

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007402.D
 Acq On : 06 Feb 2019 16:24
 Operator : JC/SP
 Sample : K1380-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS038-190204

Quant Time: Feb 07 00:03:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	559773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	864662	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	815306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	400105	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	303416	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	5.51	113	267947	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
50) Toluene-d8	8.71	98	1038433	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	368875	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	

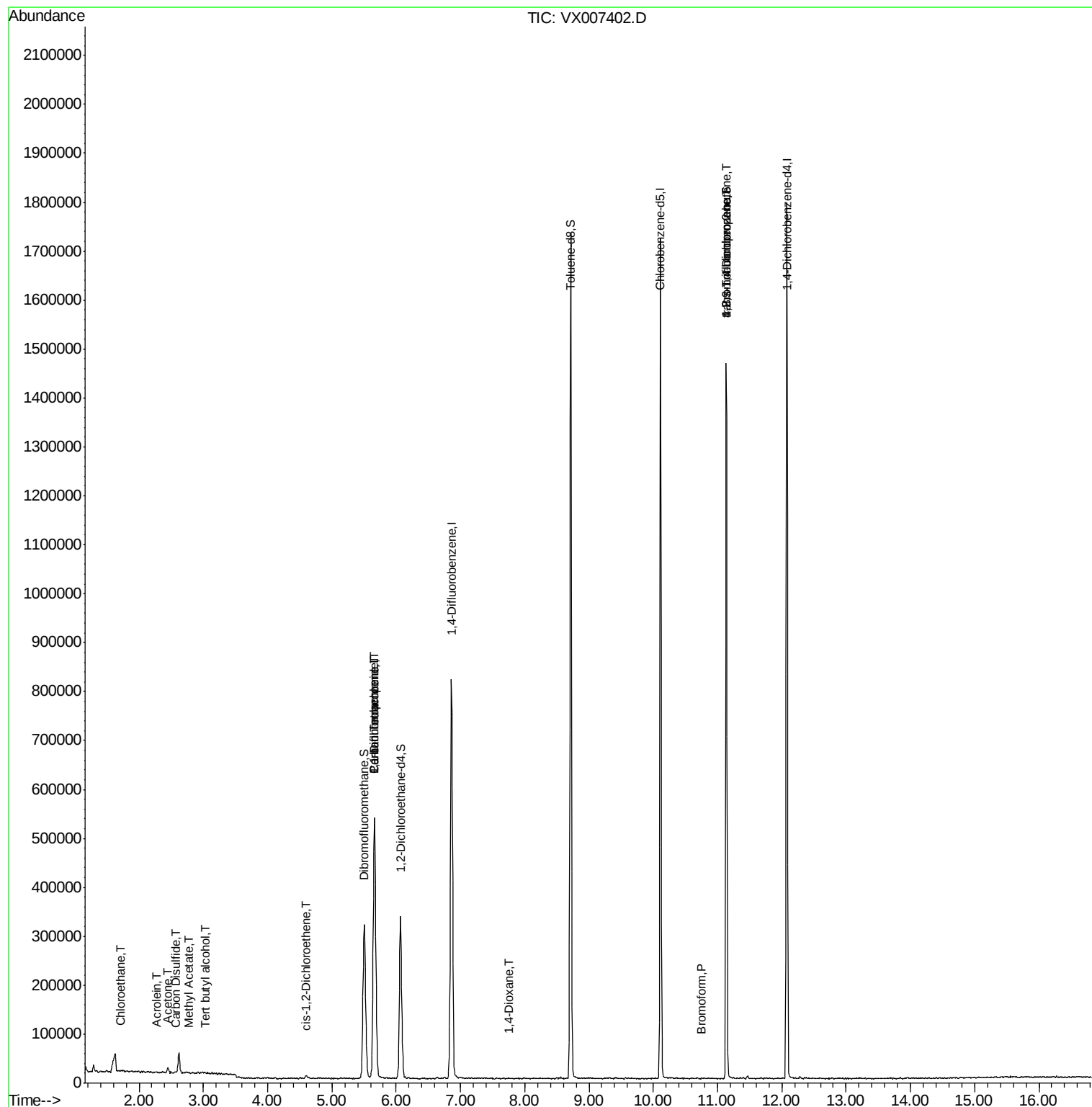
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	613	Below Cal	#	42
6) Chloroethane	1.72	64	1125	0.281	ug/l #	56
11) Tert butyl alcohol	3.02	59	992	0.807	ug/l #	60
13) Acrolein	2.27	56	720	1.249	ug/l #	76
16) Acetone	2.45	43	12249	4.501	ug/l	100
17) Carbon Disulfide	2.57	76	2272	2.277	ug/l	99
18) Methyl Acetate	2.78	43	2442	0.933	ug/l #	69
20) Methylene Chloride	2.86	84	922	Below Cal	#	58
27) cis-1,2-Dichloroethene	4.60	96	3853	0.620	ug/l	90
36) 1,1-Dichloropropene	5.66	75	36522	4.708	ug/l #	45
38) Carbon Tetrachloride	5.66	117	49639	6.595	ug/l #	17
49) 1,4-Dioxane	7.75	88	189	8.242	ug/l #	1
71) Bromoform	10.74	173	106	4.048	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	180448	23.186	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	180448	69.834	ug/l #	9

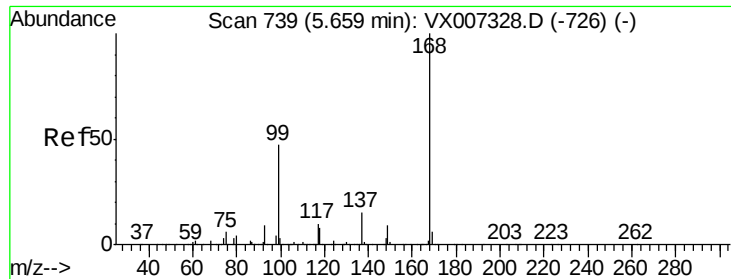
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

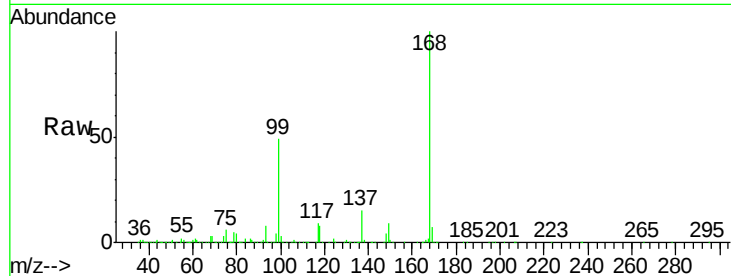
KY038PS038-190204

Tot Ion:168 Resp: 559773

Ion Ratio Lower Upper

168 100

99 48.9 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

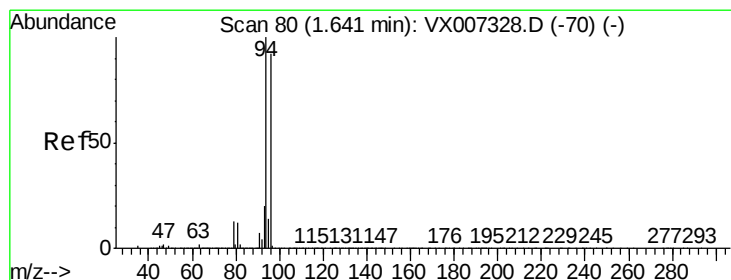
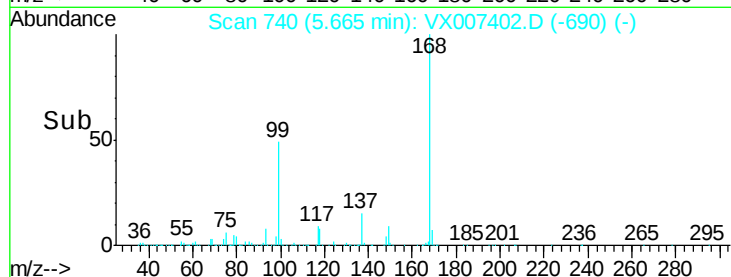
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007402.D

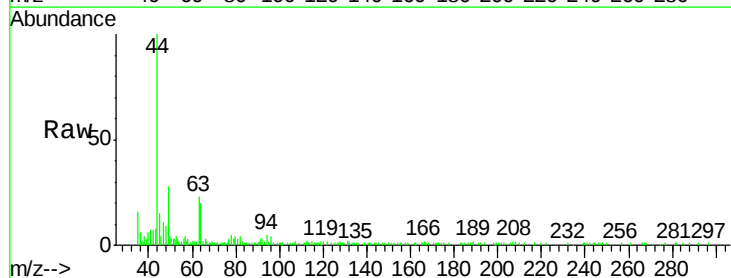
Acq: 06 Feb 2019 16:24

Tgt Ion: 94 Resp: 613

Ion Ratio Lower Upper

94 100

96 36.5 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

500

400

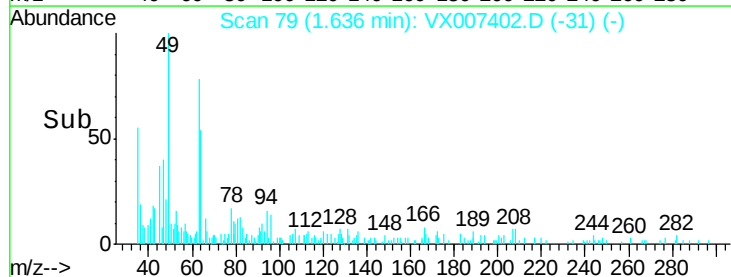
300

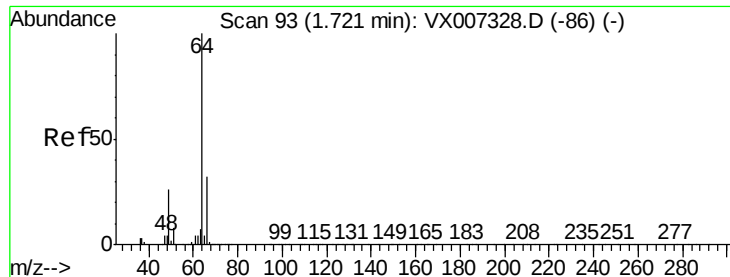
200

100

0

Time-->





#6

Chloroethane

Concen: 0.281 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

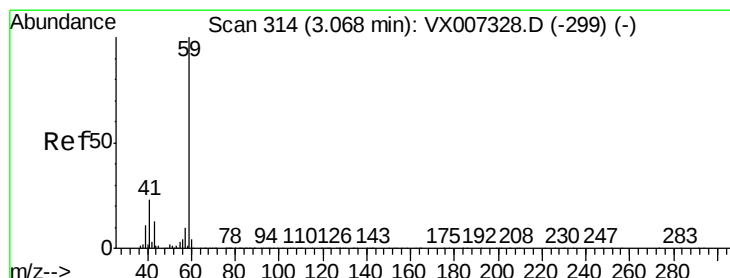
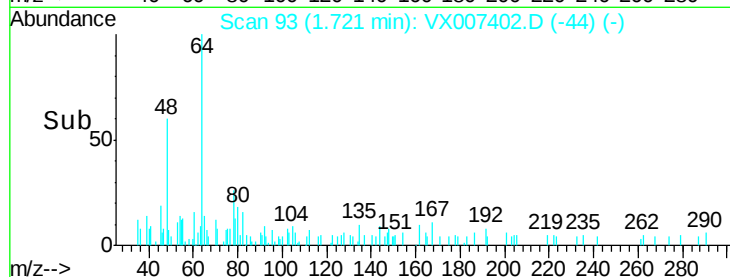
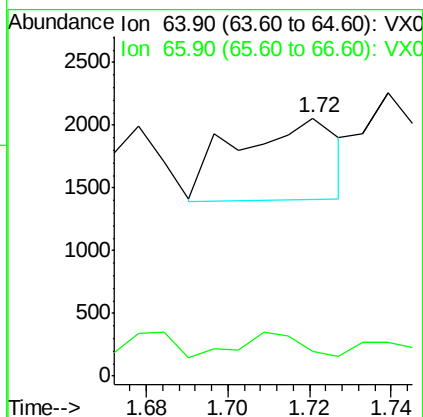
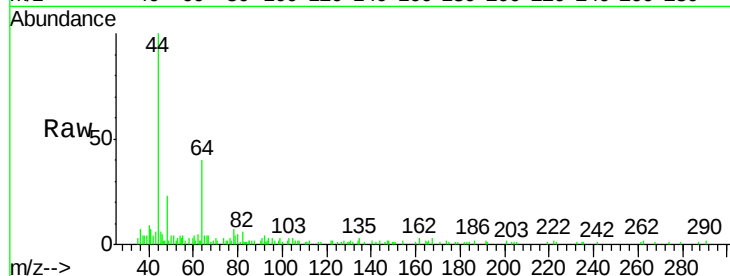
KY038PS038-190204

Tot Ion: 64 Resp: 1125

Ion Ratio Lower Upper

64 100

66 7.4 25.5 38.3#



#11

Tert butyl alcohol

Concen: 0.807 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX007402.D

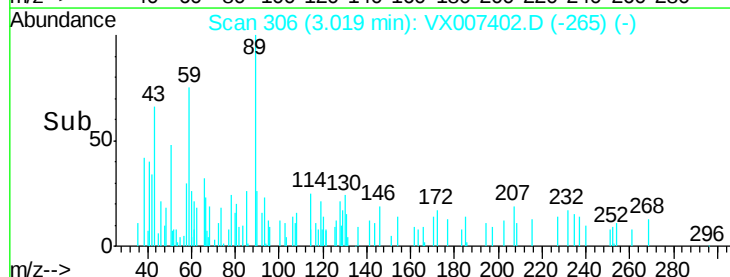
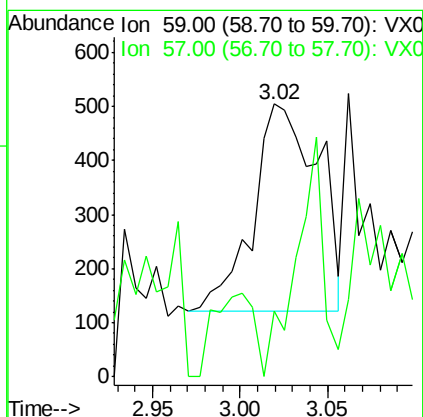
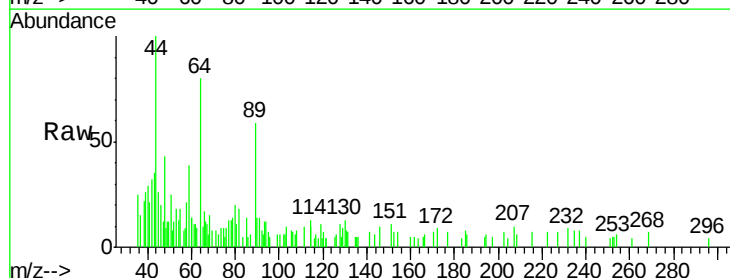
Acq: 06 Feb 2019 16:24

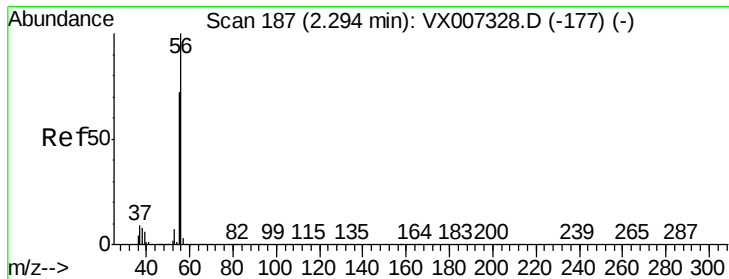
Tgt Ion: 59 Resp: 992

Ion Ratio Lower Upper

59 100

57 24.8 8.1 12.1#





#13

Acrolein

Concen: 1.249 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

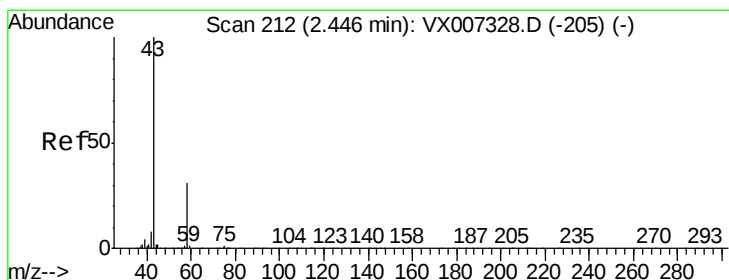
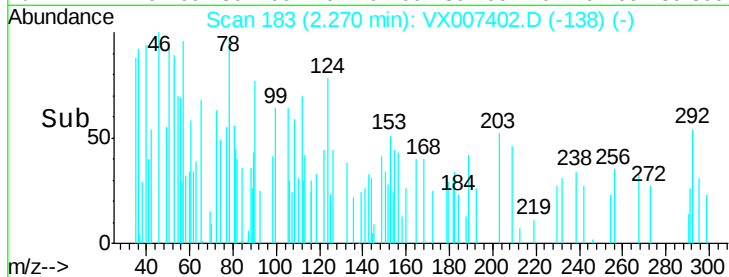
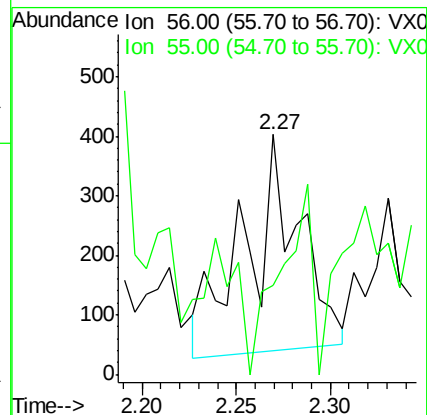
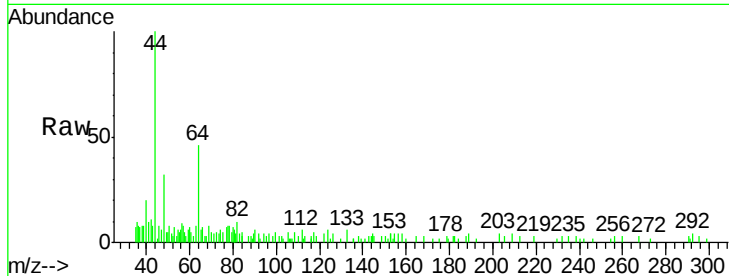
KY038PS038-190204

Tot Ion: 56 Resp: 720

Ion Ratio Lower Upper

56 100

55 51.0 56.9 85.3#



#16

Acetone

Concen: 4.501 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007402.D

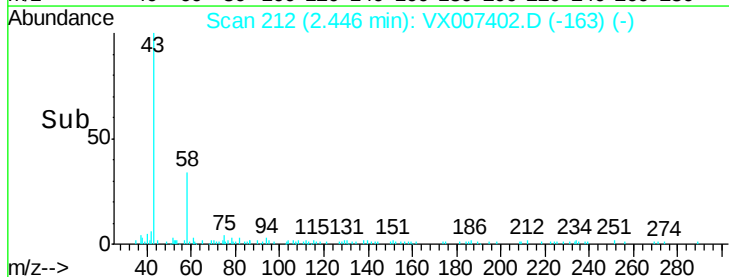
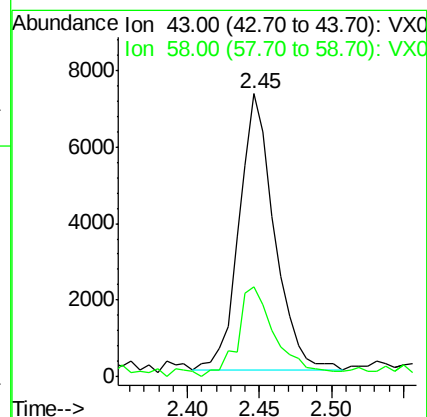
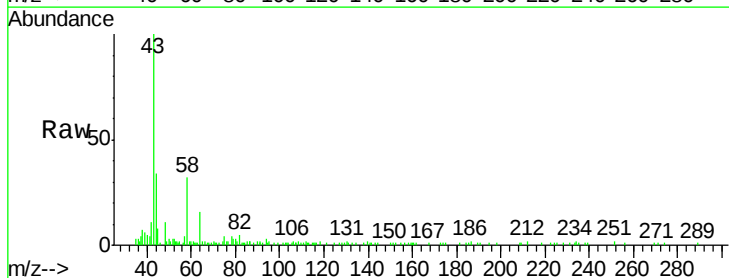
Acq: 06 Feb 2019 16:24

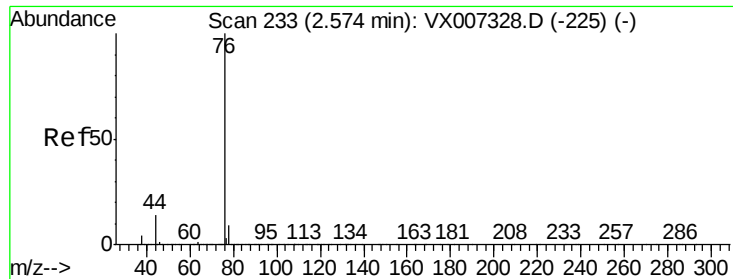
Tgt Ion: 43 Resp: 12249

Ion Ratio Lower Upper

43 100

58 30.9 24.9 37.3





#17

Carbon Disulfide

Concen: 2.277 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

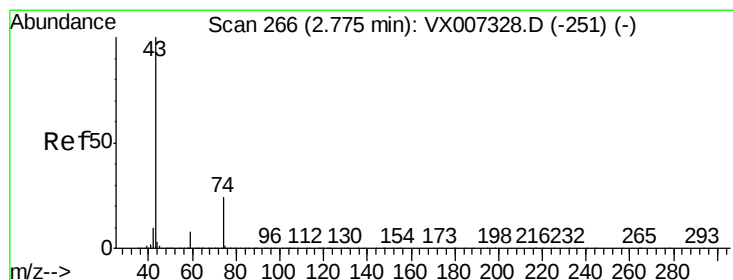
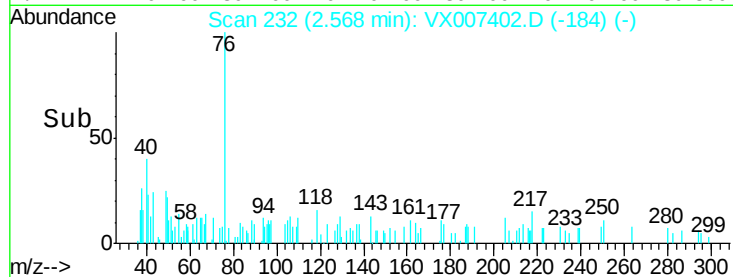
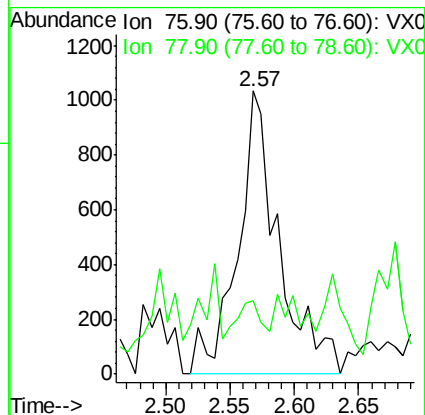
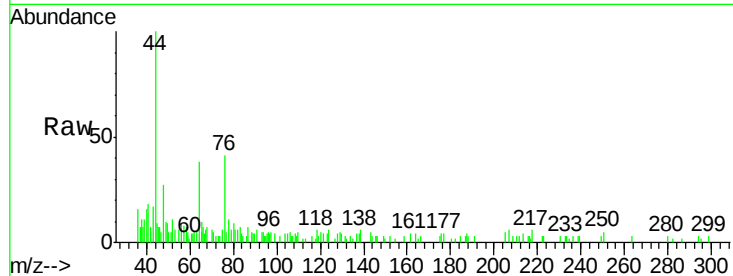
KY038PS038-190204

Tot Ion: 76 Resp: 2272

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7



#18

Methyl Acetate

Concen: 0.933 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX007402.D

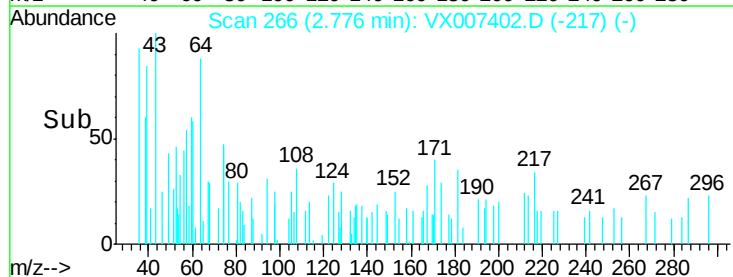
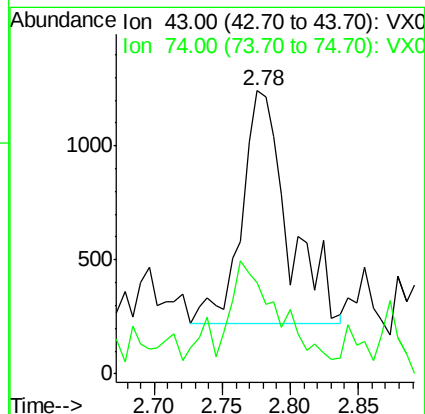
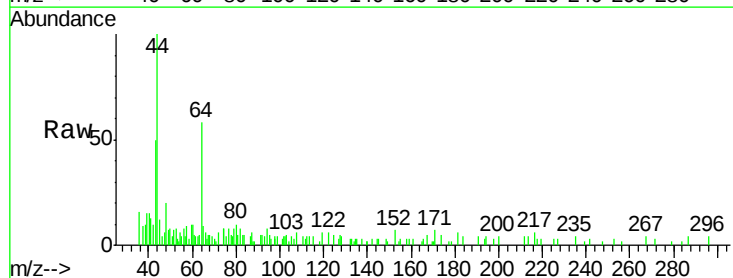
Acq: 06 Feb 2019 16:24

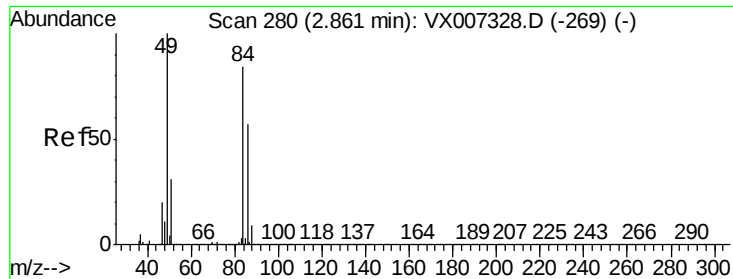
Tgt Ion: 43 Resp: 2442

Ion Ratio Lower Upper

43 100

74 39.8 19.4 29.2#



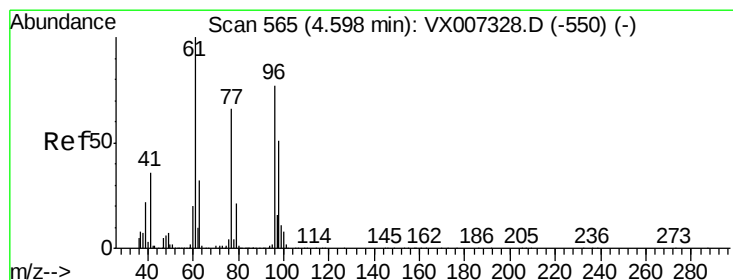
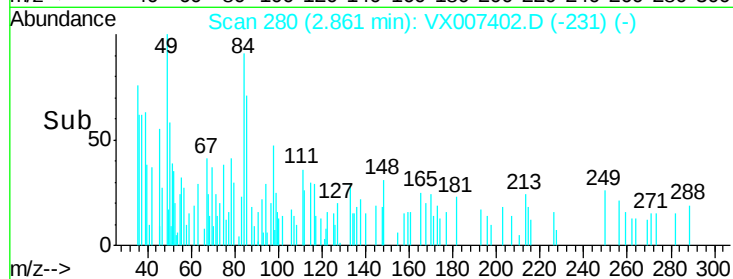
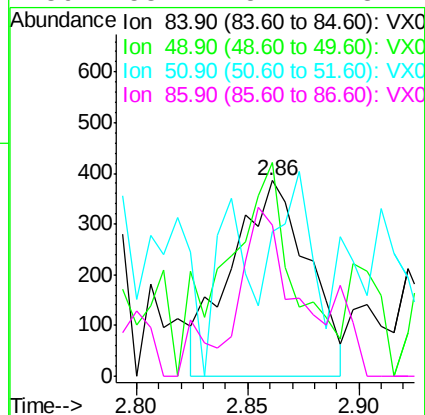
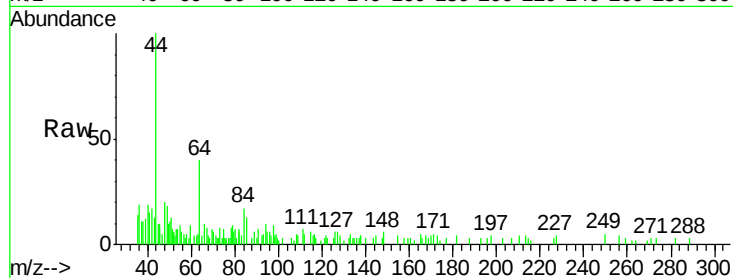


#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007402.D
Acq: 06 Feb 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-190204

Tot Ion: 84 Resp: 922

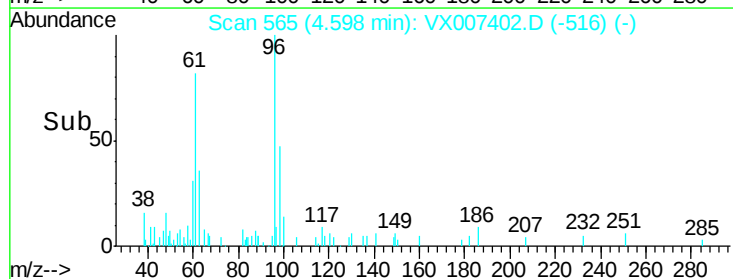
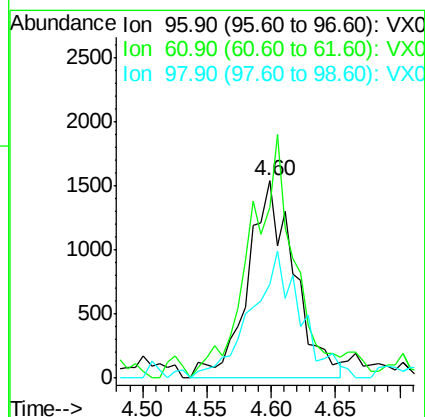
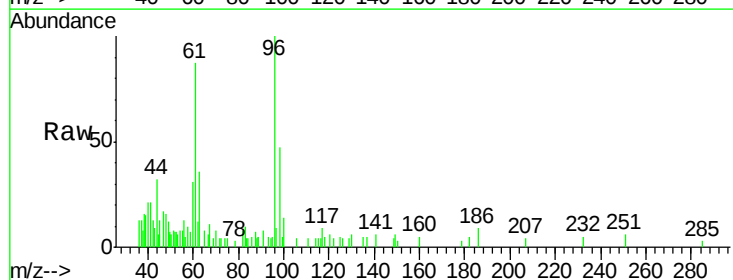
Ion	Ratio	Lower	Upper
84	100		
49	182.3	94.8	142.2#
51	64.3	29.8	44.8#
86	58.1	54.1	81.1

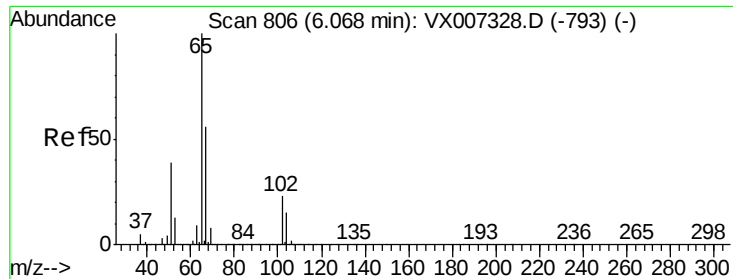


#27
cis-1,2-Dichloroethene
Concen: 0.620 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007402.D
Acq: 06 Feb 2019 16:24

Tgt Ion: 96 Resp: 3853

Ion	Ratio	Lower	Upper
96	100		
61	117.3	0.0	265.6
98	68.6	0.0	131.6





#33

1,2-Dichloroethane-d4

Concen: 51.067 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

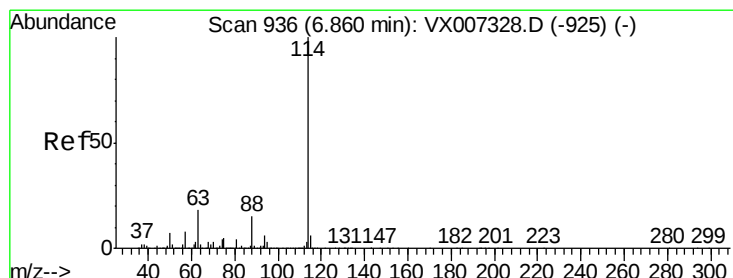
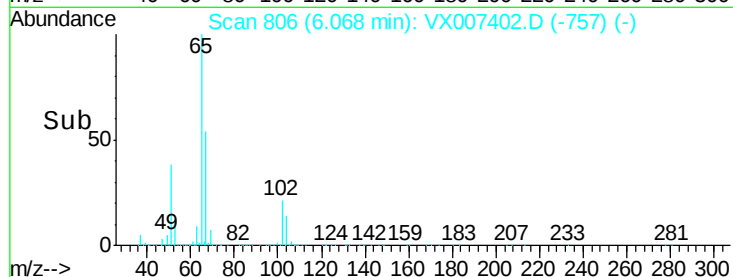
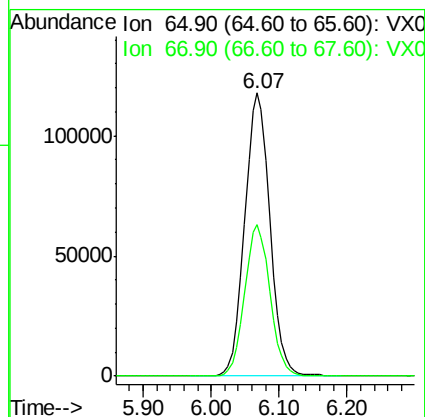
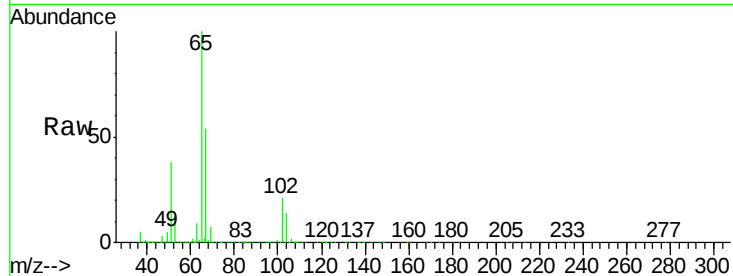
KY038PS038-190204

Tot Ion: 65 Resp: 303416

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

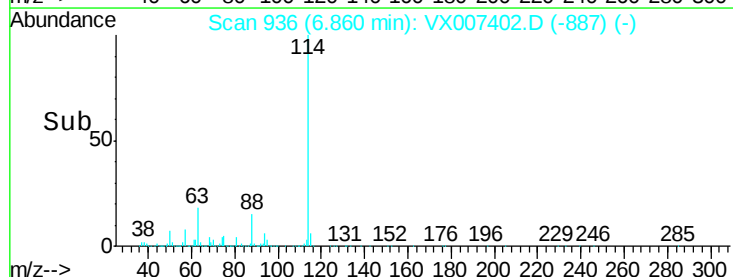
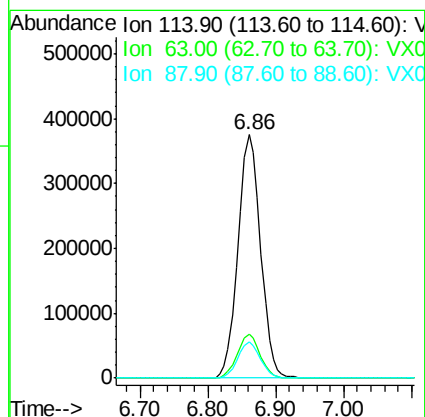
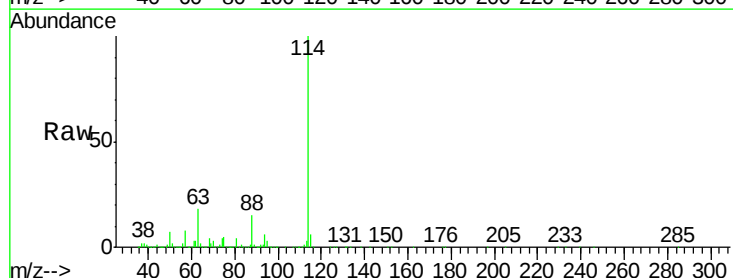
Tgt Ion: 114 Resp: 864662

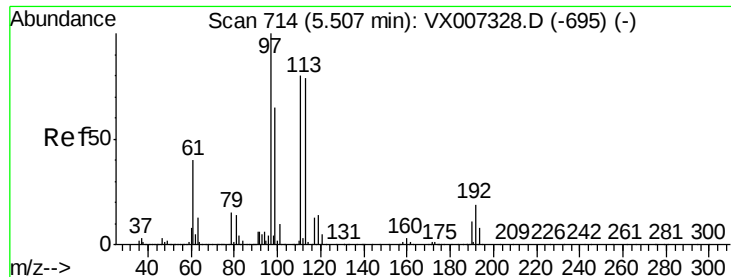
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 15.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.626 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

Instrument :

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ClientSampleId :

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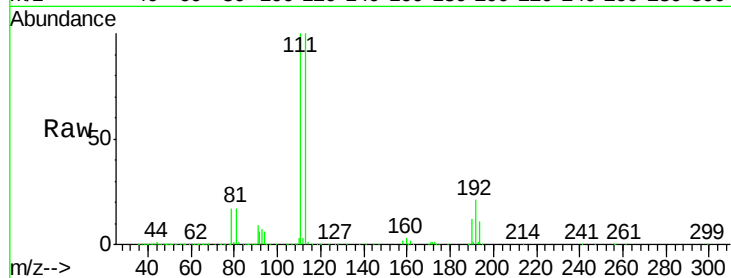
Tot Ion:113 Resp: 267947

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

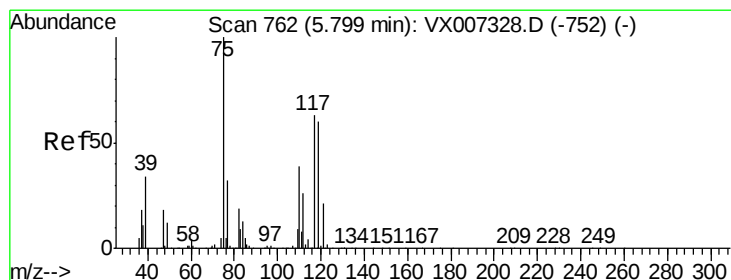
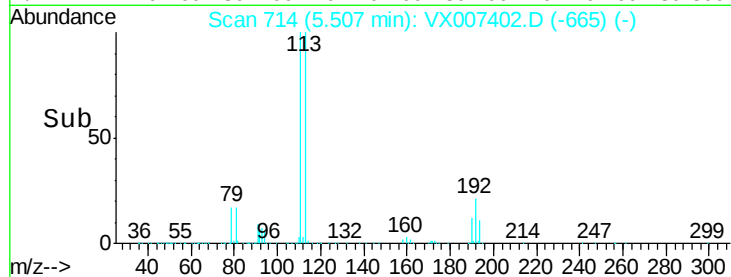
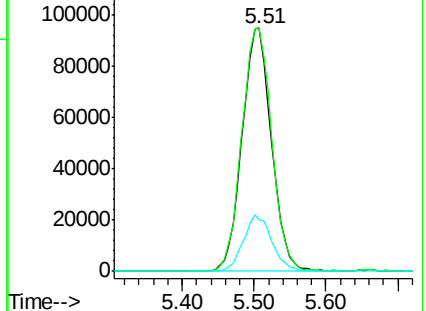
192 22.6 18.5 27.7



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: 4.708 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

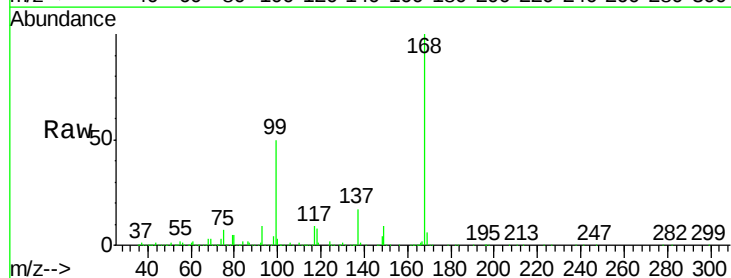
Tgt Ion: 75 Resp: 36522

Ion Ratio Lower Upper

75 100

110 5.7 20.0 59.9#

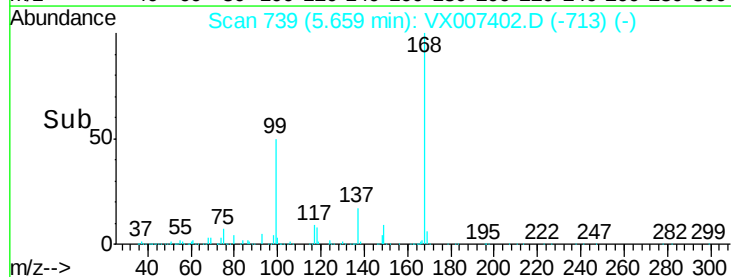
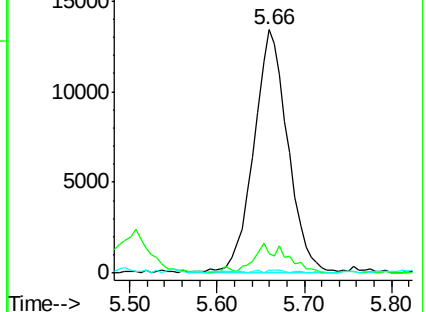
77 0.5 24.7 37.1#

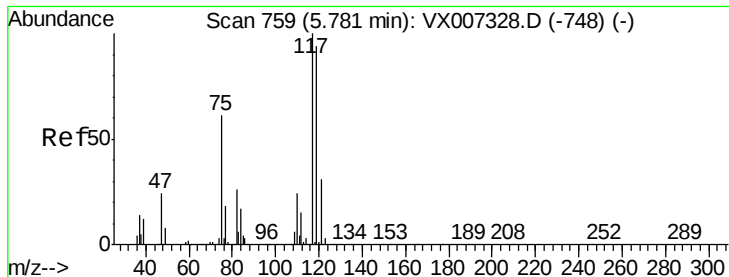


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.595 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

KY038PS038-190204

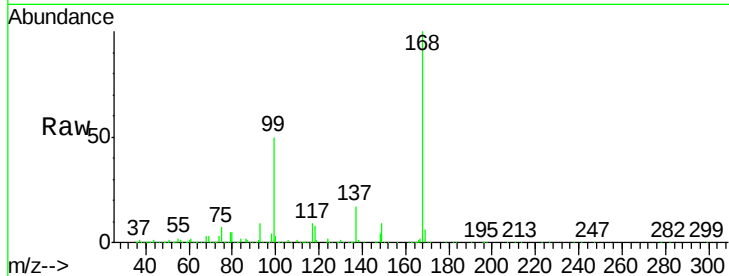
Tot Ion:117 Resp: 49639

Ion Ratio Lower Upper

117 100

119 5.9 75.3 112.9#

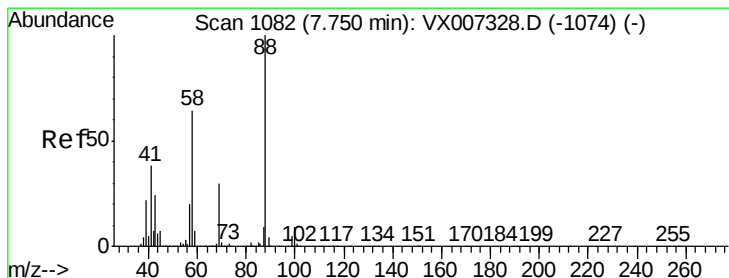
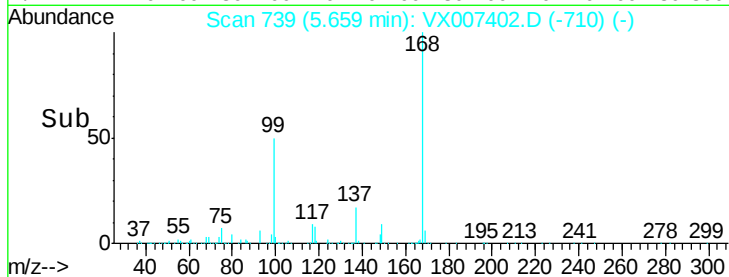
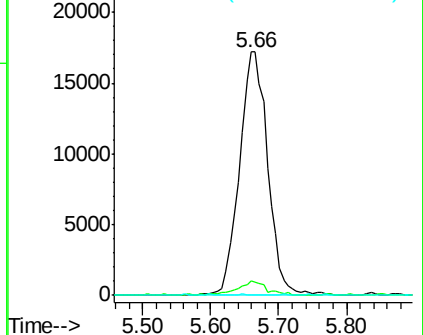
121 0.0 25.0 37.4#



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: 8.242 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

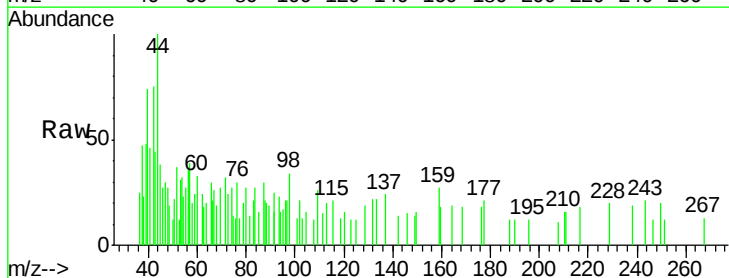
Tgt Ion: 88 Resp: 189

Ion Ratio Lower Upper

88 100

43 115.3 24.2 36.4#

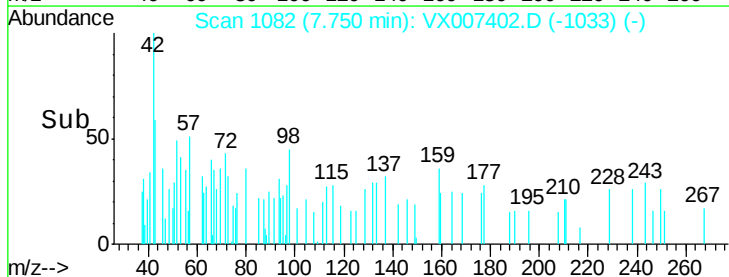
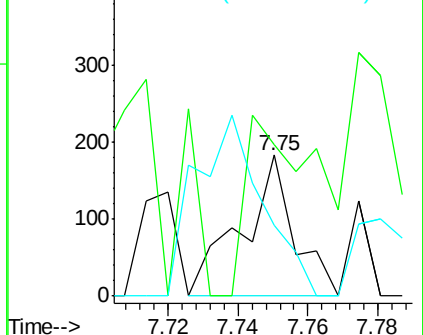
58 165.6 53.0 79.4#

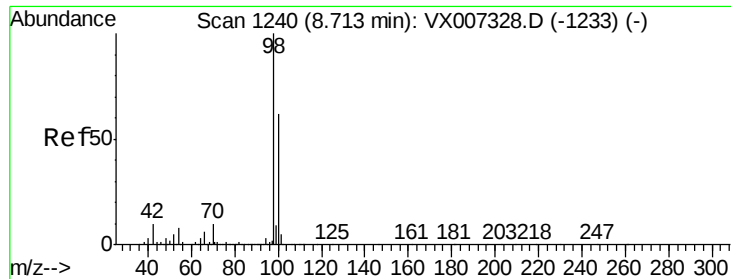


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.749 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

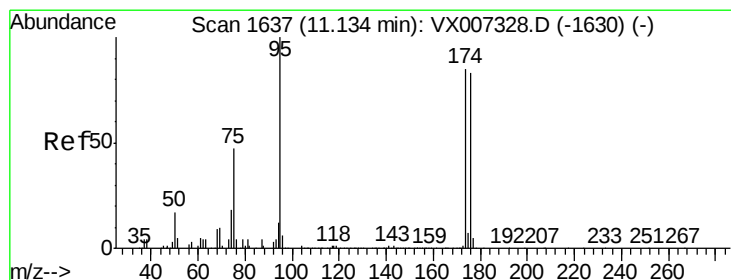
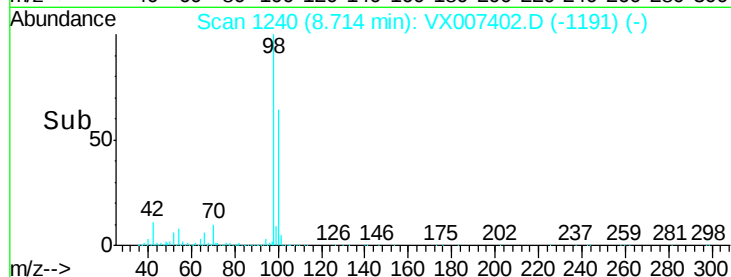
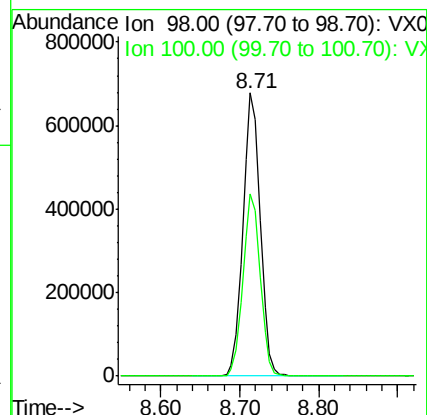
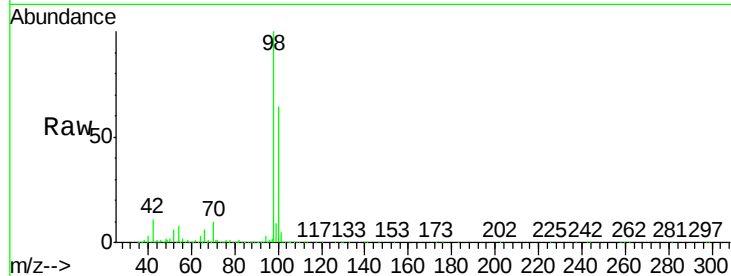
KY038PS038-190204

Tot Ion: 98 Resp: 1038433

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 48.403 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

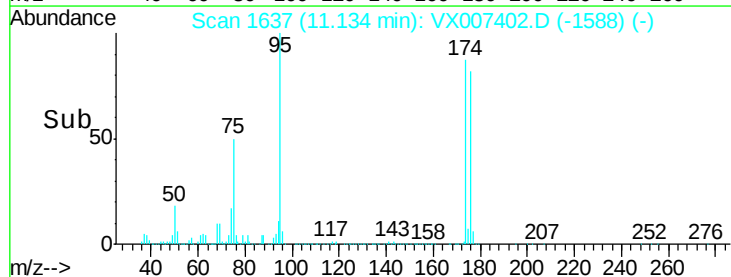
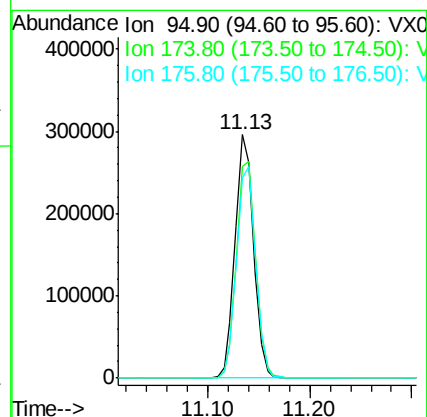
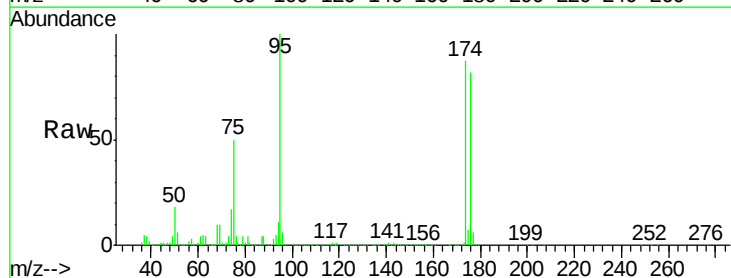
Tgt Ion: 95 Resp: 368875

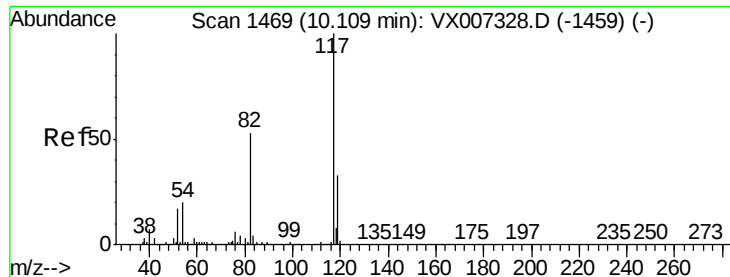
Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

176 90.0 0.0 186.2

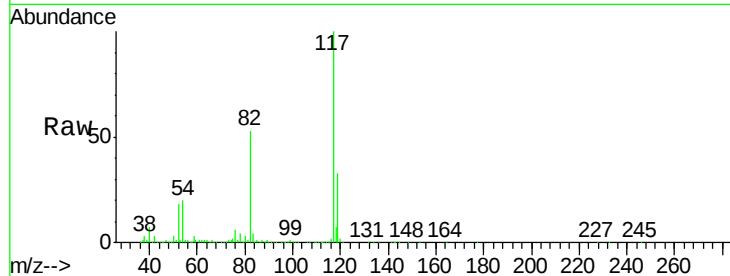




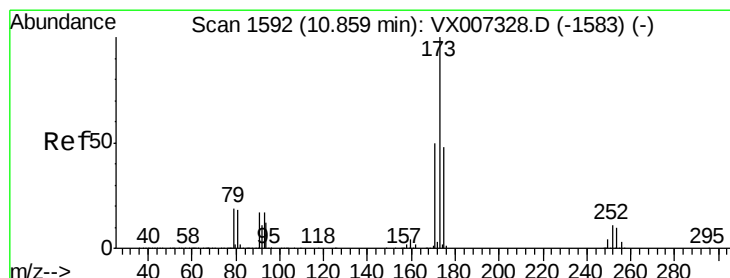
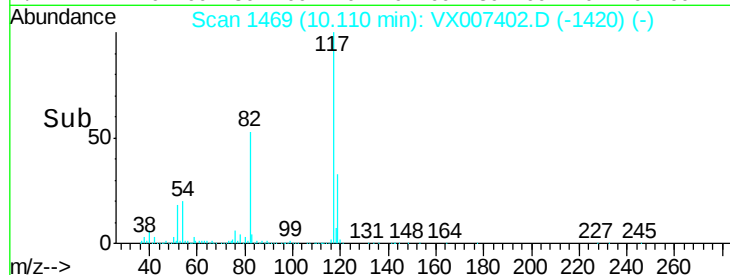
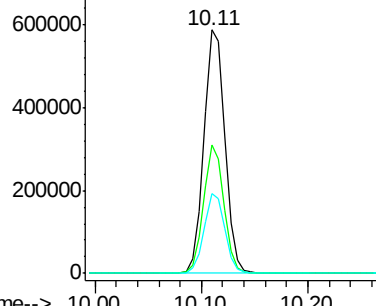
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007402.D
Acq: 06 Feb 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-190204

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	32.8	26.5	39.7

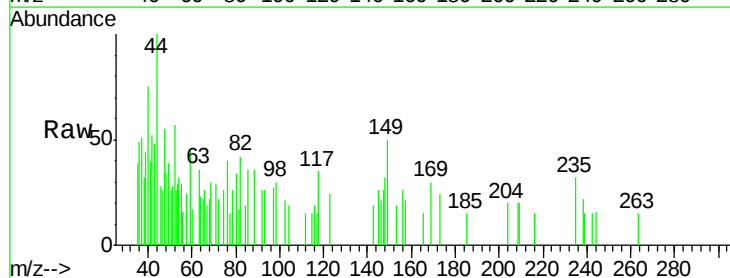


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

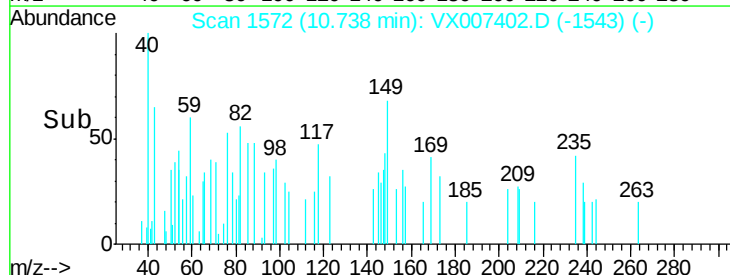
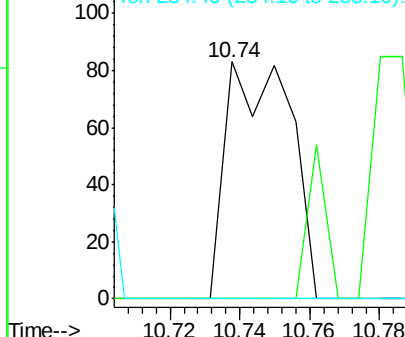


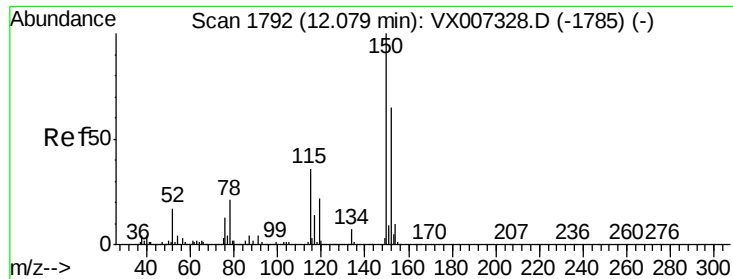
#71
Bromoform
Concen: 4.048 ug/l
RT: 10.74 min Scan# 1572
Delta R.T. -0.12 min
Lab File: VX007402.D
Acq: 06 Feb 2019 16:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	0.0	0.2	0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



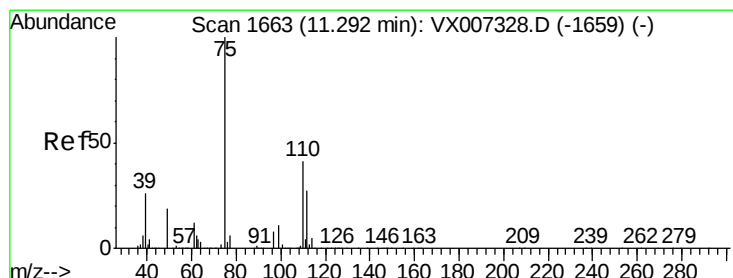
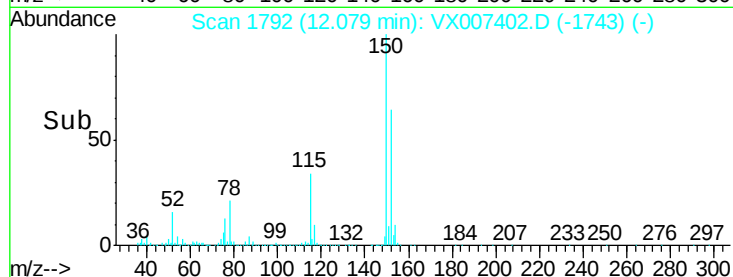
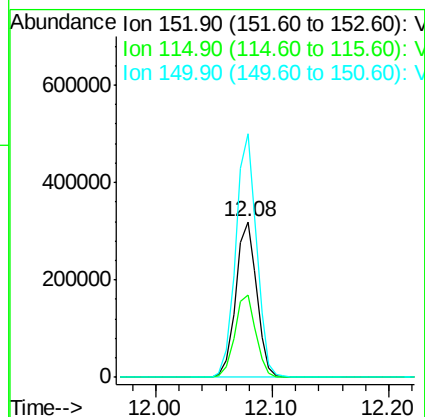
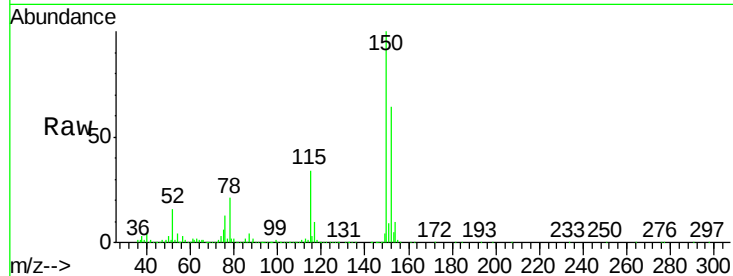


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007402.D
Acq: 06 Feb 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
KY038PS038-190204

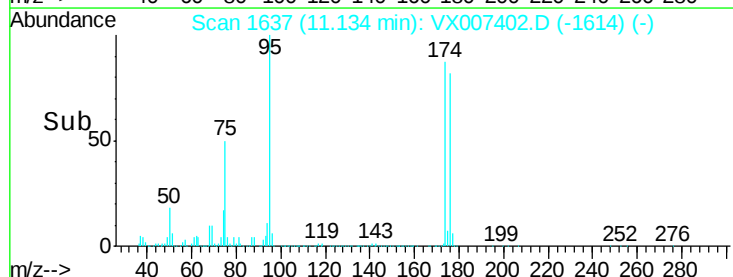
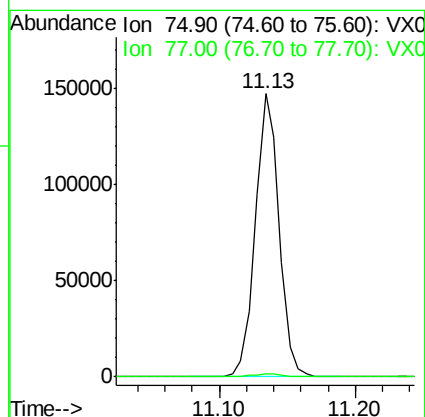
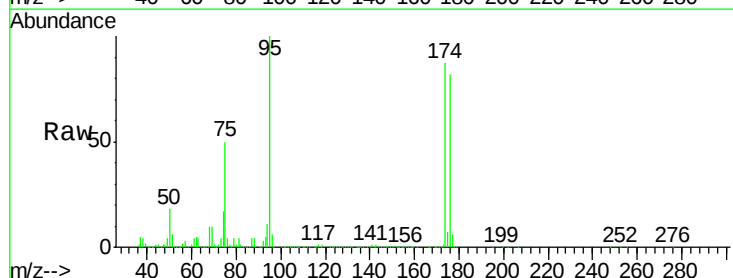
Tot Ion:152 Resp: 400105
Ion Ratio Lower Upper
152 100
115 53.6 38.0 114.0
150 156.4 0.0 346.4

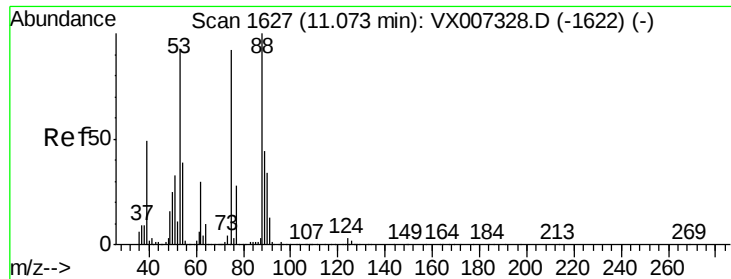


#76

1,2,3-Trichloropropane
Concen: 23.186 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007402.D
Acq: 06 Feb 2019 16:24

Tgt Ion: 75 Resp: 180448
Ion Ratio Lower Upper
75 100
77 1.4 23.0 69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 69.834 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007402.D

Acq: 06 Feb 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

KY038PS038-190204

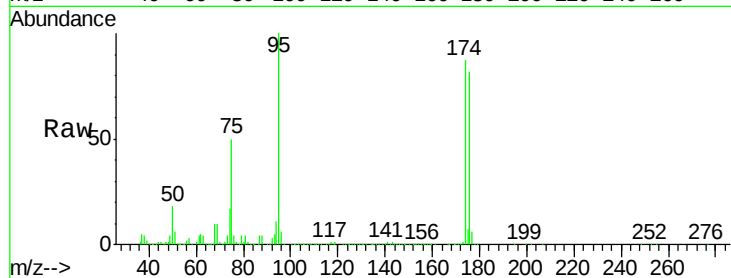
Tot Ion: 75 Resp: 180448

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#



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

