

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010832.D
 Acq On : 12 Jul 2019 13:42
 Operator : JC/SP
 Sample : K3782-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY0300F003-SW-190711

Quant Time: Jul 13 01:38:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	306871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141584	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	108358	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
35) Dibromofluoromethane	5.50	113	103753	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	8.71	98	397932	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	11.13	95	133172	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	

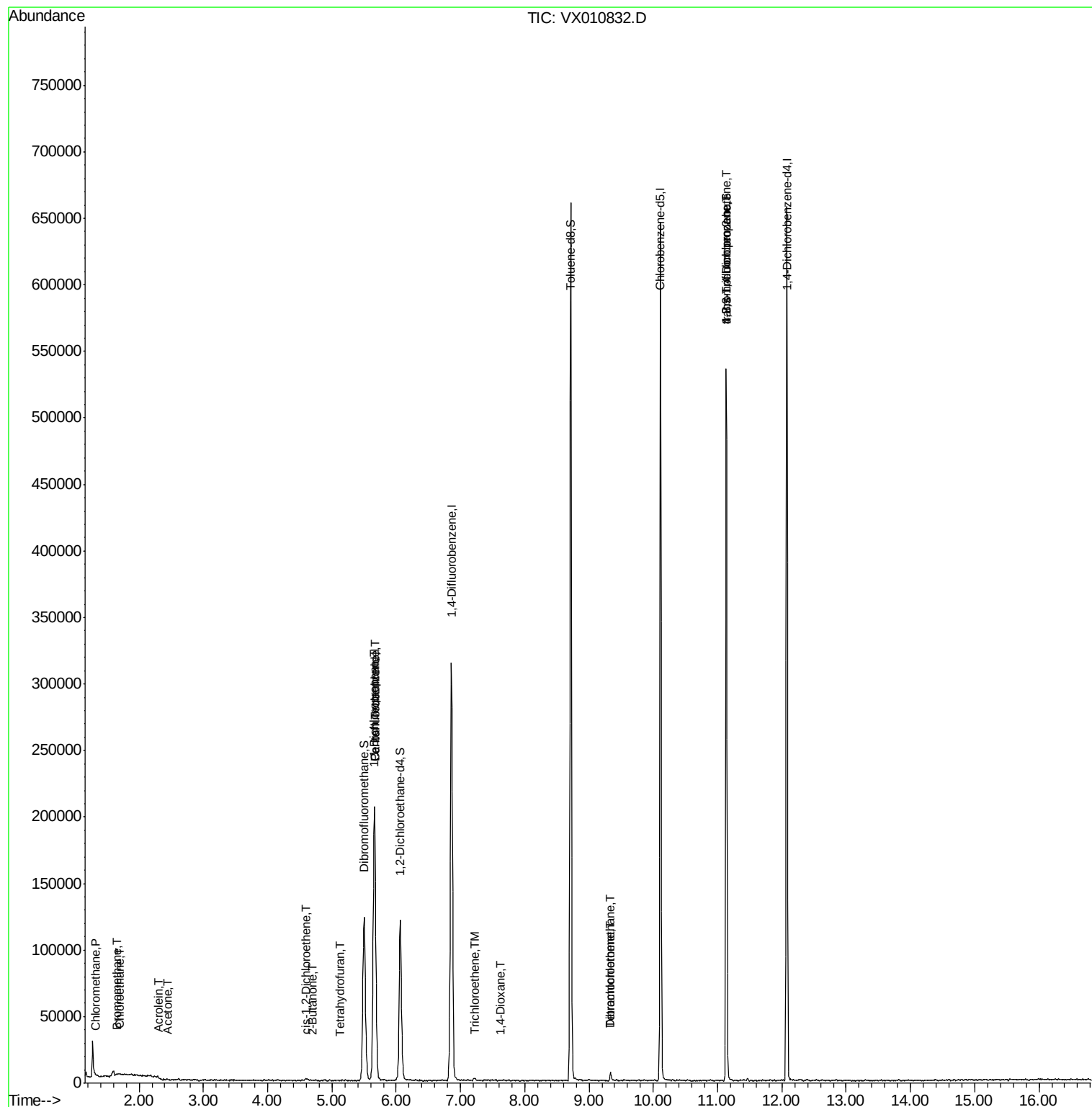
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	551	0.321	ug/l	93
5) Bromomethane	1.65	94	396	0.432	ug/l	85
6) Chloroethane	1.71	64	528	0.476	ug/l #	41
13) Acrolein	2.30	56	89	0.258	ug/l #	37
16) Acetone	2.45	43	664	0.667	ug/l	98
25) 2-Butanone	4.69	43	361	0.247	ug/l #	46
27) cis-1,2-Dichloroethene	4.60	96	769	0.337	ug/l	93
29) Tetrahydrofuran	5.12	42	247	0.273	ug/l #	28
36) 1,1-Dichloropropene	5.65	75	13905	5.223	ug/l #	48
38) Carbon Tetrachloride	5.67	117	19241	6.675	ug/l #	15
44) Trichloroethene	7.23	130	614	0.247	ug/l	92
49) 1,4-Dioxane	7.63	88	20	0.330	ug/l #	1
60) Dibromochloromethane	9.34	129	987	0.391	ug/l #	13
64) Tetrachloroethene	9.34	164	978	0.394	ug/l #	84
76) 1,2,3-Trichloropropane	11.13	75	65947	25.561	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65947	59.630	ug/l #	16

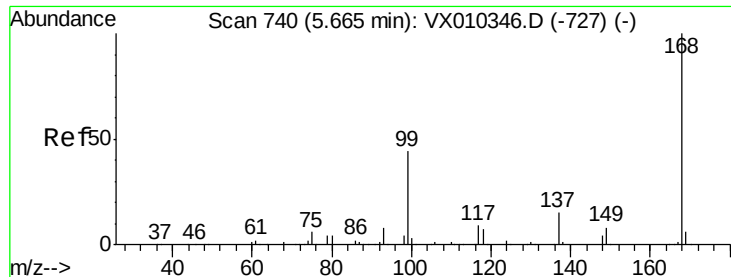
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010832.D

Acq: 12 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

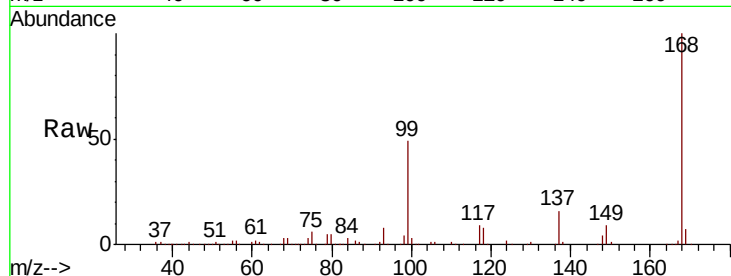
KY0300F003-SW-190711

Tot Ion:168 Resp: 211990

Ion Ratio Lower Upper

168 100

99 48.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

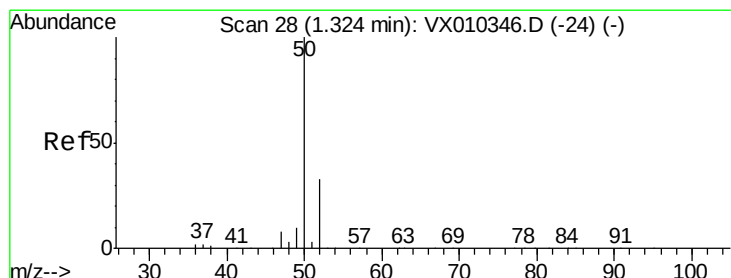
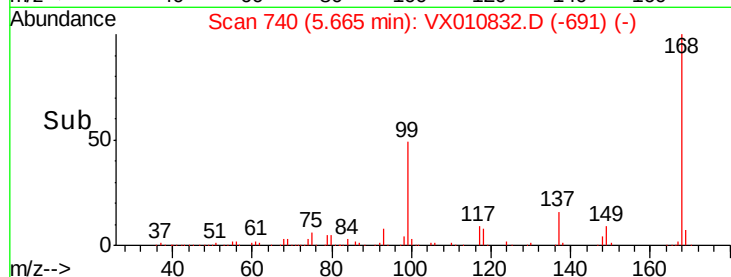
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.321 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010832.D

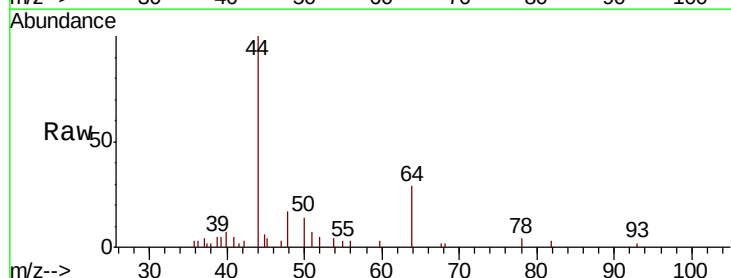
Acq: 12 Jul 2019 13:42

Tgt Ion: 50 Resp: 551

Ion Ratio Lower Upper

50 100

52 37.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

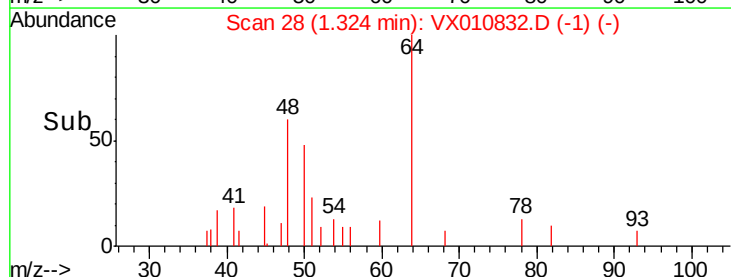
200

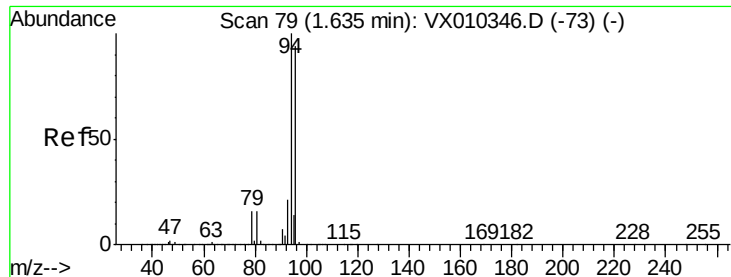
100

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.432 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010832.D

Acq: 12 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

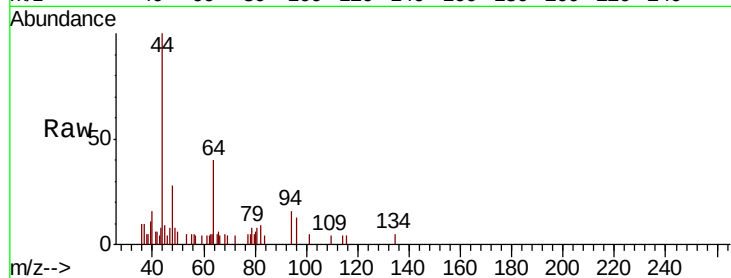
KY0300F003-SW-190711

Tot Ion: 94 Resp: 396

Ion Ratio Lower Upper

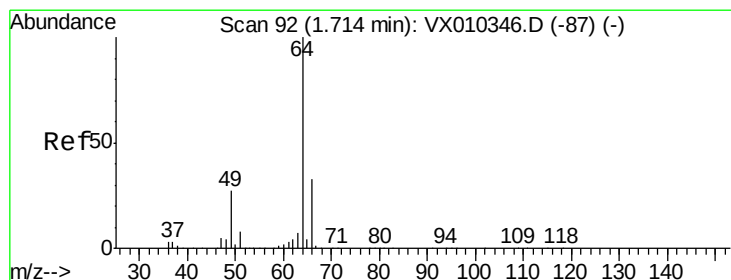
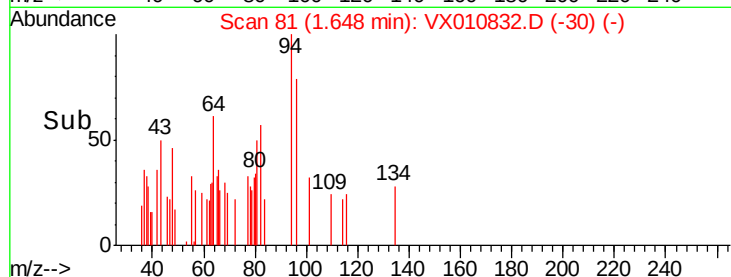
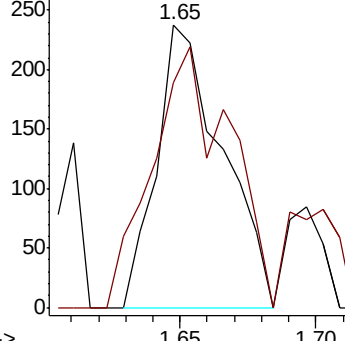
94 100

96 79.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.476 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010832.D

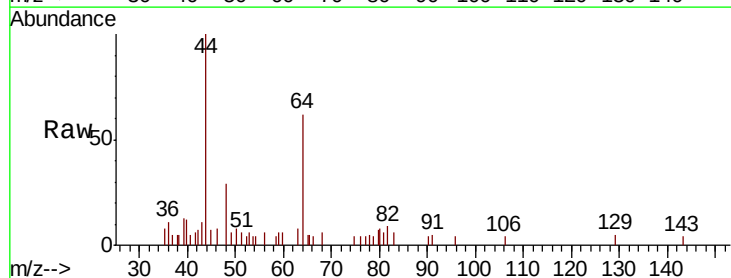
Acq: 12 Jul 2019 13:42

Tgt Ion: 64 Resp: 528

Ion Ratio Lower Upper

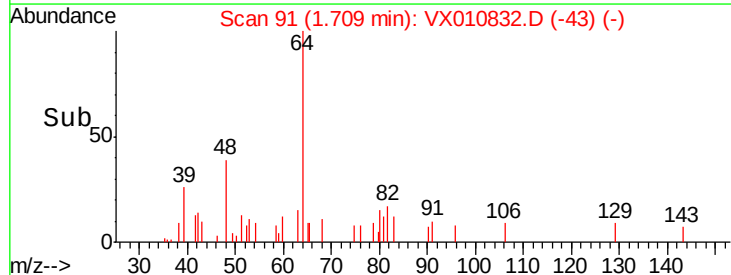
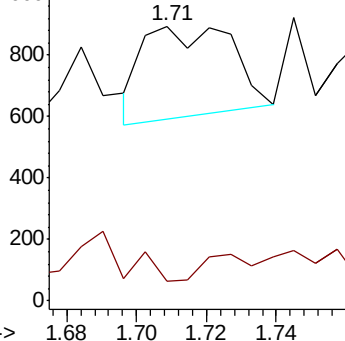
64 100

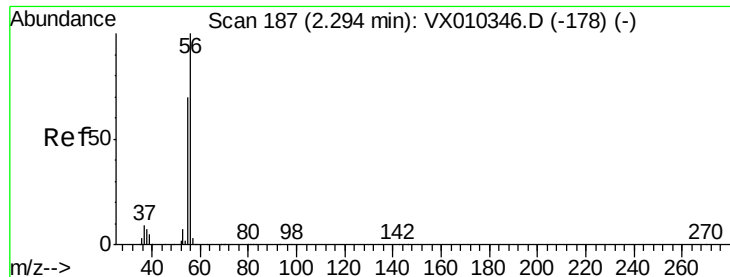
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 0.258 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010832.D

Acq: 12 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

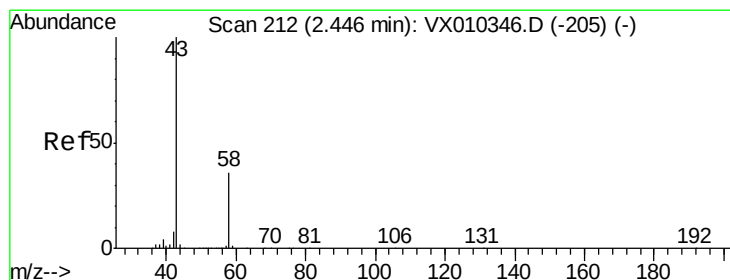
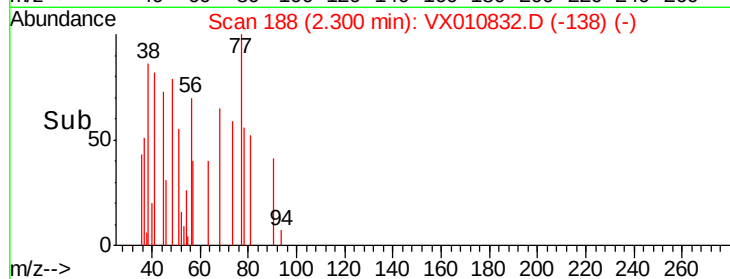
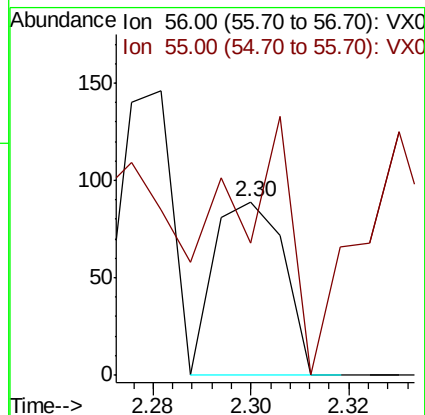
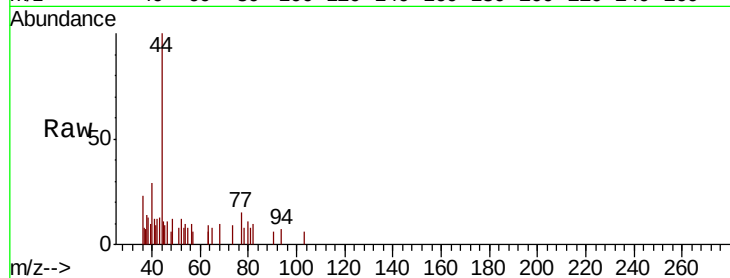
KY0300F003-SW-190711

Tot Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

55 123.6 56.9 85.3#



#16

Acetone

Concen: 0.667 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010832.D

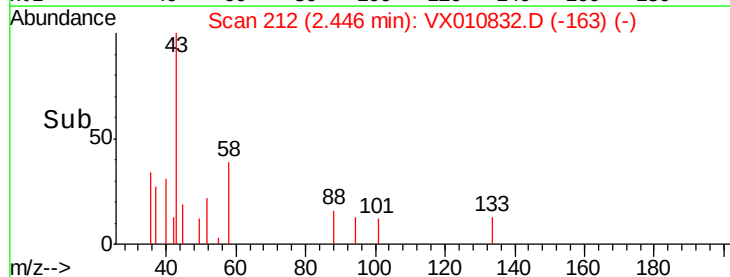
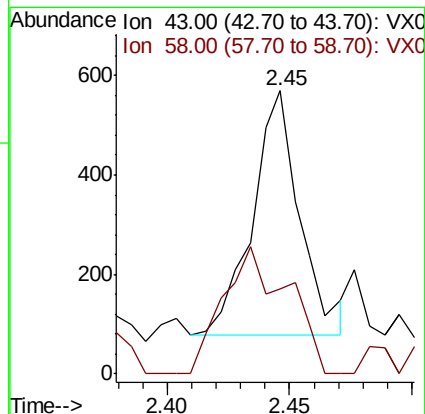
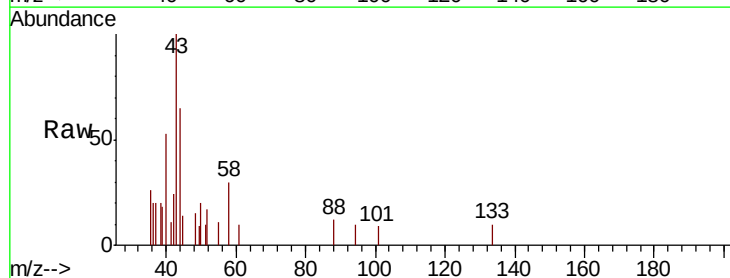
Acq: 12 Jul 2019 13:42

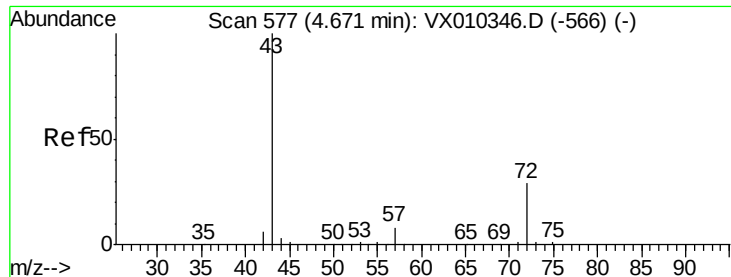
Tgt Ion: 43 Resp: 664

Ion Ratio Lower Upper

43 100

58 34.8 28.9 43.3





#25

2-Butanone

Concen: 0.247 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX010832.D

Acq: 12 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

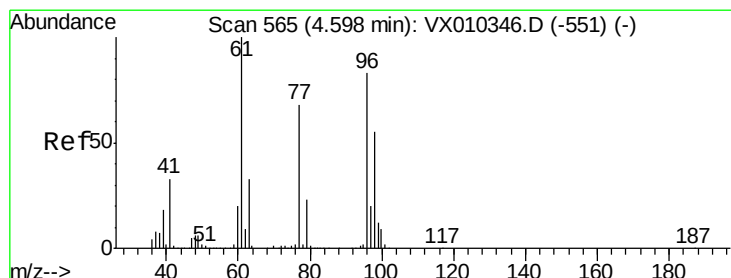
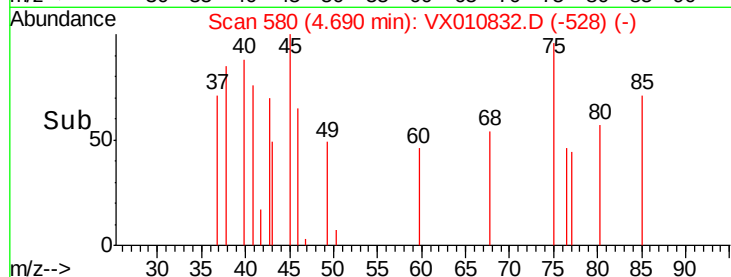
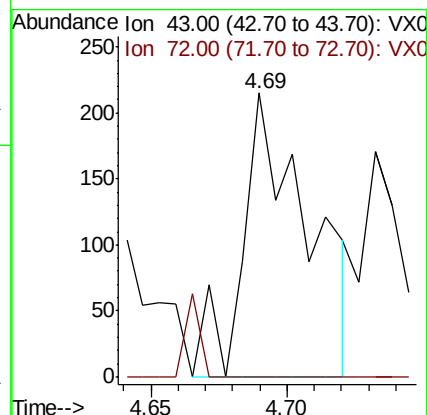
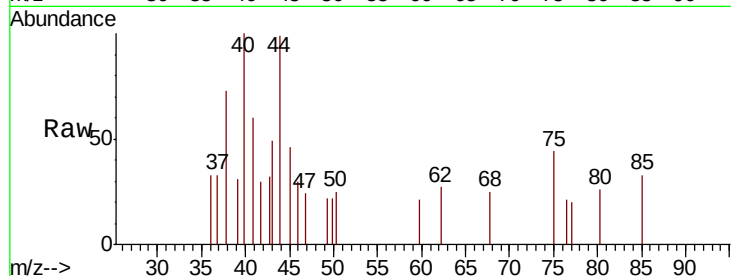
KY0300F003-SW-190711

Tot Ion: 43 Resp: 361

Ion Ratio Lower Upper

43 100

72 0.0 23.3 34.9#



#27

cis-1,2-Dichloroethene

Concen: 0.337 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX010832.D

Acq: 12 Jul 2019 13:42

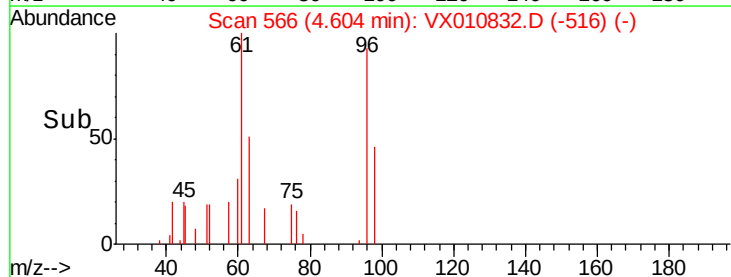
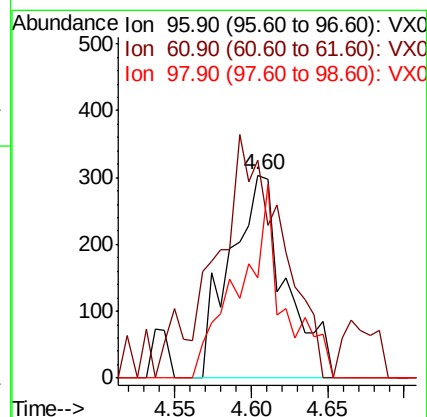
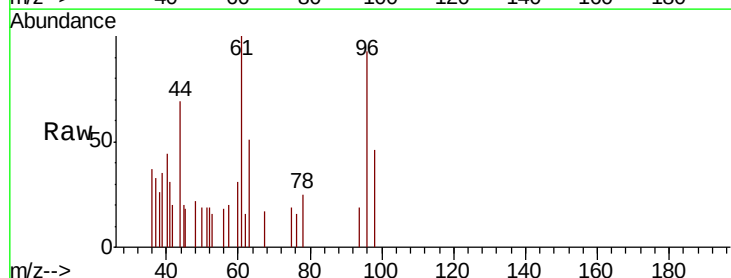
Tgt Ion: 96 Resp: 769

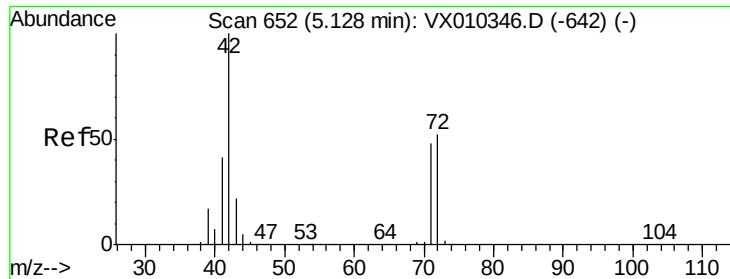
Ion Ratio Lower Upper

96 100

61 129.8 0.0 251.8

98 75.3 0.0 129.4





#29

Tetrahydrofuran

Concen: 0.273 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX010832.D

Acq: 12 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

KY0300F003-SW-190711

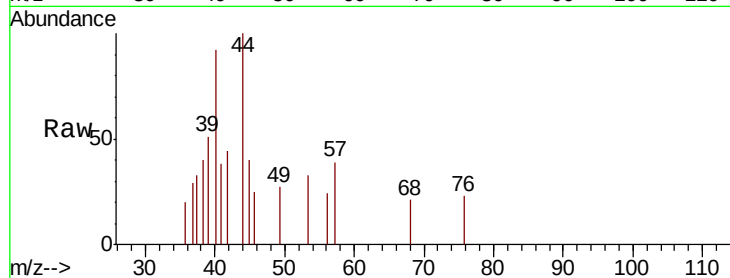
Tot Ion: 42 Resp: 247

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

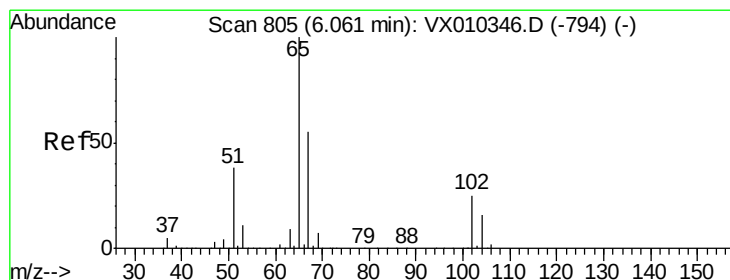
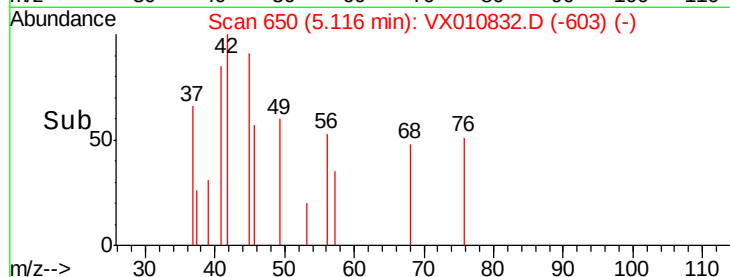
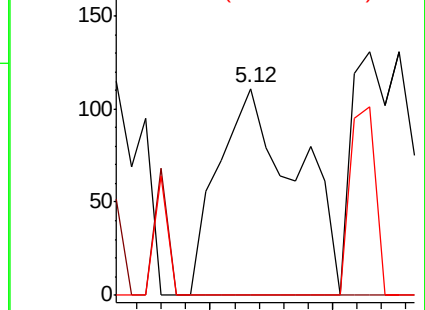
71 0.0 37.8 56.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.517 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010832.D

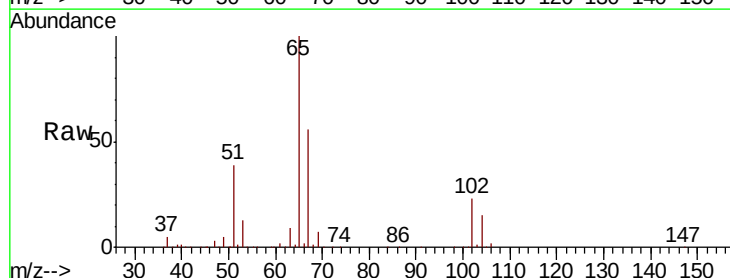
Acq: 12 Jul 2019 13:42

Tgt Ion: 65 Resp: 108358

Ion Ratio Lower Upper

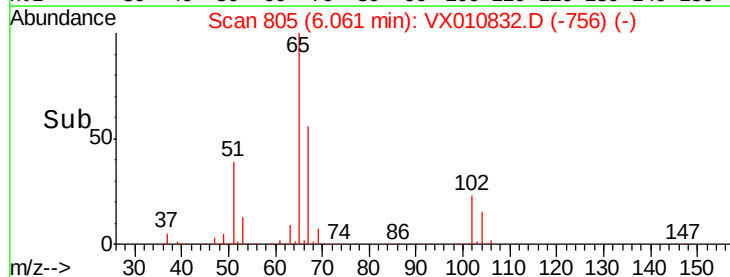
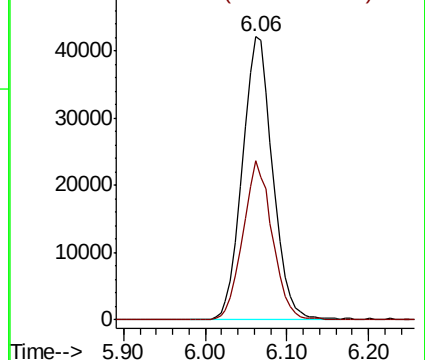
65 100

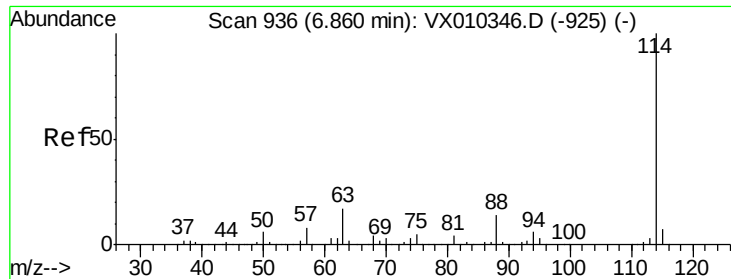
67 54.5 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

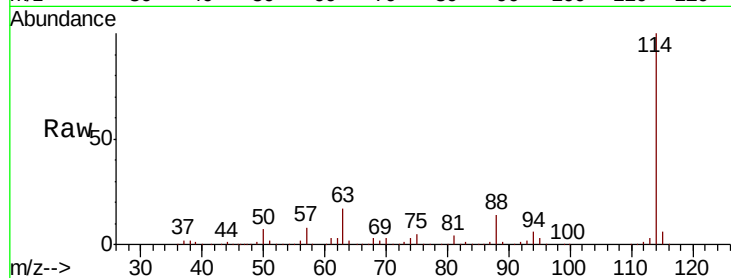




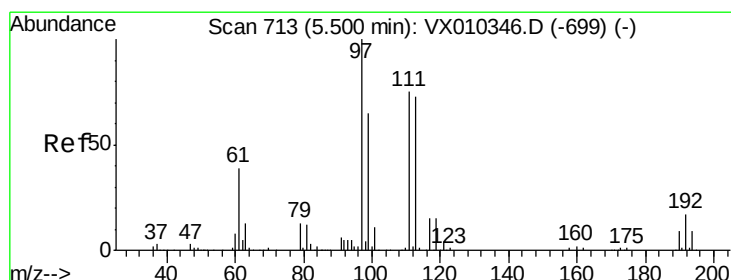
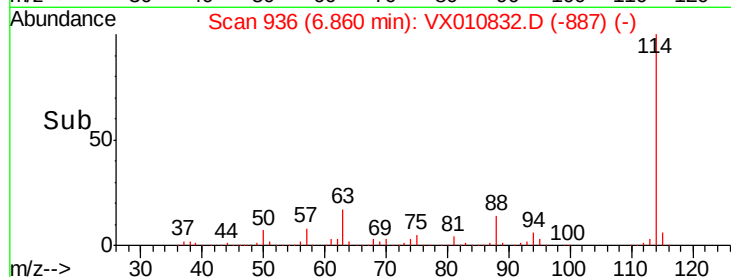
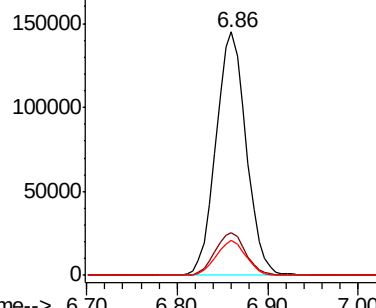
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010832.D
Acq: 12 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
KY030OF003-SW-190711

Tot Ion:114 Resp: 334998
Ion Ratio Lower Upper
114 100
63 17.3 0.0 33.8
88 14.3 0.0 27.6

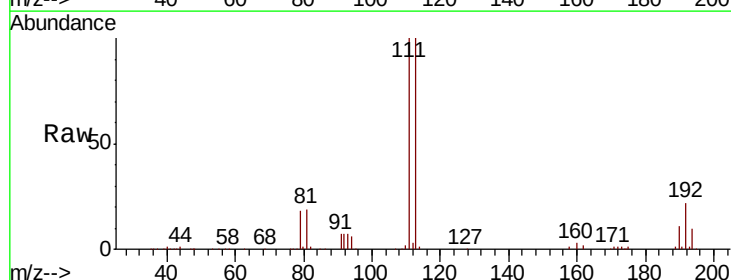


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

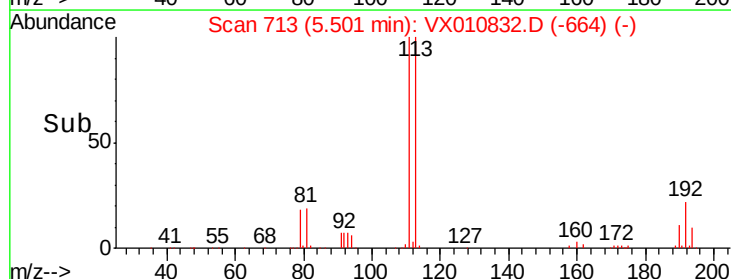
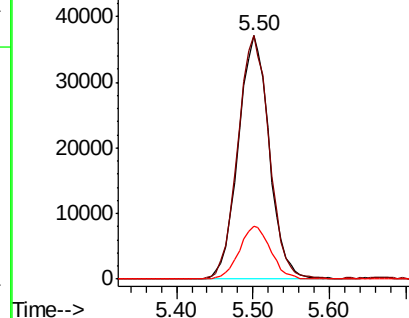


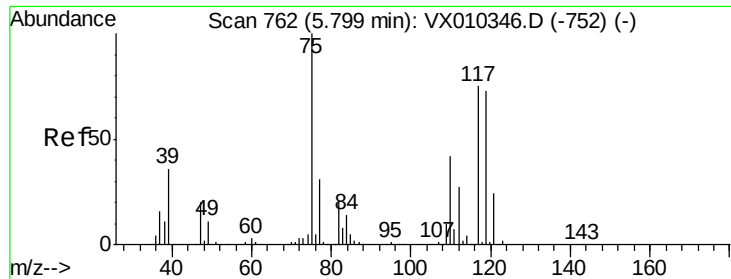
#35
Dibromofluoromethane
Concen: 50.620 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010832.D
Acq: 12 Jul 2019 13:42

Tgt Ion:113 Resp: 103753
Ion Ratio Lower Upper
113 100
111 101.4 81.2 121.8
192 22.1 18.6 27.8



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

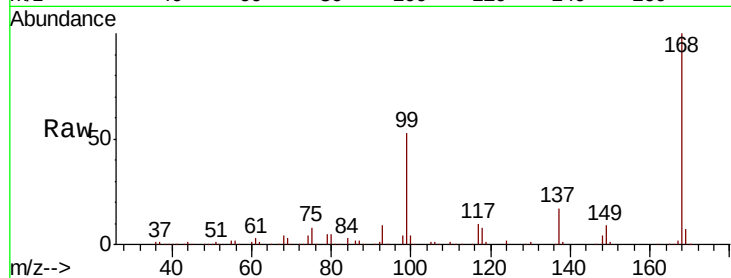




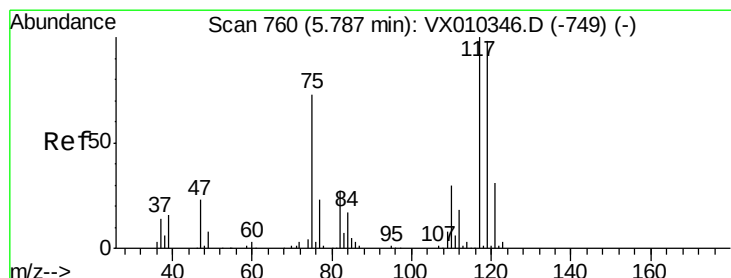
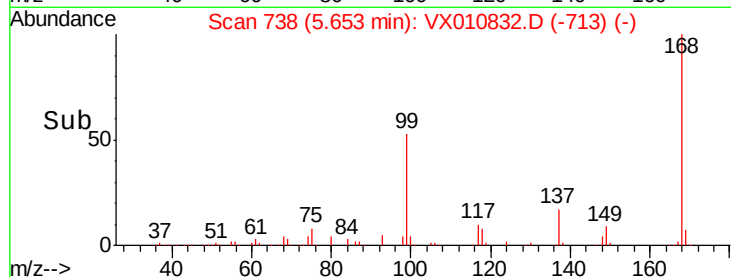
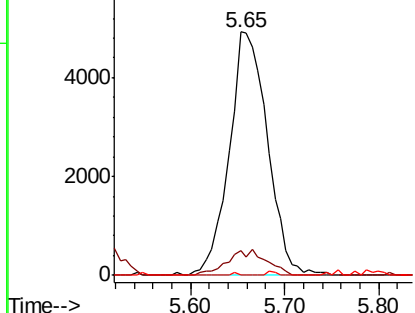
#36
 1,1-Dichloropropene
 Concen: 5.223 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010832.D
 Acq: 12 Jul 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY0300F003-SW-190711

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.7	20.8	62.2#
77	0.2	25.4	38.0#

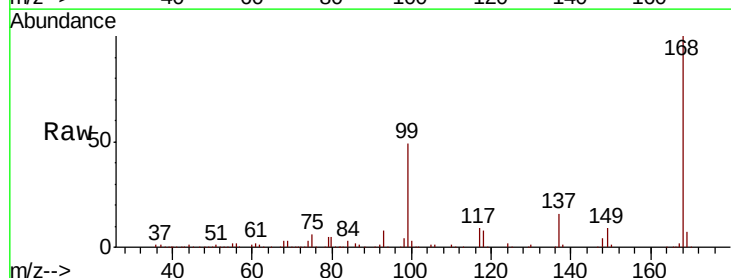


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

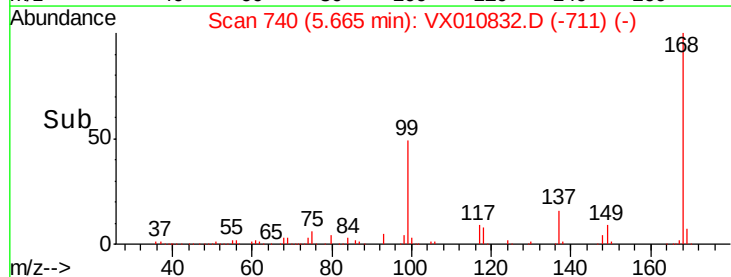
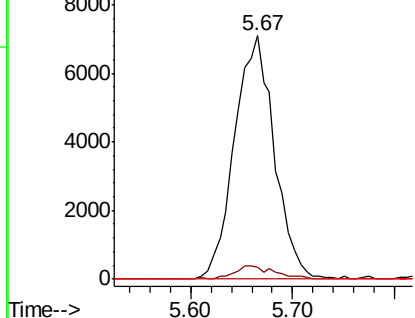


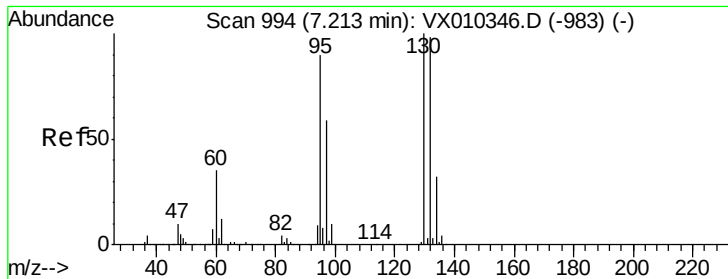
#38
 Carbon Tetrachloride
 Concen: 6.675 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010832.D
 Acq: 12 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.2	117.4#
121	0.0	24.7	37.1#



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: 0.247 ug/l

RT: 7.23 min Scan# 997

Delta R.T. 0.02 min

Lab File: VX010832.D

Acq: 12 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

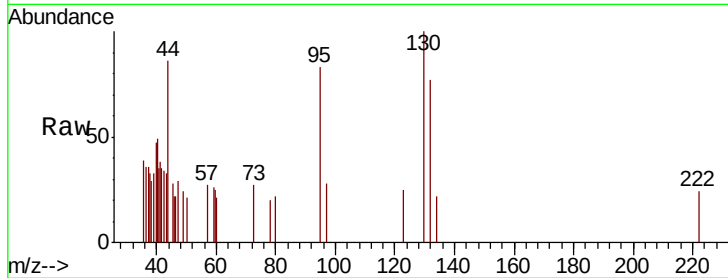
KY0300F003-SW-190711

Tot Ion:130 Resp: 614

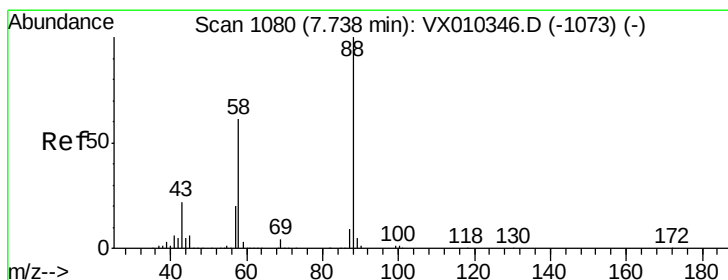
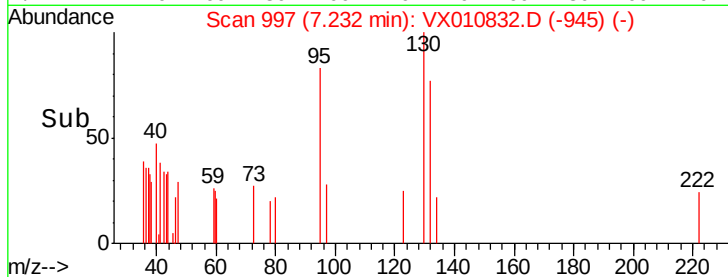
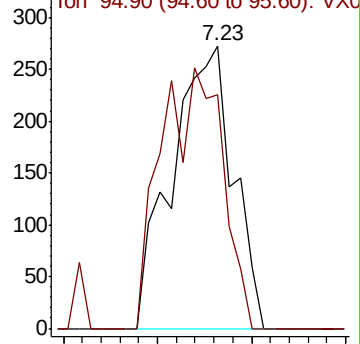
Ion Ratio Lower Upper

130 100

95 82.8 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 0.330 ug/l

RT: 7.63 min Scan# 1062

Delta R.T. -0.11 min

Lab File: VX010832.D

Acq: 12 Jul 2019 13:42

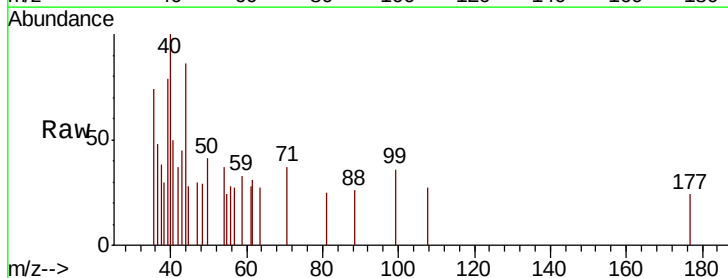
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 520.0 20.2 30.2#

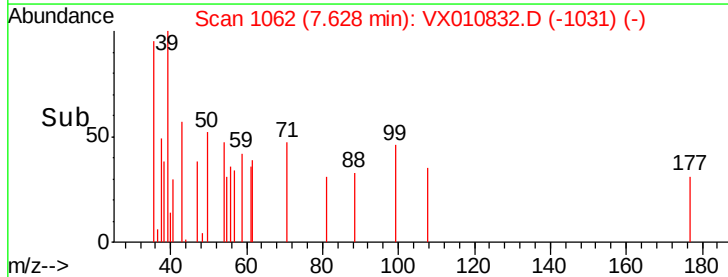
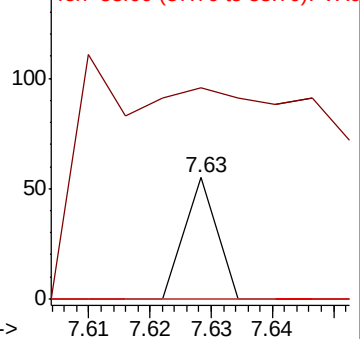
58 0.0 49.5 74.3#

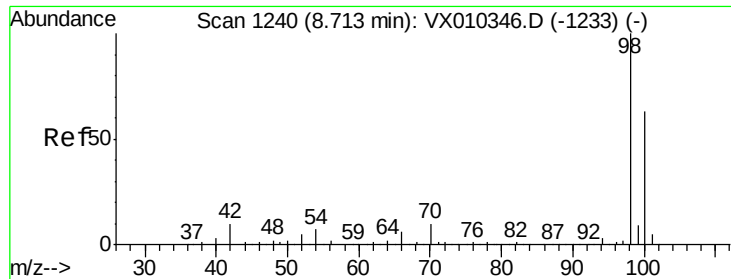


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.747 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010832.D

Acq: 12 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

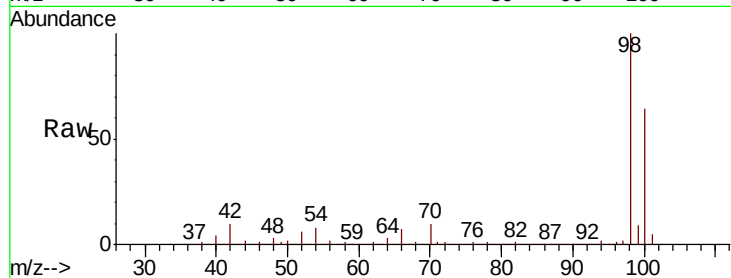
KY0300F003-SW-190711

Tot Ion: 98 Resp: 397932

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

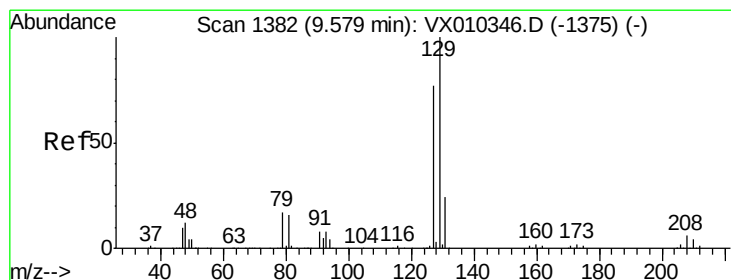
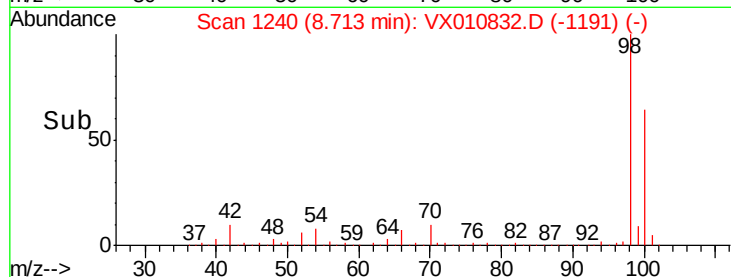
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#60

Dibromochloromethane

Concen: 0.391 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010832.D

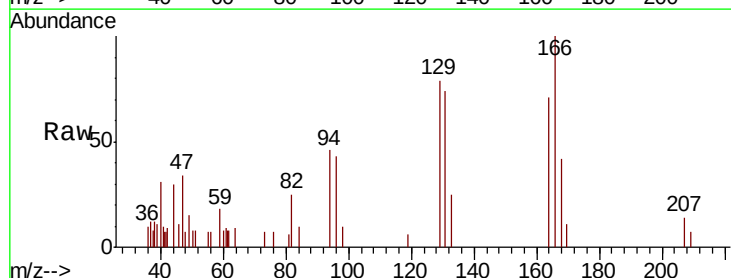
Acq: 12 Jul 2019 13:42

Tgt Ion: 129 Resp: 987

Ion Ratio Lower Upper

129 100

127 1.9 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

800

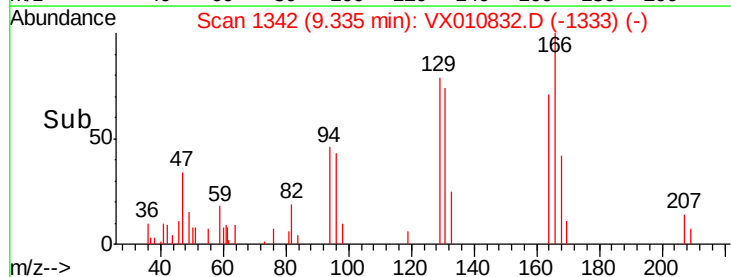
600

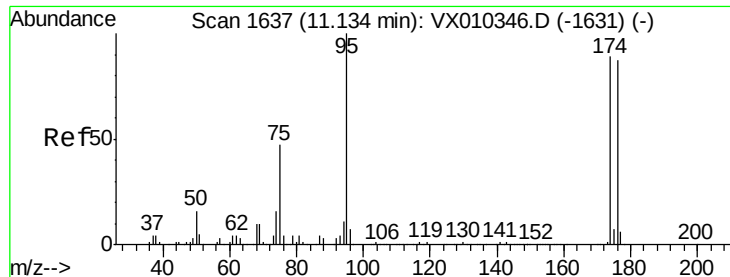
400

200

0

Time--> 9.30 9.35

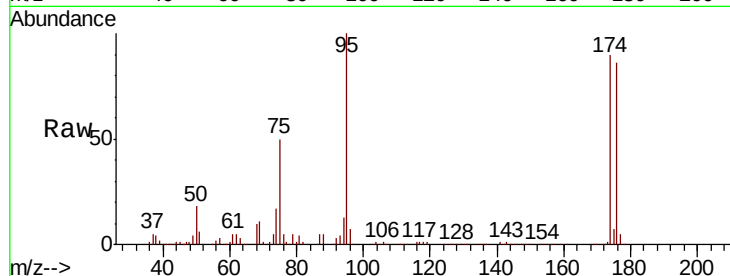




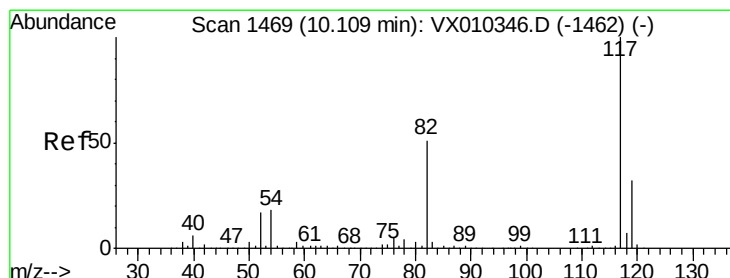
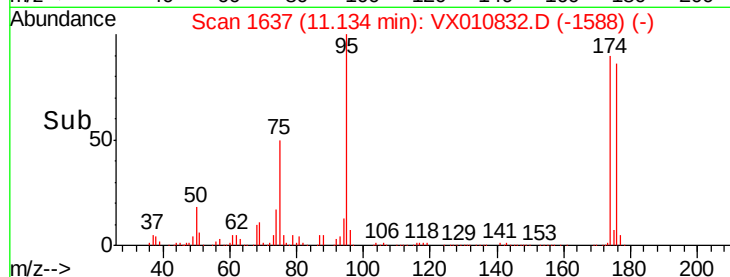
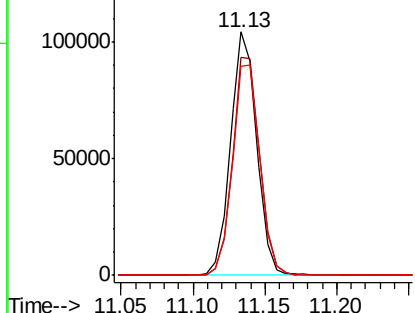
#62
4-Bromofluorobenzene
Concen: 47.040 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010832.D
Acq: 12 Jul 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
KY0300F003-SW-190711

Tot Ion: 95 Resp: 133172
Ion Ratio Lower Upper
95 100
174 92.6 0.0 187.6
176 90.6 0.0 184.0

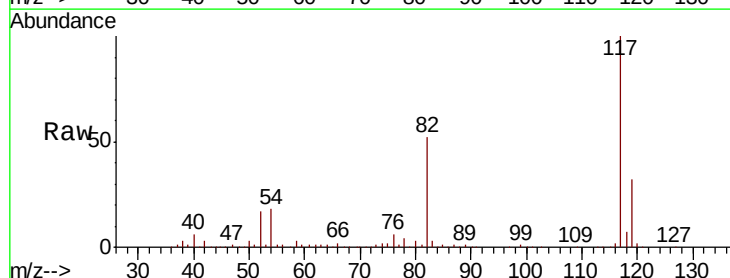


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

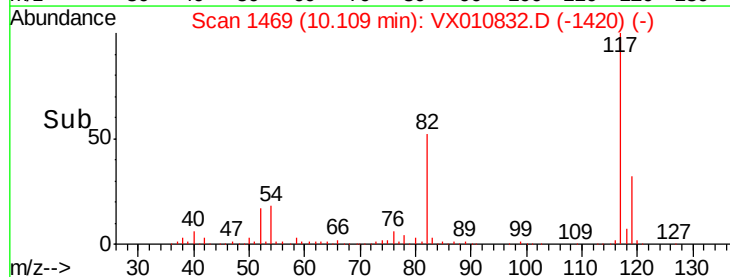
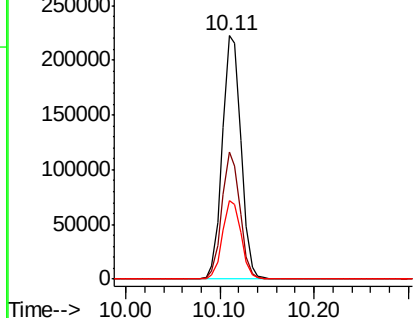


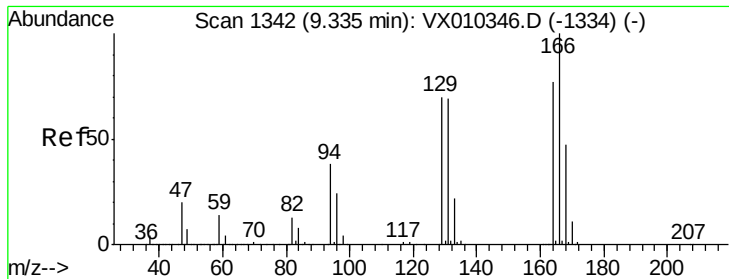
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010832.D
Acq: 12 Jul 2019 13:42

Tgt Ion: 117 Resp: 306871
Ion Ratio Lower Upper
117 100
82 52.4 41.2 61.8
119 32.4 25.5 38.3



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





#64

Tetrachloroethene

Concen: 0.394 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010832.D

Acq: 12 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

KY0300F003-SW-190711

Tot Ion:164 Resp: 978

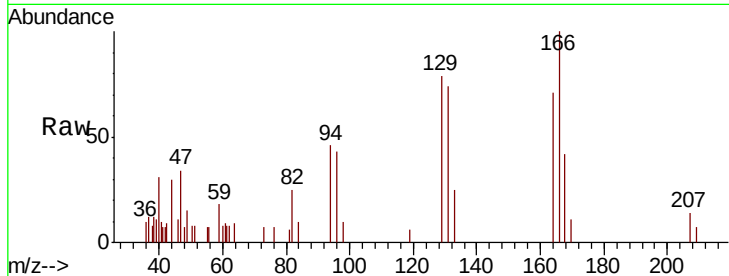
Ion Ratio Lower Upper

164 100

166 141.7 103.6 155.4

129 112.2 73.0 109.4#

131 105.0 71.0 106.4



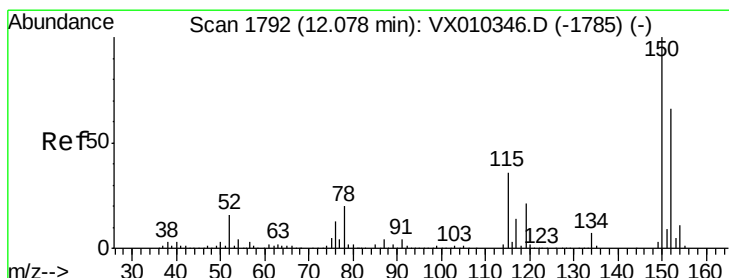
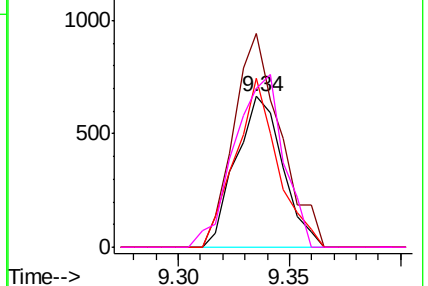
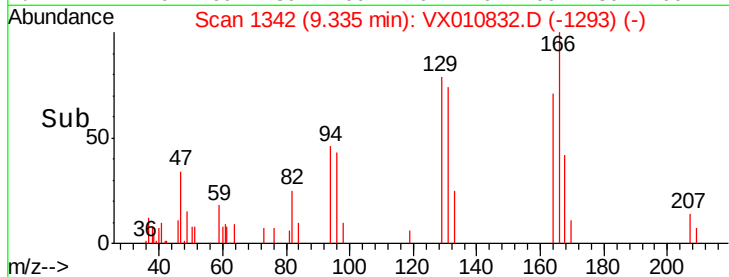
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX010832.D

Acq: 12 Jul 2019 13:42

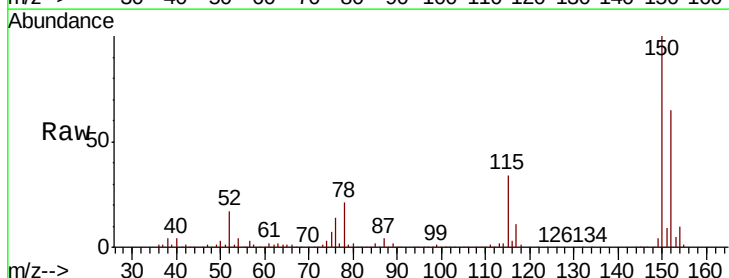
Tgt Ion:152 Resp: 141584

Ion Ratio Lower Upper

152 100

115 55.0 38.6 115.7

150 156.0 0.0 347.4

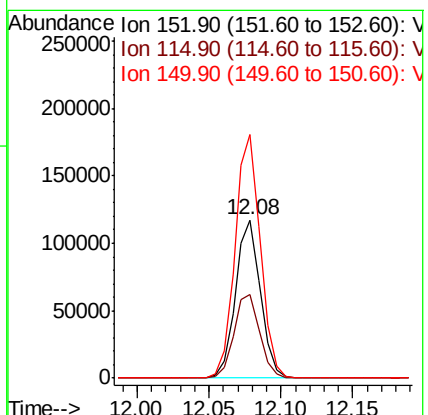
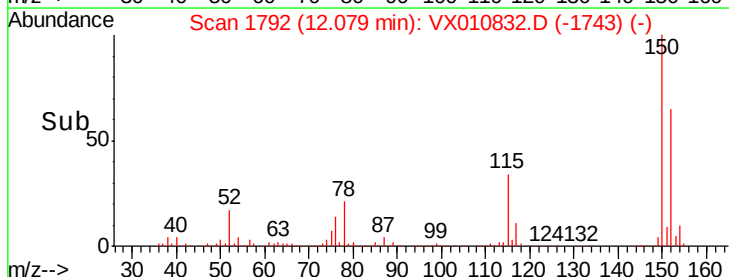


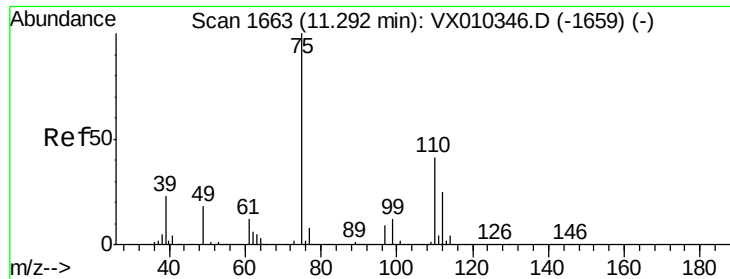
Abundance

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

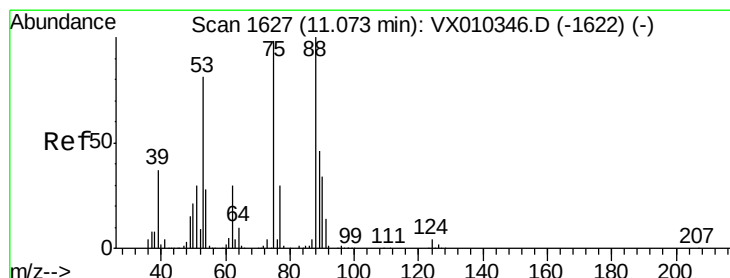
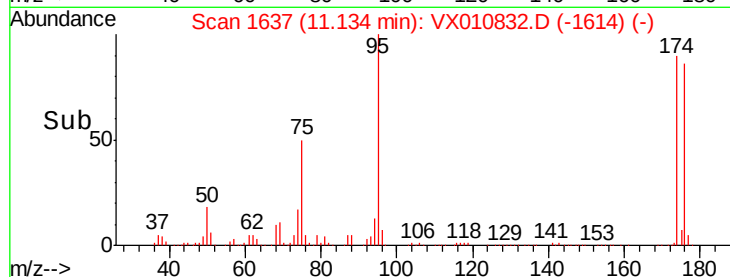
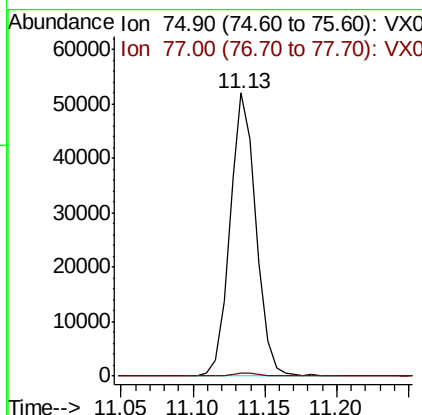
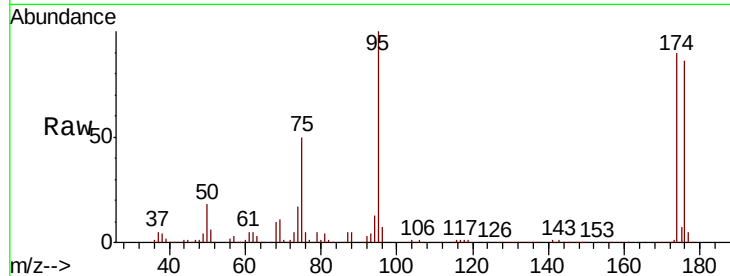




#76
 1,2,3-Trichloropropane
 Concen: 25.561 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010832.D
 Acq: 12 Jul 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY0300F003-SW-190711

Tot Ion: 75 Resp: 65947
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.630 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010832.D
 Acq: 12 Jul 2019 13:42

Tgt Ion: 75 Resp: 65947
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

