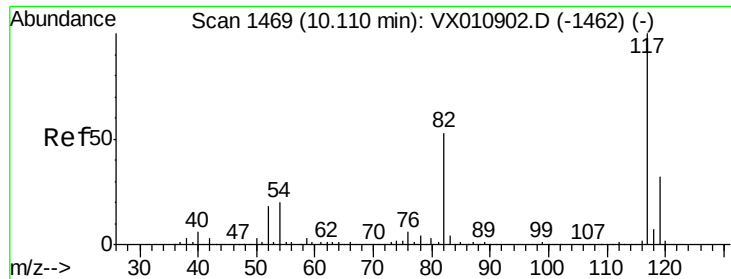


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

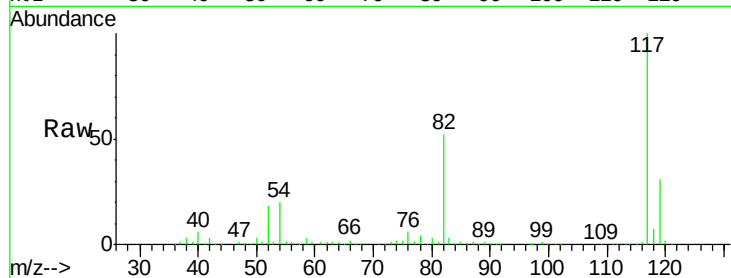




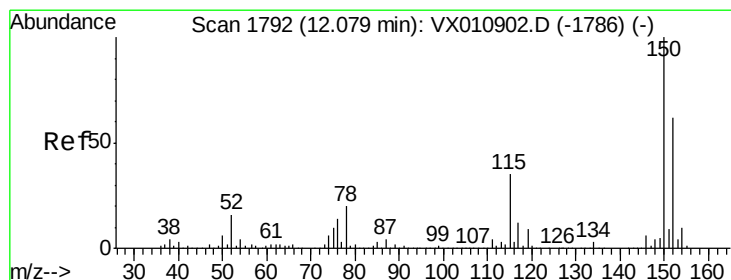
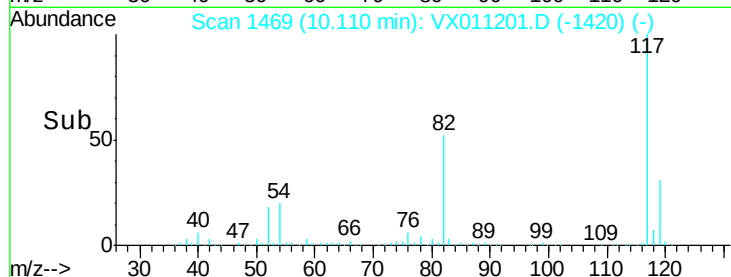
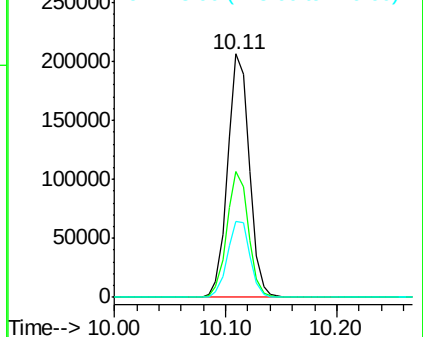
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011201.D
Acq: 30 Jul 2019 17:40

Instrument :
MSVOA_X
ClientSampled :
Z3-0685DL

Tgt Ion:117 Resp: 277783
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 31.0 25.9 38.9

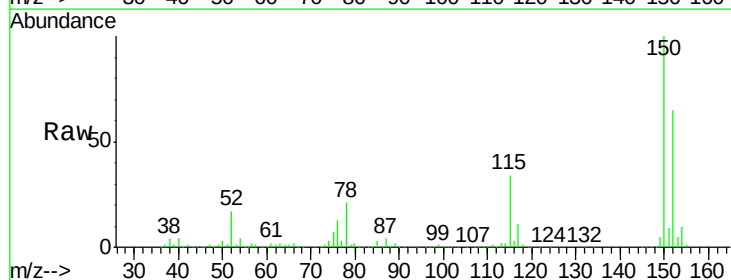


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

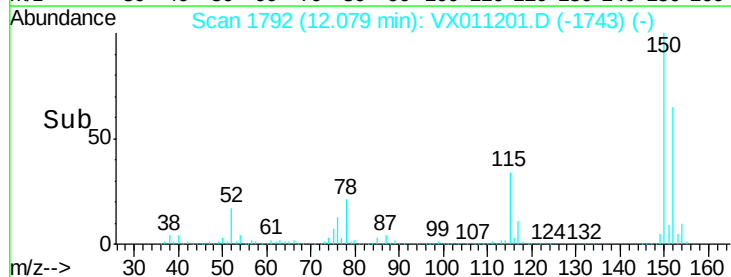
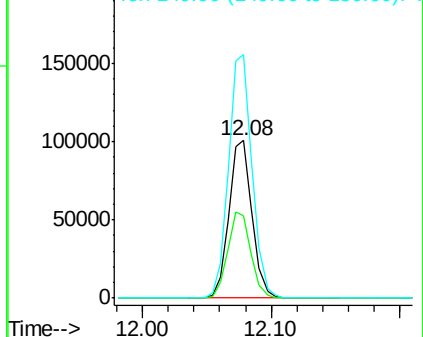


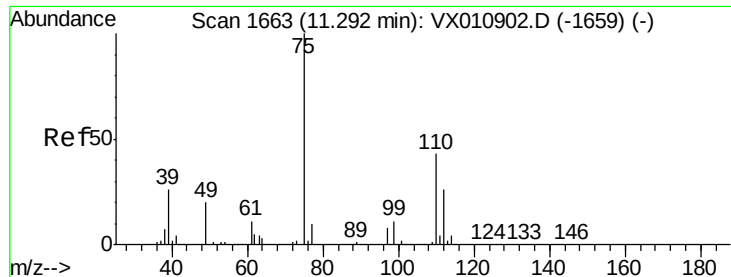
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011201.D
Acq: 30 Jul 2019 17:40

Tgt Ion:152 Resp: 126391
Ion Ratio Lower Upper
152 100
115 55.2 39.7 119.1
150 157.5 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

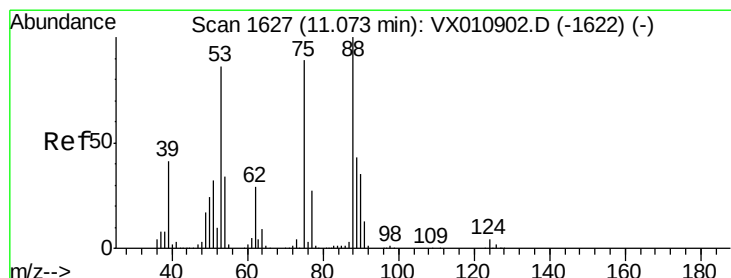
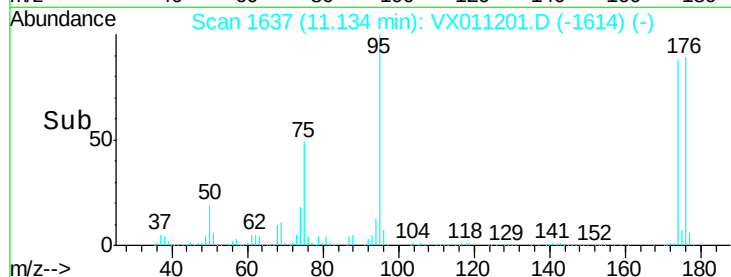
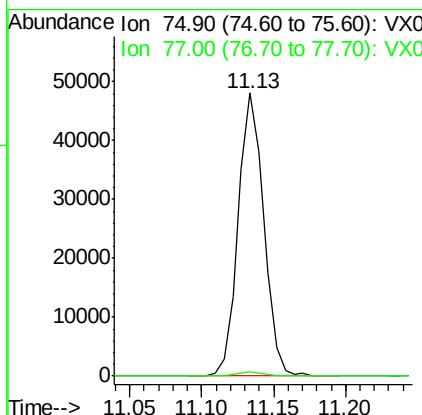
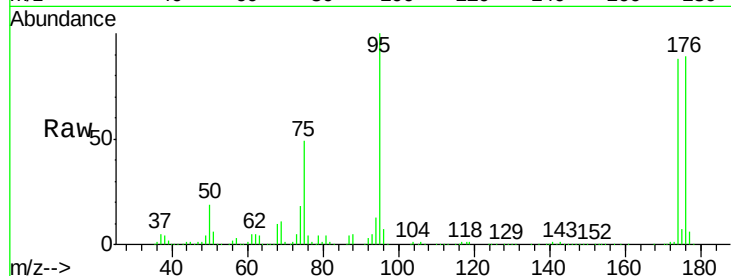




#76
 1,2,3-Trichloropropane
 Concen: 26.187 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011201.D
 Acq: 30 Jul 2019 17:40

Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0685DL

Tgt Ion: 75 Resp: 59728
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.046 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011201.D
 Acq: 30 Jul 2019 17:40

Tgt Ion: 75 Resp: 59728
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.7 115.1#
 89 0.0 38.5 57.7#

