

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020519\
 Data File : VX007386.D
 Acq On : 05 Feb 2019 19:24
 Operator : JC/SP
 Sample : K1380-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-190204

Quant Time: Feb 06 00:20:41 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	5.66	168	461603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	700089	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	638841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	322042	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	247995	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
35) Dibromofluoromethane	5.50	113	217811	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	8.71	98	837416	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.14	95	287579	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

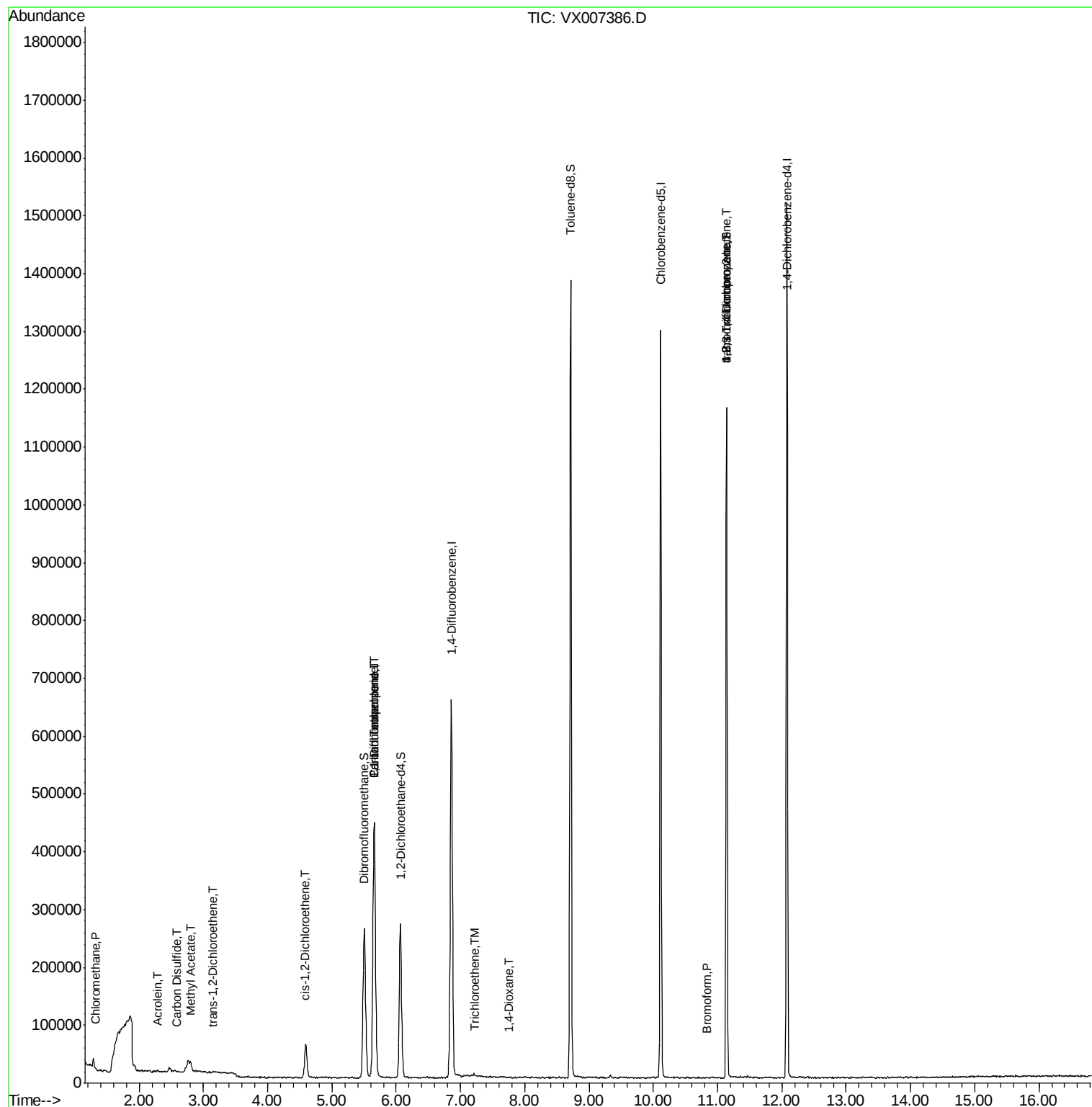
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1301	0.250	ug/l	90
5) Bromomethane	1.64	94	819	Below Cal		97
13) Acrolein	2.29	56	220	0.463	ug/l #	83
17) Carbon Disulfide	2.60	76	106	2.130	ug/l #	1
18) Methyl Acetate	2.80	43	34740	6.463	ug/l #	89
20) Methylene Chloride	2.86	84	234	Below Cal	#	55
21) trans-1,2-Dichloroethene	3.15	96	1151	0.245	ug/l #	51
27) cis-1,2-Dichloroethene	4.59	96	38474	7.503	ug/l	90
36) 1,1-Dichloropropene	5.66	75	29483	4.694	ug/l #	51
38) Carbon Tetrachloride	5.65	117	40878	6.708	ug/l #	17
44) Trichloroethene	7.22	130	1123	0.202	ug/l	64
49) 1,4-Dioxane	7.76	88	186	8.536	ug/l #	32
71) Bromoform	10.82	173	92	4.050	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	141428	22.577	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	141428	68.112	ug/l #	9

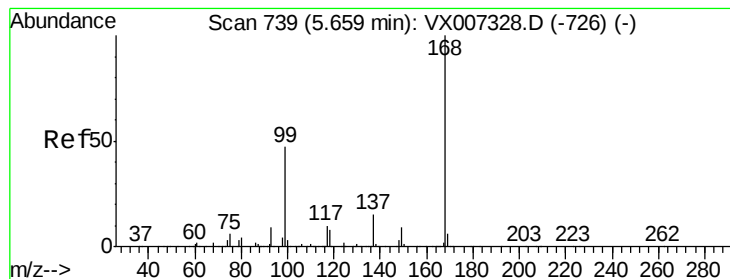
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

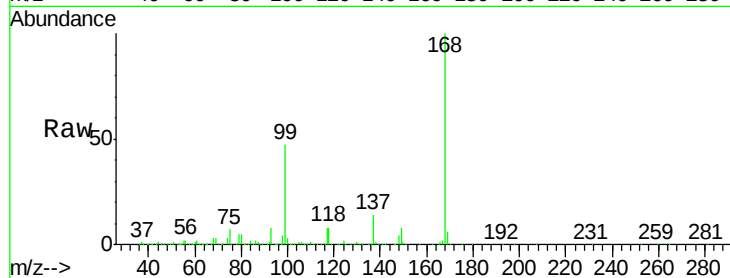
KY038PS036-190204

Tot Ion:168 Resp: 461603

Ion Ratio Lower Upper

168 100

99 47.3 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

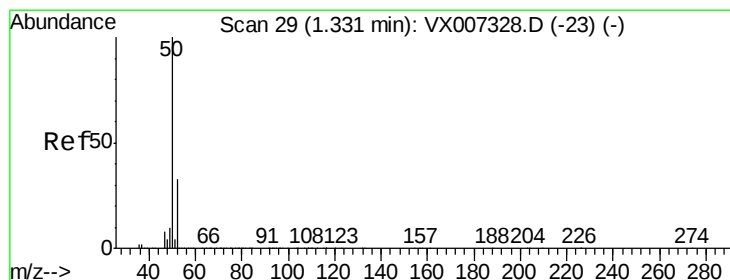
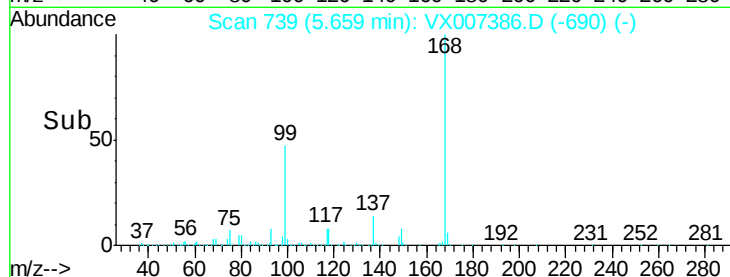
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007386.D

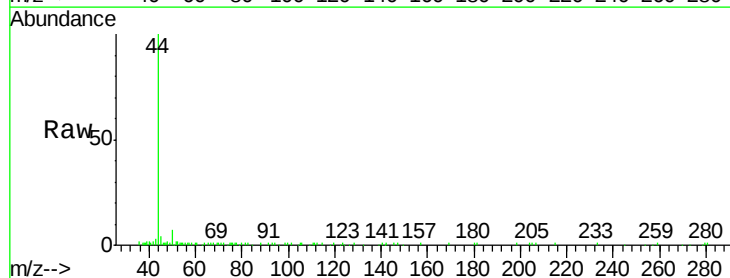
Acq: 05 Feb 2019 19:24

Tgt Ion: 50 Resp: 1301

Ion Ratio Lower Upper

50 100

52 38.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

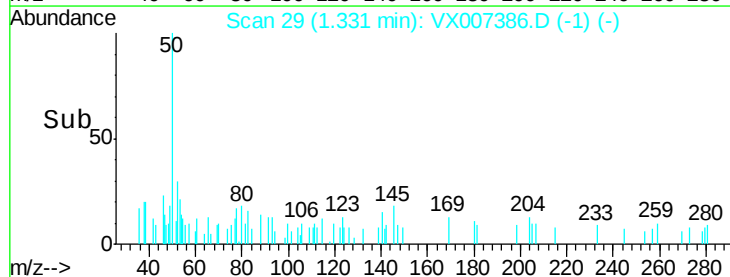
600

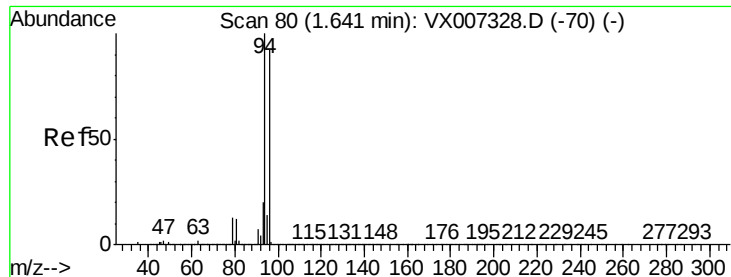
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

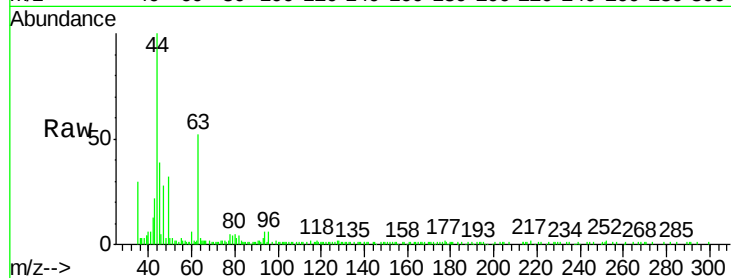
KY038PS036-190204

Tot Ion: 94 Resp: 819

Ion Ratio Lower Upper

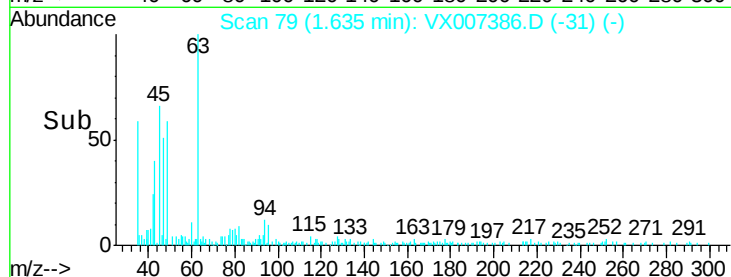
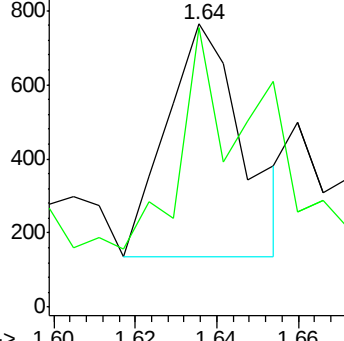
94 100

96 95.5 73.9 110.9

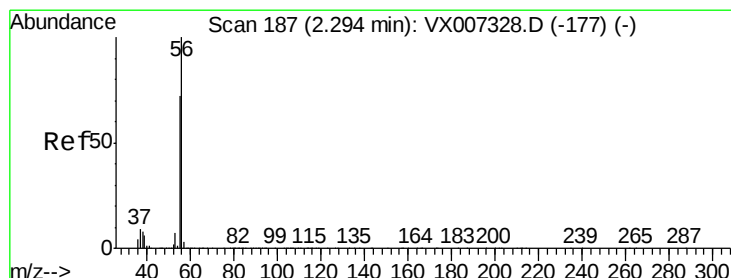


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#13

Acrolein

Concen: 0.463 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007386.D

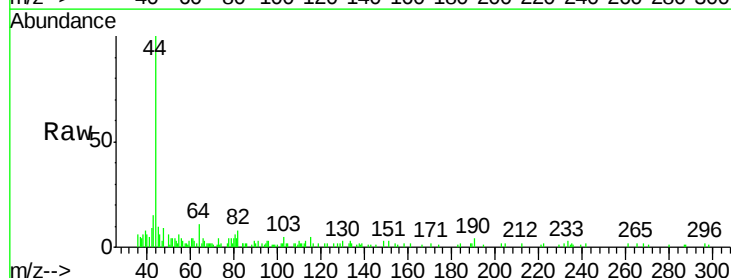
Acq: 05 Feb 2019 19:24

Tgt Ion: 56 Resp: 220

Ion Ratio Lower Upper

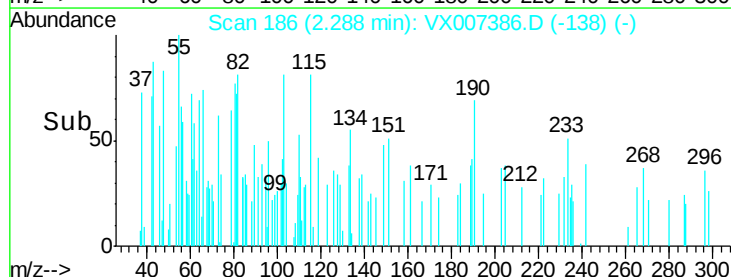
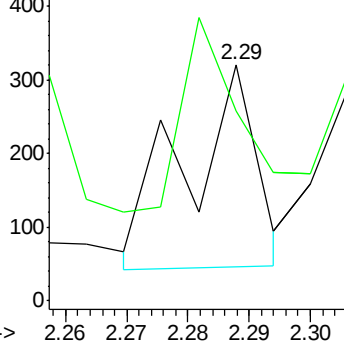
56 100

55 85.5 56.9 85.3#

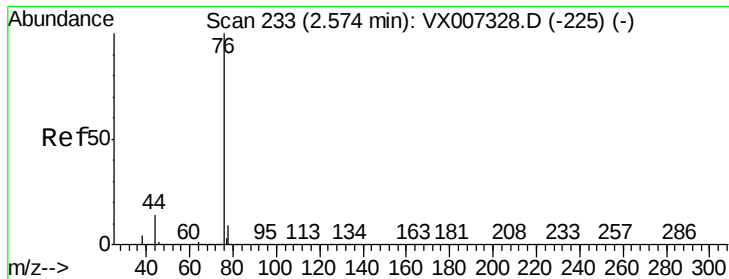


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 2.130 ug/l

RT: 2.60 min Scan# 237

Delta R.T. 0.02 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

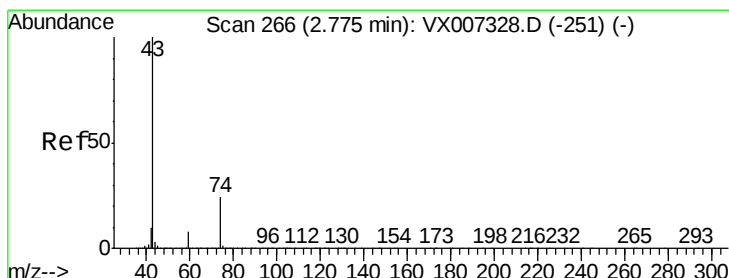
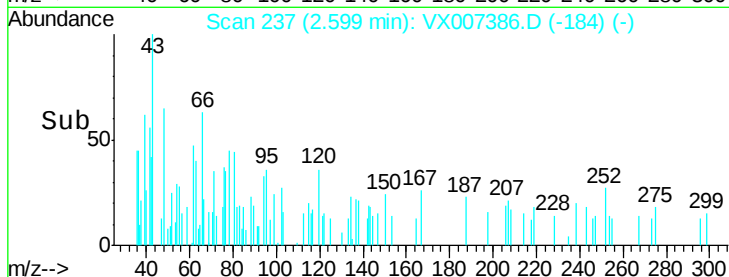
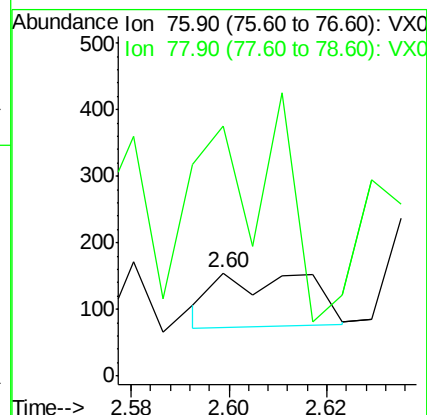
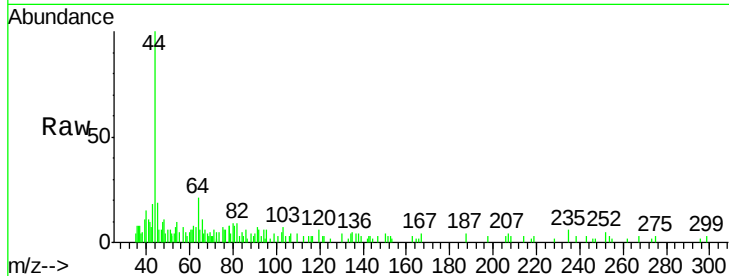
KY038PS036-190204

Tot Ion: 76 Resp: 106

Ion Ratio Lower Upper

76 100

78 347.9 7.1 10.7#



#18

Methyl Acetate

Concen: 6.463 ug/l

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX007386.D

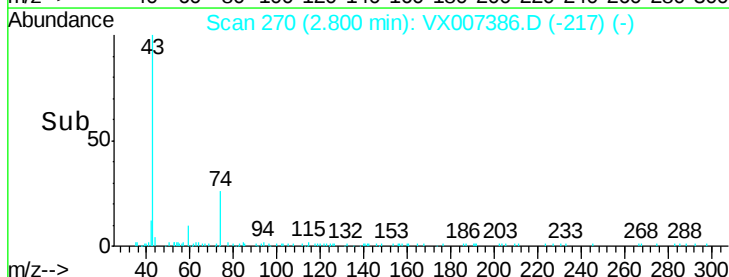
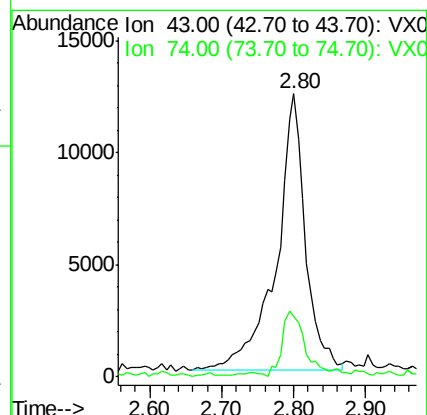
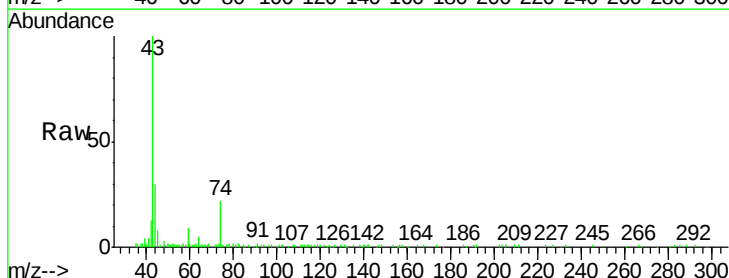
Acq: 05 Feb 2019 19:24

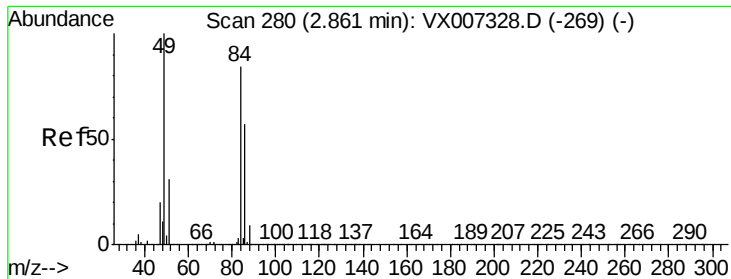
Tgt Ion: 43 Resp: 34740

Ion Ratio Lower Upper

43 100

74 18.7 19.4 29.2#

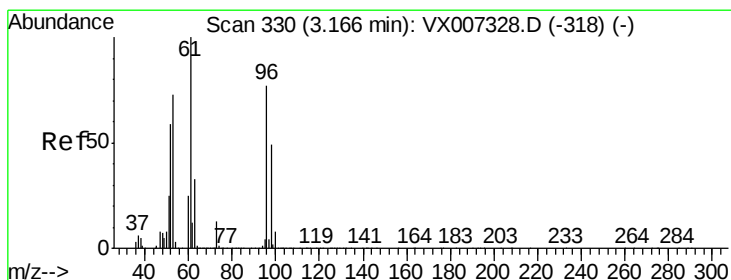
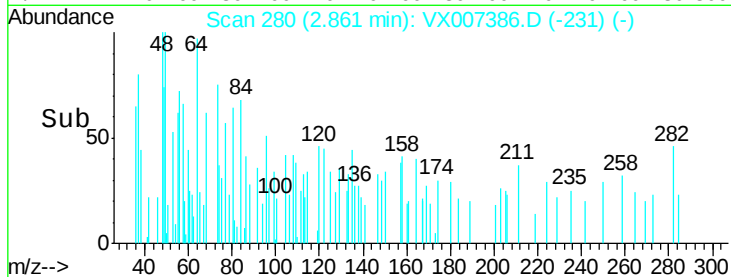
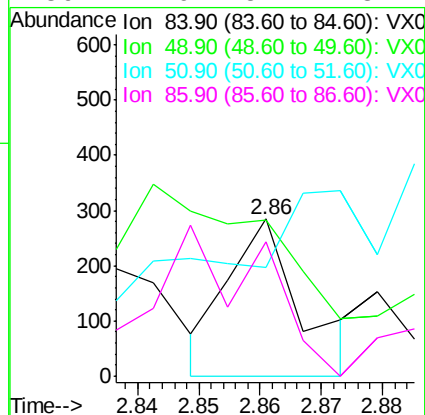
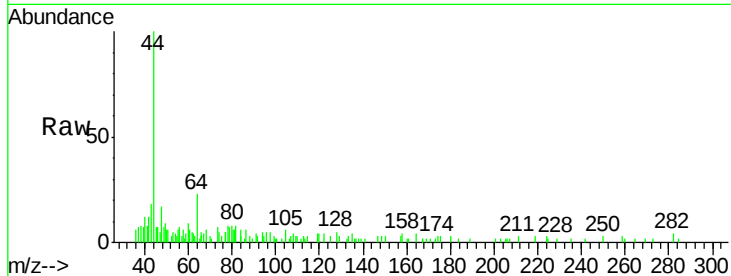




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007386.D
Acq: 05 Feb 2019 19:24

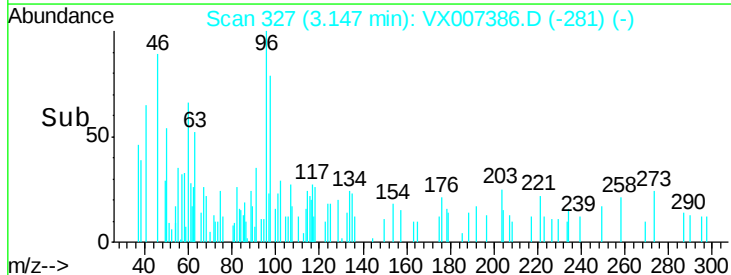
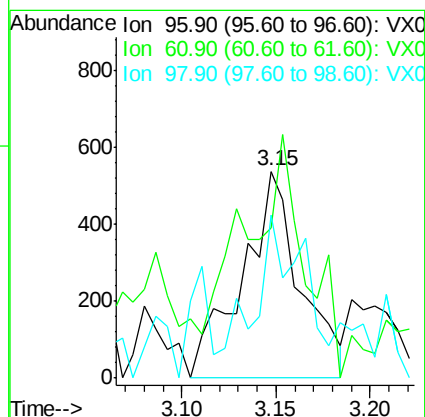
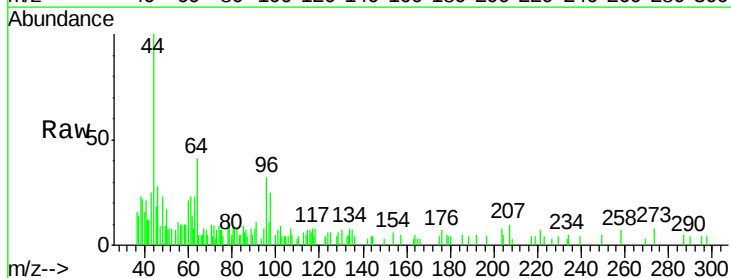
Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-190204

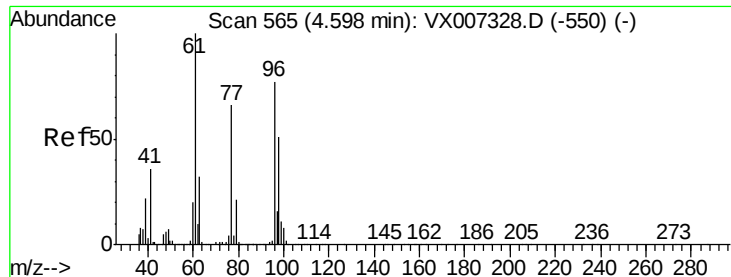
Tot Ion:	84	Resp:	234
Ion	Ratio	Lower	Upper
84	100		
49	86.0	94.8	142.2#
51	0.0	29.8	44.8#
86	117.9	54.1	81.1#



#21
trans-1,2-Dichloroethene
Concen: 0.245 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.02 min
Lab File: VX007386.D
Acq: 05 Feb 2019 19:24

Tgt Ion:	96	Resp:	1151
Ion	Ratio	Lower	Upper
96	100		
61	54.6	104.6	156.8#
98	52.0	51.0	76.4



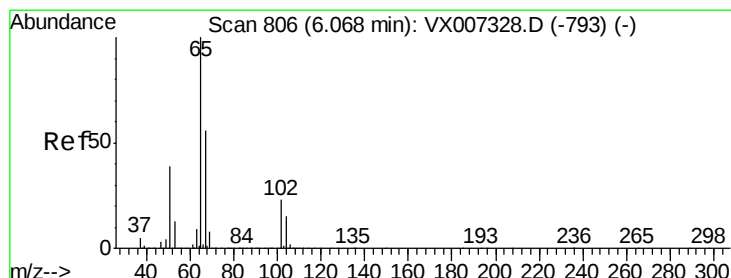
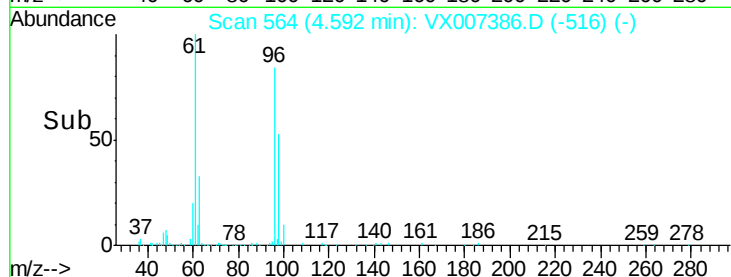
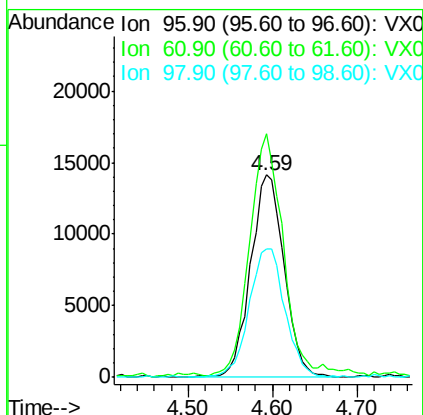
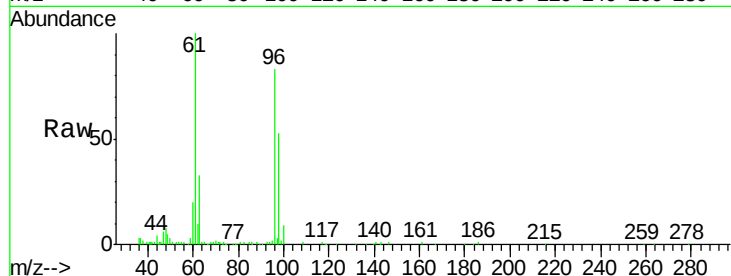


#27

cis-1,2-Dichloroethene
Concen: 7.503 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007386.D
Acq: 05 Feb 2019 19:24

Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-190204

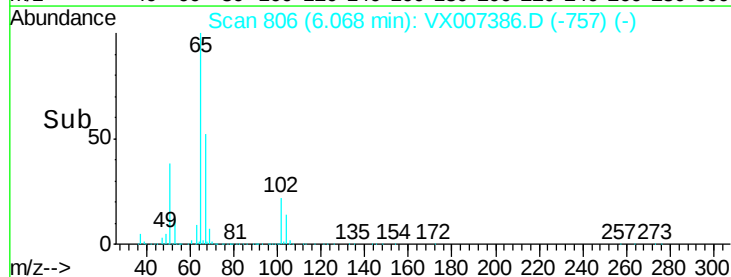
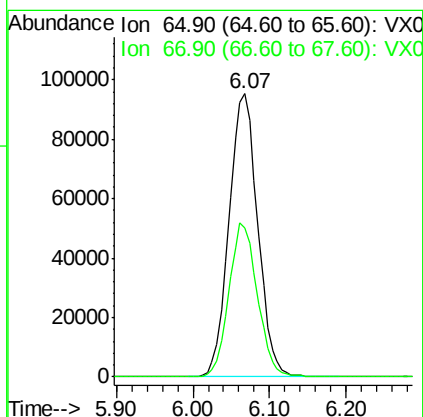
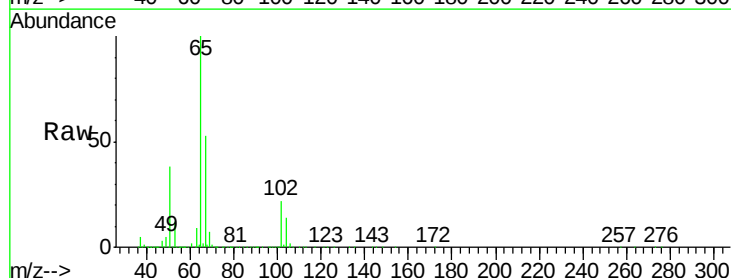
Tot Ion	Ratio	Lower	Upper
96	100		
61	116.5	0.0	265.6
98	67.7	0.0	131.6

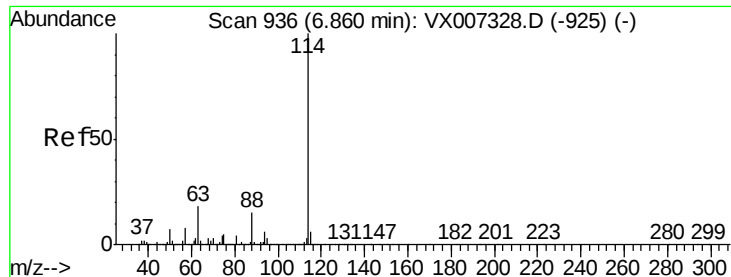


#33

1,2-Dichloroethane-d4
Concen: 50.616 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007386.D
Acq: 05 Feb 2019 19:24

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.6	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: VX007386.D

Acq: 05 Feb 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-190204

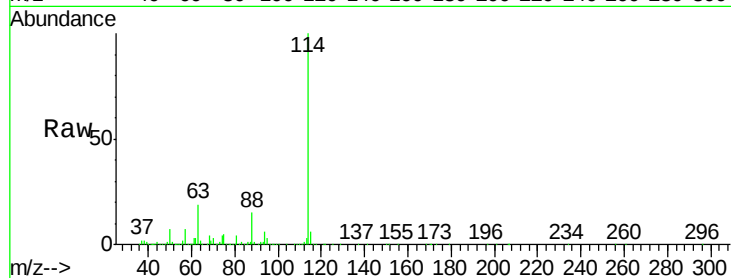
Tot Ion:114 Resp: 700089

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.6

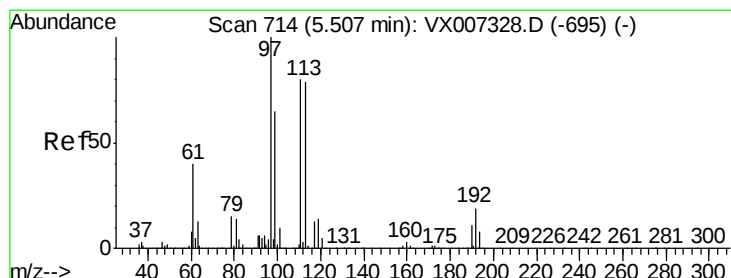
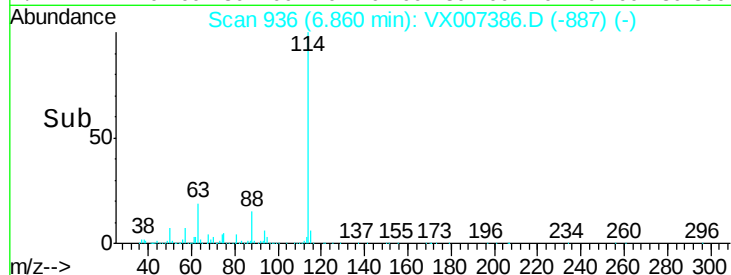
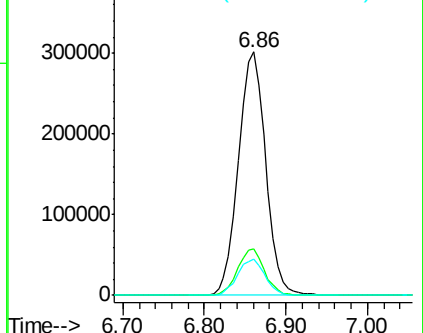
88 14.8 0.0 29.6



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: 47.816 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

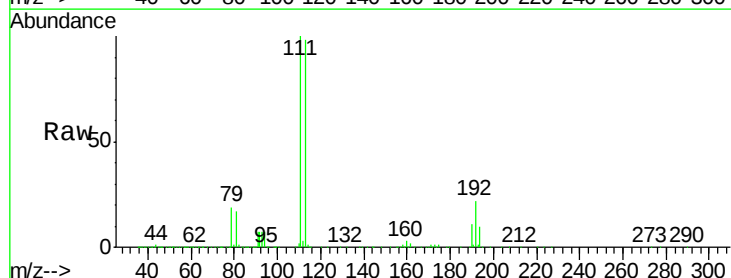
Tgt Ion:113 Resp: 217811

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

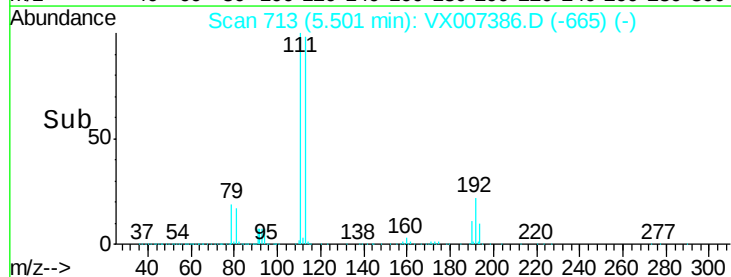
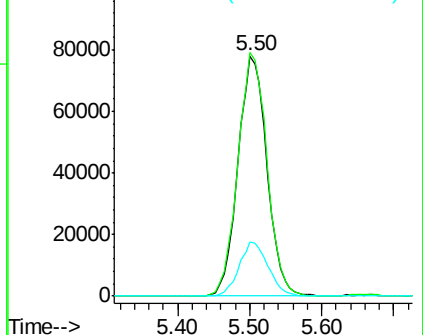
192 22.6 18.5 27.7

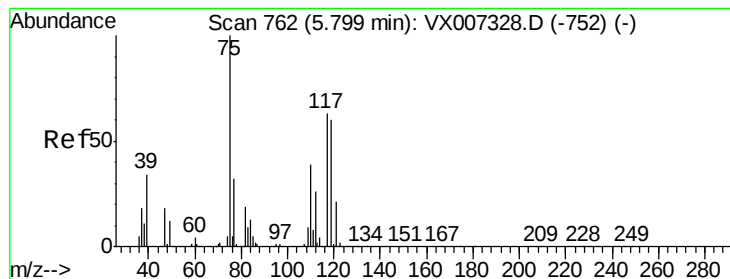


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.694 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-190204

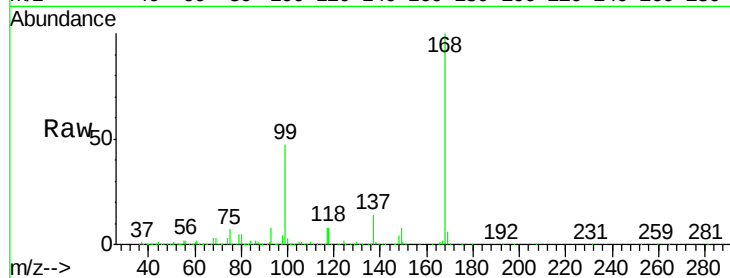
Tot Ion: 75 Resp: 29483

Ion Ratio Lower Upper

75 100

110 12.3 20.0 59.9#

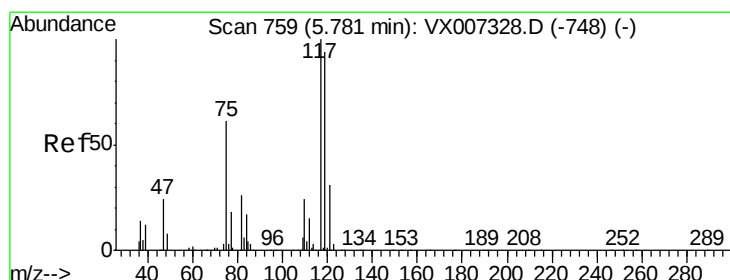
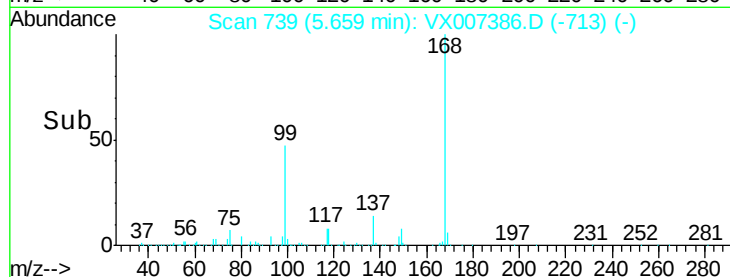
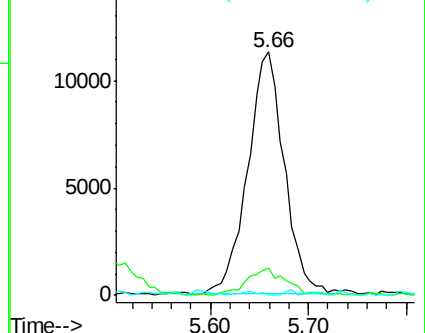
77 0.9 24.7 37.1#



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: 6.708 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

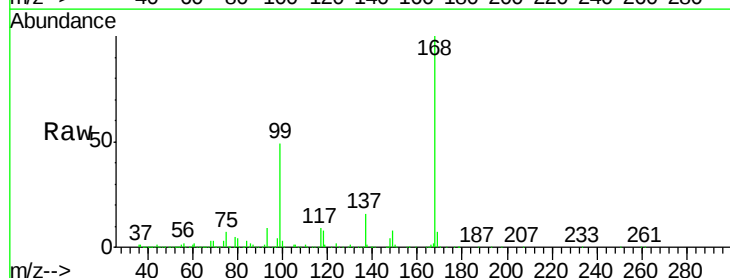
Tgt Ion: 117 Resp: 40878

Ion Ratio Lower Upper

117 100

119 5.4 75.3 112.9#

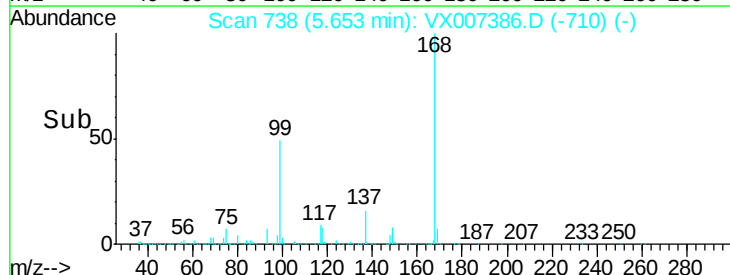
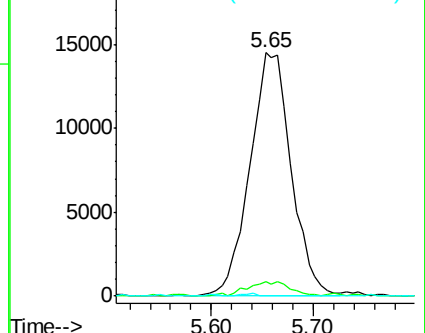
121 0.8 25.0 37.4#

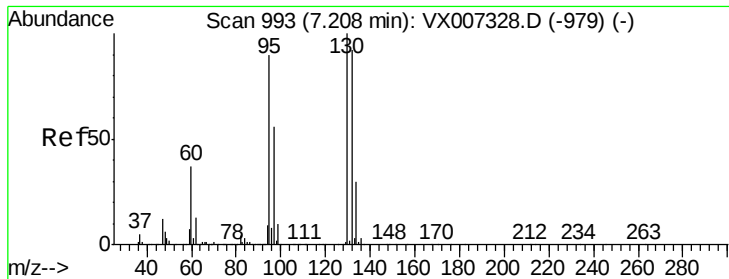


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.202 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

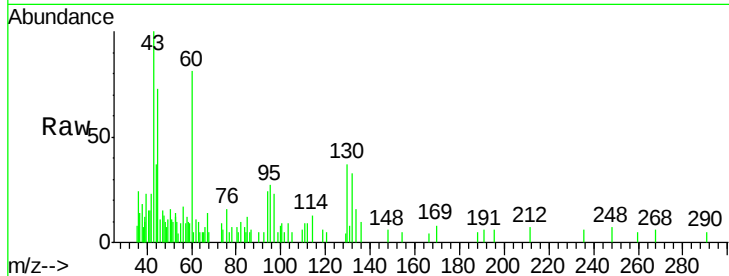
KY038PS036-190204

Tot Ion:130 Resp: 1123

Ion Ratio Lower Upper

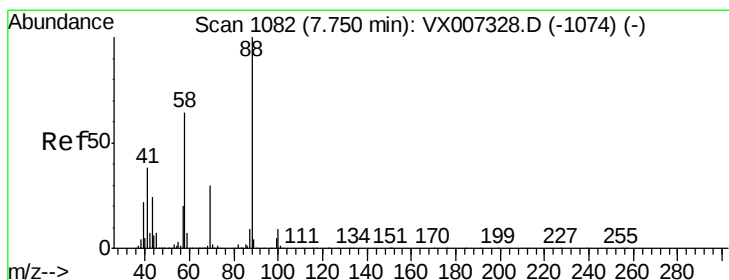
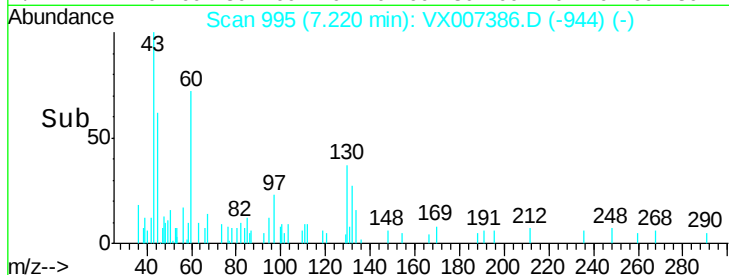
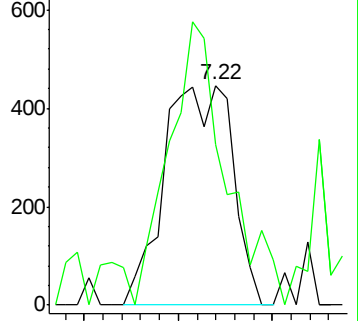
130 100

95 56.2 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 8.536 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

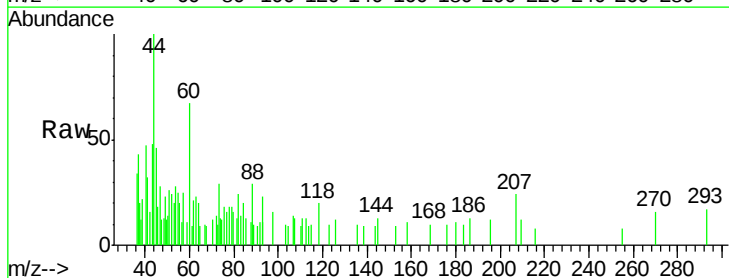
Tgt Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

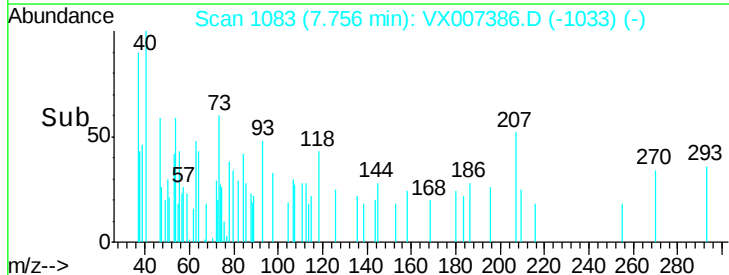
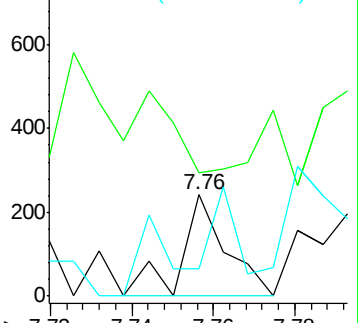
58 125.3 53.0 79.4#

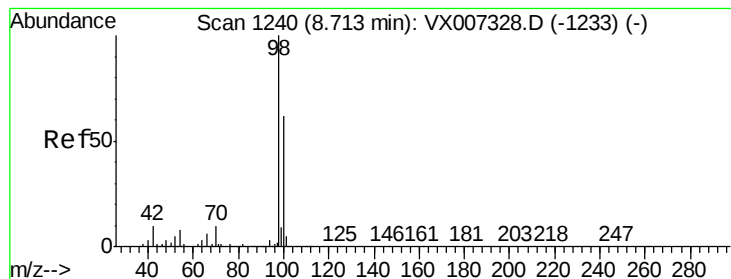


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.549 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

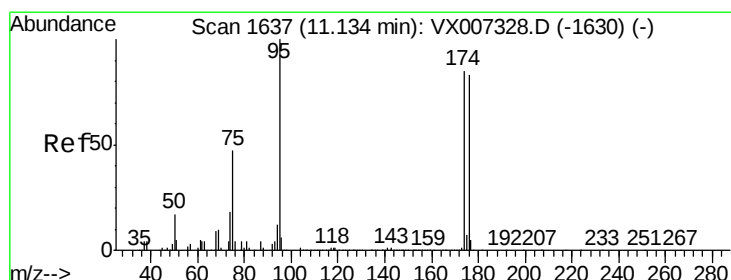
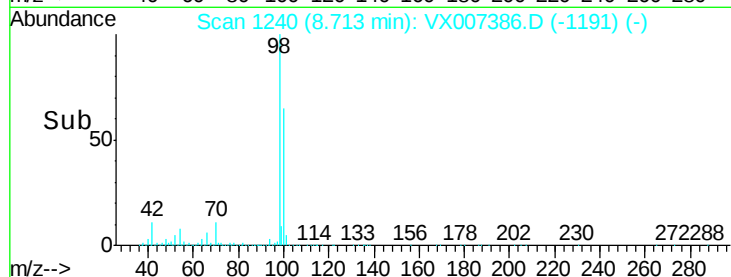
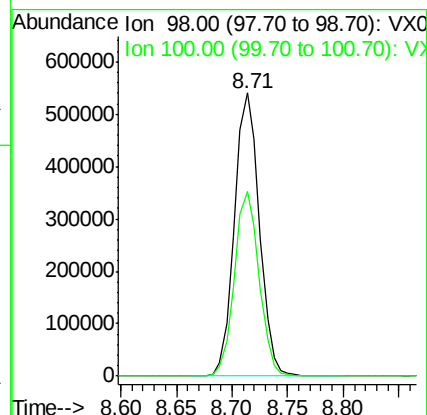
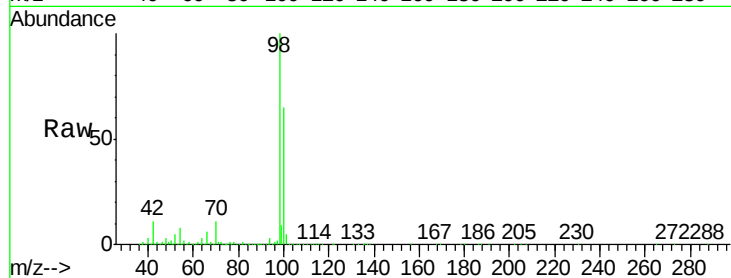
KY038PS036-190204

Tot Ion: 98 Resp: 837416

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 46.606 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

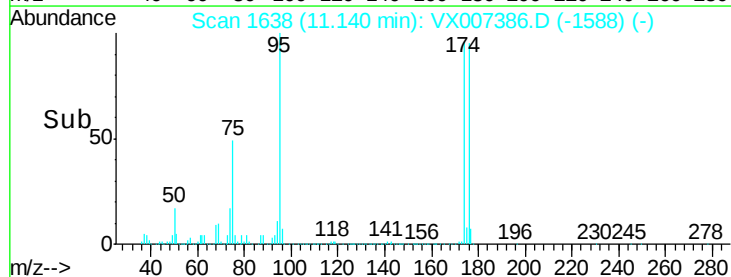
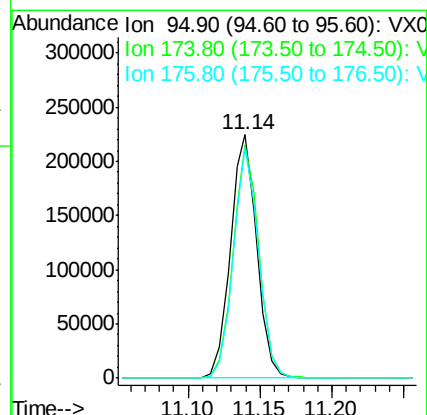
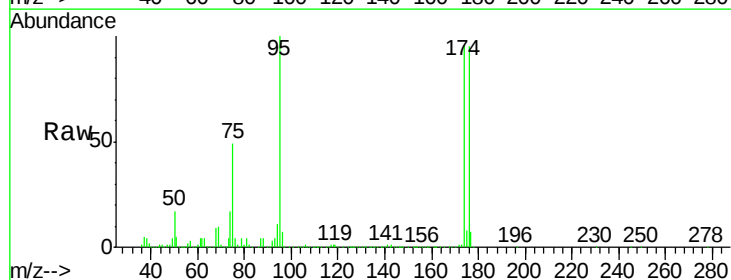
Tgt Ion: 95 Resp: 287579

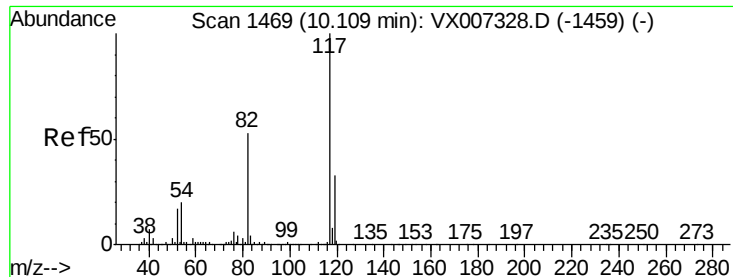
Ion Ratio Lower Upper

95 100

174 94.2 0.0 189.2

176 91.0 0.0 186.2

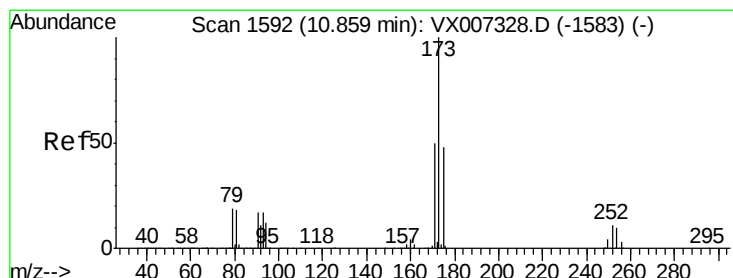
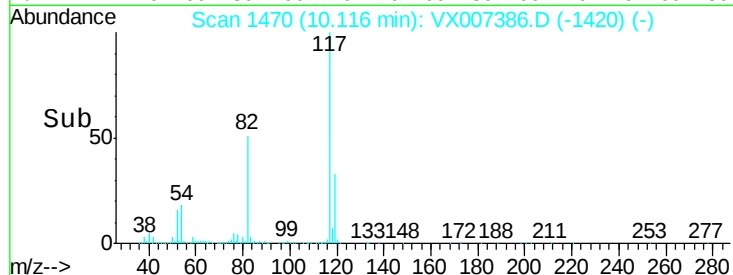
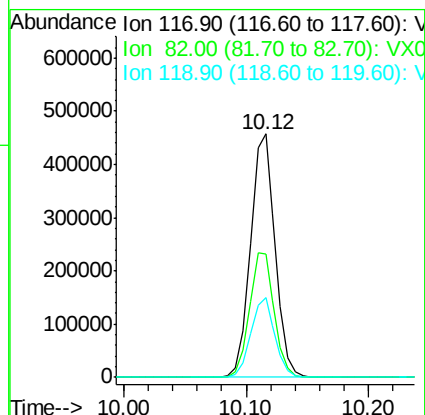
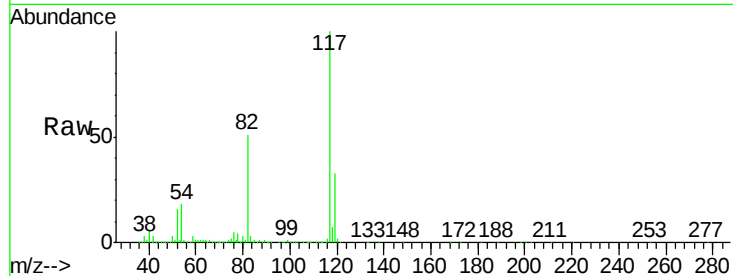




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007386.D
Acq: 05 Feb 2019 19:24

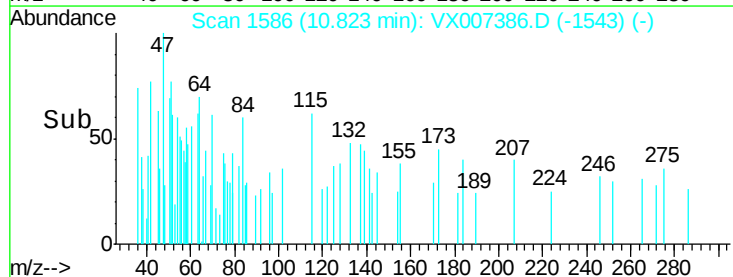
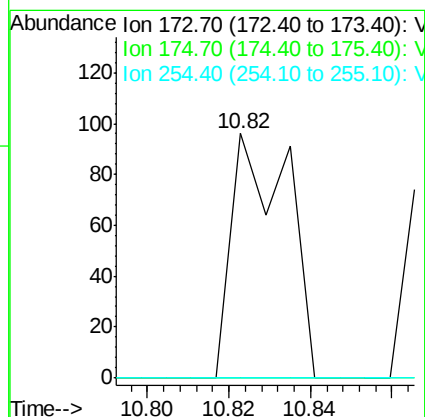
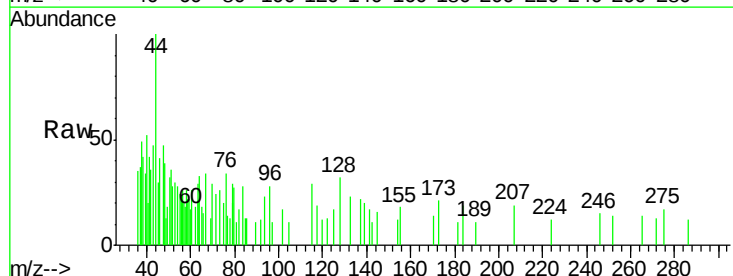
Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-190204

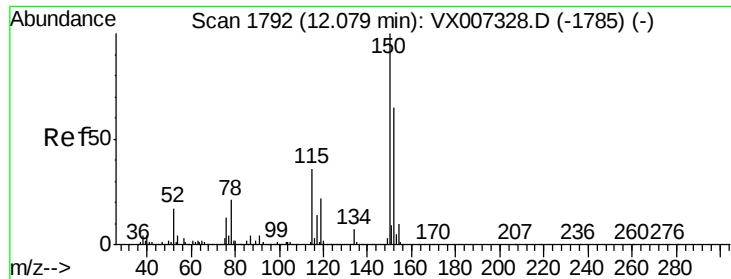
Tot Ion:117 Resp: 638841
Ion Ratio Lower Upper
117 100
82 50.8 42.1 63.1
119 32.9 26.5 39.7



#71
Bromoform
Concen: 4.050 ug/l
RT: 10.82 min Scan# 1586
Delta R.T. -0.04 min
Lab File: VX007386.D
Acq: 05 Feb 2019 19:24

Tgt Ion:173 Resp: 92
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-190204

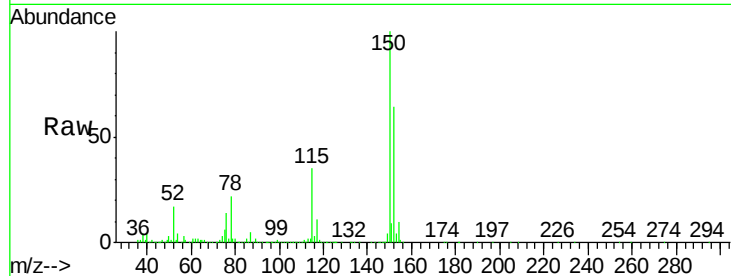
Tot Ion:152 Resp: 322042

Ion Ratio Lower Upper

152 100

115 54.1 38.0 114.0

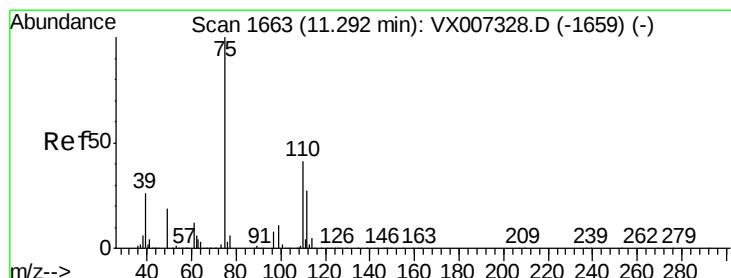
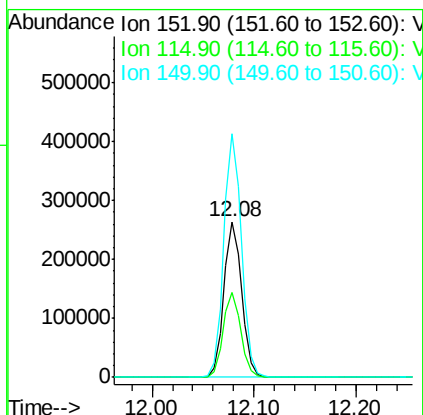
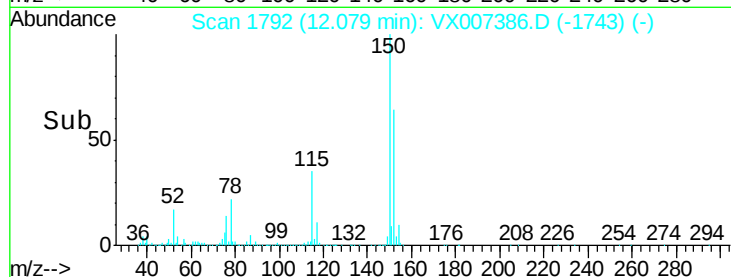
150 155.5 0.0 346.4



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: 22.577 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX007386.D

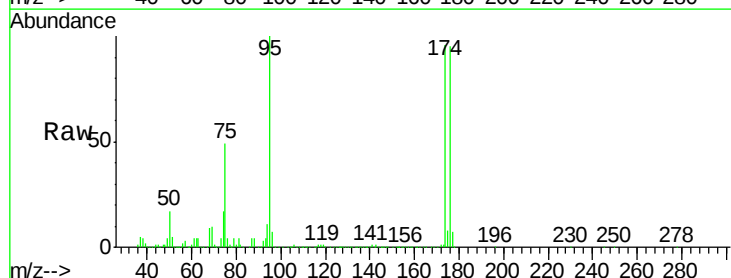
Acq: 05 Feb 2019 19:24

Tgt Ion: 75 Resp: 141428

Ion Ratio Lower Upper

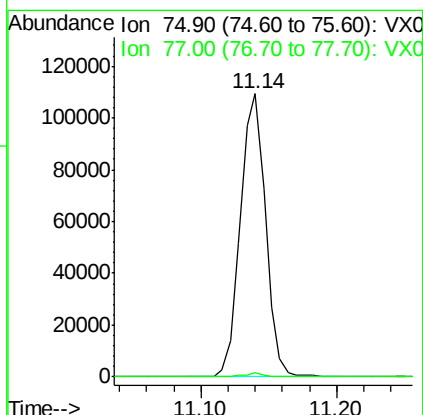
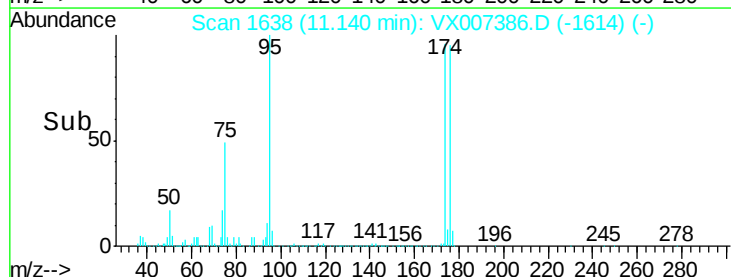
75 100

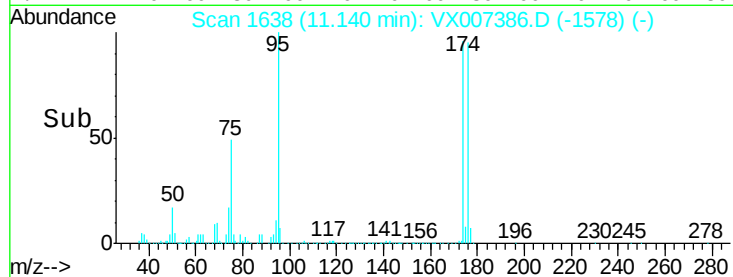
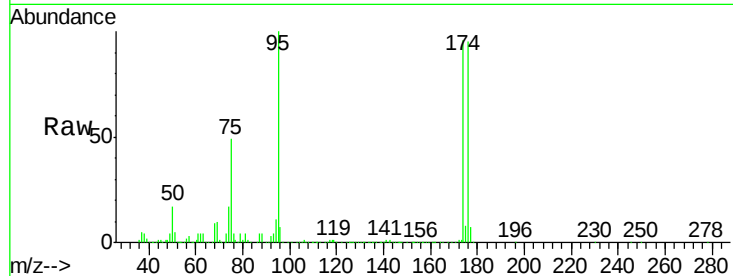
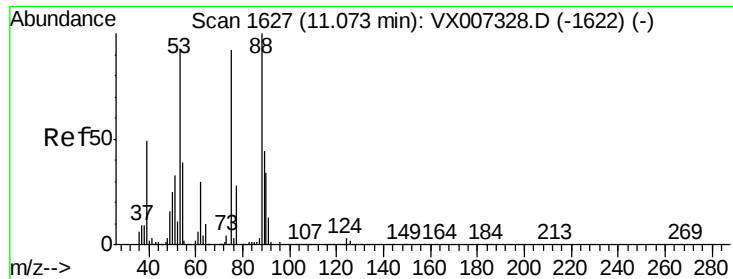
77 1.3 23.0 69.0#



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: 68.112 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX007386.D

Acq: 05 Feb 2019 19:24

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-190204

Tot Ion: 75 Resp: 141428

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#

