

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007396.D
 Acq On : 06 Feb 2019 13:44
 Operator : JC/SP
 Sample : K1380-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS035-190204

Quant Time: Feb 07 00:01:12 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	571824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	849487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	773137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	389108	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	296567	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
35) Dibromofluoromethane	5.51	113	256496	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	8.71	98	1008833	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.14	95	348782	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

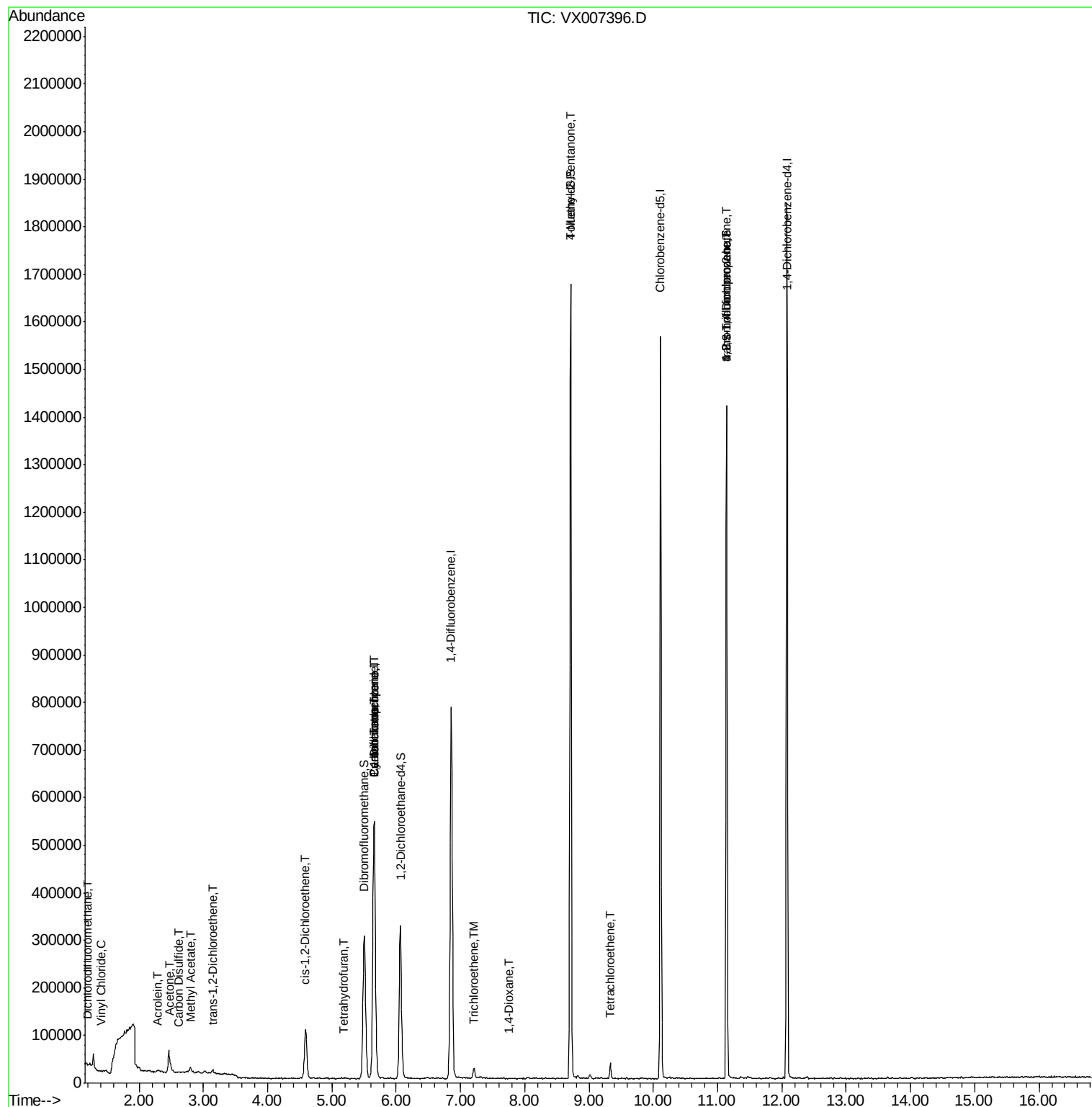
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	208	0.207	ug/l	80
4) Vinyl Chloride	1.42	62	1588	0.251	ug/l #	43
5) Bromomethane	1.64	94	1945	Below Cal		96
13) Acrolein	2.29	56	462	0.784	ug/l #	74
16) Acetone	2.48	43	15580	5.604	ug/l #	81
17) Carbon Disulfide	2.60	76	79	2.126	ug/l #	1
18) Methyl Acetate	2.80	43	10209	1.986	ug/l #	84
20) Methylene Chloride	2.84	84	1000	Below Cal	#	53
21) trans-1,2-Dichloroethene	3.14	96	2876	0.494	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	70767	11.140	ug/l	90
29) Tetrahydrofuran	5.18	42	978	0.393	ug/l #	66
31) Cyclohexane	5.66	56	9525	1.129	ug/l #	6
36) 1,1-Dichloropropene	5.66	75	34303	4.501	ug/l #	50
38) Carbon Tetrachloride	5.65	117	51380	6.948	ug/l #	17
44) Trichloroethene	7.21	130	7903	1.169	ug/l	95
49) 1,4-Dioxane	7.74	88	86	7.510	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	4097	0.523	ug/l #	1
64) Tetrachloroethene	9.34	164	7341	1.007	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	166934	22.056	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	166934	66.636	ug/l #	9

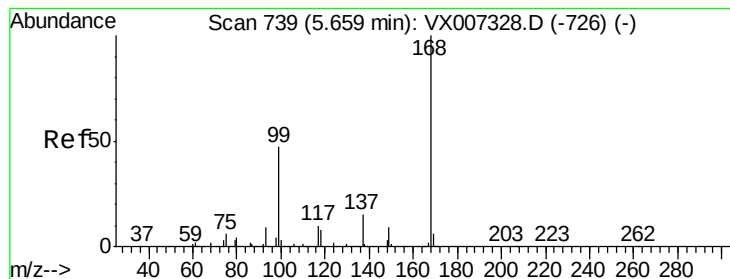
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

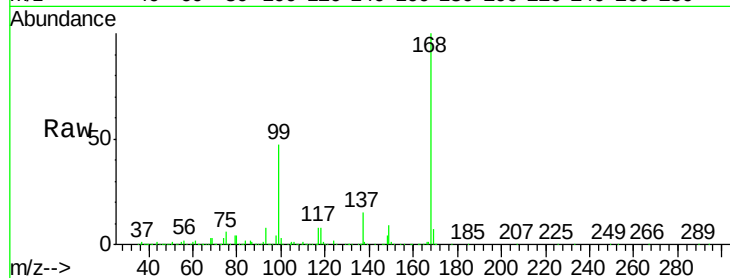
KY038PS035-190204

Tot Ion:168 Resp: 571824

Ion Ratio Lower Upper

168 100

99 47.5 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

200000

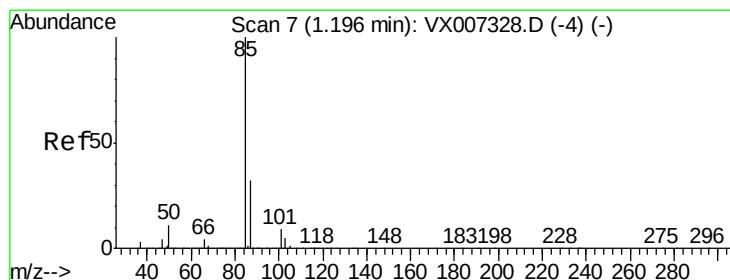
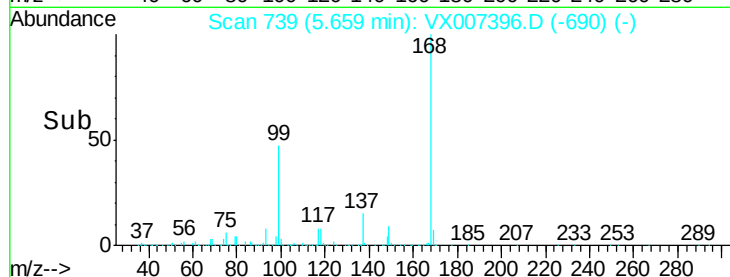
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.207 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007396.D

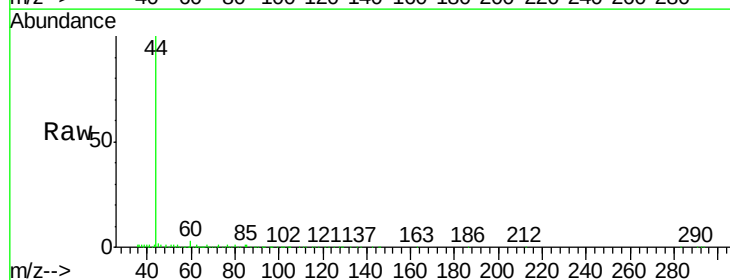
Acq: 06 Feb 2019 13:44

Tgt Ion: 85 Resp: 208

Ion Ratio Lower Upper

85 100

87 42.8 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

400

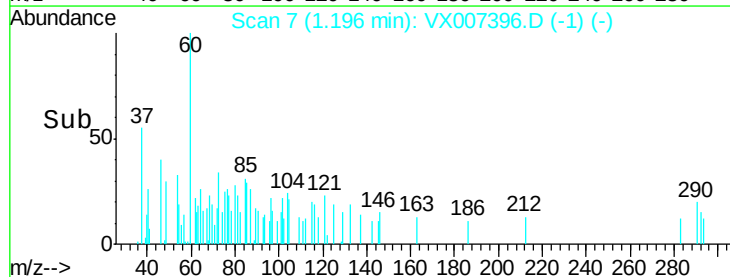
300

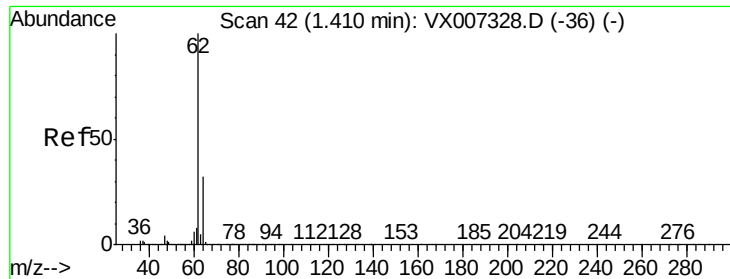
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 0.251 ug/l

RT: 1.42 min Scan# 43

Delta R.T. 0.01 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

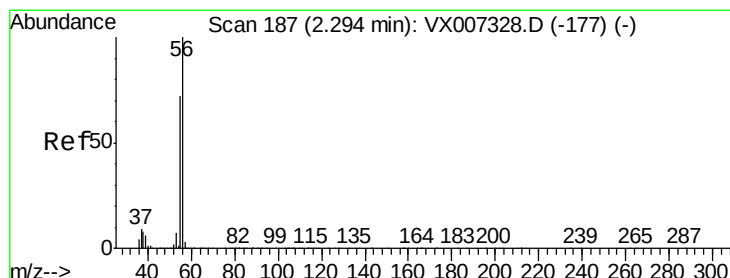
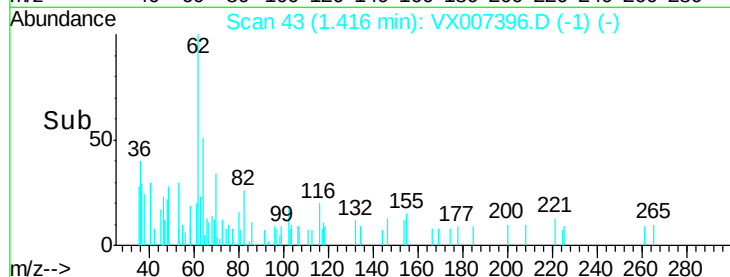
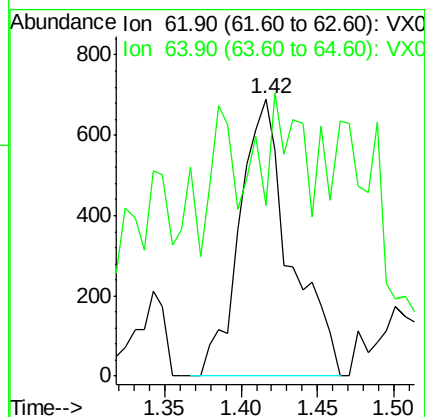
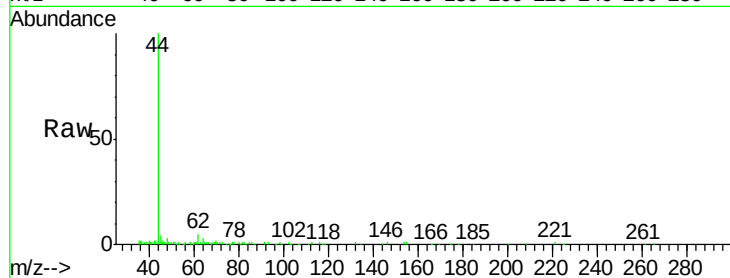
KY038PS035-190204

Tot Ion: 62 Resp: 1588

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#



#13

Acrolein

Concen: 0.784 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX007396.D

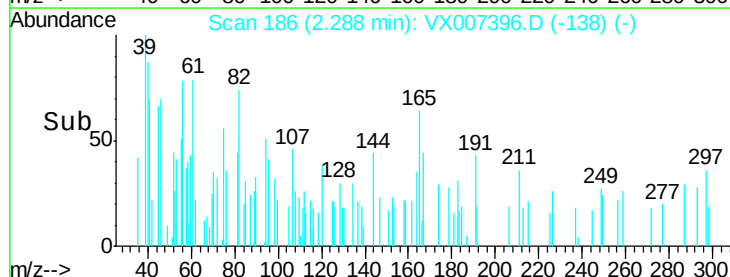
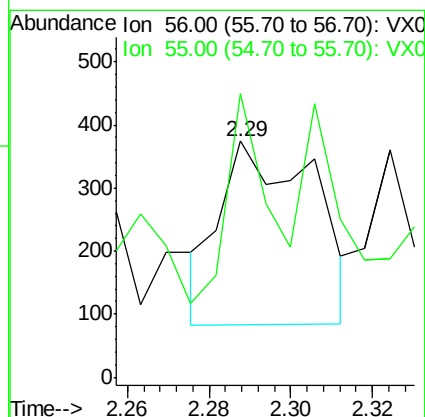
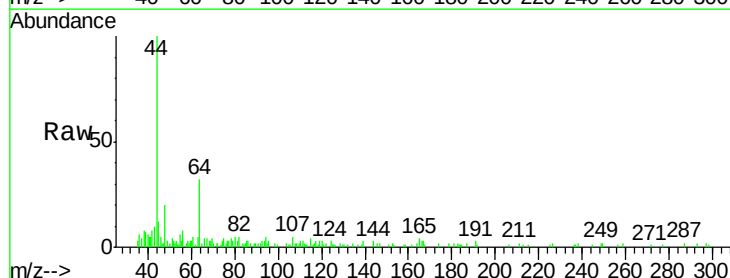
Acq: 06 Feb 2019 13:44

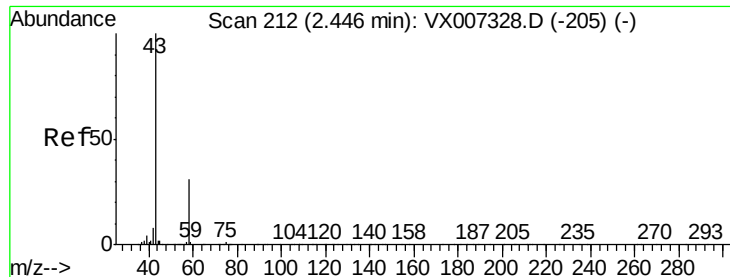
Tgt Ion: 56 Resp: 462

Ion Ratio Lower Upper

56 100

55 49.8 56.9 85.3#





#16

Acetone

Concen: 5.604 ug/l

RT: 2.48 min Scan# 218

Delta R.T. 0.04 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

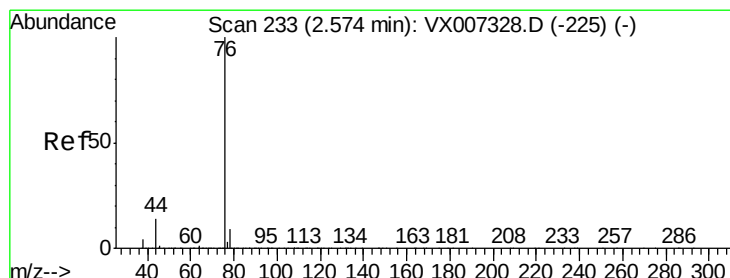
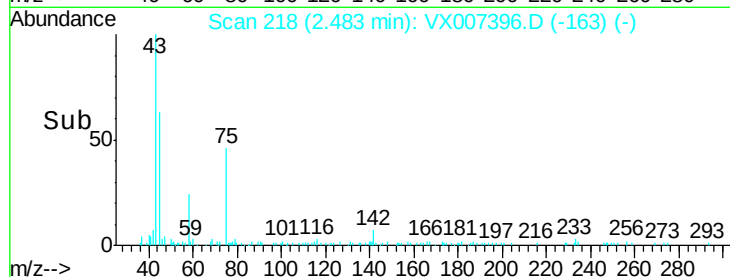
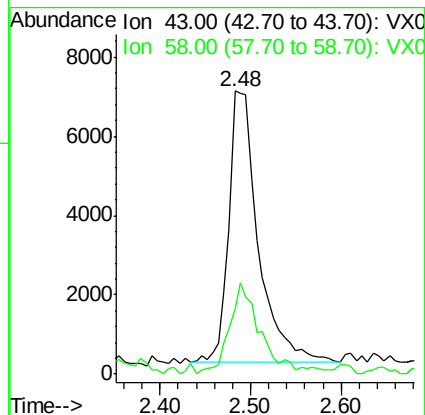
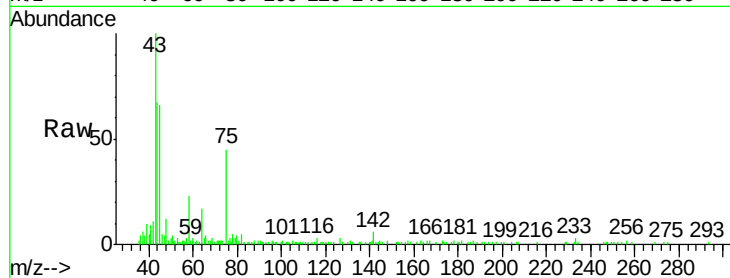
KY038PS035-190204

Tot Ion: 43 Resp: 15580

Ion Ratio Lower Upper

43 100

58 20.7 24.9 37.3#



#17

Carbon Disulfide

Concen: 2.126 ug/l

RT: 2.60 min Scan# 238

Delta R.T. 0.03 min

Lab File: VX007396.D

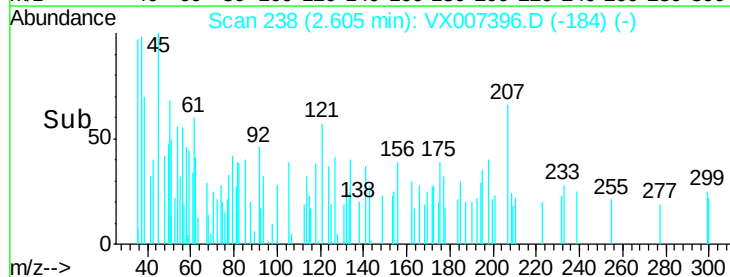
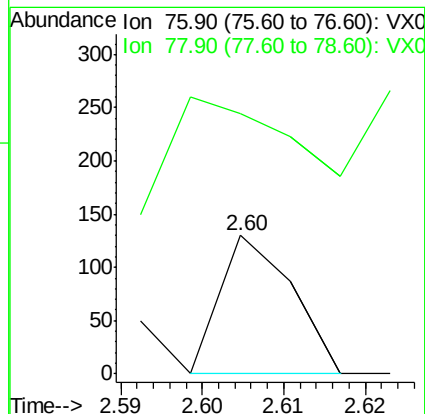
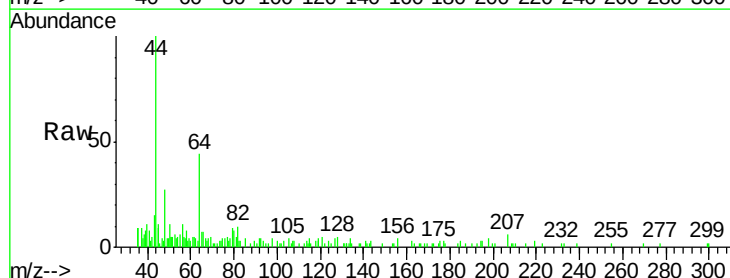
Acq: 06 Feb 2019 13:44

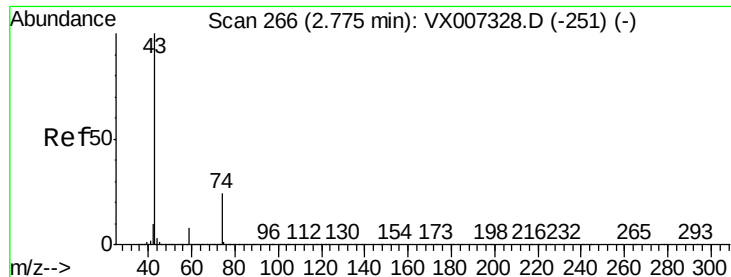
Tgt Ion: 76 Resp: 79

Ion Ratio Lower Upper

76 100

78 46.2 7.1 10.7#





#18

Methyl Acetate

Concen: 1.986 ug/l

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

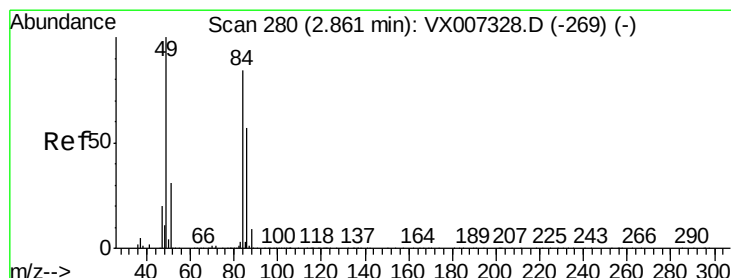
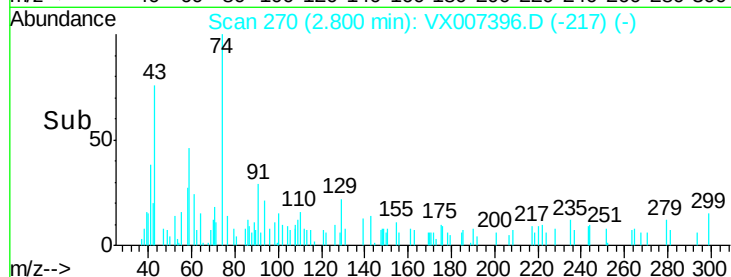
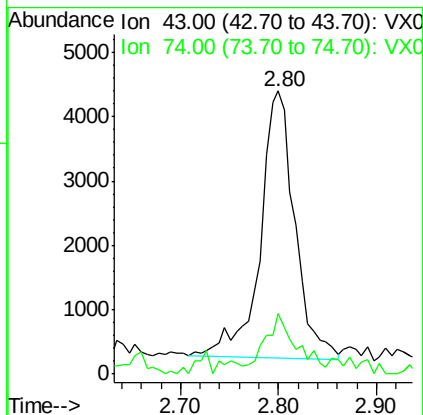
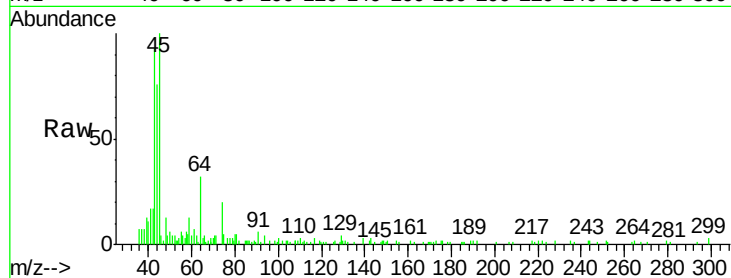
KY038PS035-190204

Tot Ion: 43 Resp: 10209

Ion Ratio Lower Upper

43 100

74 16.4 19.4 29.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Tgt Ion: 84 Resp: 1000

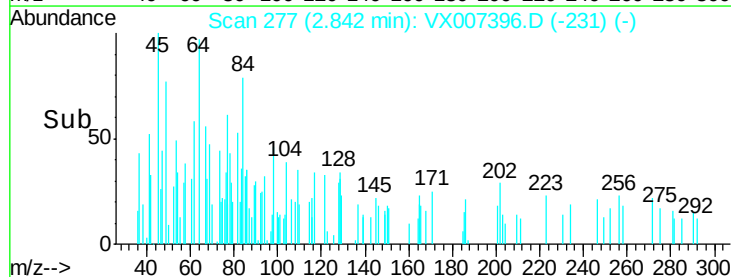
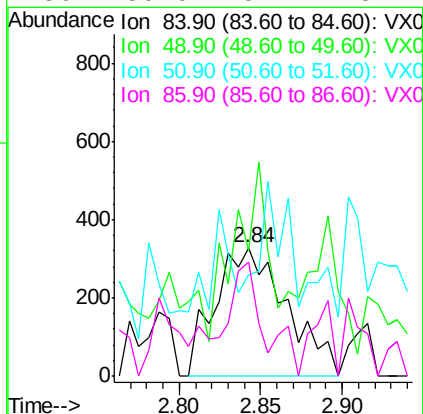
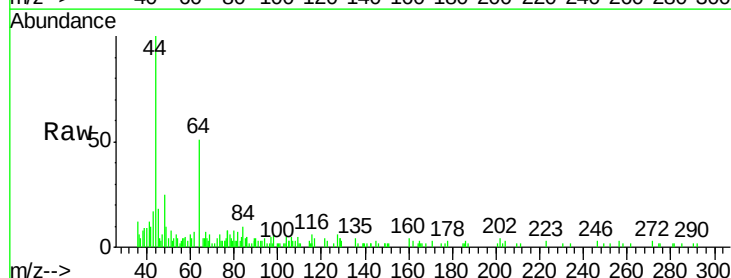
Ion Ratio Lower Upper

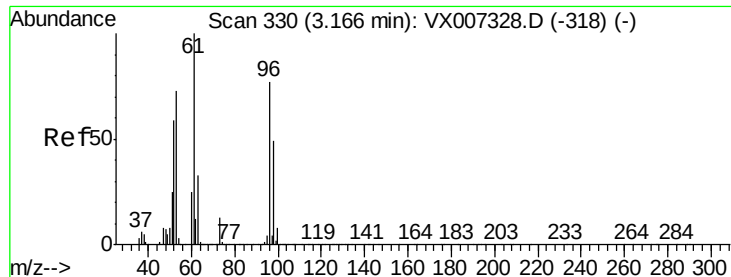
84 100

49 39.6 94.8 142.2#

51 32.9 29.8 44.8

86 89.0 54.1 81.1#





#21

trans-1,2-Dichloroethene

Concen: 0.494 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.02 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

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ClientSampleId :

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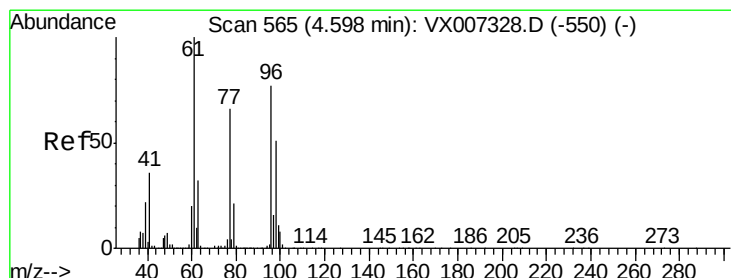
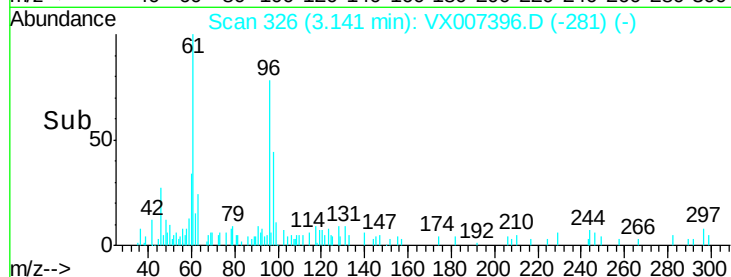
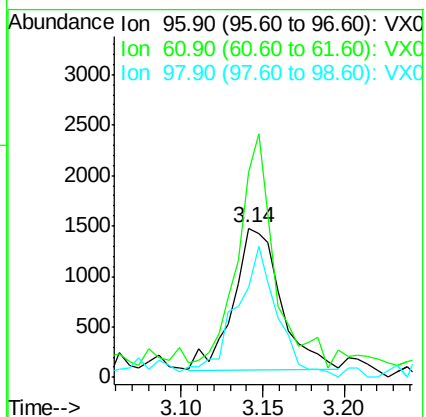
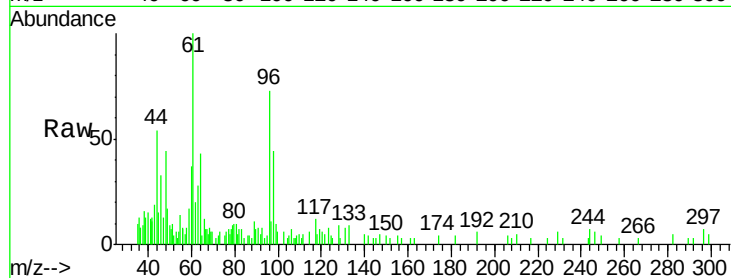
Tot Ion: 96 Resp: 2876

Ion Ratio Lower Upper

96 100

61 134.2 104.6 156.8

98 64.0 51.0 76.4



#27

cis-1,2-Dichloroethene

Concen: 11.140 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

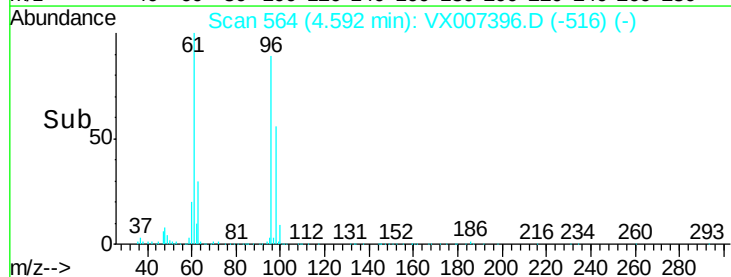
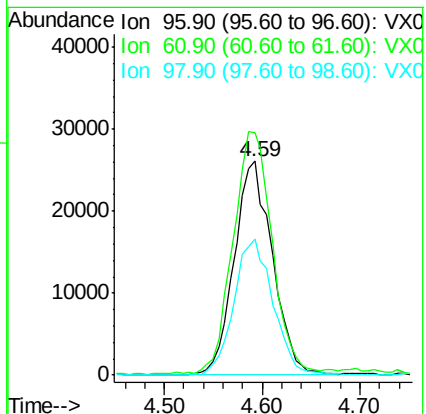
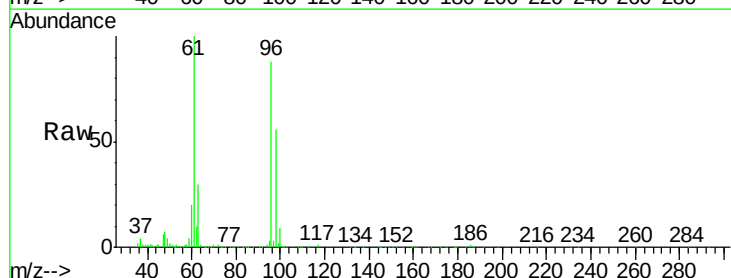
Tgt Ion: 96 Resp: 70767

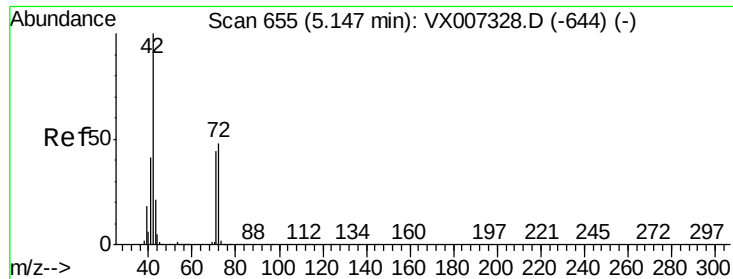
Ion Ratio Lower Upper

96 100

61 116.0 0.0 265.6

98 65.1 0.0 131.6

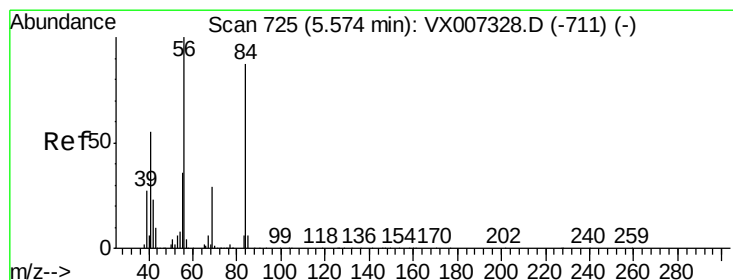
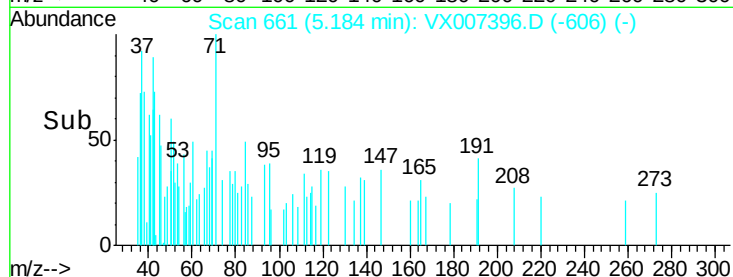
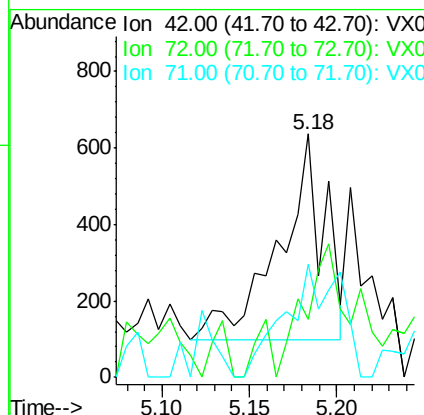
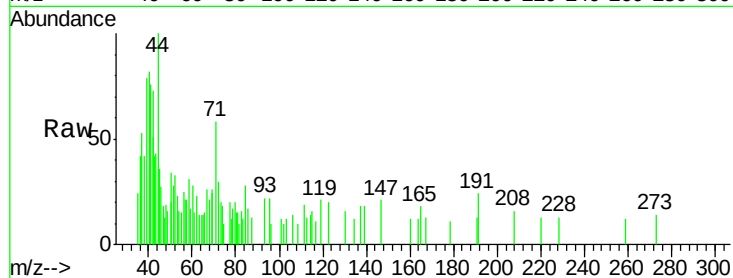




#29
Tetrahydrofuran
Concen: 0.393 ug/l
RT: 5.18 min Scan# 661
Delta R.T. 0.04 min
Lab File: VX007396.D
Acq: 06 Feb 2019 13:44

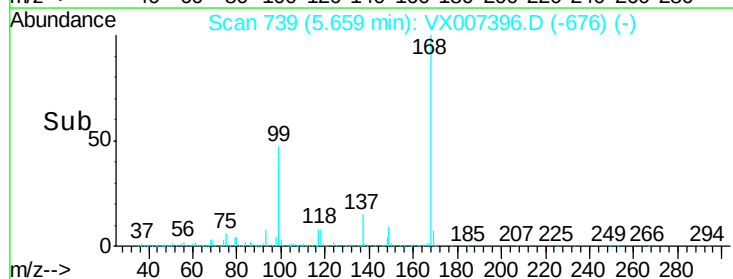
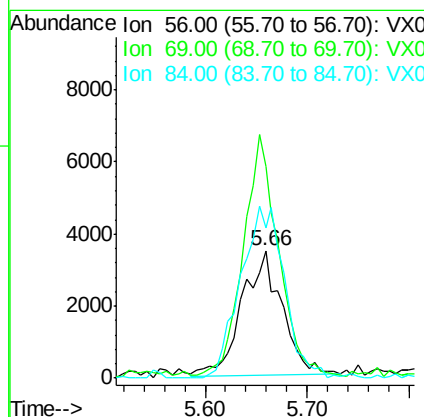
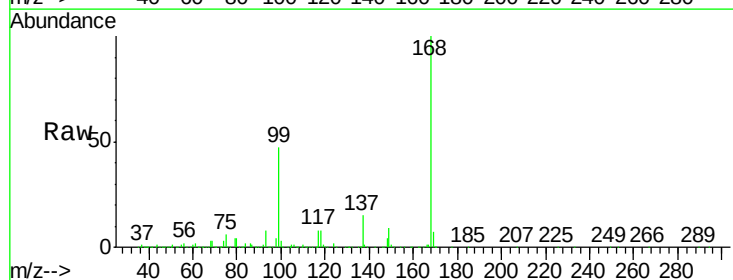
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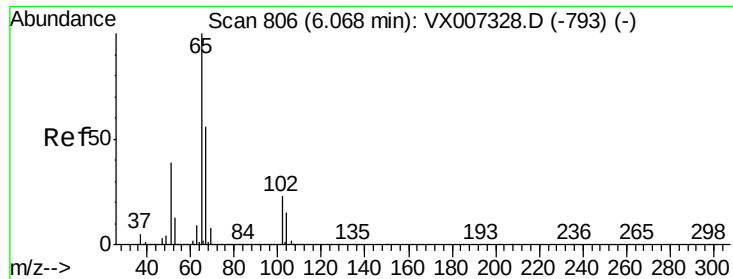
Tot Ion: 42 Resp: 978
Ion Ratio Lower Upper
42 100
72 68.7 37.6 56.4#
71 66.1 34.6 51.8#



#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007396.D
Acq: 06 Feb 2019 13:44

Tgt Ion: 56 Resp: 9525
Ion Ratio Lower Upper
56 100
69 169.6 23.0 34.6#
84 121.6 69.8 104.6#





#33

1,2-Dichloroethane-d4

Concen: 48.862 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

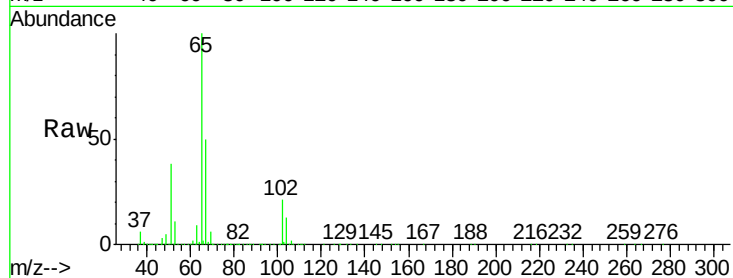
KY038PS035-190204

Tot Ion: 65 Resp: 296567

Ion Ratio Lower Upper

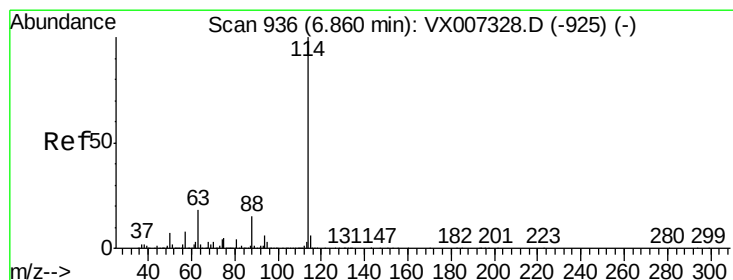
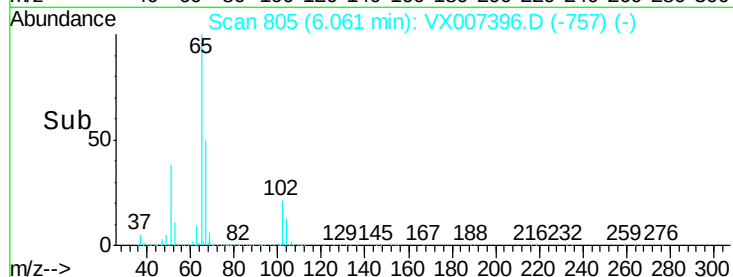
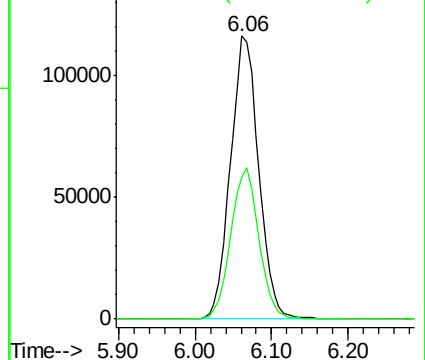
65 100

67 53.1 0.0 108.8



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: VX007396.D

Acq: 06 Feb 2019 13:44

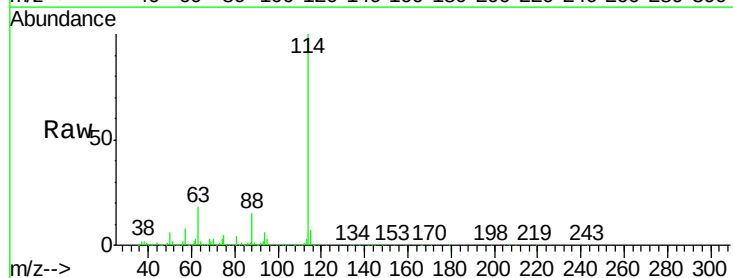
Tgt Ion: 114 Resp: 849487

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

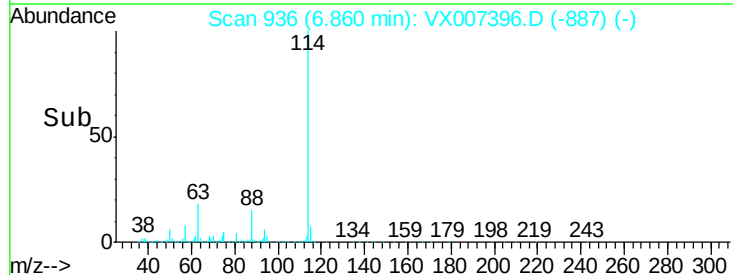
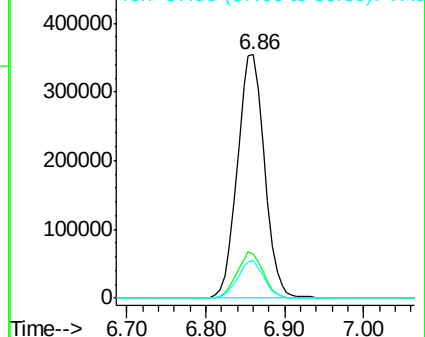
88 15.3 0.0 29.6

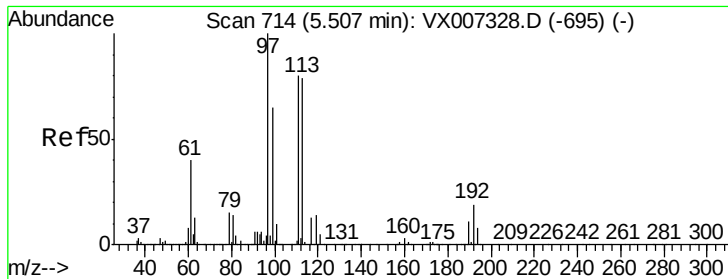


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.405 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

KY038PS035-190204

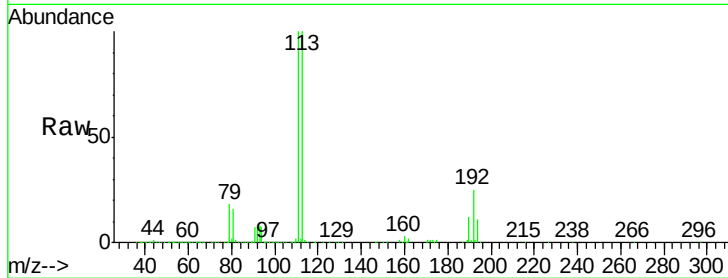
Tot Ion:113 Resp: 256496

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

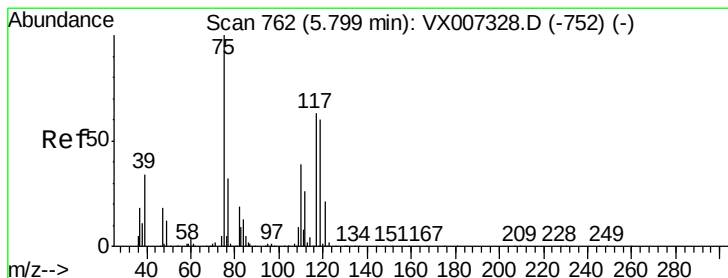
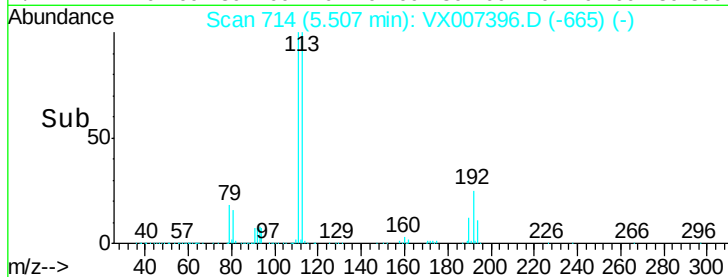
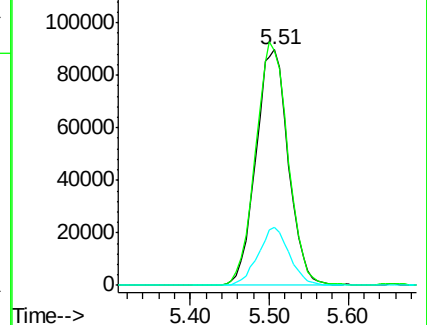
192 23.6 18.5 27.7



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: 4.501 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

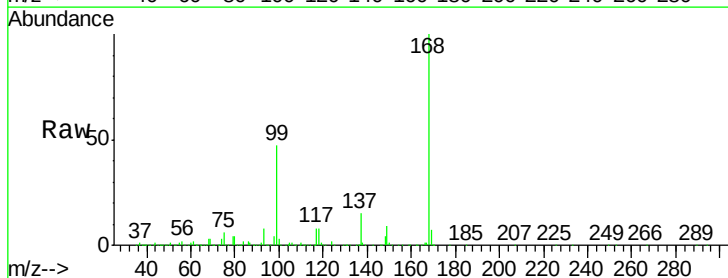
Tgt Ion: 75 Resp: 34303

Ion Ratio Lower Upper

75 100

110 12.1 20.0 59.9#

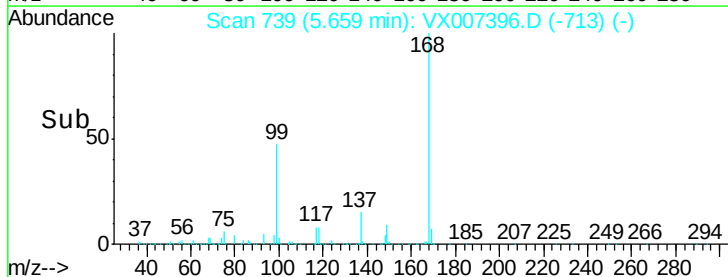
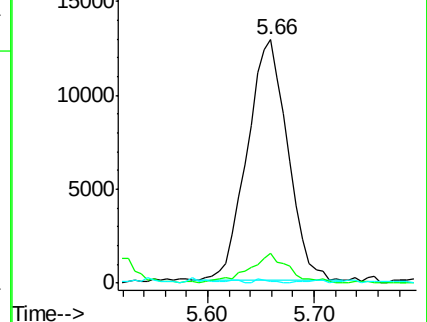
77 0.6 24.7 37.1#

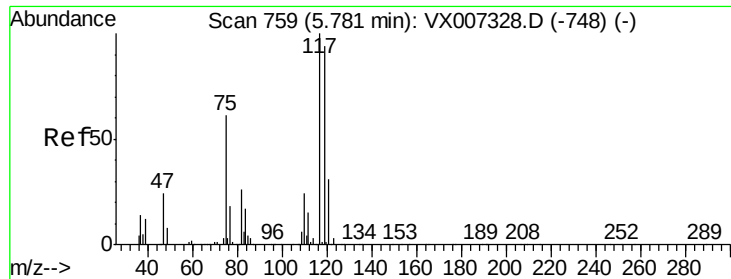


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.948 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

KY038PS035-190204

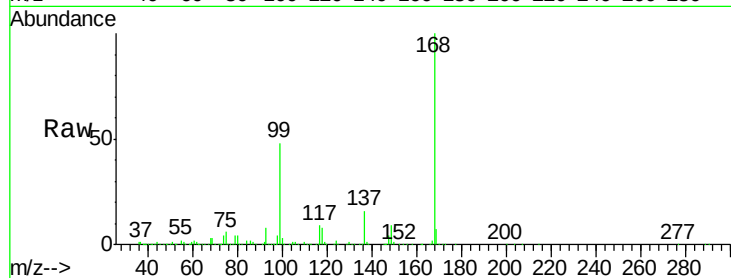
Tot Ion:117 Resp: 51380

Ion Ratio Lower Upper

117 100

119 5.5 75.3 112.9#

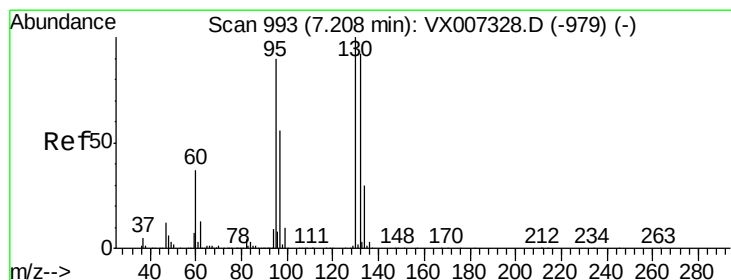
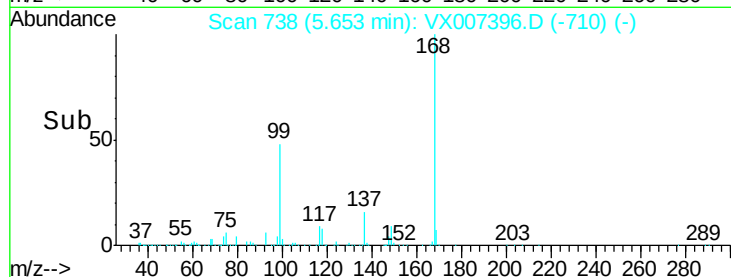
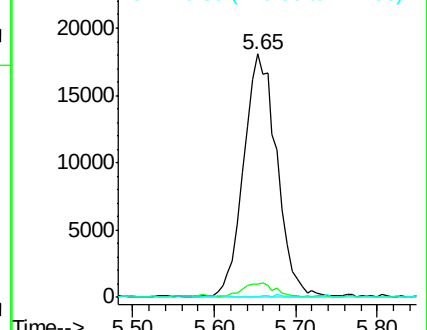
121 0.0 25.0 37.4#



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



#44

Trichloroethene

Concen: 1.169 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.00 min

Lab File: VX007396.D

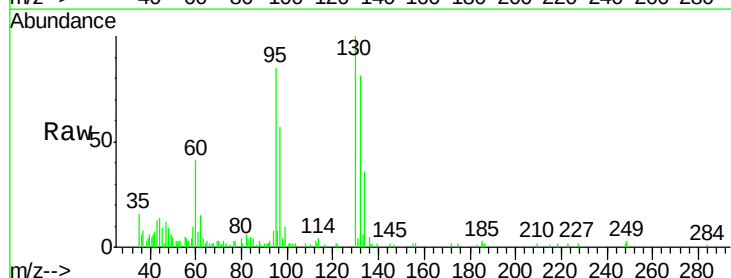
Acq: 06 Feb 2019 13:44

Tgt Ion:130 Resp: 7903

Ion Ratio Lower Upper

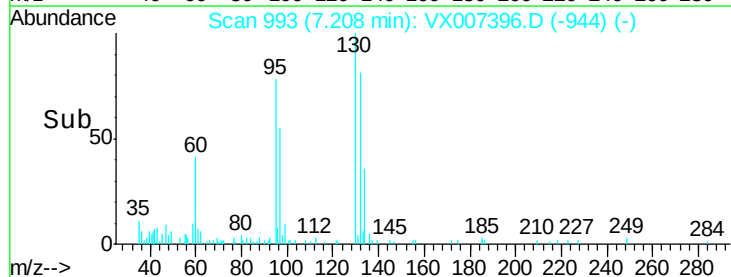
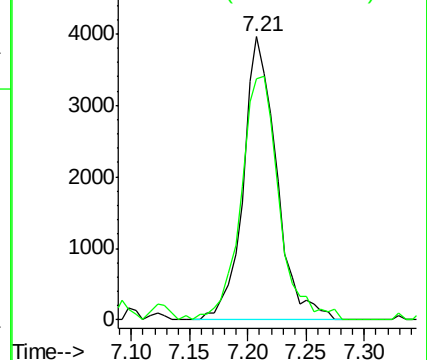
130 100

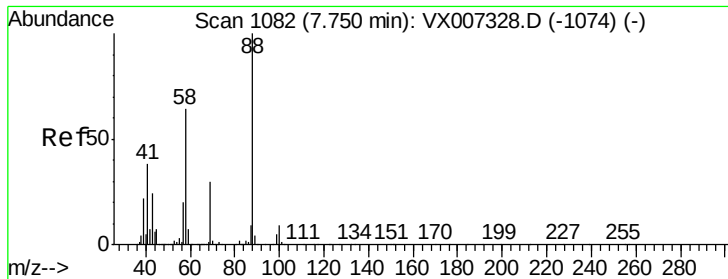
95 85.3 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 7.510 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

KY038PS035-190204

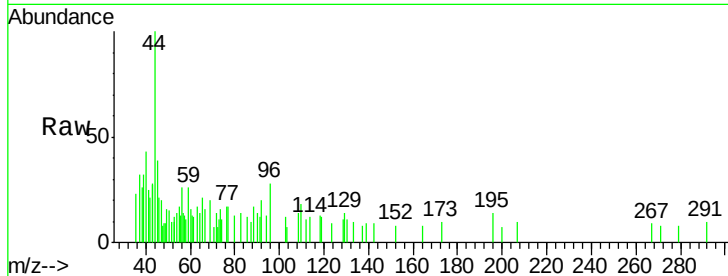
Tot Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 159.3 24.2 36.4#

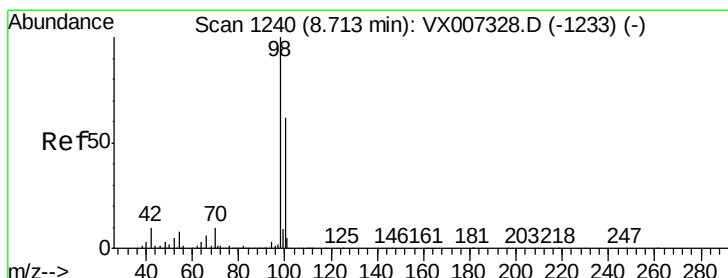
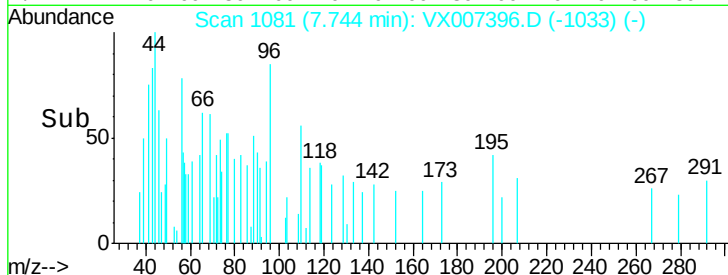
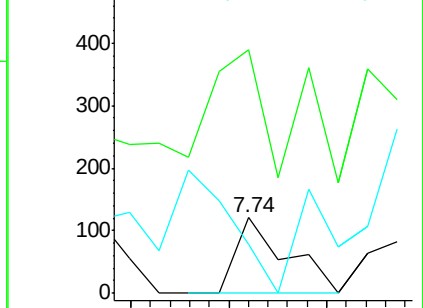
58 180.2 53.0 79.4#



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: 49.194 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007396.D

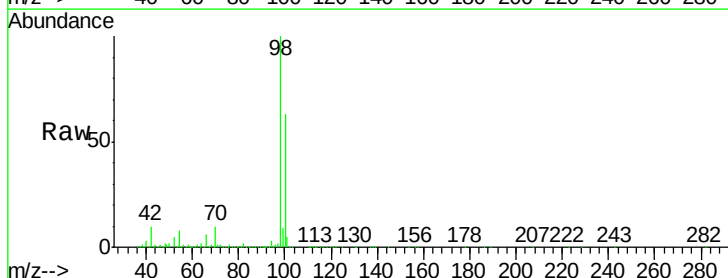
Acq: 06 Feb 2019 13:44

Tgt Ion: 98 Resp: 1008833

Ion Ratio Lower Upper

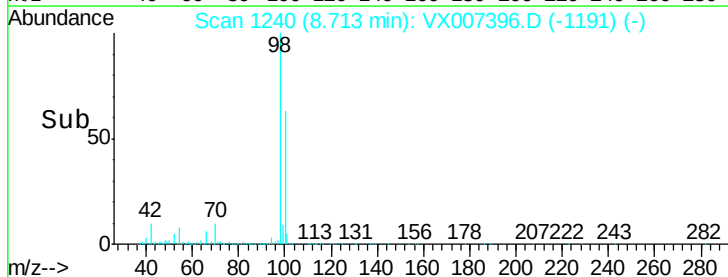
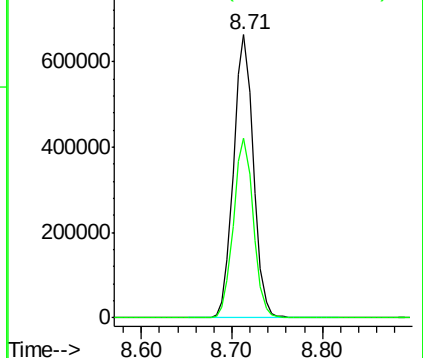
98 100

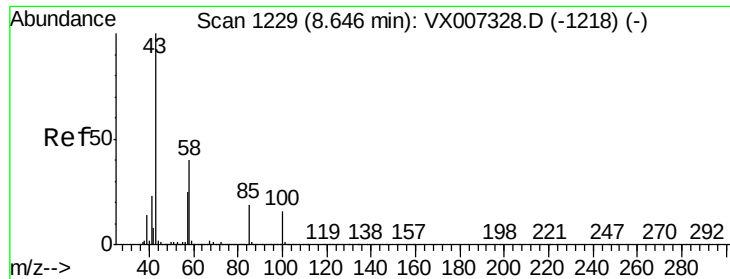
100 63.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.523 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. 0.06 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

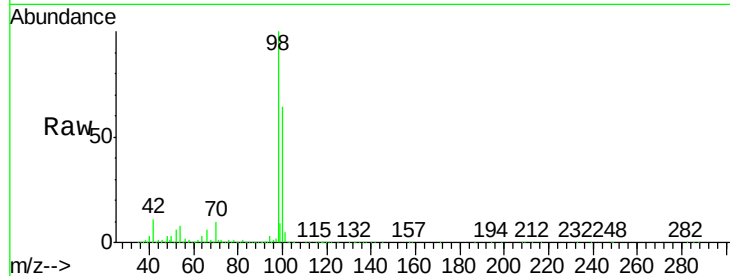
KY038PS035-190204

Tot Ion: 43 Resp: 4097

Ion Ratio Lower Upper

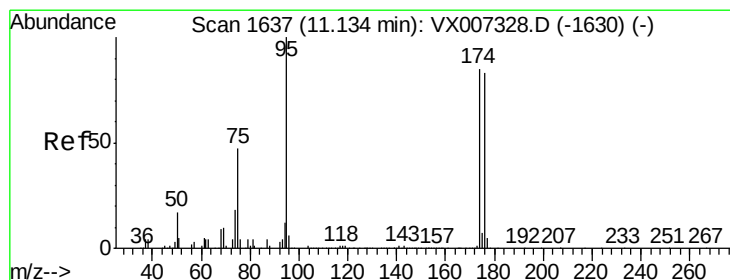
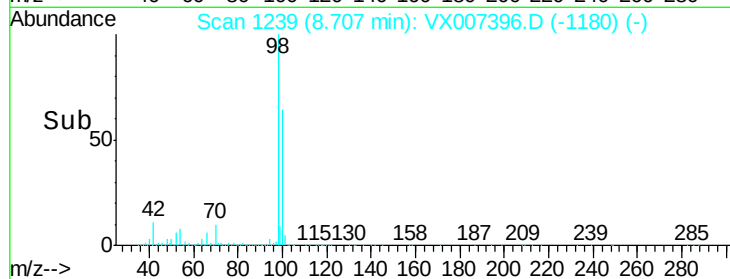
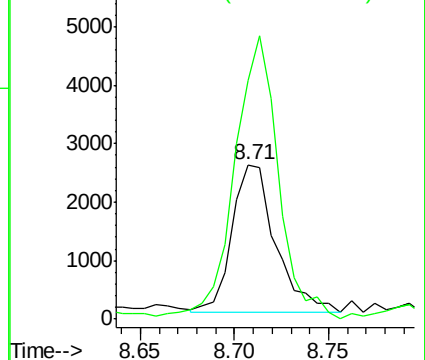
43 100

58 191.7 31.2 46.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.584 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

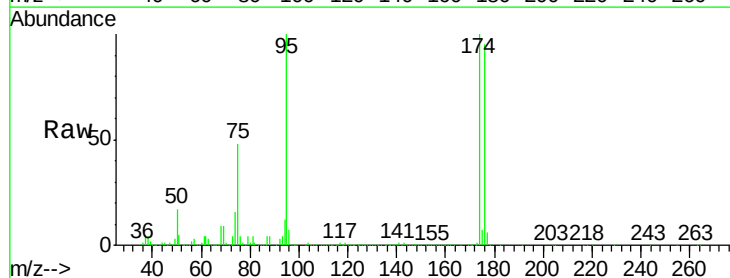
Tgt Ion: 95 Resp: 348782

Ion Ratio Lower Upper

95 100

174 96.4 0.0 189.2

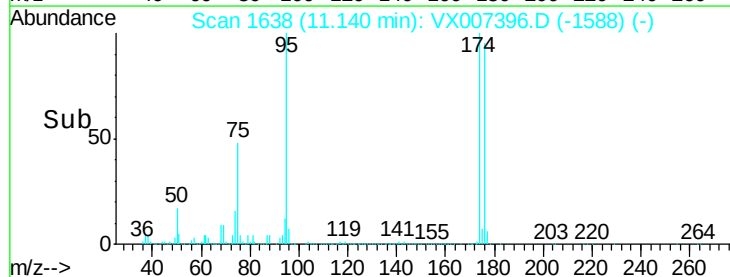
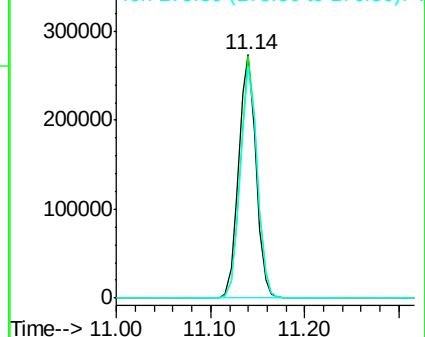
176 92.9 0.0 186.2

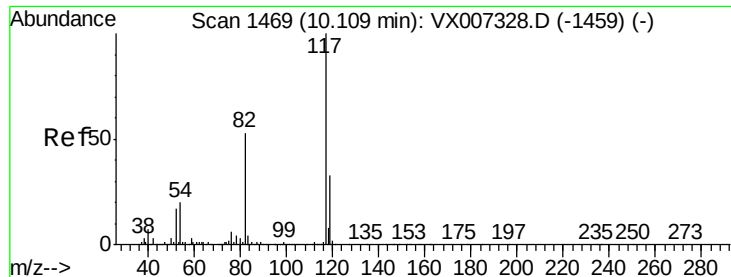


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

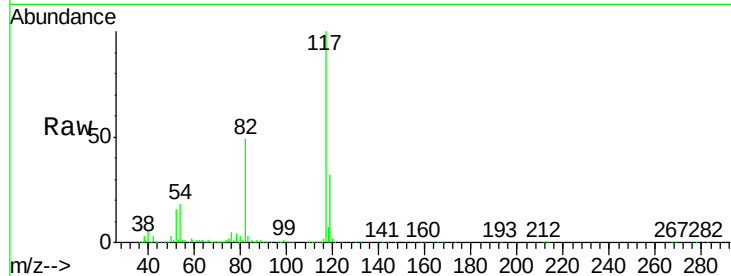




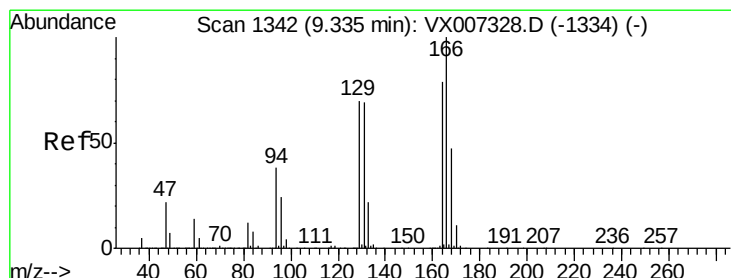
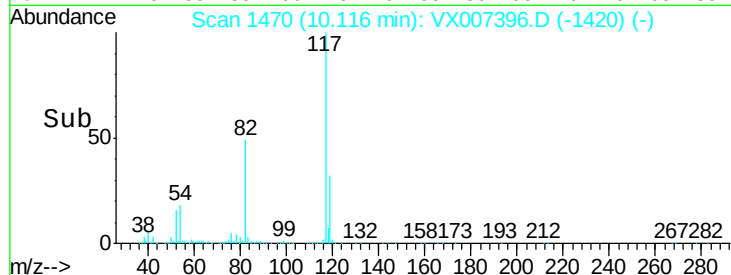
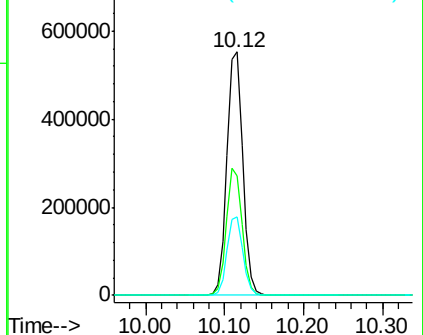
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007396.D
Acq: 06 Feb 2019 13:44

Instrument :
MSVOA_X
ClientSampleId :
KY038PS035-190204

Tot Ion:117 Resp: 773137
Ion Ratio Lower Upper
117 100
82 49.2 42.1 63.1
119 32.4 26.5 39.7



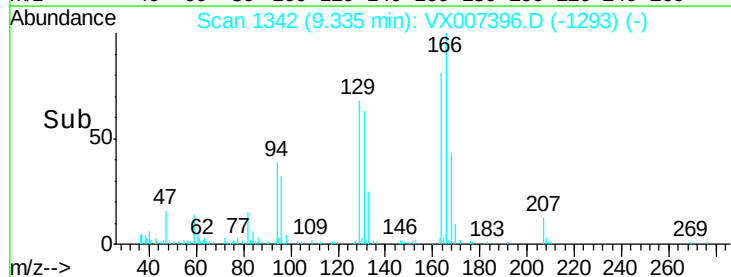
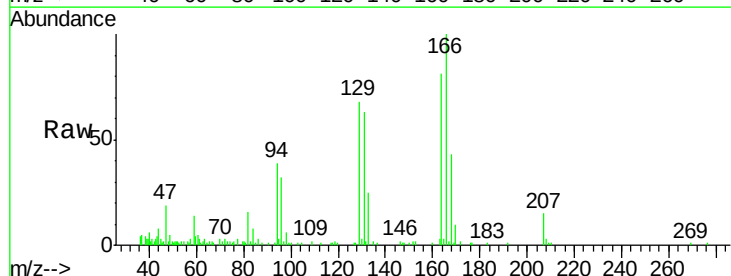
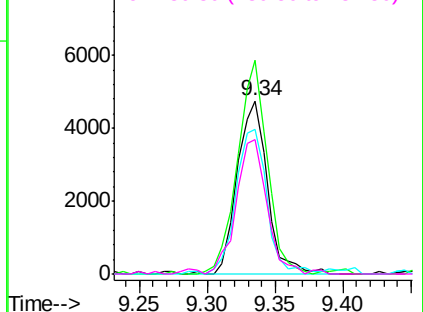
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

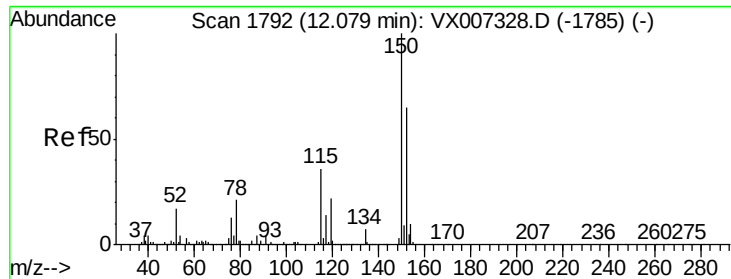


#64
Tetrachloroethene
Concen: 1.007 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007396.D
Acq: 06 Feb 2019 13:44

Tgt Ion:164 Resp: 7341
Ion Ratio Lower Upper
164 100
166 123.3 101.0 151.4
129 82.4 70.5 105.7
131 77.7 69.8 104.6

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



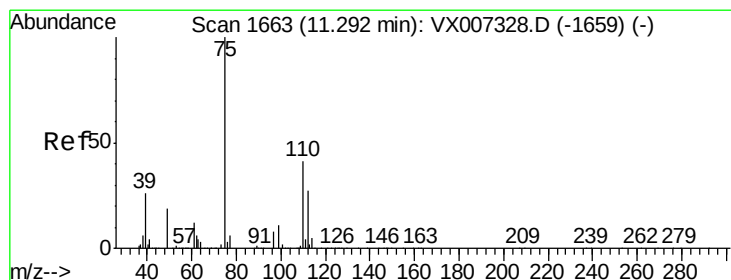
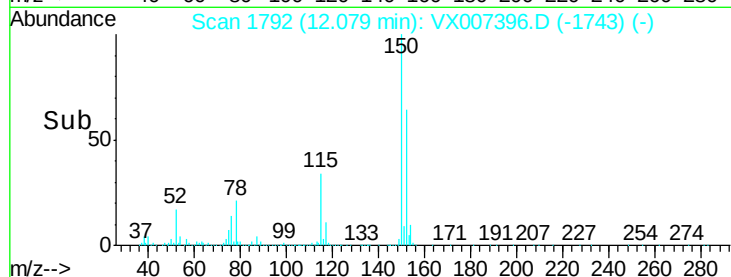
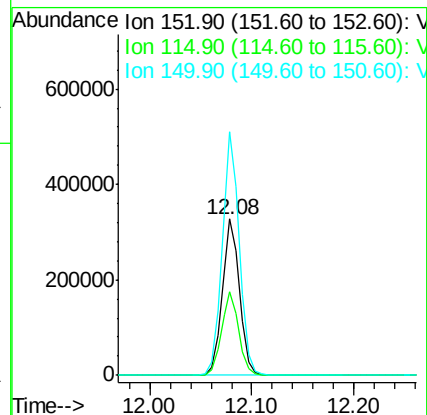
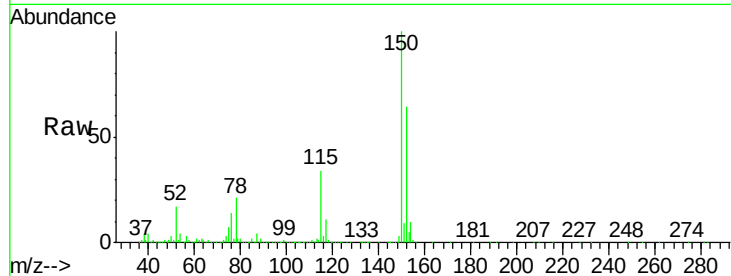


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007396.D
Acq: 06 Feb 2019 13:44

Instrument :
MSVOA_X
ClientSampleId :
KY038PS035-190204

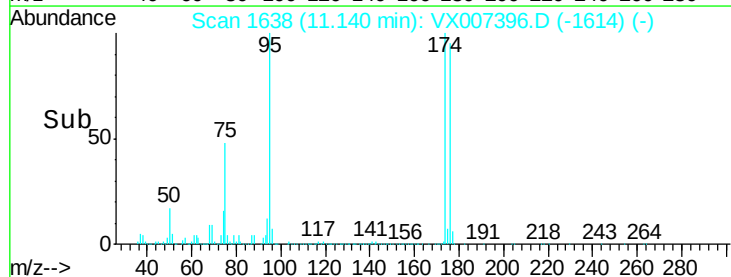
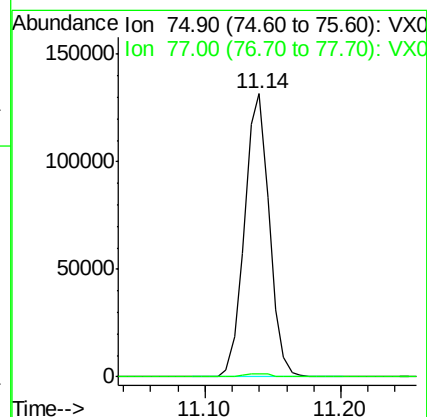
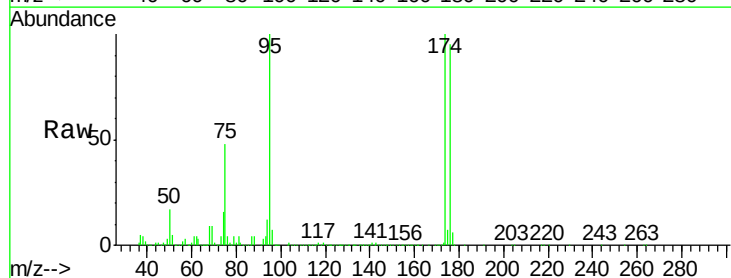
Tot Ion:152 Resp: 389108
Ion Ratio Lower Upper
152 100
115 53.7 38.0 114.0
150 155.2 0.0 346.4

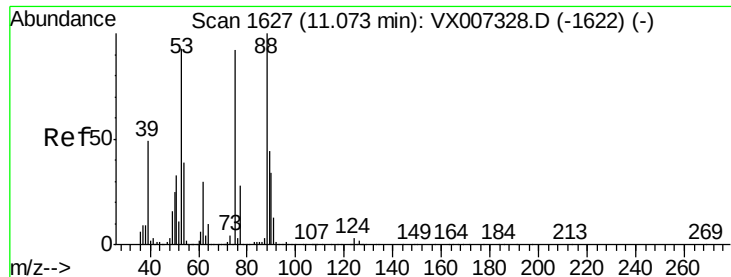


#76

1,2,3-Trichloropropane
Concen: 22.056 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.15 min
Lab File: VX007396.D
Acq: 06 Feb 2019 13:44

Tgt Ion: 75 Resp: 166934
Ion Ratio Lower Upper
75 100
77 1.7 23.0 69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 66.636 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX007396.D

Acq: 06 Feb 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

KY038PS035-190204

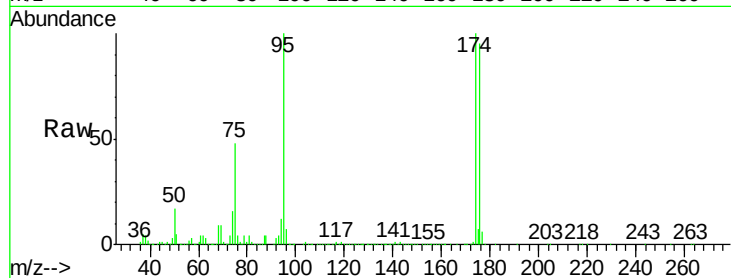
Tot Ion: 75 Resp: 166934

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 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

