

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
 Data File : VX011080.D
 Acq On : 26 Jul 2019 10:53
 Operator : JC/SP
 Sample : VX0726WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBL01

Quant Time: Jul 27 02:00:00 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	205556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	323534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	296114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138656	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	111235	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
35) Dibromofluoromethane	5.49	113	102264	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	8.71	98	386790	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.13	95	136641	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	

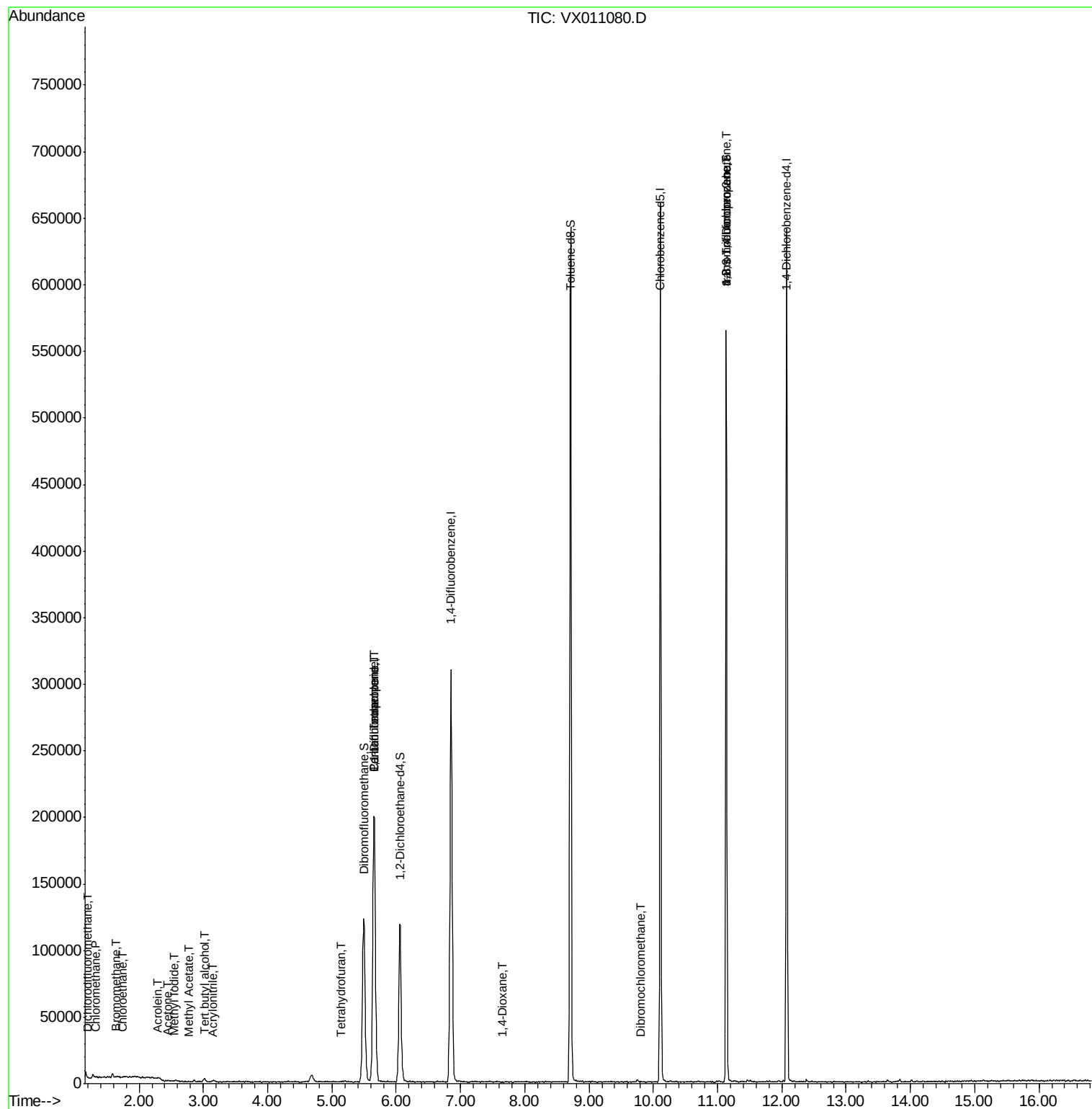
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	48	0.568	ug/l #	18
3) Chloromethane	1.32	50	540	0.286	ug/l #	68
5) Bromomethane	1.65	94	716	0.659	ug/l	95
6) Chloroethane	1.74	64	361	0.295	ug/l #	75
10) Methyl Iodide	2.53	142	697	0.285	ug/l #	77
11) Tert butyl alcohol	3.02	59	1588	3.118	ug/l #	77
13) Acrolein	2.29	56	96	0.326	ug/l #	15
15) Acrylonitrile	3.15	53	393	0.382	ug/l	88
16) Acetone	2.45	43	416	0.421	ug/l #	49
18) Methyl Acetate	2.76	43	583	0.259	ug/l #	48
29) Tetrahydrofuran	5.14	42	363	0.404	ug/l #	33
36) 1,1-Dichloropropene	5.65	75	13769	5.181	ug/l #	48
38) Carbon Tetrachloride	5.65	117	18758	6.774	ug/l #	20
49) 1,4-Dioxane	7.65	88	67	1.099	ug/l #	53
60) Dibromochloromethane	9.79	129	18	2.535	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	67836	27.111	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	67836	67.201	ug/l #	11

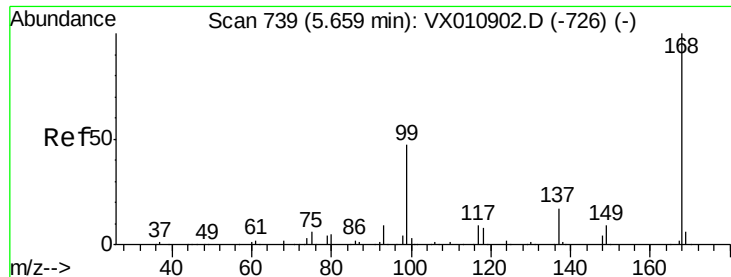
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

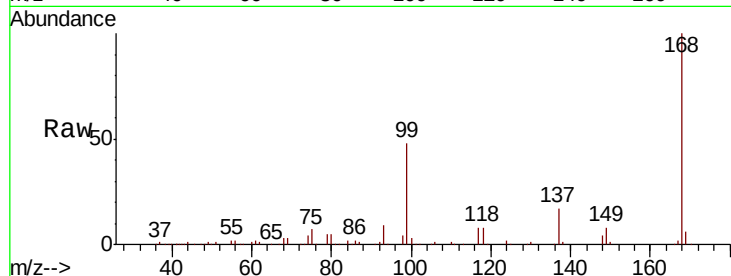
VX0726WBL01

Tot Ion:168 Resp: 205556

Ion Ratio Lower Upper

168 100

99 48.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

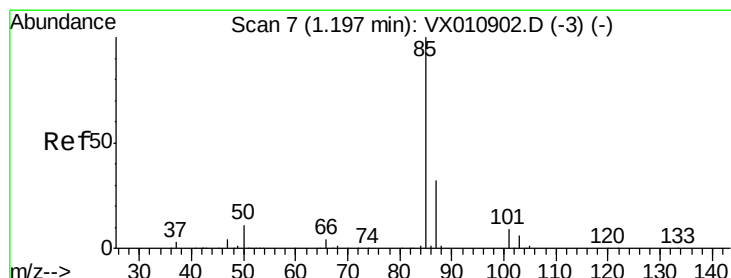
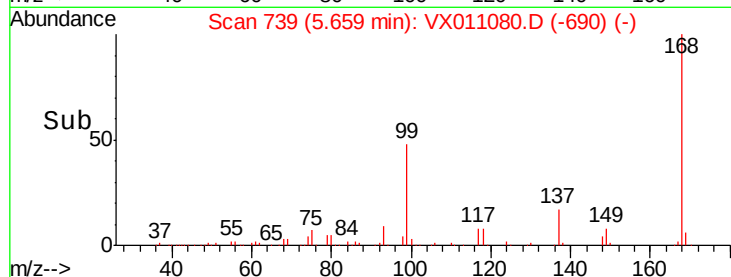
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.568 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011080.D

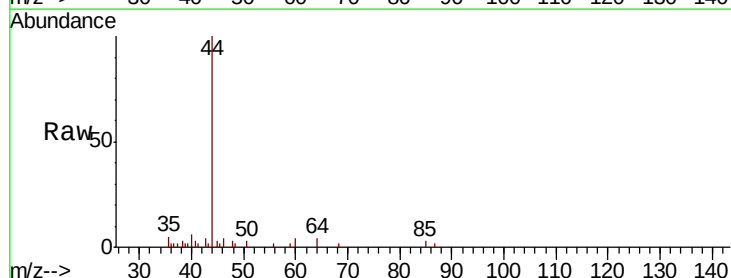
Acq: 26 Jul 2019 10:53

Tgt Ion: 85 Resp: 48

Ion Ratio Lower Upper

85 100

87 77.3 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80

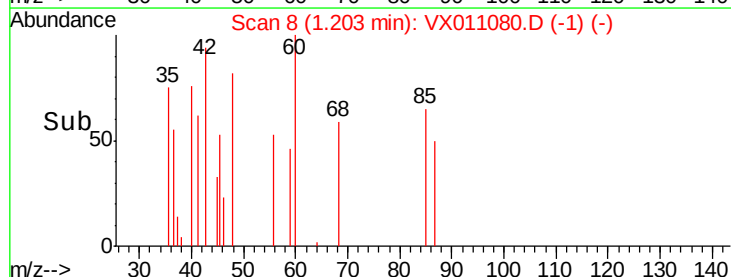
60

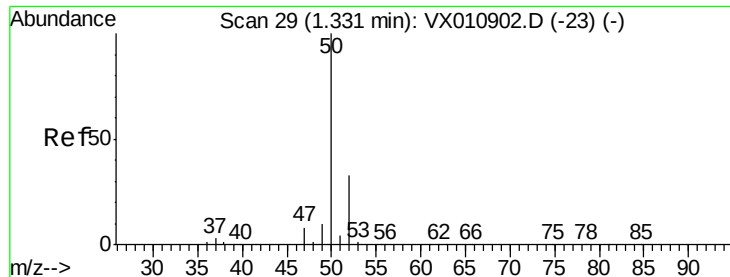
40

20

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.286 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

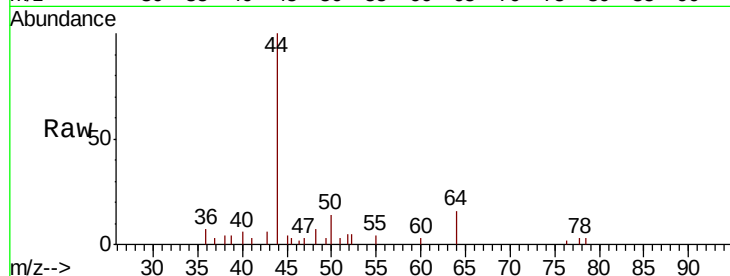
VX0726WBL01

Tot Ion: 50 Resp: 540

Ion Ratio Lower Upper

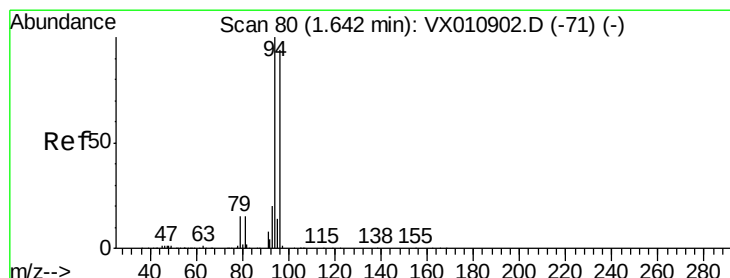
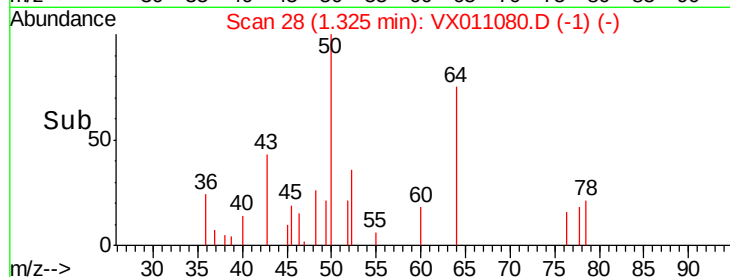
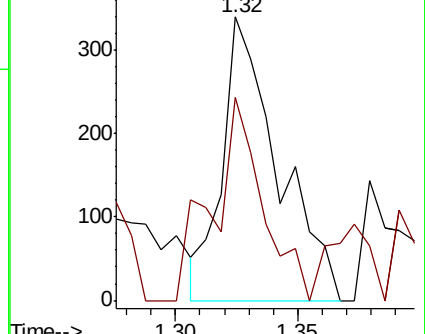
50 100

52 51.2 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.659 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011080.D

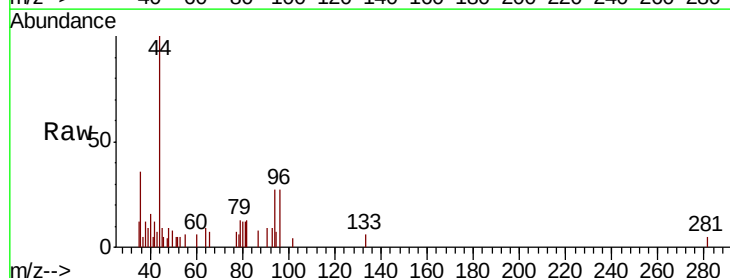
Acq: 26 Jul 2019 10:53

Tgt Ion: 94 Resp: 716

Ion Ratio Lower Upper

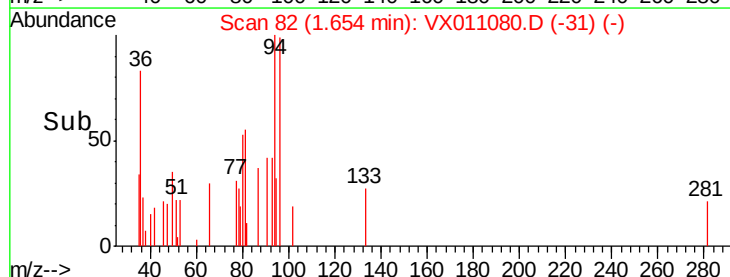
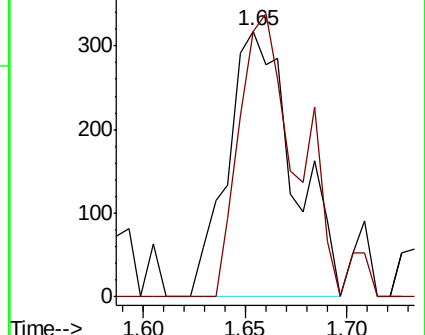
94 100

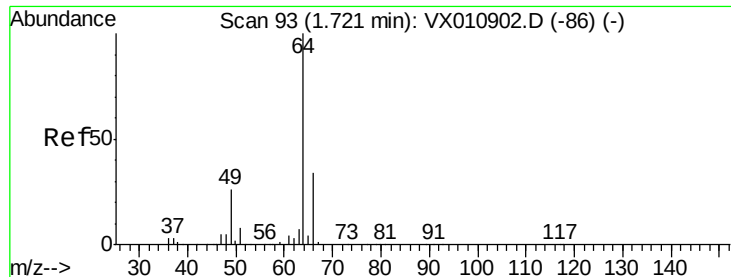
96 99.7 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.295 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampled :

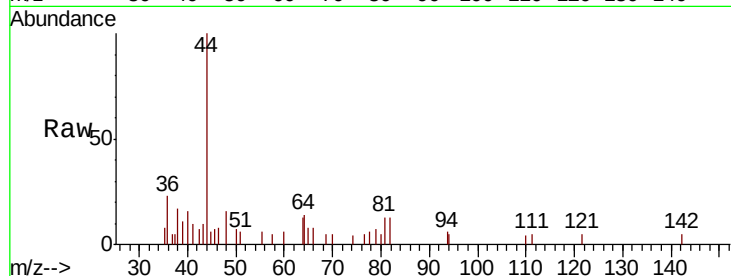
VX0726WBL01

Tot Ion: 64 Resp: 361

Ion Ratio Lower Upper

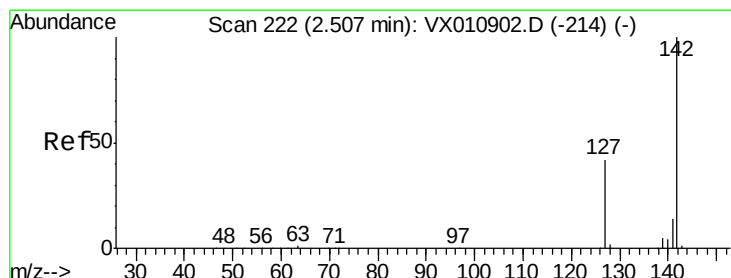
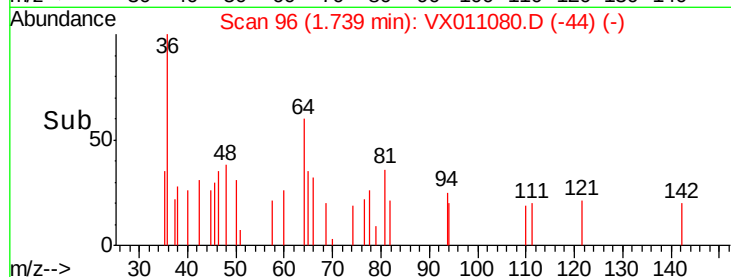
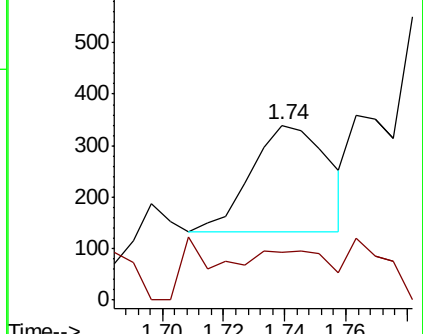
64 100

66 19.4 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.285 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.02 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

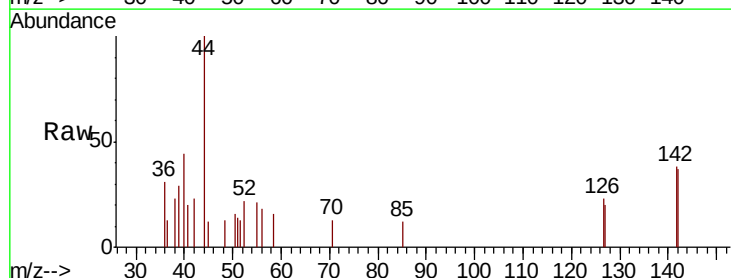
Tgt Ion: 142 Resp: 697

Ion Ratio Lower Upper

142 100

127 57.8 34.2 51.4#

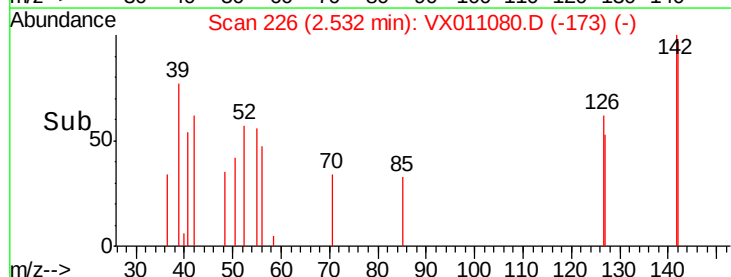
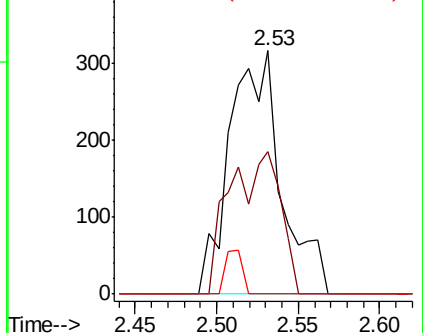
141 5.9 11.7 17.5#

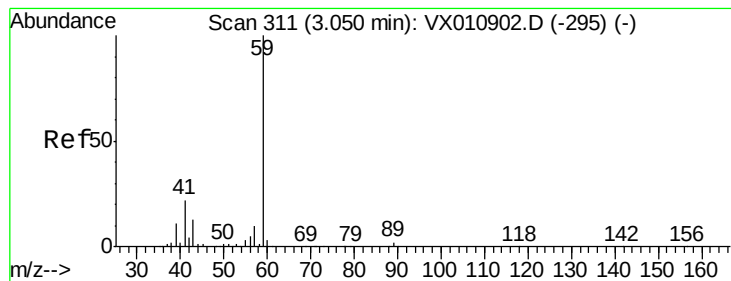


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



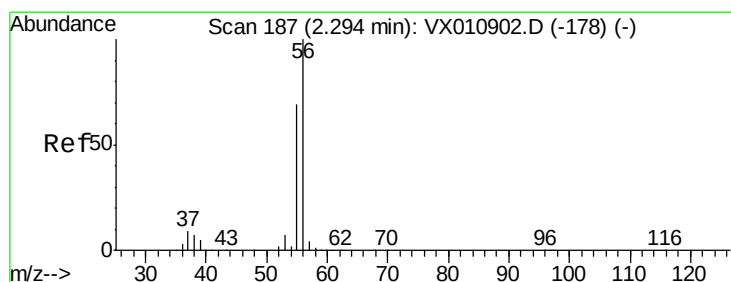
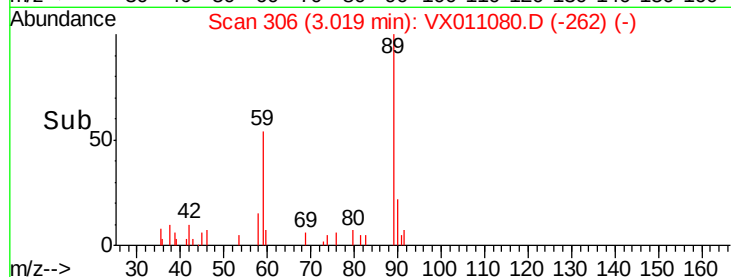
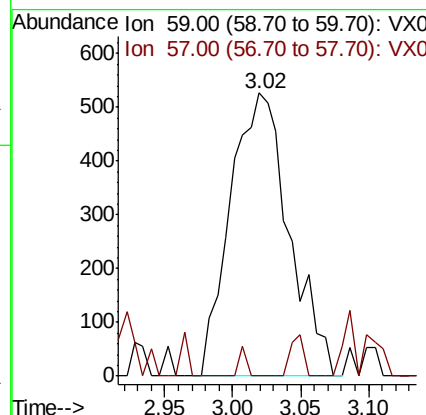
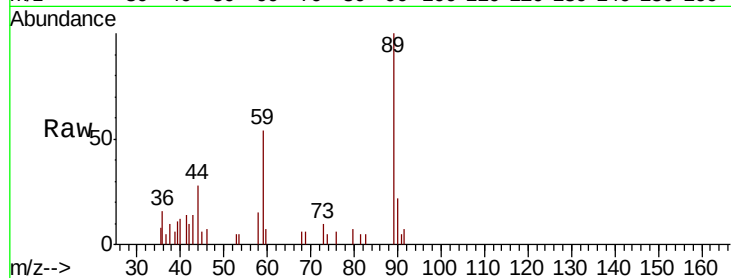


#11

Tert butyl alcohol
Concen: 3.118 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX011080.D
Acq: 26 Jul 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBL01

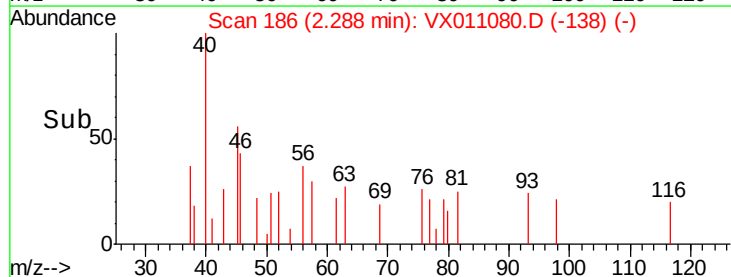
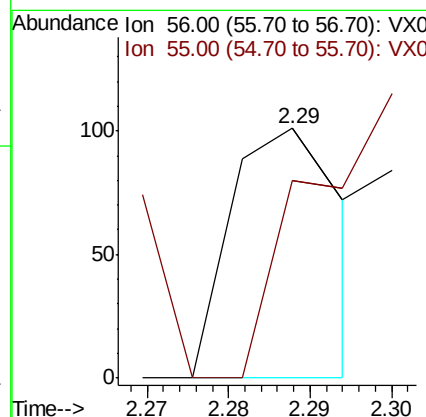
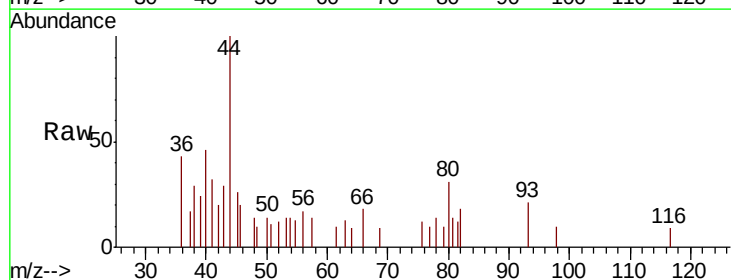
Tot Ion: 59 Resp: 1588
Ion Ratio Lower Upper
59 100
57 1.3 7.9 11.9#

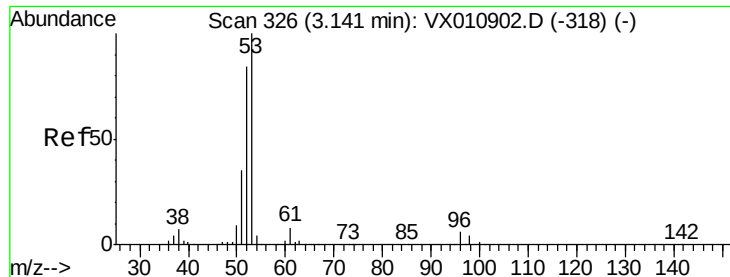


#13

Acrolein
Concen: 0.326 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX011080.D
Acq: 26 Jul 2019 10:53

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 55.9 83.9#





#15

Acrylonitrile

Concen: 0.382 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampled :

VX0726WBL01

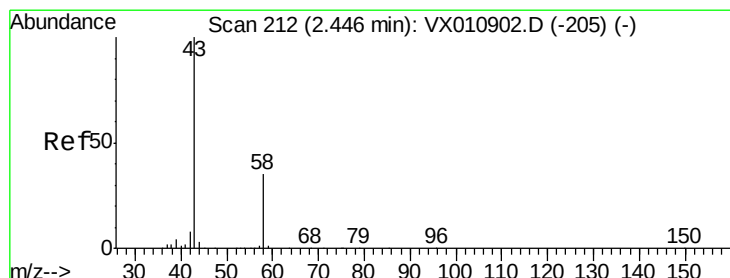
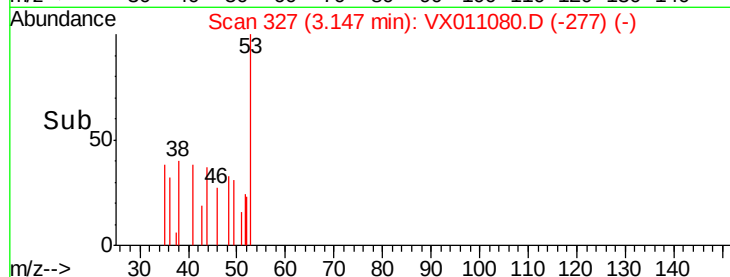
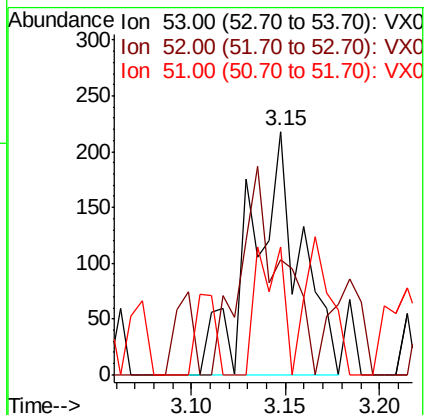
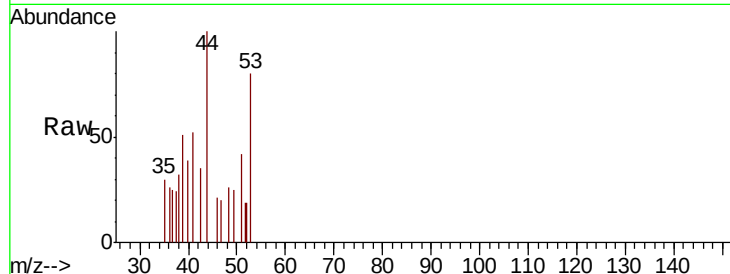
Tot Ion: 53 Resp: 393

Ion Ratio Lower Upper

53 100

52 72.8 66.5 99.7

51 28.2 28.2 42.4



#16

Acetone

Concen: 0.421 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011080.D

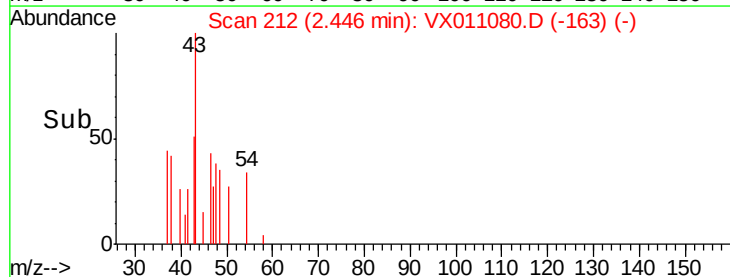
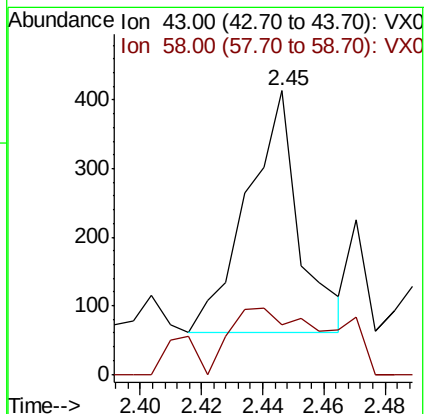
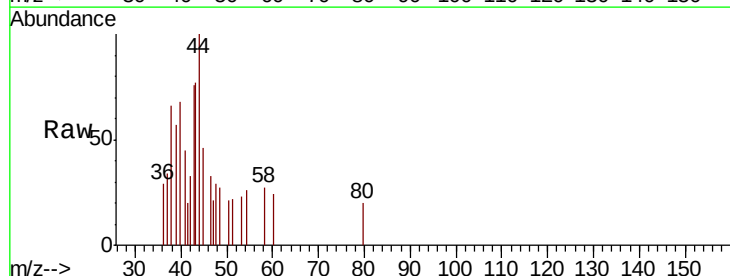
Acq: 26 Jul 2019 10:53

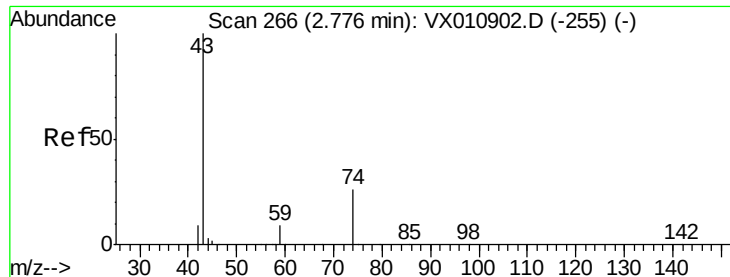
Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

43 100

58 5.1 27.7 41.5#

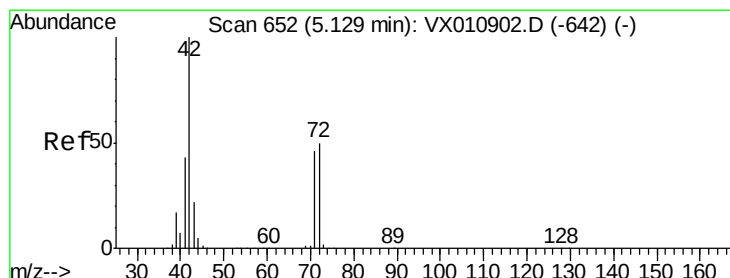
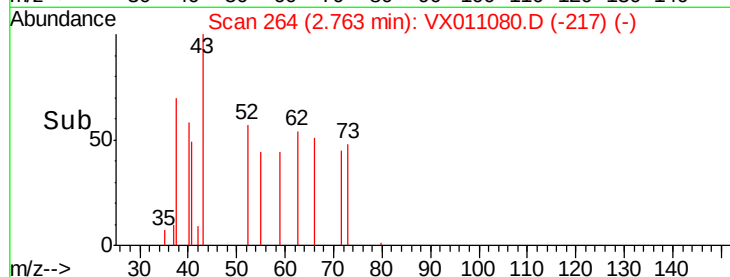
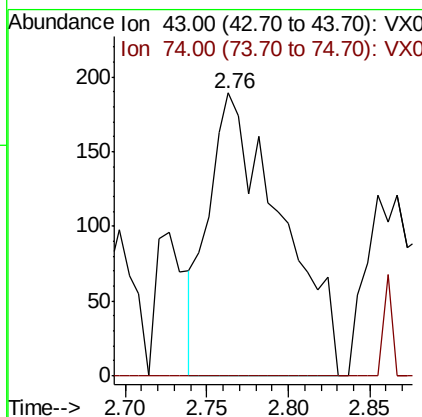
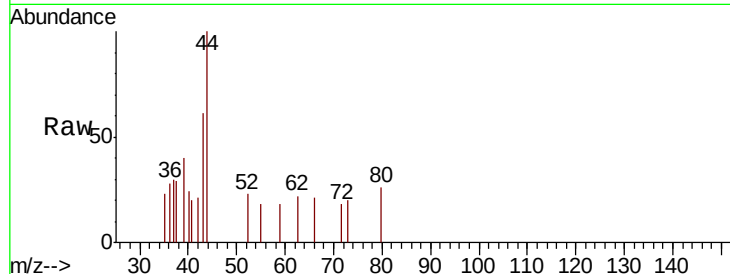




#18
Methvl Acetate
Concen: 0.259 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX011080.D
Acq: 26 Jul 2019 10:53

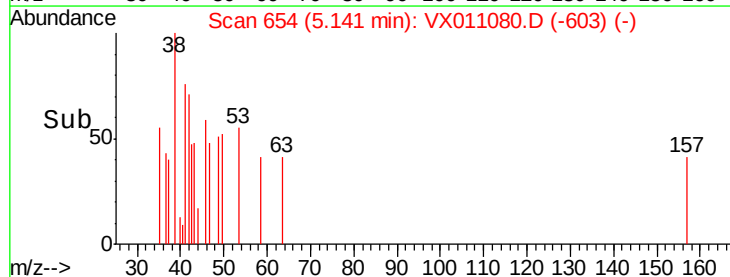
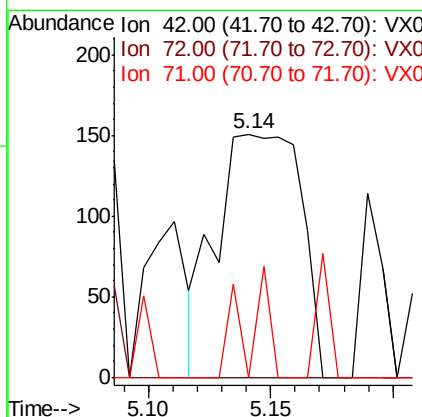
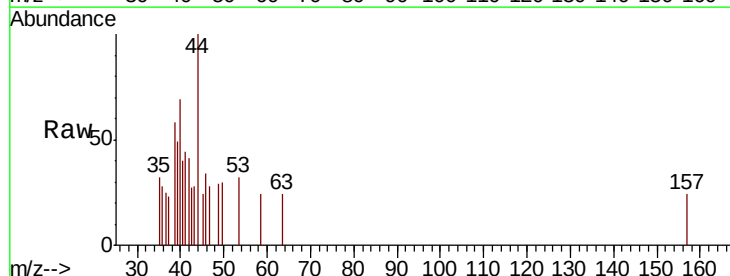
Instrument :
MSVOA_X
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VX0726WBL01

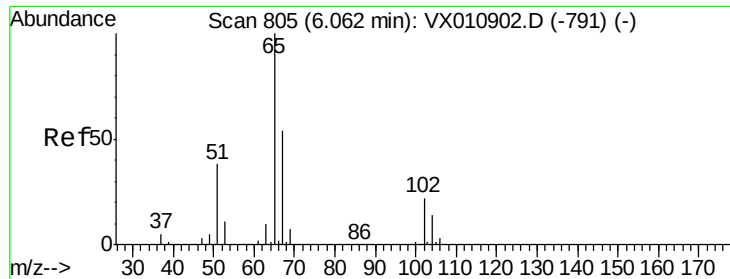
Tot Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
74 0.0 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.404 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX011080.D
Acq: 26 Jul 2019 10:53

Tgt Ion: 42 Resp: 363
Ion Ratio Lower Upper
42 100
72 0.0 39.8 59.8#
71 5.8 37.0 55.4#

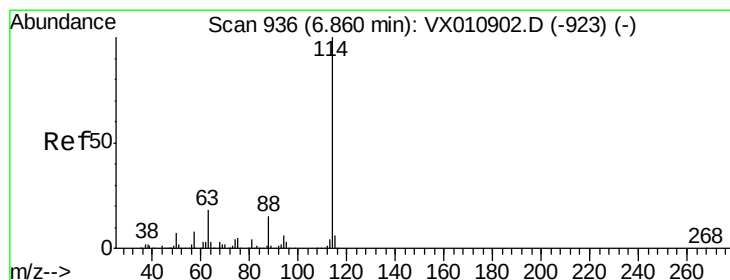
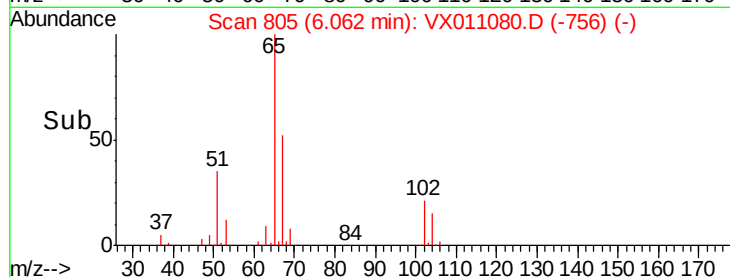
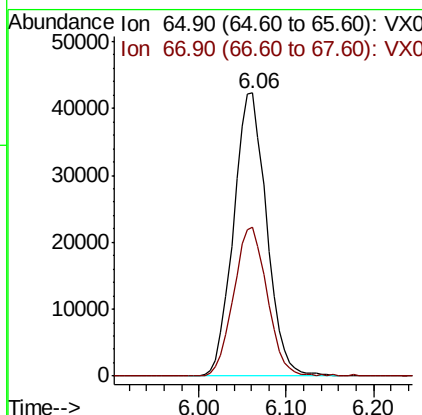
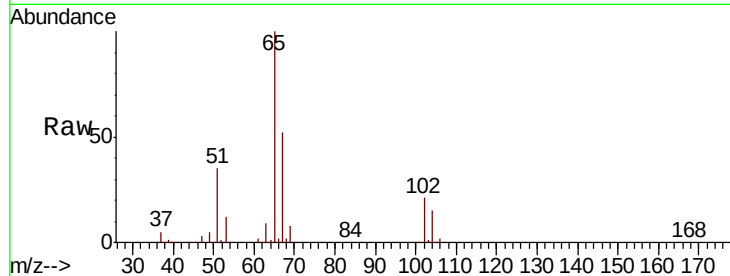




#33
 1,2-Dichloroethane-d4
 Concen: 50.866 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011080.D
 Acq: 26 Jul 2019 10:53

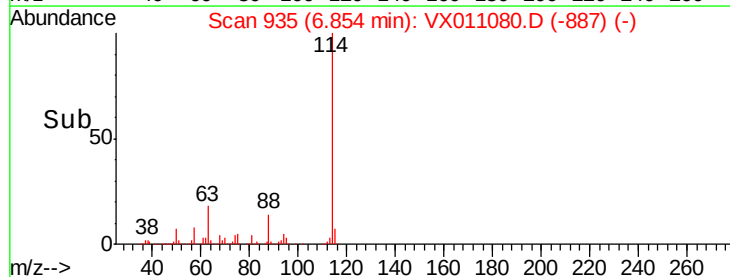
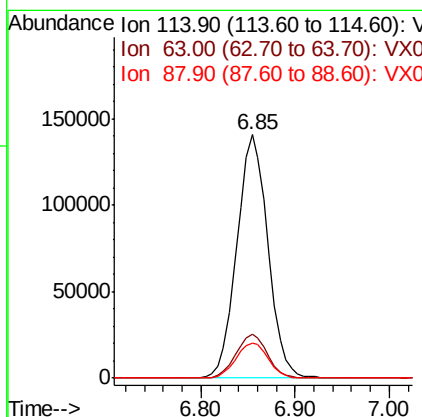
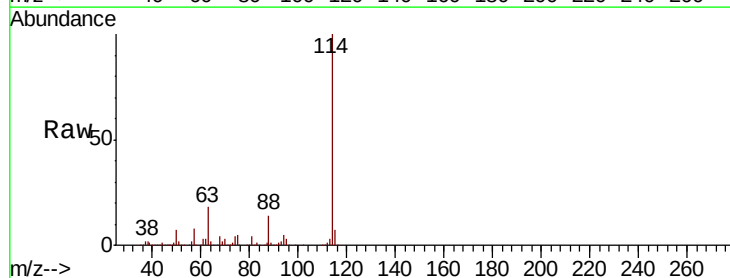
Instrument :
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 VX0726WBL01

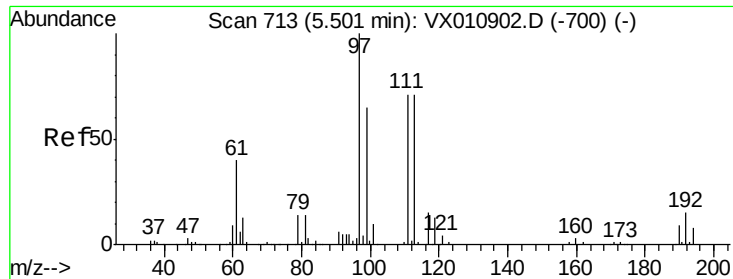
Tot Ion: 65 Resp: 111235
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011080.D
 Acq: 26 Jul 2019 10:53

Tgt Ion: 114 Resp: 323534
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.6
 88 14.4 0.0 29.8

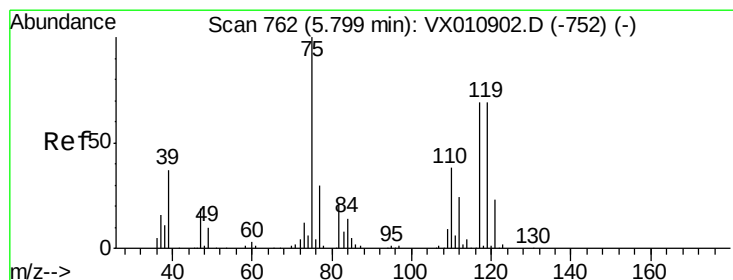
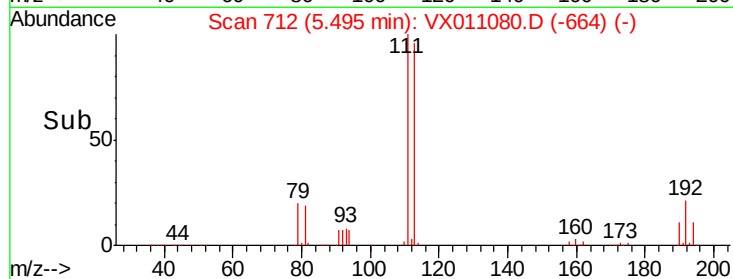
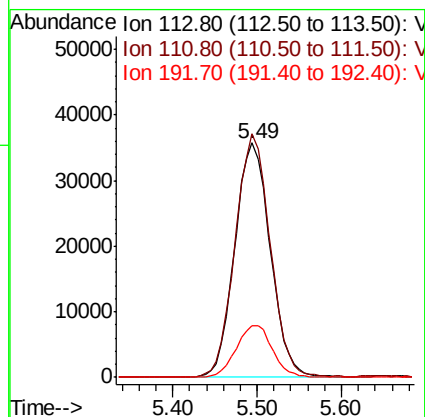
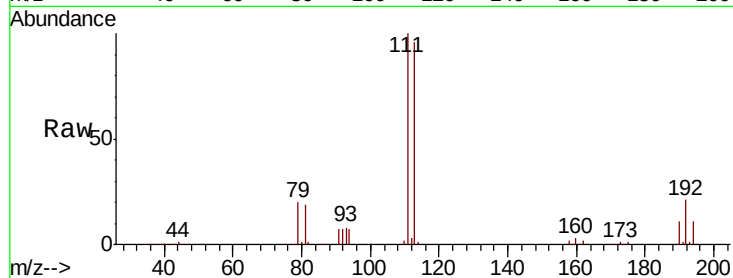




#35
 Dibromofluoromethane
 Concen: 49.799 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX011080.D
 Acq: 26 Jul 2019 10:53

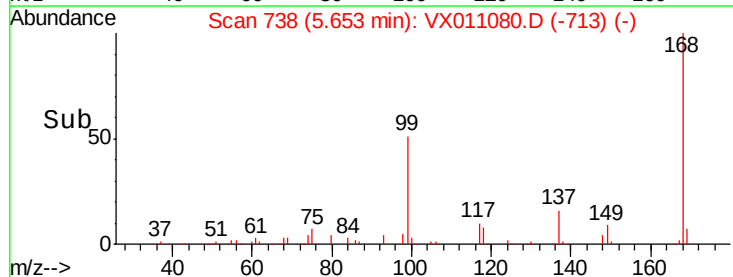
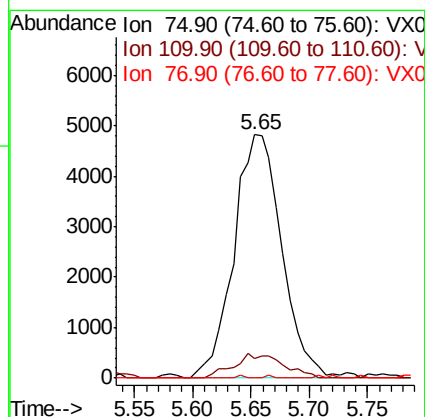
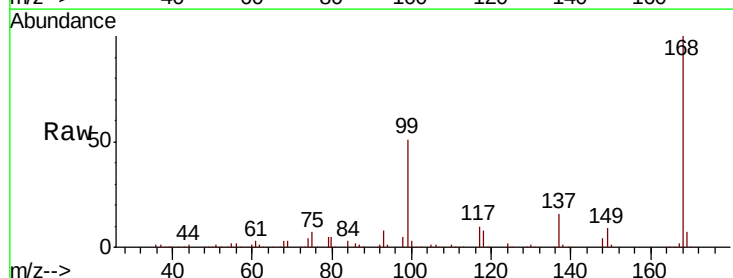
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0726WBL01

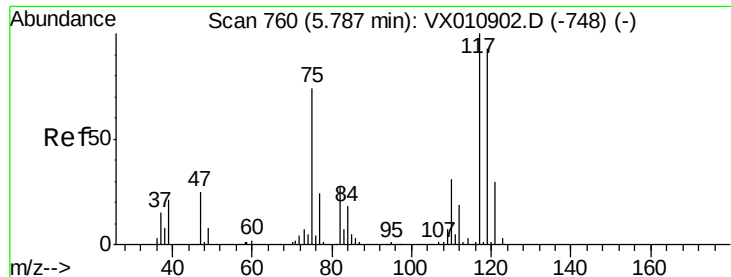
Tot Ion:113 Resp: 102264
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.3 123.5
 192 22.5 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.181 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011080.D
 Acq: 26 Jul 2019 10:53

Tgt Ion: 75 Resp: 13769
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.9 59.7#
 77 0.2 25.0 37.4#

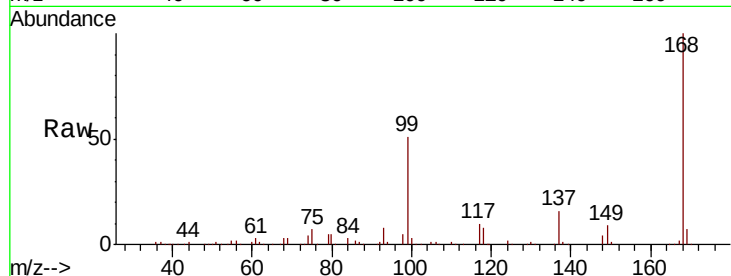




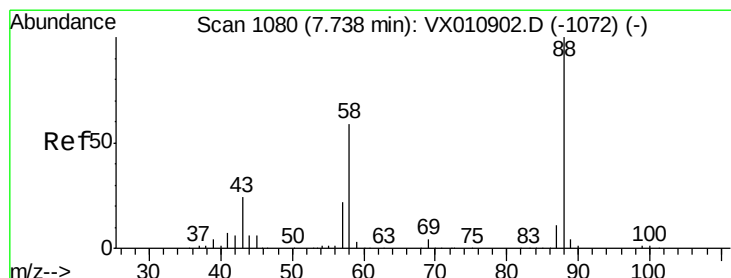
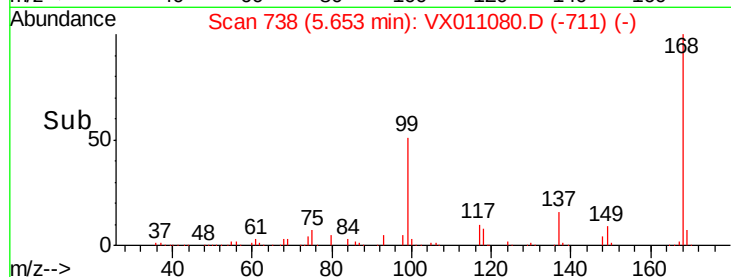
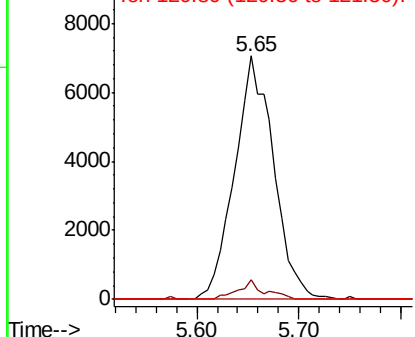
#38
Carbon Tetrachloride
Concen: 6.774 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011080.D
Acq: 26 Jul 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBL01

Tot Ion:117 Resp: 18758
Ion Ratio Lower Upper
117 100
119 8.0 74.2 111.2#
121 0.0 24.2 36.2#

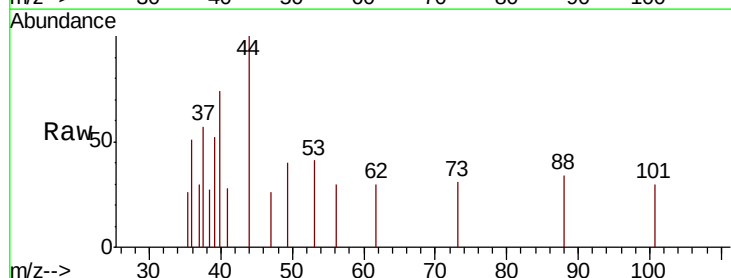


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

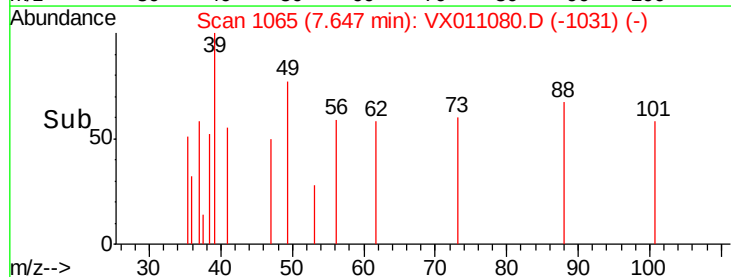
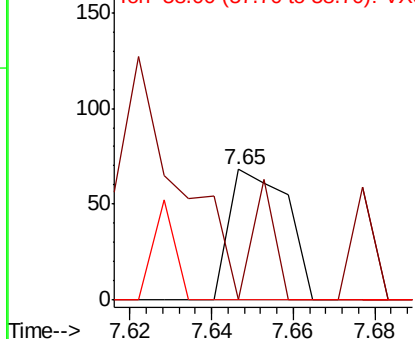


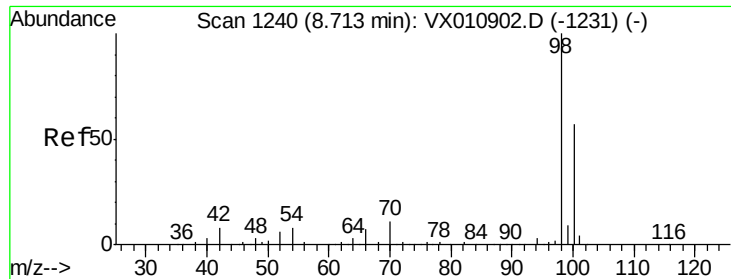
#49
1,4-Dioxane
Concen: 1.099 ug/l
RT: 7.65 min Scan# 1065
Delta R.T. -0.09 min
Lab File: VX011080.D
Acq: 26 Jul 2019 10:53

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 28.4 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





#50

Toluene-d8

Concen: 50.219 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

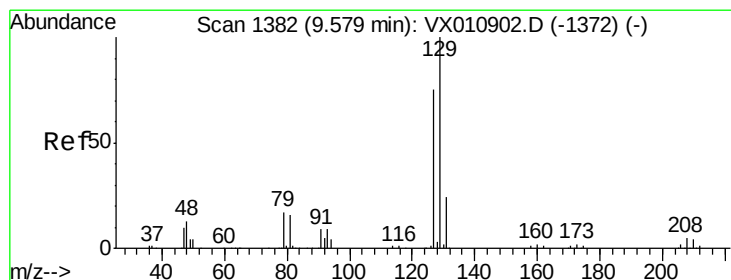
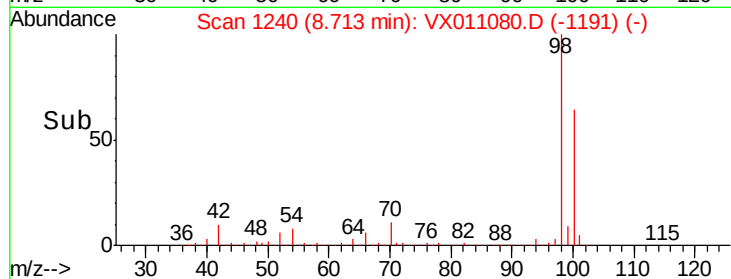
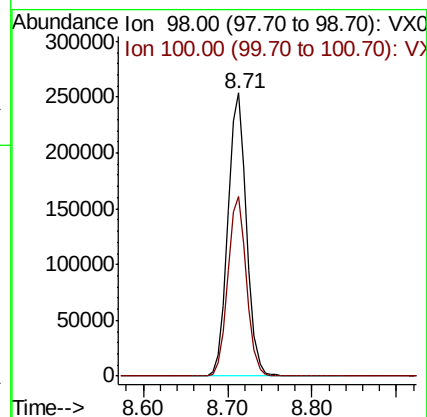
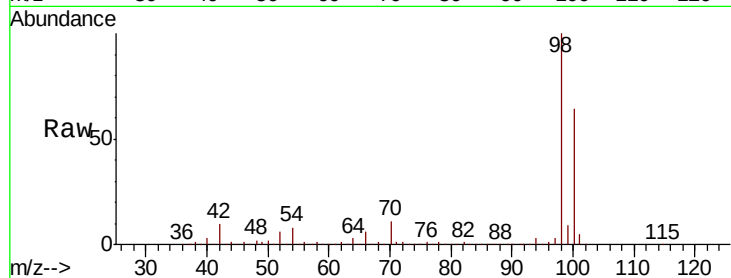
VX0726WBL01

Tot Ion: 98 Resp: 386790

Ion Ratio Lower Upper

98 100

100 63.4 50.6 75.8



#60

Dibromochloromethane

Concen: 2.535 ug/l

RT: 9.79 min Scan# 1417

Delta R.T. 0.21 min

Lab File: VX011080.D

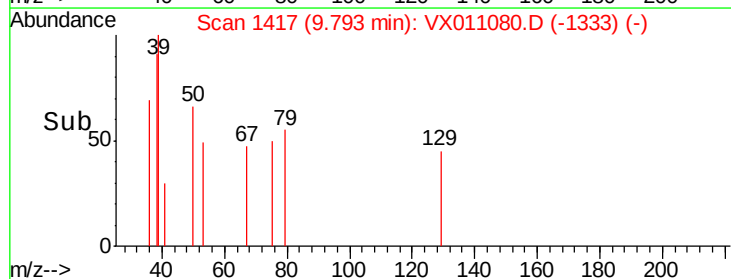
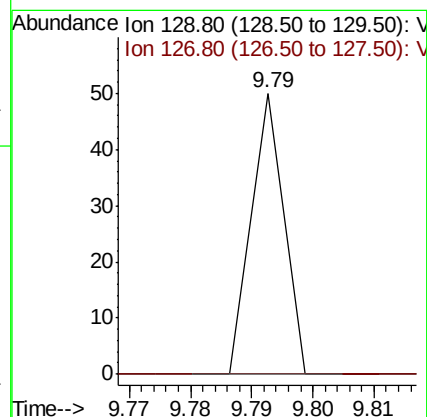
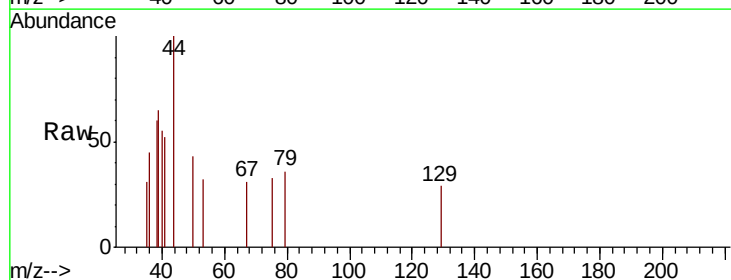
Acq: 26 Jul 2019 10:53

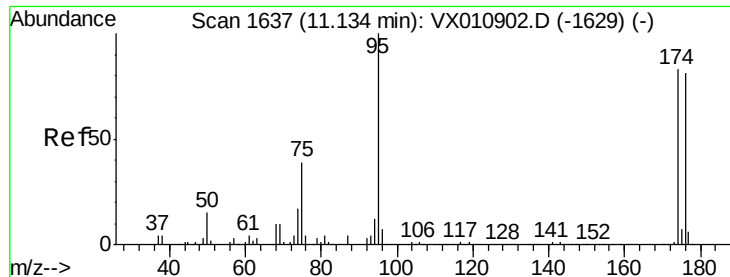
Tgt Ion: 129 Resp: 18

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 48.265 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampled :

VX0726WBL01

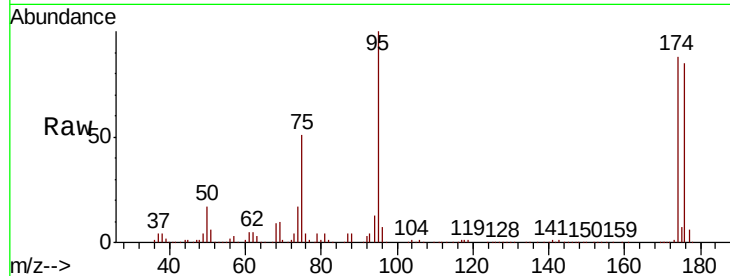
Tot Ion: 95 Resp: 136641

Ion Ratio Lower Upper

95 100

174 90.0 0.0 180.6

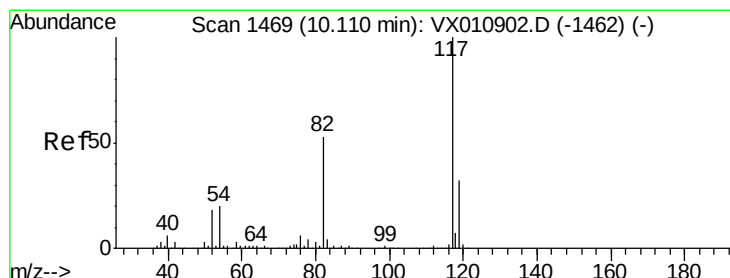
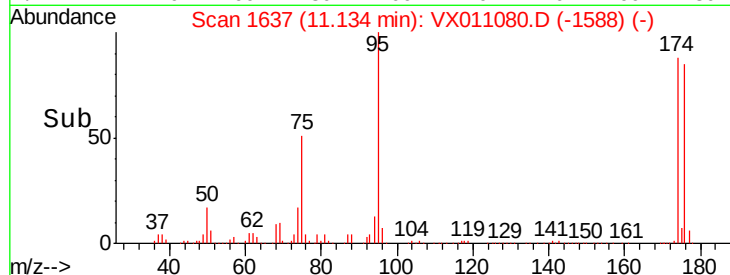
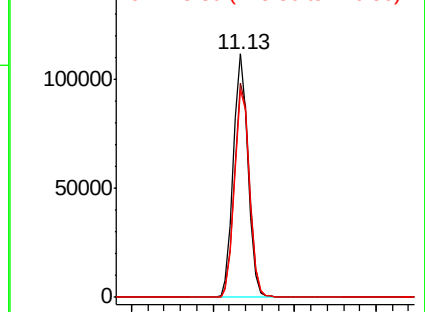
176 87.3 0.0 173.8



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: VX011080.D

Acq: 26 Jul 2019 10:53

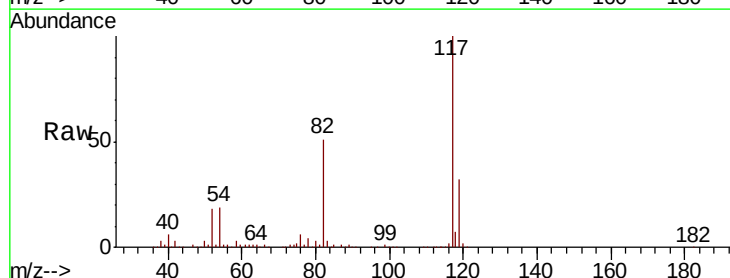
Tgt Ion: 117 Resp: 296114

Ion Ratio Lower Upper

117 100

82 51.4 42.6 63.8

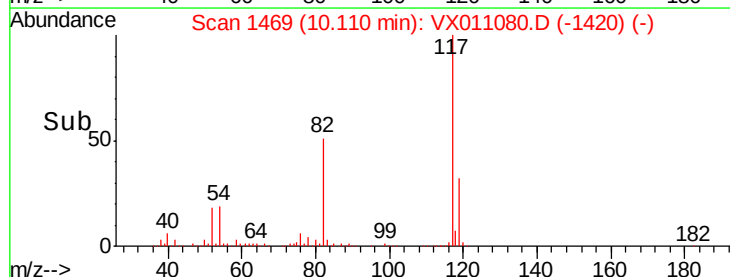
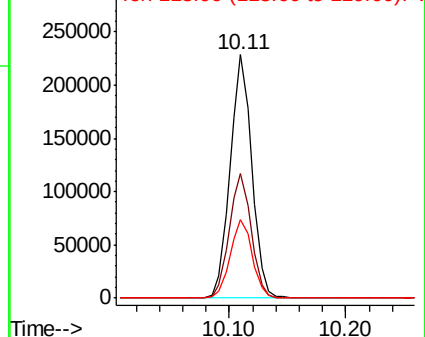
119 32.0 25.9 38.9

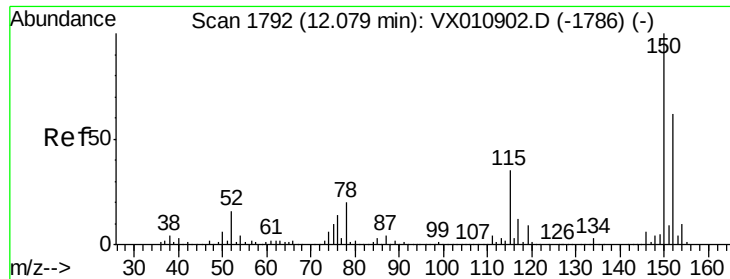


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



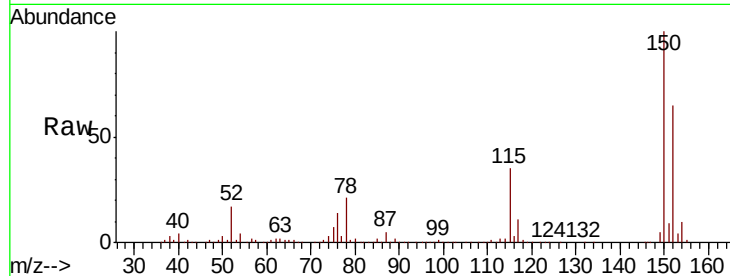


#72

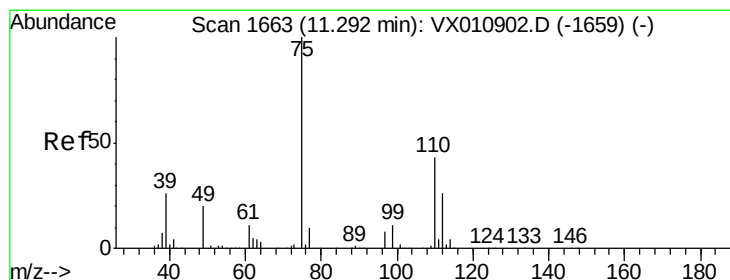
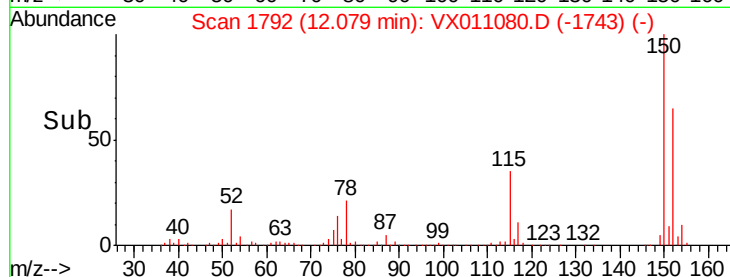
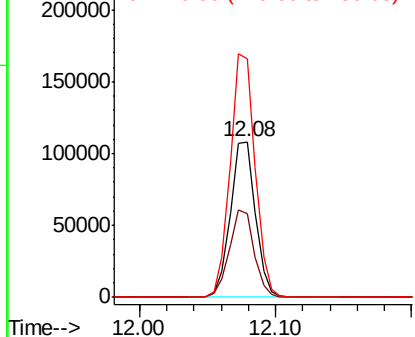
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011080.D
Acq: 26 Jul 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0726WBL01

Tot Ion:152 Resp: 138656
Ion Ratio Lower Upper
152 100
115 55.4 39.7 119.1
150 155.8 0.0 345.6



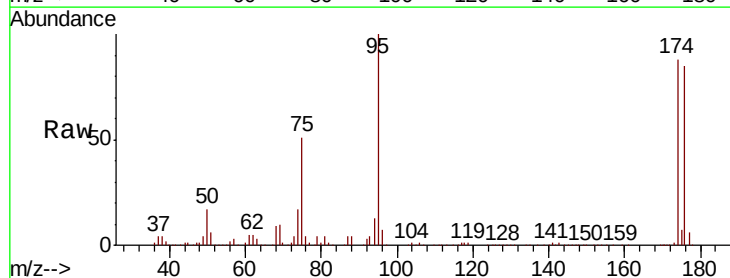
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



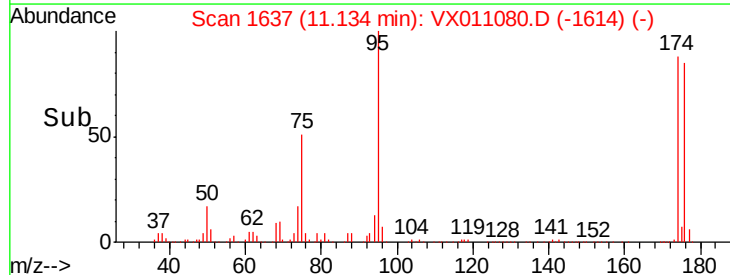
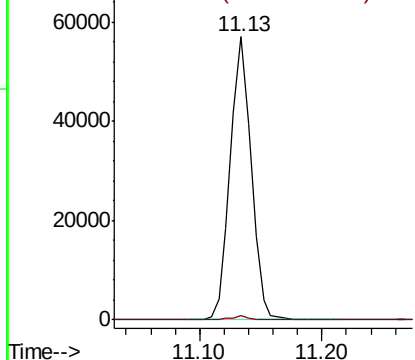
#76

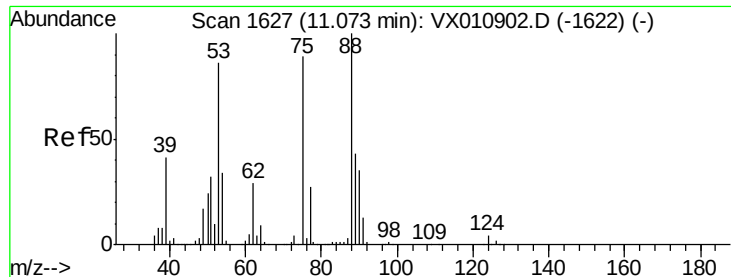
1,2,3-Trichloropropane
Concen: 27.111 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011080.D
Acq: 26 Jul 2019 10:53

Tgt Ion: 75 Resp: 67836
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: 67.201 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011080.D

Acq: 26 Jul 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0726WBL01

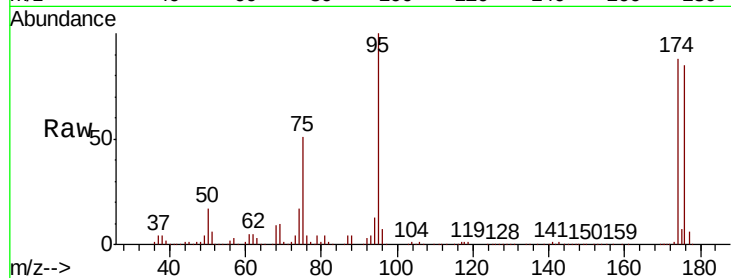
Tot Ion: 75 Resp: 67836

Ion Ratio Lower Upper

75 100

53 0.2 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

