

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX030920\
 Data File : VX015150.D
 Acq On : 09 Mar 2020 17:59
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 10 11:22:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	323206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	525166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	514887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	262021	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	200465	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
35) Dibromofluoromethane	5.49	113	166092	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
50) Toluene-d8	8.71	98	645044	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.14	95	235115	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	

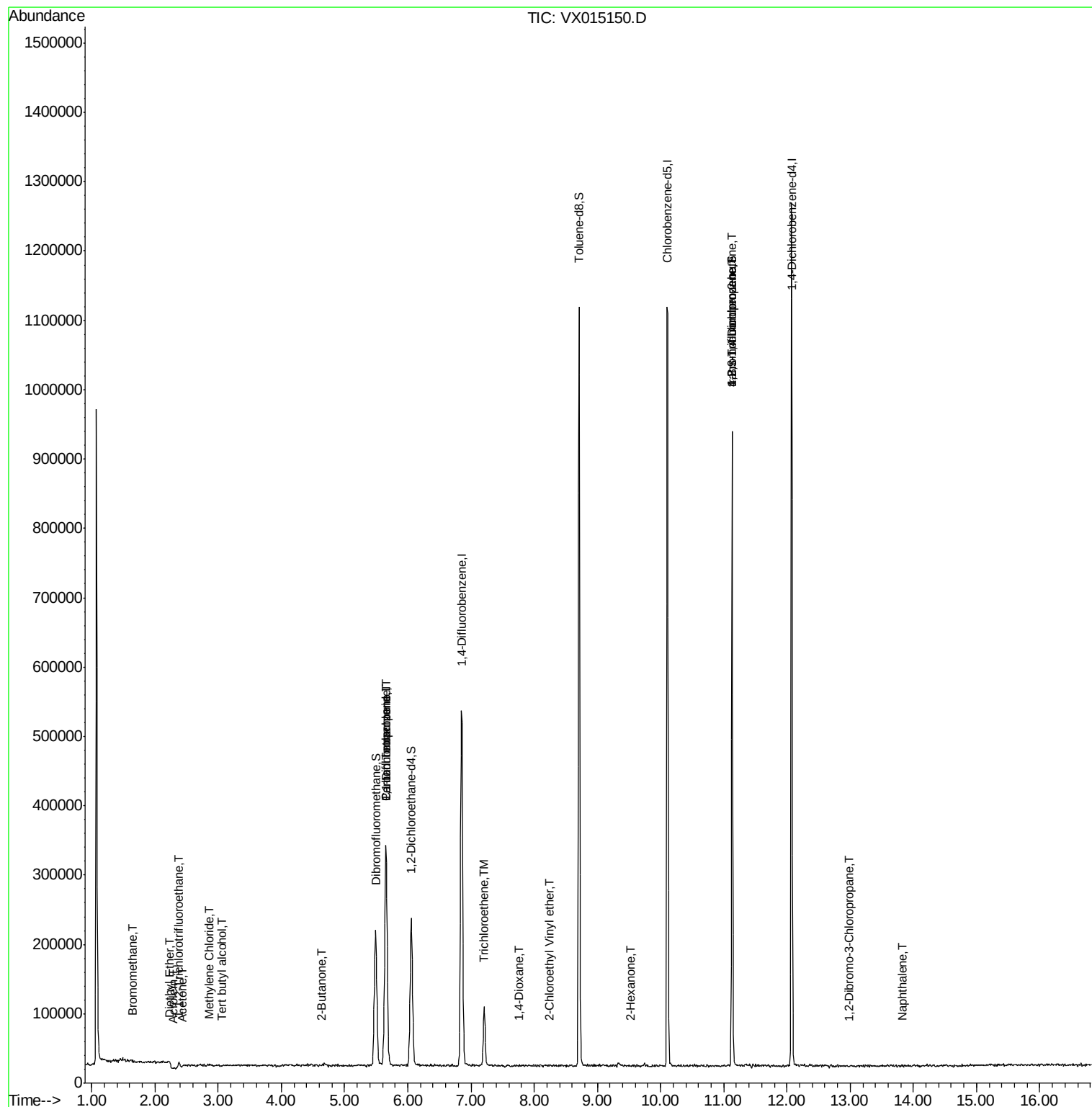
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	714	0.29	ug/l #	68
8) Diethyl Ether	2.23	74	469	0.21	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	3165	1.04	ug/l	99
11) Tert butyl alcohol	3.06	59	518	0.78	ug/l #	1
13) Acrolein	2.28	56	354	0.57	ug/l	97
16) Acetone	2.42	43	1046	0.67	ug/l #	50
20) Methylene Chloride	2.86	84	917	0.25	ug/l #	48
25) 2-Butanone	4.64	43	466	0.20	ug/l #	85
36) 1,1-Dichloropropene	5.65	75	23255	4.79	ug/l #	48
38) Carbon Tetrachloride	5.65	117	28295	6.17	ug/l #	16
44) Trichloroethene	7.21	130	35667	8.89	ug/l	99
49) 1,4-Dioxane	7.75	88	292	3.35	ug/l #	40
58) 2-Chloroethyl Vinyl ether	8.24	63	802	0.28	ug/l	98
59) 2-Hexanone	9.52	43	844	0.24	ug/l	66
76) 1,2,3-Trichloropropane	11.13	75	118011	22.58	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	118011	64.08	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.98	75	315	0.28	ug/l #	1
95) Naphthalene	13.83	128	755	1.46	ug/l #	64

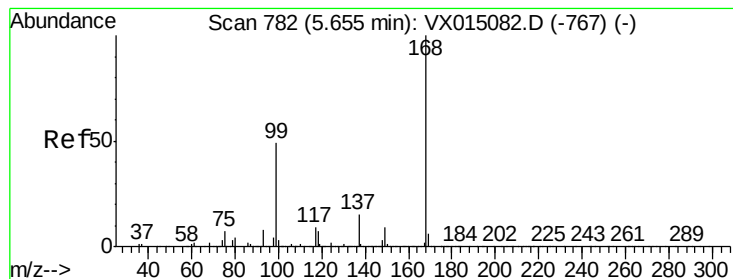
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 04 14:19:10 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

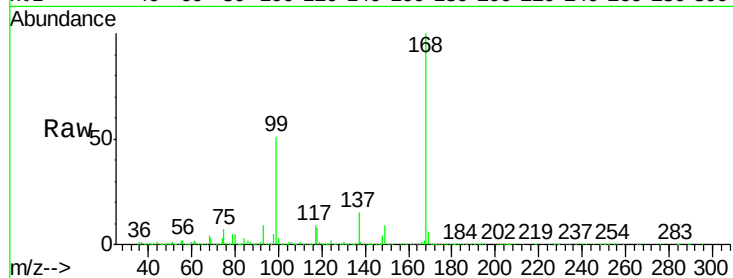
IBLK

Tgt Ion:168 Resp: 323206

Ion Ratio Lower Upper

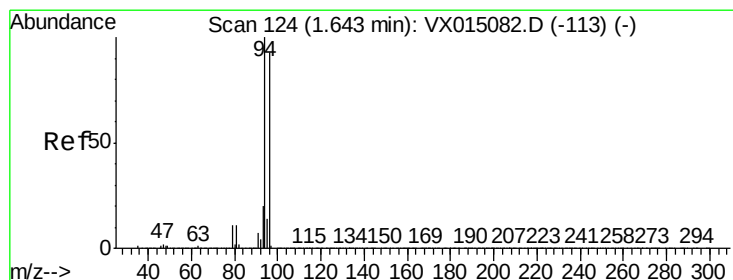
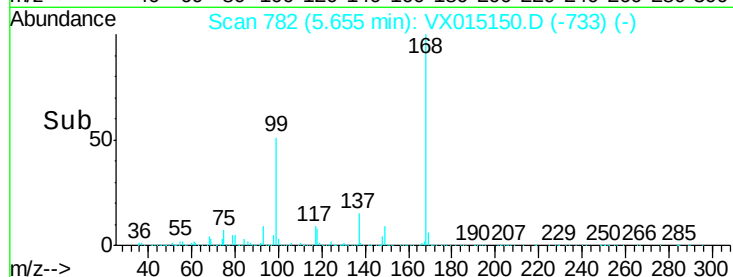
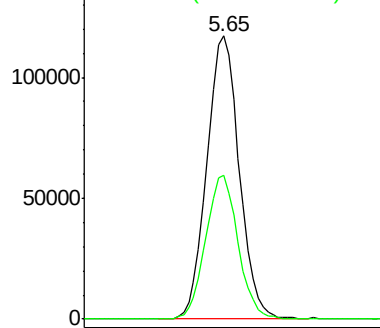
168 100

99 50.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.29 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015150.D

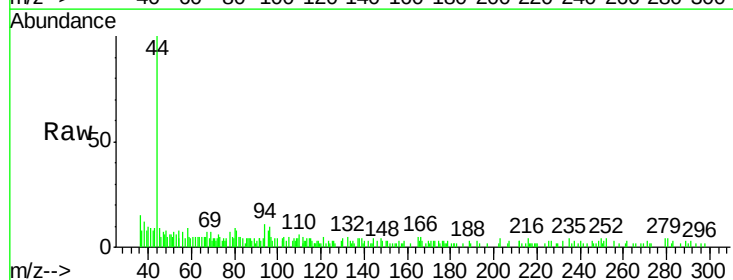
Acq: 09 Mar 2020 17:59

Tgt Ion: 94 Resp: 714

Ion Ratio Lower Upper

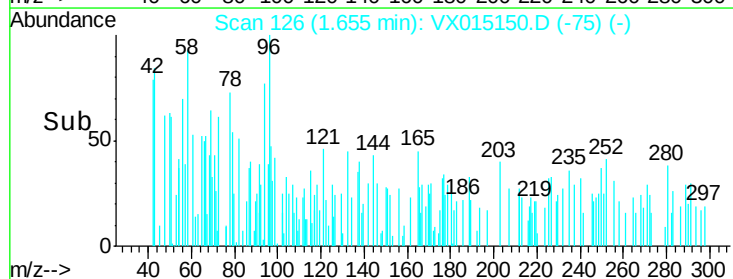
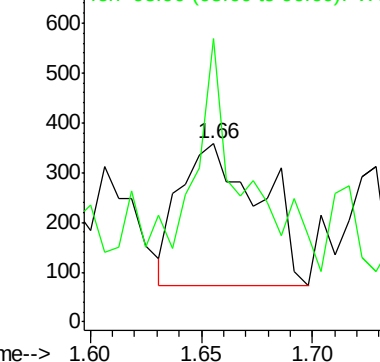
94 100

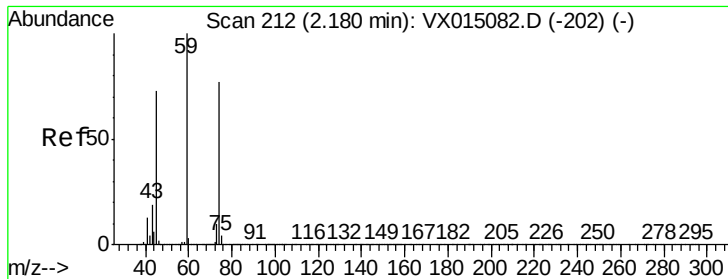
96 123.9 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.21 ug/l

RT: 2.23 min Scan# 220

Delta R.T. 0.05 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

Instrument :

MSVOA_X

ClientSampled :

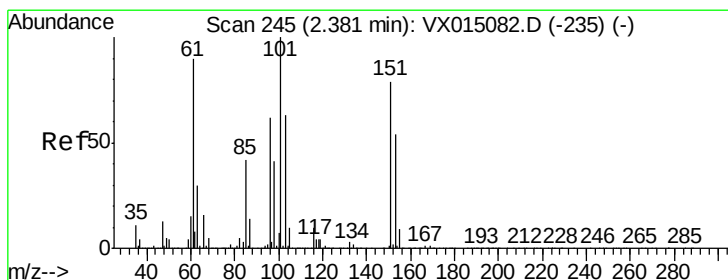
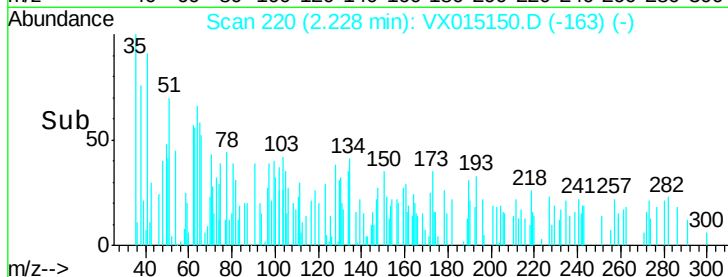
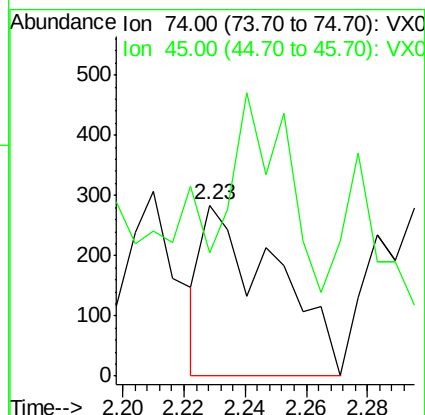
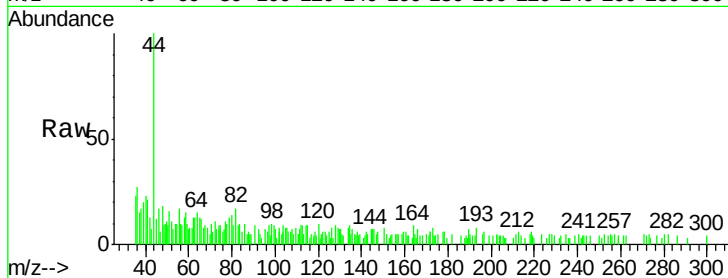
IBLK

Tgt Ion: 74 Resp: 469

Ion Ratio Lower Upper

74 100

45 100.2 49.2 147.6



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.04 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

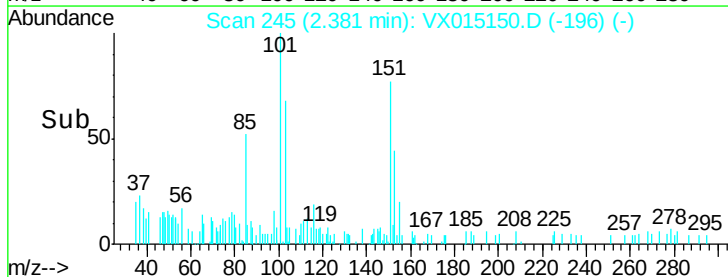
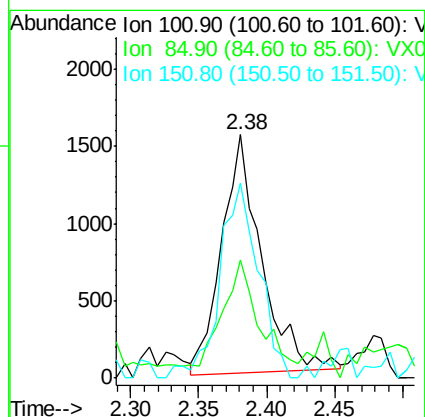
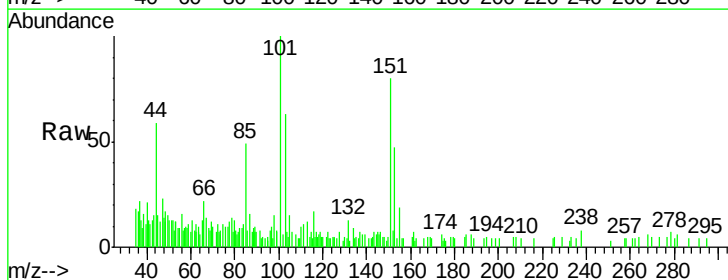
Tgt Ion: 101 Resp: 3165

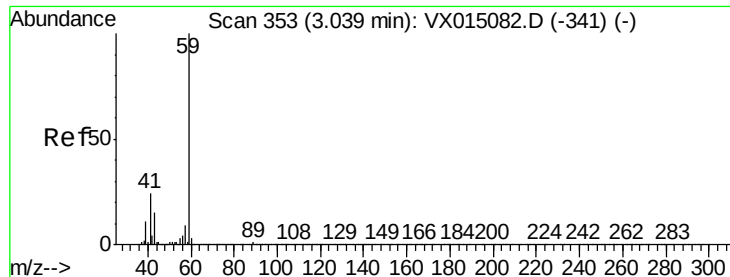
Ion Ratio Lower Upper

101 100

85 42.9 33.7 50.5

151 79.4 64.0 96.0





#11

Tert butyl alcohol

Concen: 0.78 ug/l

RT: 3.06 min Scan# 356

Delta R.T. 0.02 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

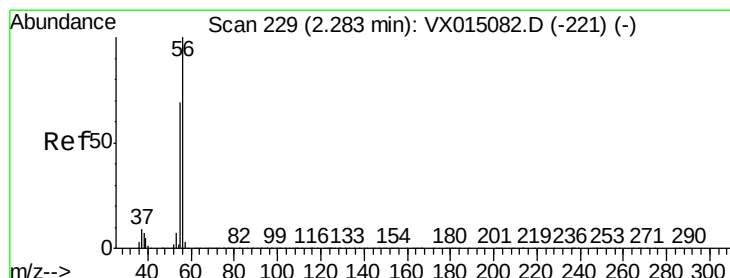
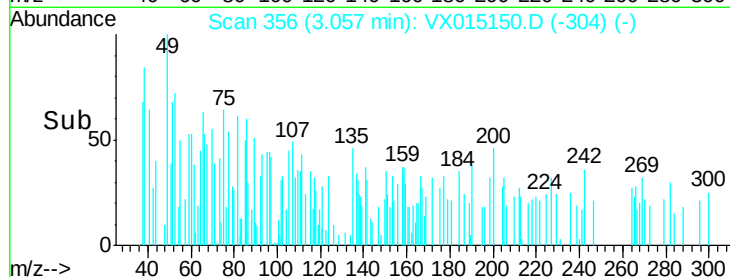
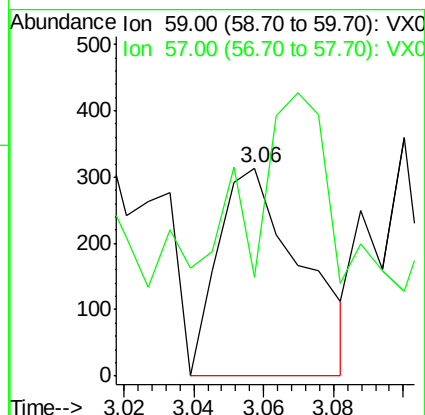
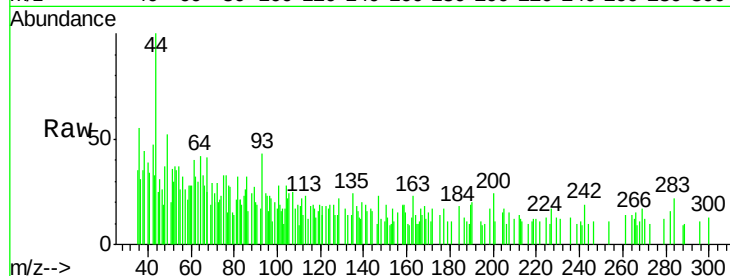
IBLK

Tgt Ion: 59 Resp: 518

Ion Ratio Lower Upper

59 100

57 106.8 8.2 12.4#



#13

Acrolein

Concen: 0.57 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX015150.D

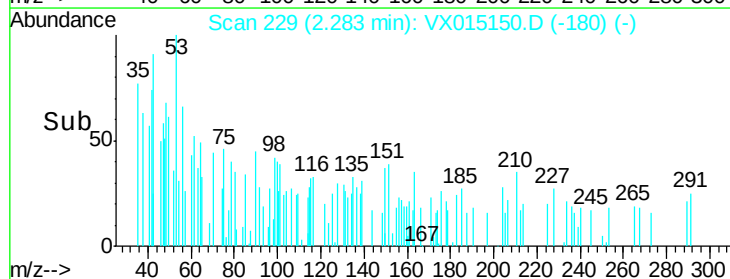
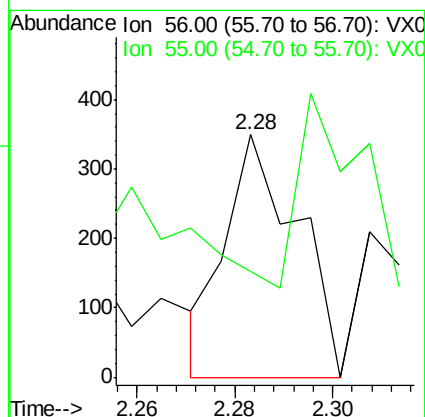
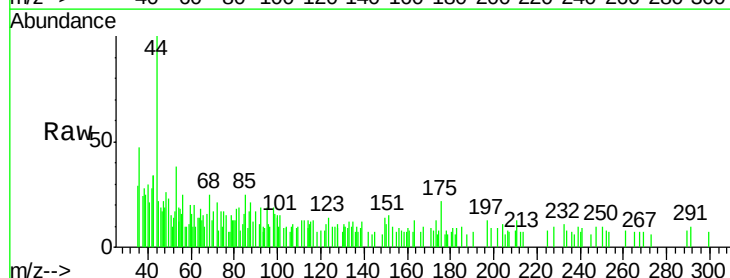
Acq: 09 Mar 2020 17:59

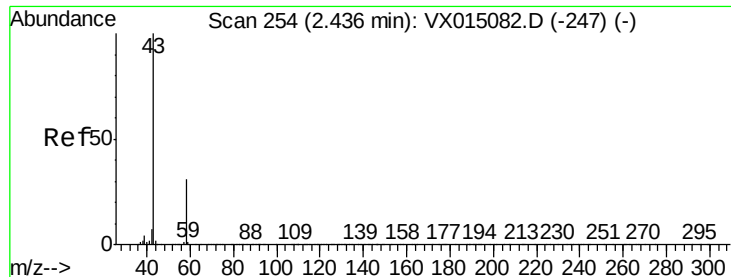
Tgt Ion: 56 Resp: 354

Ion Ratio Lower Upper

56 100

55 72.0 55.4 83.0





#16

Acetone

Concen: 0.67 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

Instrument :

MSVOA_X

ClientSampled :

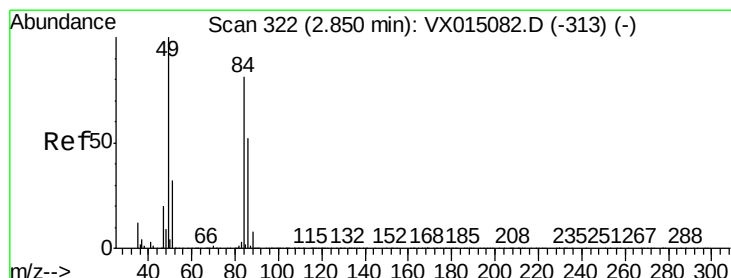
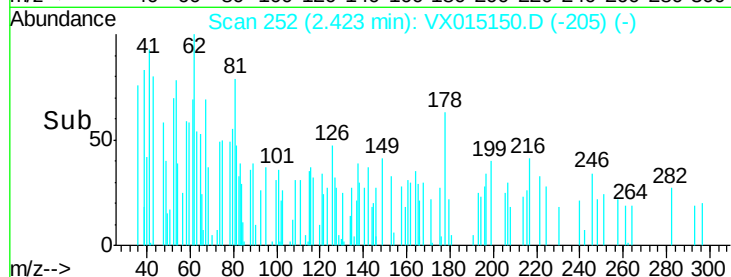
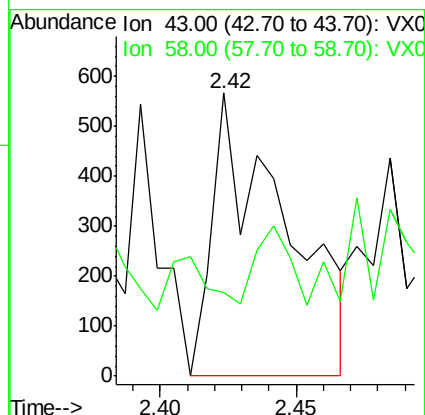
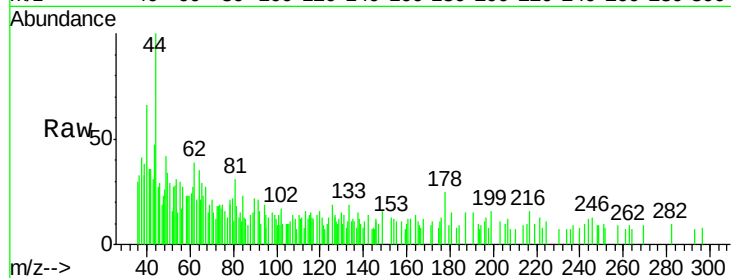
IBLK

Tgt Ion: 43 Resp: 1046

Ion Ratio Lower Upper

43 100

58 3.4 24.8 37.2#



#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

Tgt Ion: 84 Resp: 917

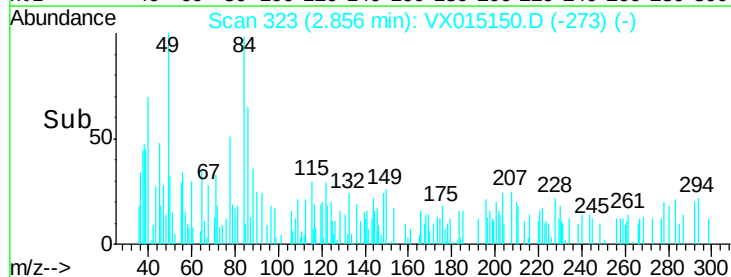
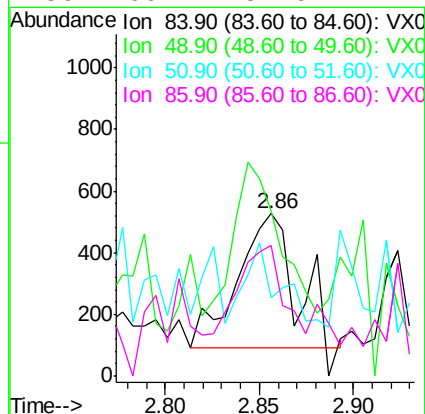
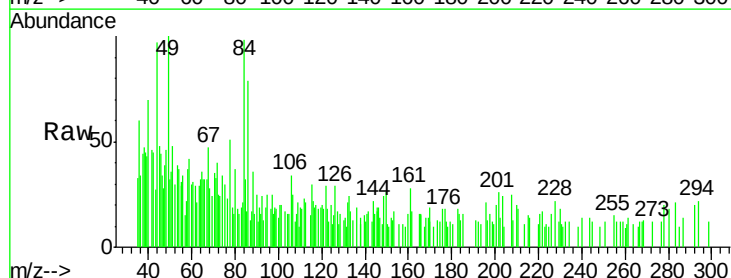
Ion Ratio Lower Upper

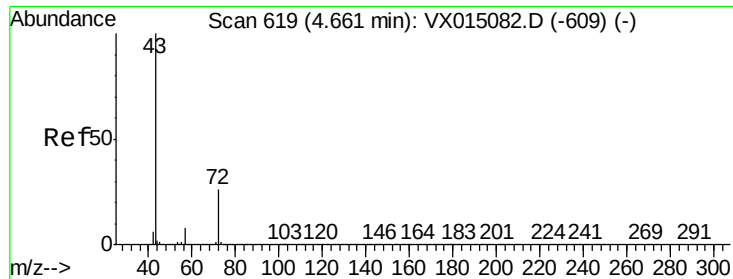
84 100

49 34.0 99.4 149.2#

51 13.1 31.5 47.3#

86 60.7 51.6 77.4





#25

2-Butanone

Concen: 0.20 ug/l

RT: 4.64 min Scan# 615

Delta R.T. -0.02 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

Instrument :

MSVOA_X

ClientSampled :

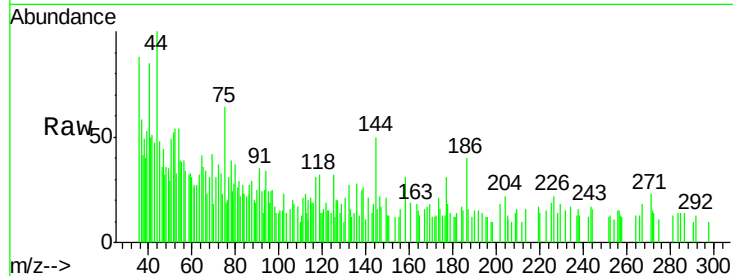
IBLK

Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

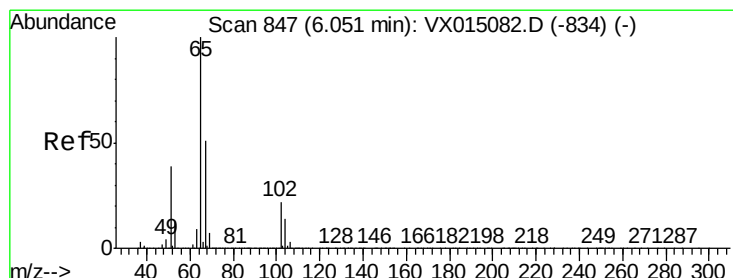
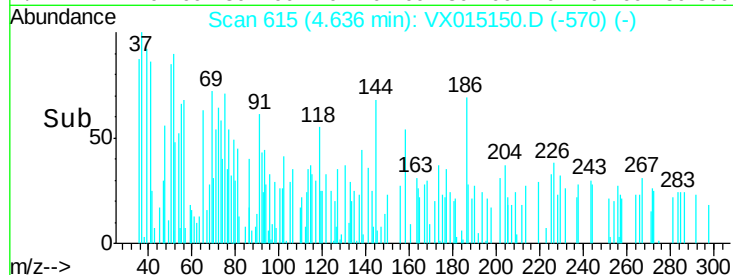
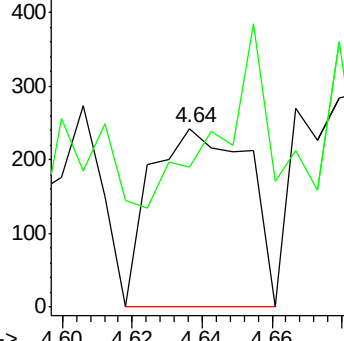
43 100

72 18.2 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.28 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015150.D

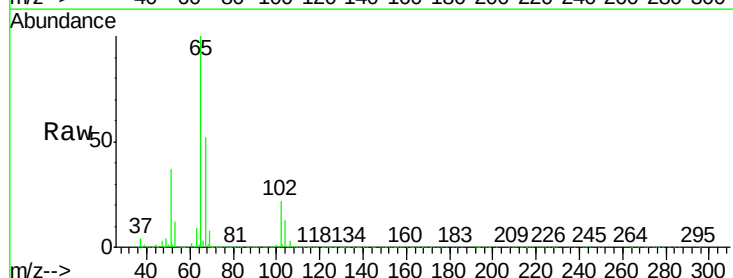
Acq: 09 Mar 2020 17:59

Tgt Ion: 65 Resp: 200465

Ion Ratio Lower Upper

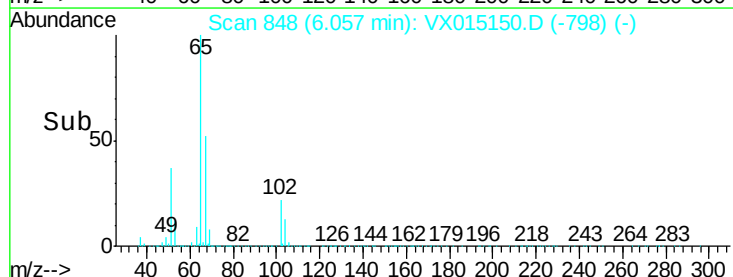
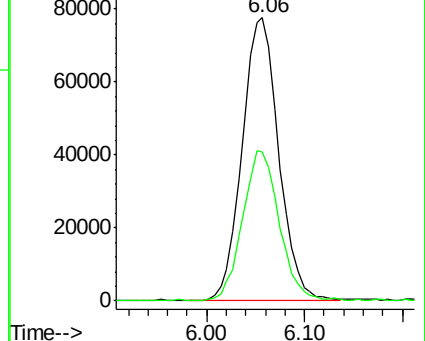
65 100

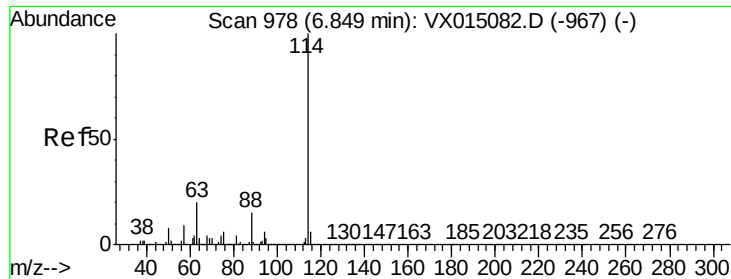
67 53.4 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

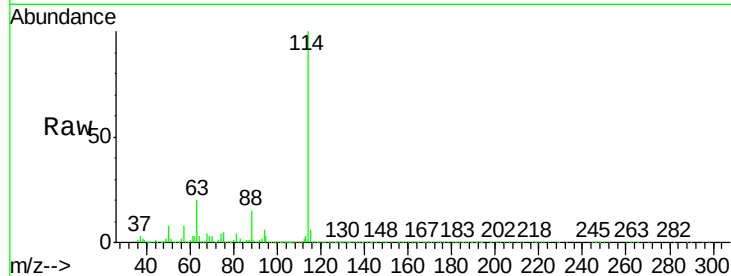




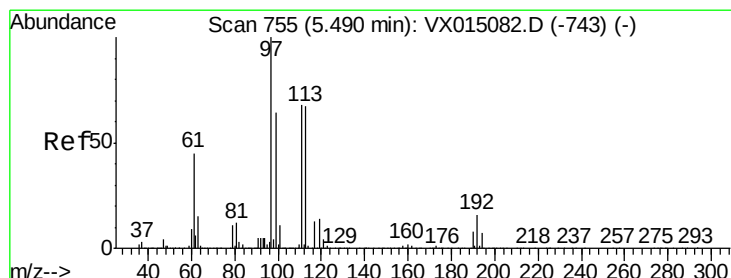
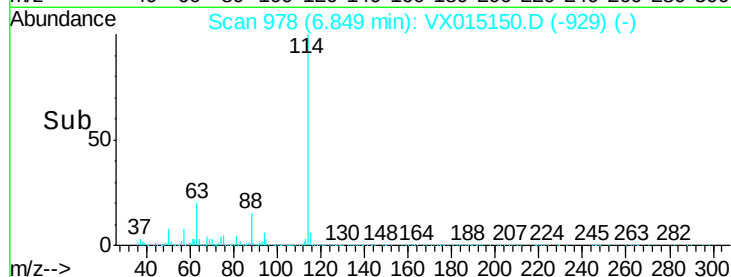
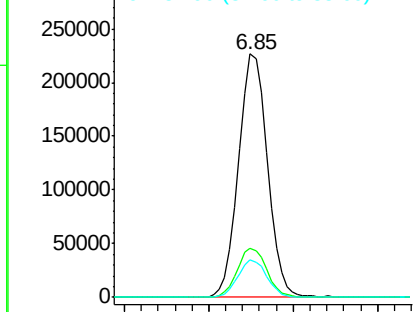
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX015150.D
Acq: 09 Mar 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:	114	Resp:	525166
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.0
88	15.2	0.0	30.6

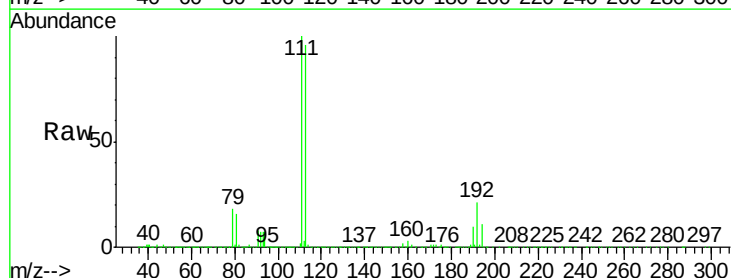


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

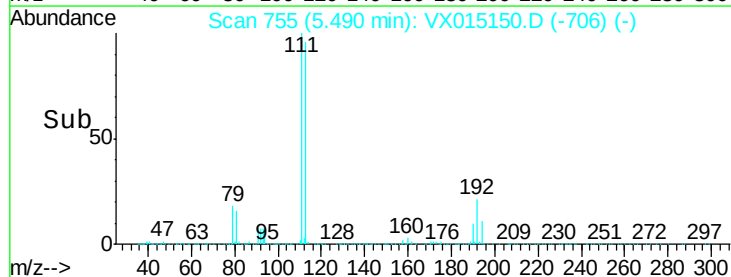
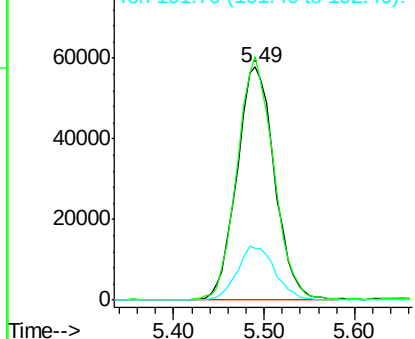


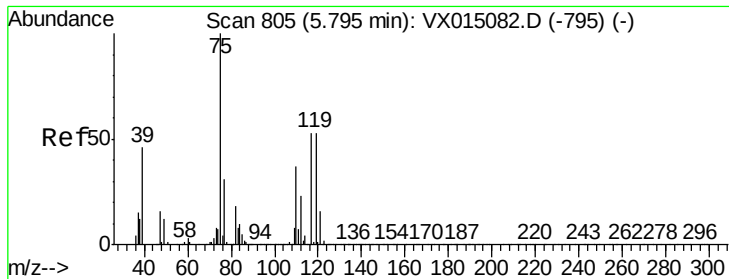
#35
Dibromofluoromethane
Concen: 50.13 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX015150.D
Acq: 09 Mar 2020 17:59

Tgt Ion:	113	Resp:	166092
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	123.8
192	23.4	18.6	28.0



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

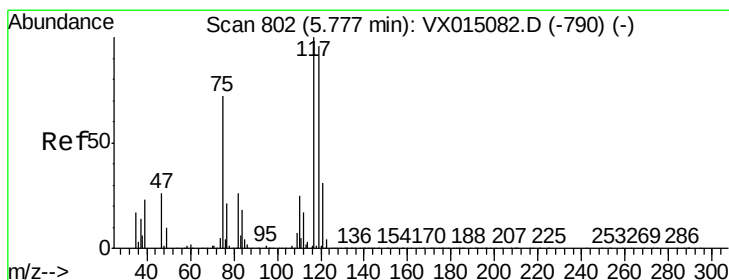
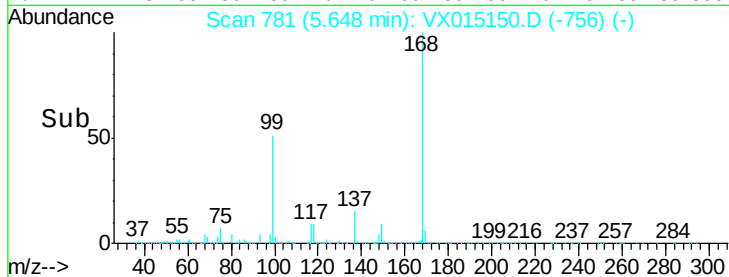
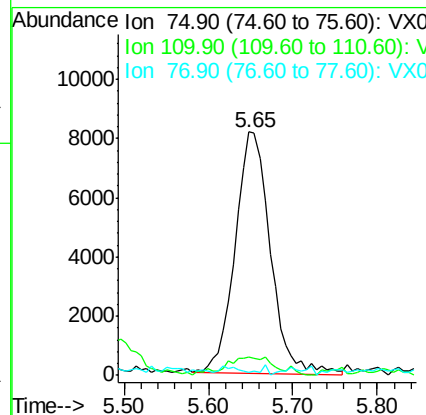
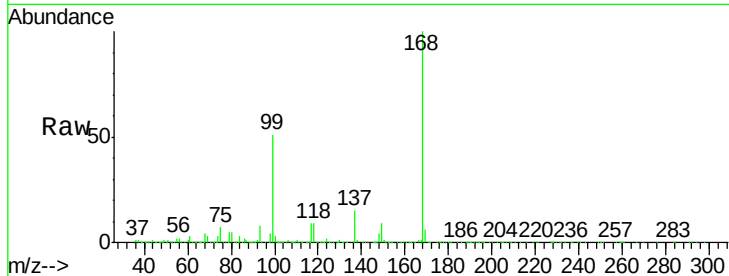




#36
 1,1-Dichloropropene
 Concen: 4.79 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015150.D
 Acq: 09 Mar 2020 17:59

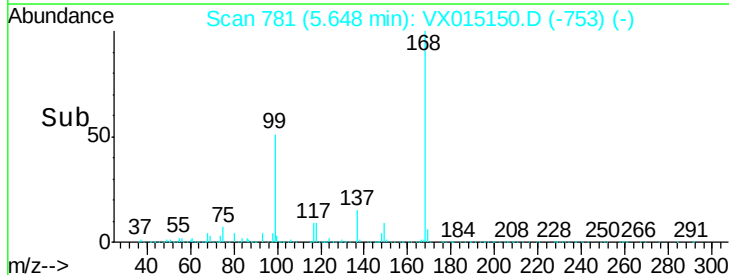
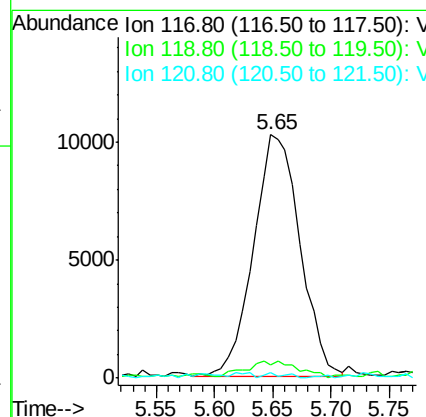
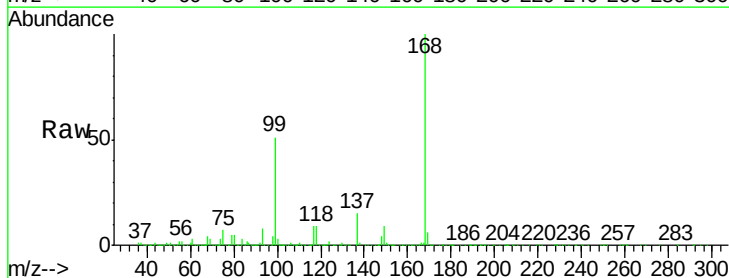
Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

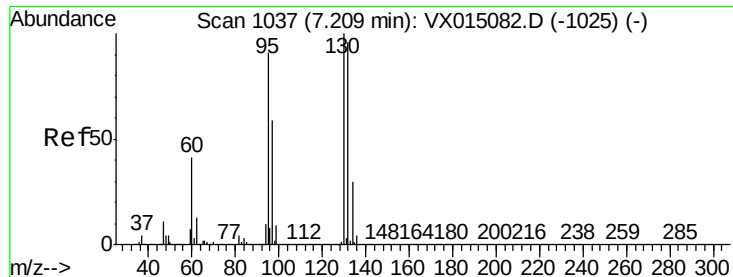
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	17.9	53.8#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.17 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX015150.D
 Acq: 09 Mar 2020 17:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.9	115.3#
121	1.6	24.6	37.0#





#44

Trichloroethene

Concen: 8.89 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

Instrument :

MSVOA_X

ClientSampled :

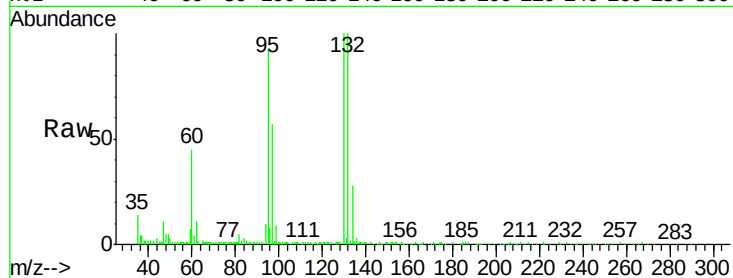
IBLK

Tgt Ion:130 Resp: 35667

Ion Ratio Lower Upper

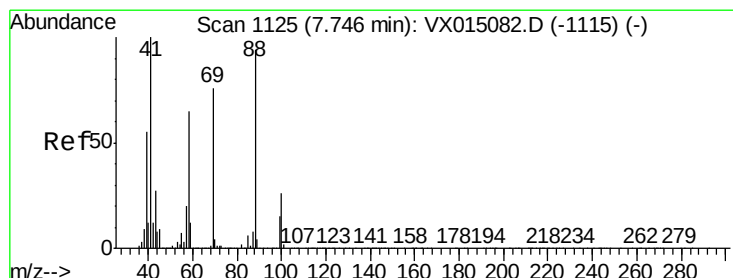
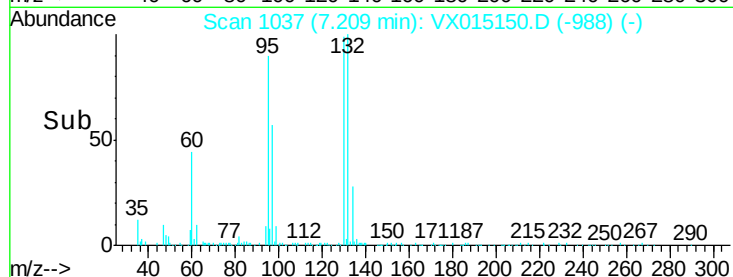
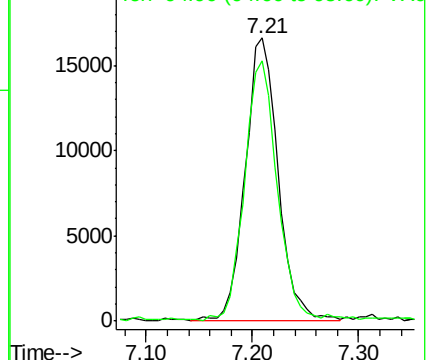
130 100

95 91.3 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 3.35 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

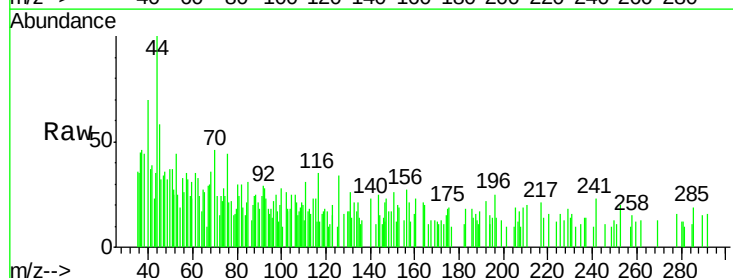
Tgt Ion: 88 Resp: 292

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

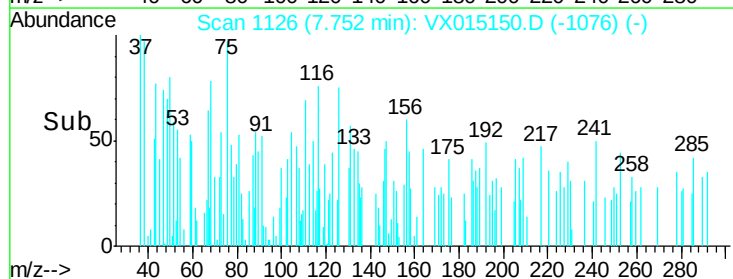
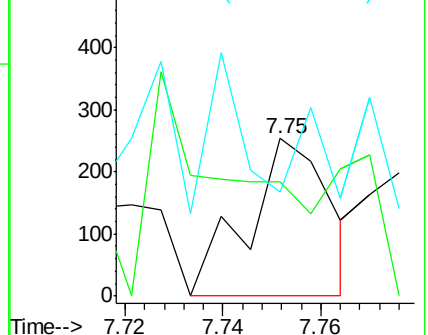
58 20.5 55.6 83.4#

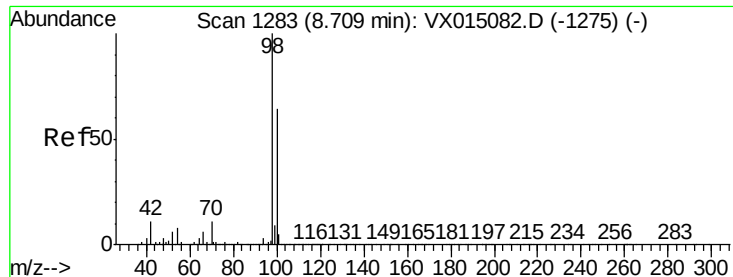


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

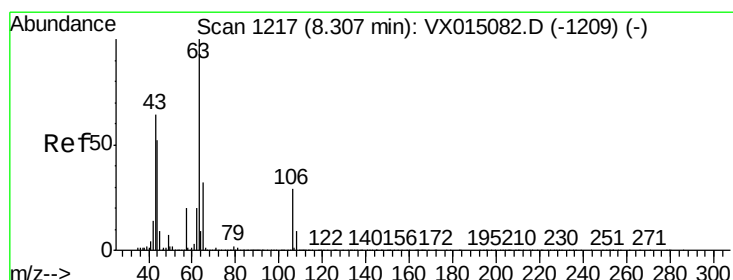
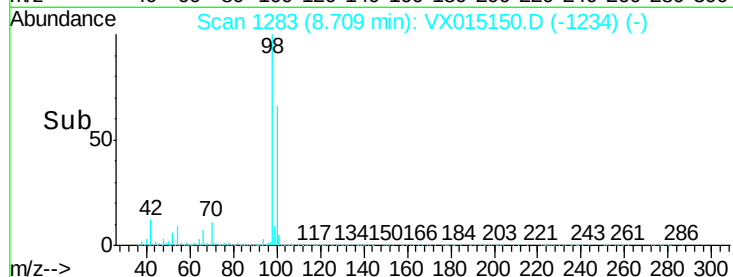
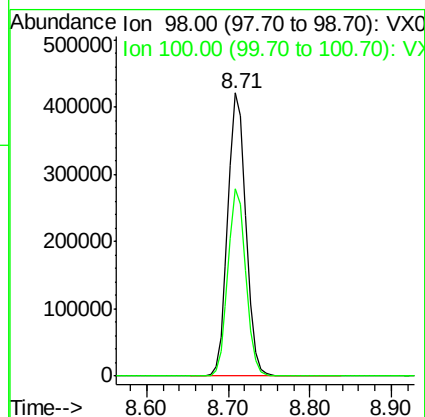
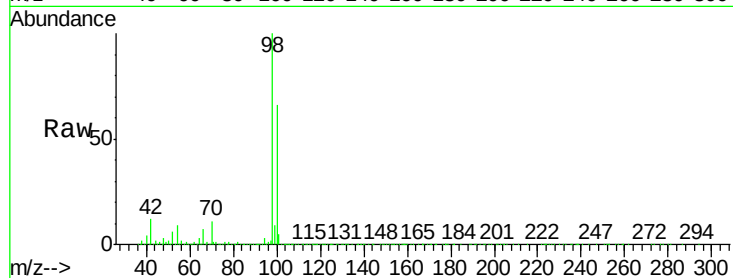




#50
Toluene-d8
Concen: 51.18 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015150.D
Acq: 09 Mar 2020 17:59

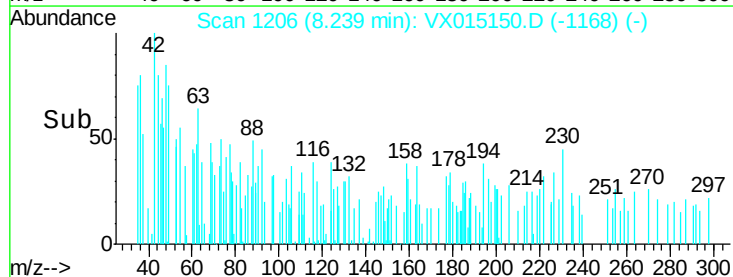
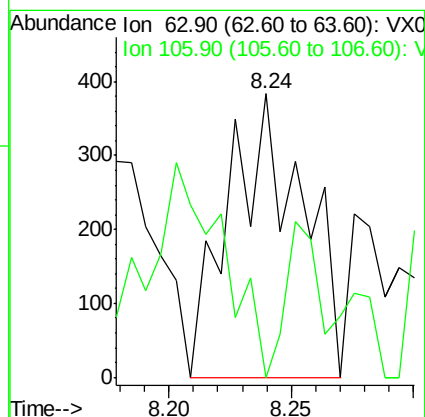
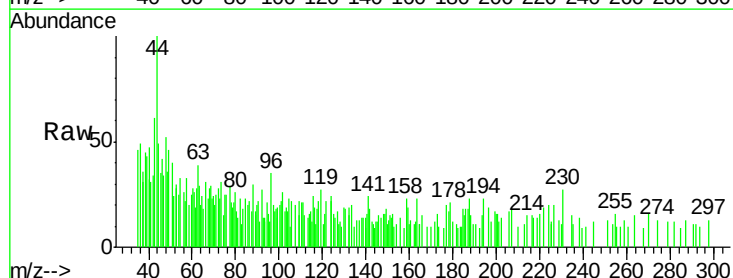
Instrument :
MSVOA_X
ClientSampleId :
IBLK

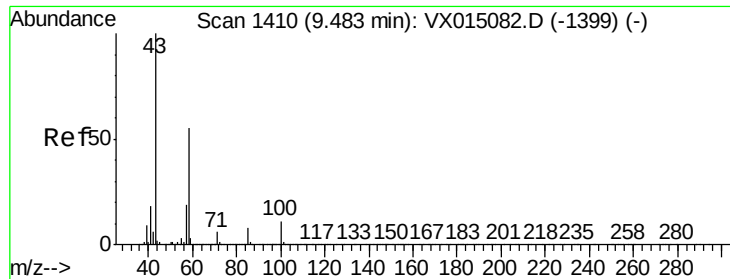
Tgt Ion: 98 Resp: 645044
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#58
2-Chloroethyl Vinyl ether
Concen: 0.28 ug/l
RT: 8.24 min Scan# 1206
Delta R.T. -0.07 min
Lab File: VX015150.D
Acq: 09 Mar 2020 17:59

Tgt Ion: 63 Resp: 802
Ion Ratio Lower Upper
63 100
106 27.3 22.8 34.2





#59

2-Hexanone

Concen: 0.24 ug/l

RT: 9.52 min Scan# 1416

Delta R.T. 0.04 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

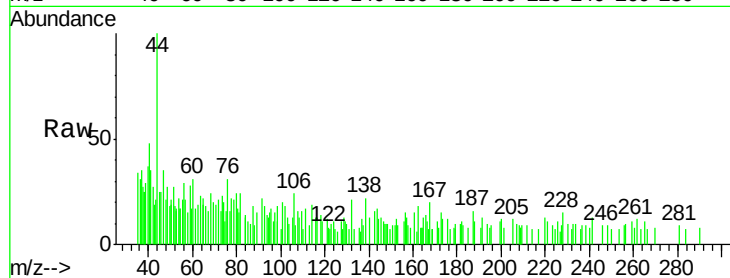
IBLK

Tgt Ion: 43 Resp: 844

Ion Ratio Lower Upper

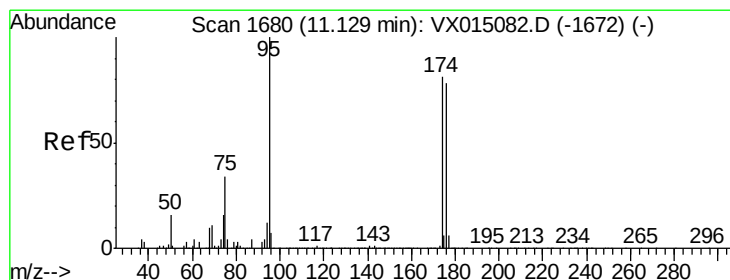
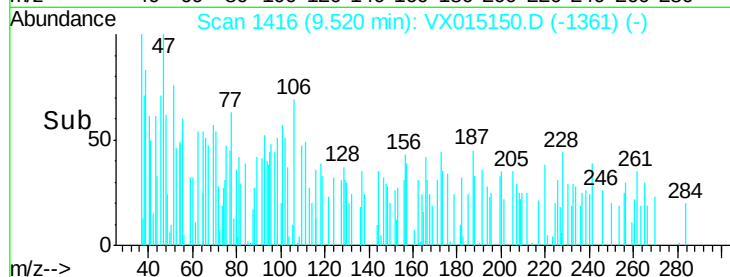
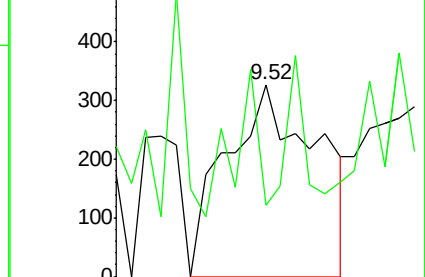
43 100

58 30.3 27.3 81.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 52.30 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

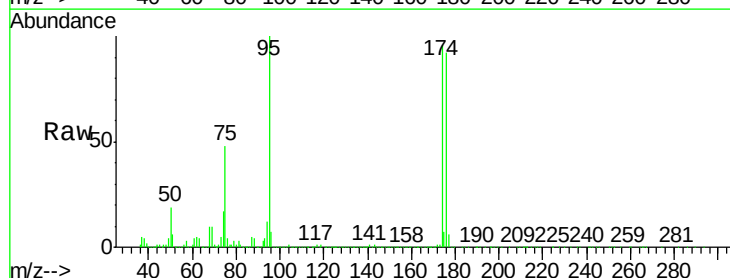
Tgt Ion: 95 Resp: 235115

Ion Ratio Lower Upper

95 100

174 90.7 0.0 177.6

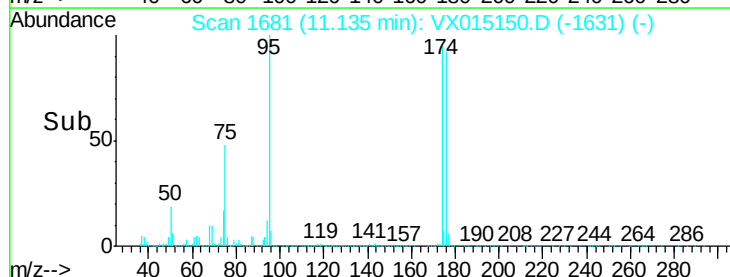
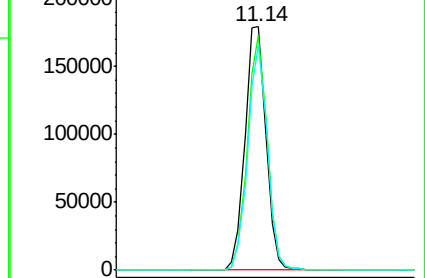
176 85.9 0.0 170.2

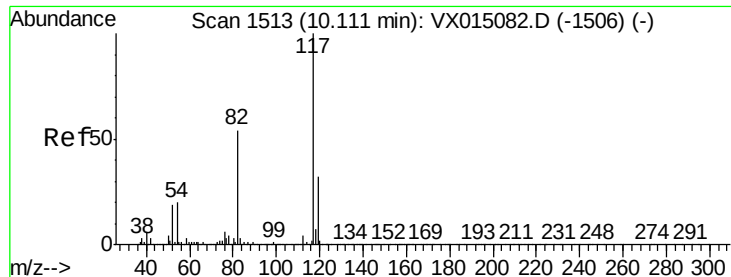


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

Instrument :

MSVOA_X

ClientSampled :

IBLK

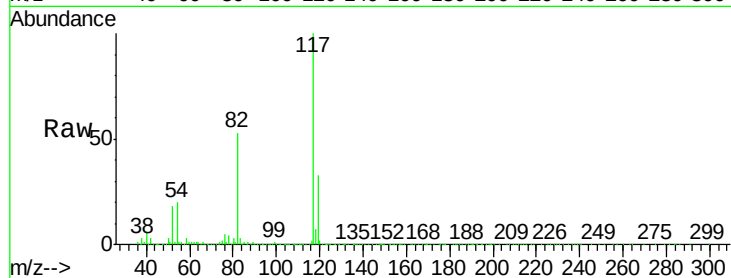
Tgt Ion:117 Resp: 514887

Ion Ratio Lower Upper

117 100

82 52.9 43.3 64.9

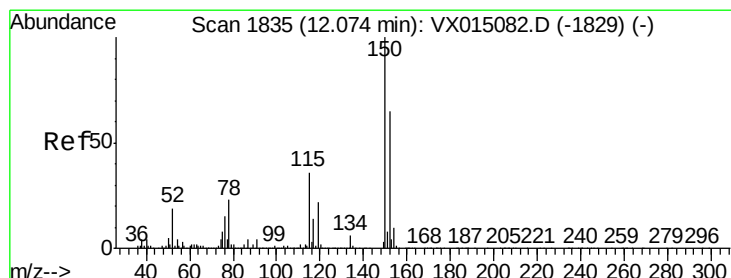
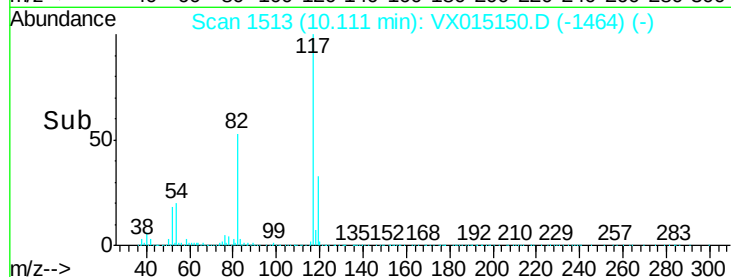
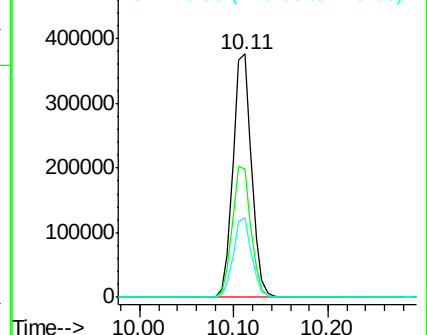
119 32.5 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

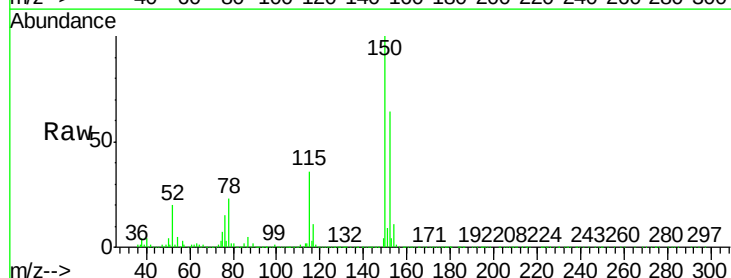
Tgt Ion:152 Resp: 262021

Ion Ratio Lower Upper

152 100

115 55.8 38.2 114.6

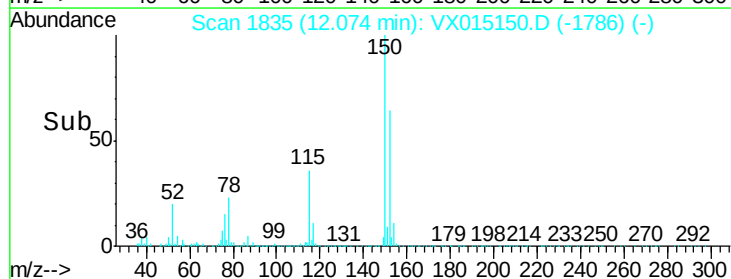
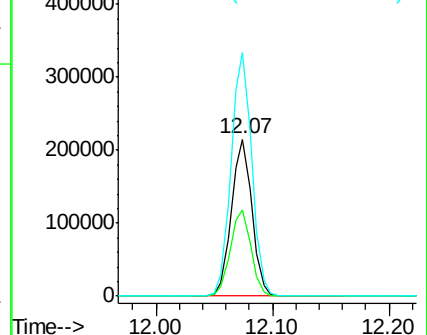
150 156.3 0.0 343.8

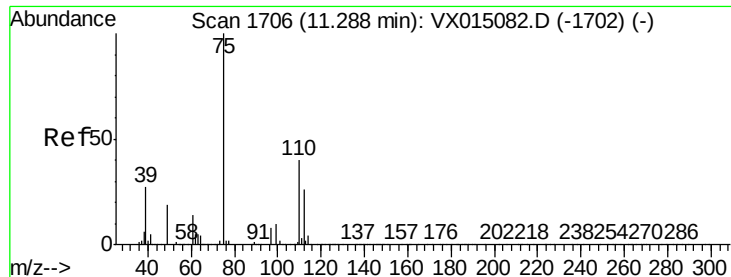


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.58 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

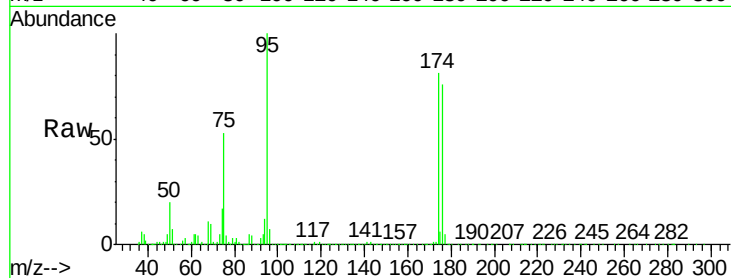
IBLK

Tgt Ion: 75 Resp: 118011

Ion Ratio Lower Upper

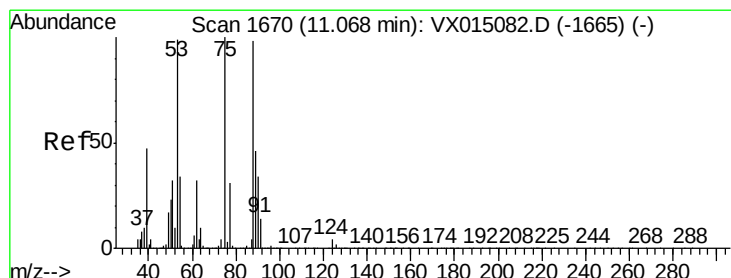
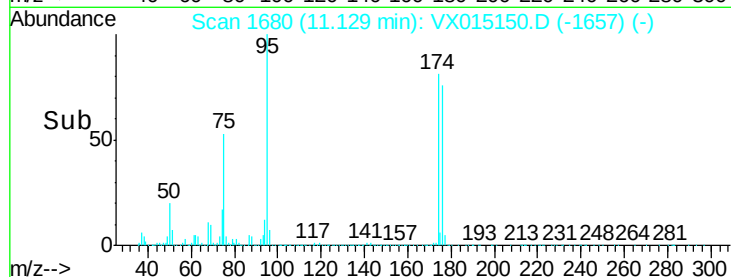
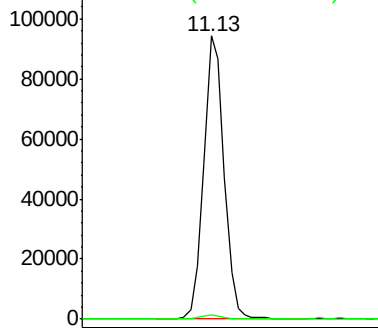
75 100

77 1.7 22.6 67.8#



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: 64.08 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015150.D

Acq: 09 Mar 2020 17:59

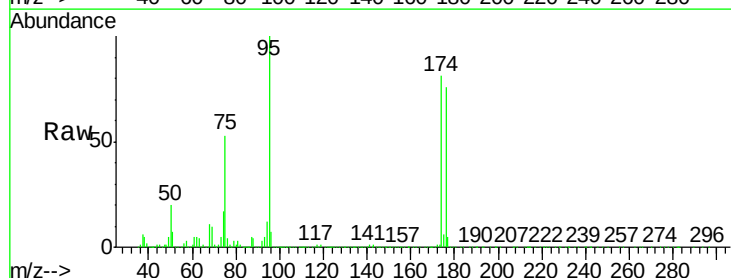
Tgt Ion: 75 Resp: 118011

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

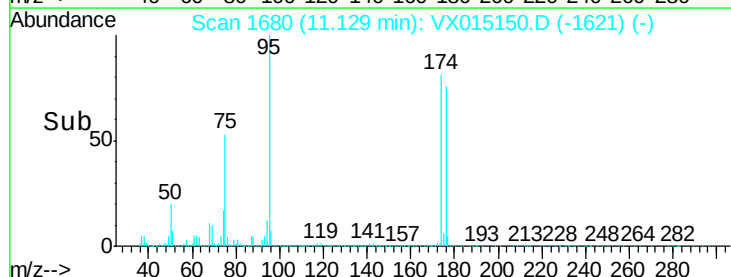
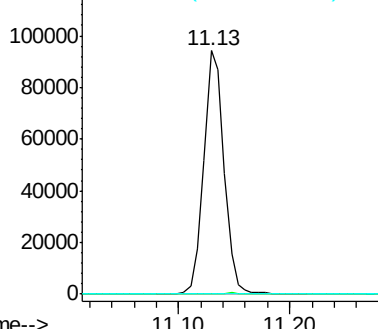
89 0.1 36.2 54.2#

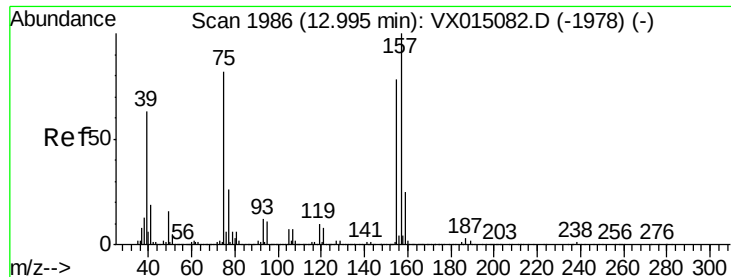


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

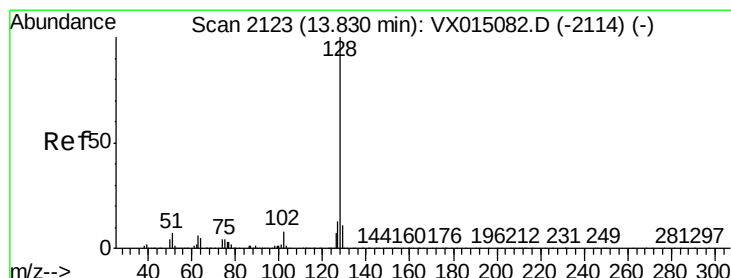
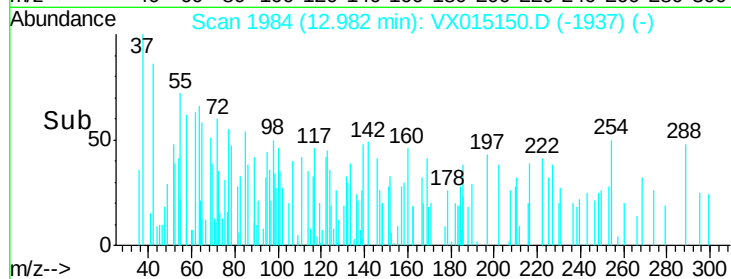
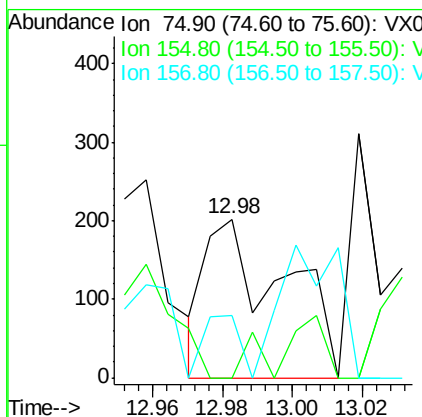
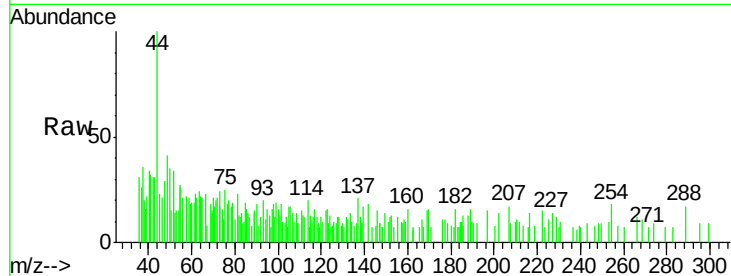




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.28 ug/l
 RT: 12.98 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VX015150.D
 Acq: 09 Mar 2020 17:59

Instrument :
 MSVOA_X
 ClientSampled :
 IBLK

Tgt Ion: 75 Resp: 315
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.6 139.7#
 157 0.0 59.2 177.5#



#95
 Naphthalene
 Concen: 1.46 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX015150.D
 Acq: 09 Mar 2020 17:59

Tgt Ion: 128 Resp: 755
 Ion Ratio Lower Upper
 128 100
 127 7.9 10.3 15.5#
 129 35.4 8.6 13.0#

