

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007395.D
 Acq On : 06 Feb 2019 13:18
 Operator : JC/SP
 Sample : K1380-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-190204

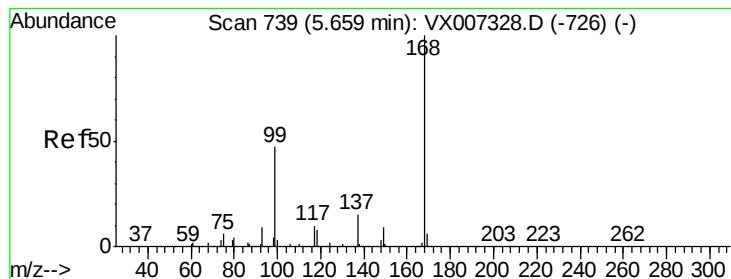
Quant Time: Feb 07 00:00:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	559255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	837715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	760289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	387109	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	291242	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	5.50	113	252096	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
50) Toluene-d8	8.71	98	996128	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.14	95	347019	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	215	0.209	ug/l #	54
3) Chloromethane	1.33	50	3166	0.503	ug/l #	81
4) Vinyl Chloride	1.41	62	4420	0.715	ug/l	98
5) Bromomethane	1.64	94	1678	Below Cal	#	80
11) Tert butyl alcohol	3.02	59	3422	2.786	ug/l	99
13) Acrolein	2.28	56	263	0.457	ug/l #	1
16) Acetone	2.48	43	14800	5.443	ug/l	97
17) Carbon Disulfide	2.59	76	204	2.135	ug/l #	1
18) Methyl Acetate	2.76	43	9055	1.856	ug/l #	54
20) Methylene Chloride	2.85	84	1074	Below Cal	#	70
21) trans-1,2-Dichloroethene	3.15	96	1409	0.248	ug/l #	48
27) cis-1,2-Dichloroethene	4.59	96	218345	35.144	ug/l	89
31) Cyclohexane	5.66	56	9629	1.167	ug/l #	10
36) 1,1-Dichloropropene	5.65	75	35141	4.675	ug/l #	49
38) Carbon Tetrachloride	5.66	117	49693	6.815	ug/l #	18
44) Trichloroethene	7.21	130	35051	5.256	ug/l	93
49) 1,4-Dioxane	7.75	88	75	7.437	ug/l #	1
60) Dibromochloromethane	9.34	129	33928	6.025	ug/l #	12
64) Tetrachloroethene	9.34	164	37533	5.238	ug/l	95
65) Chlorobenzene	10.14	112	9430	0.568	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	166502	22.113	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	166502	66.796	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX007395.D

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ClientSampleId :

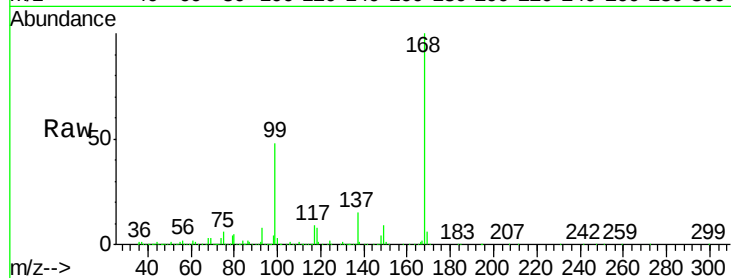
KY038PS027-190204

Tot Ion:168 Resp: 559255

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

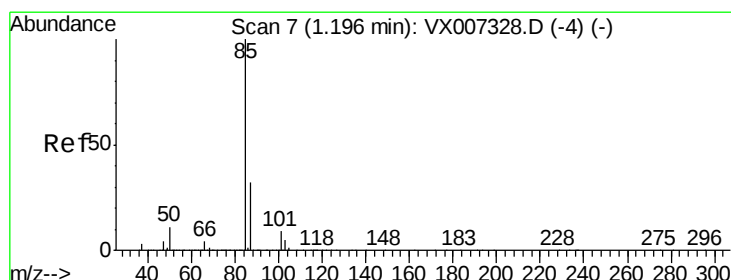
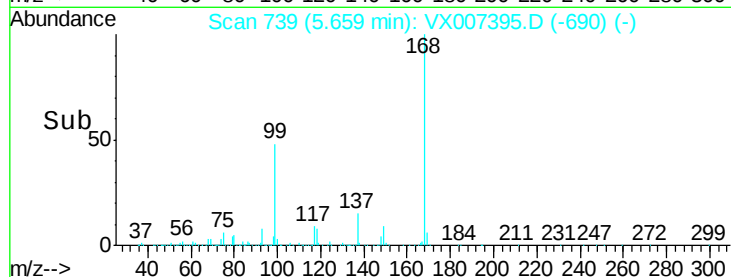
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.209 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007395.D

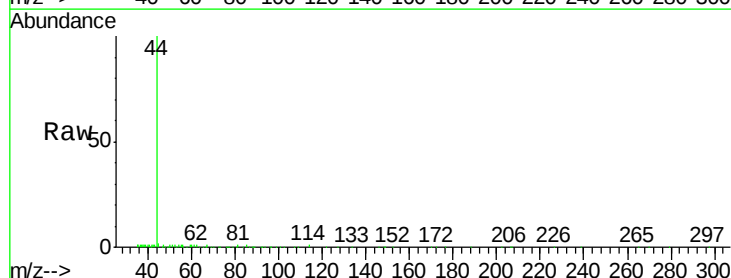
Acq: 06 Feb 2019 13:18

Tgt Ion: 85 Resp: 215

Ion Ratio Lower Upper

85 100

87 57.1 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

250

200

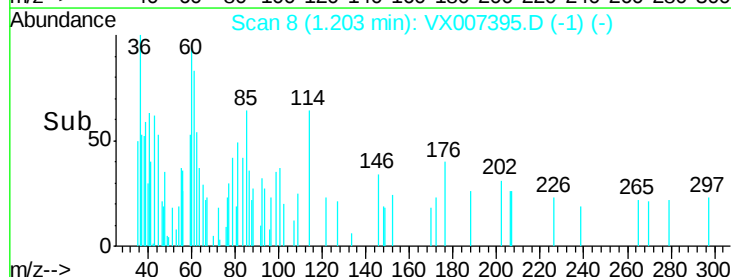
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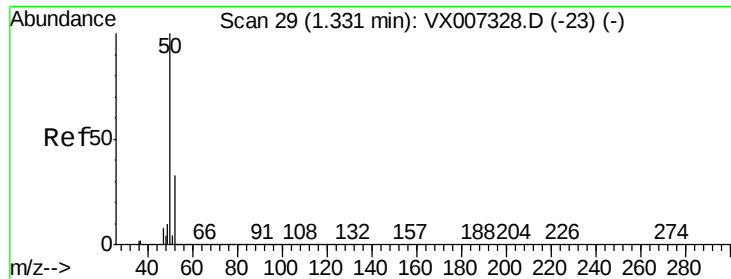
100

50

0

Time-->





#3

Chloromethane

Concen: 0.503 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007395.D

Acq: 06 Feb 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

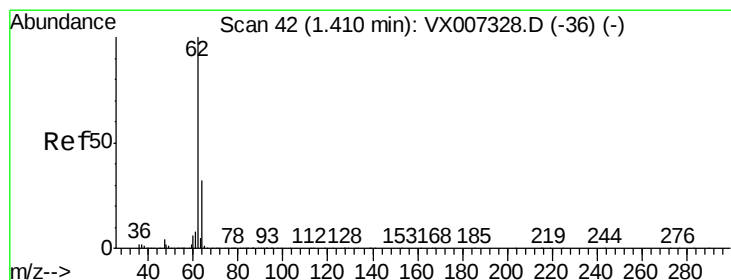
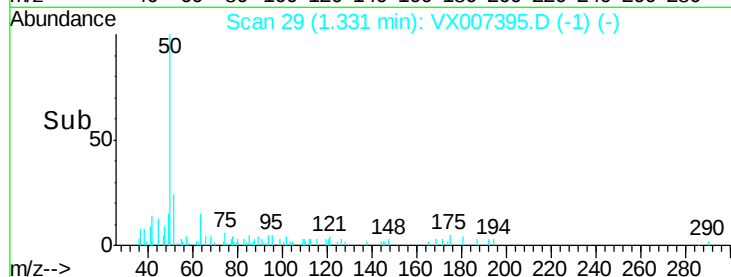
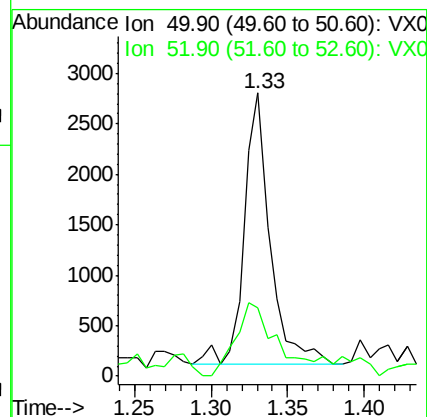
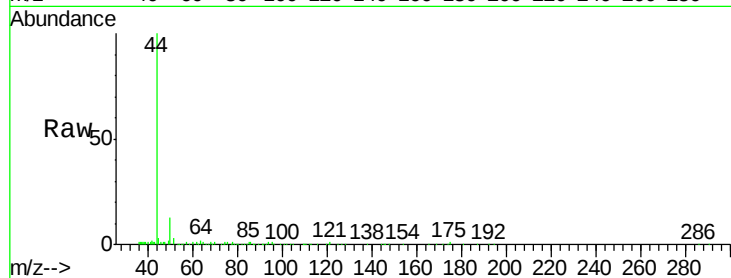
KY038PS027-190204

Tot Ion: 50 Resp: 3166

Ion Ratio Lower Upper

50 100

52 21.8 26.1 39.1#



#4

Vinyl Chloride

Concen: 0.715 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007395.D

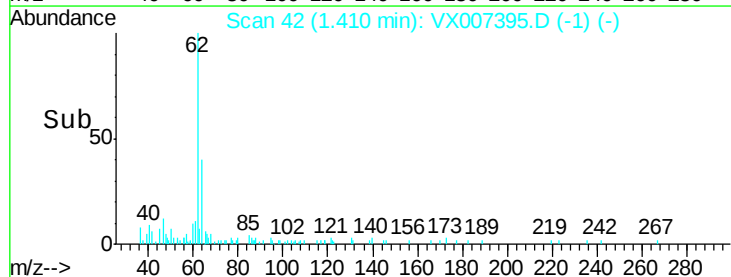
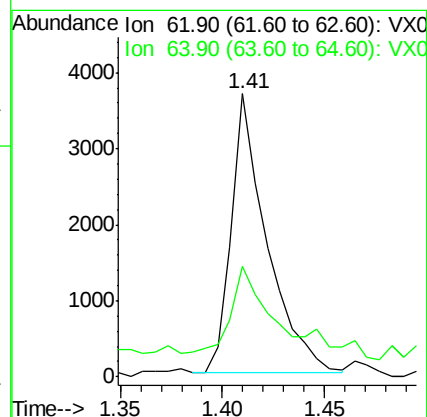
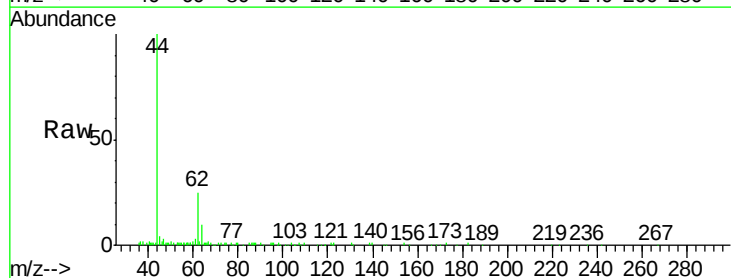
Acq: 06 Feb 2019 13:18

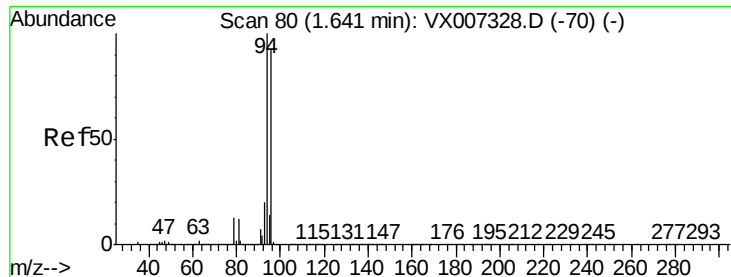
Tgt Ion: 62 Resp: 4420

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007395.D

Acq: 06 Feb 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

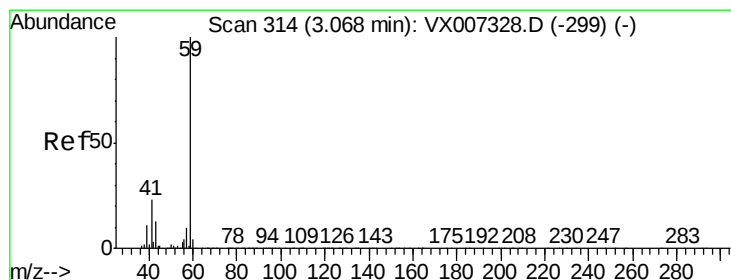
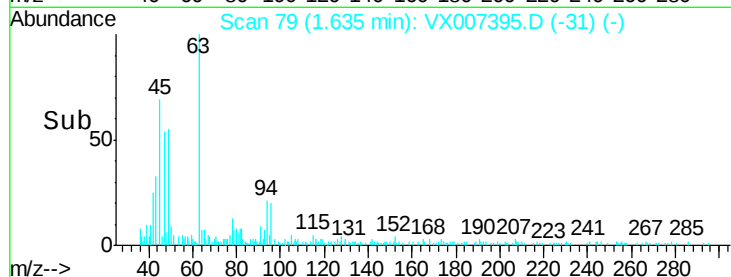
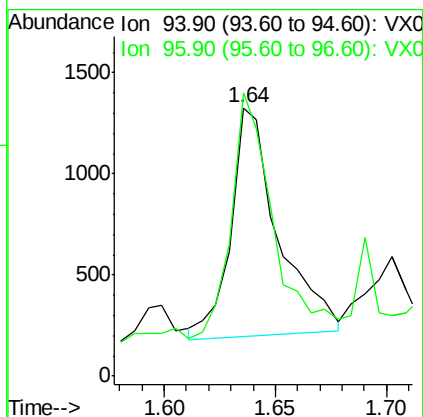
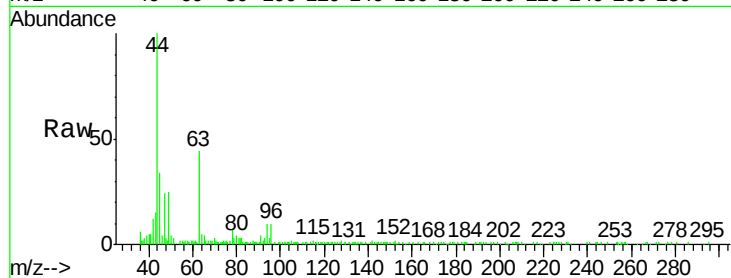
KY038PS027-190204

Tot Ion: 94 Resp: 1678

Ion Ratio Lower Upper

94 100

96 111.3 73.9 110.9#



#11

Tert butyl alcohol

Concen: 2.786 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX007395.D

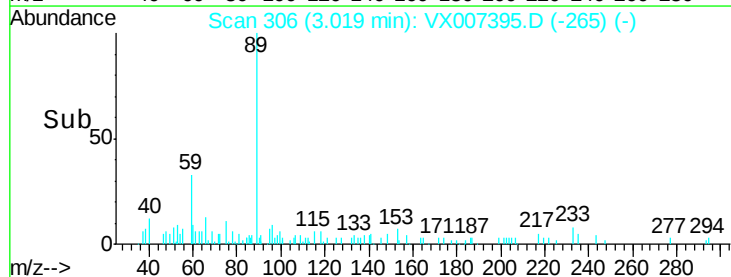
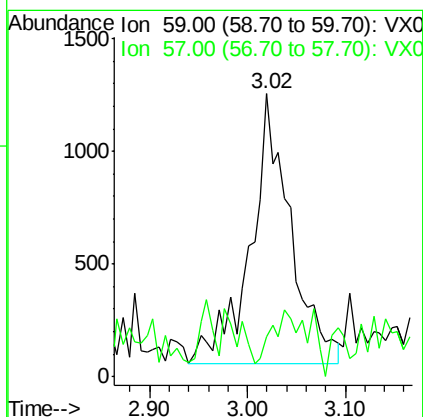
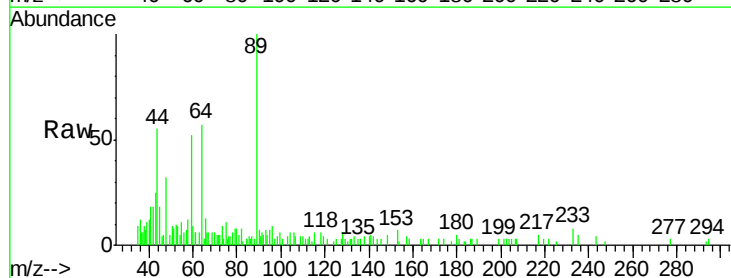
Acq: 06 Feb 2019 13:18

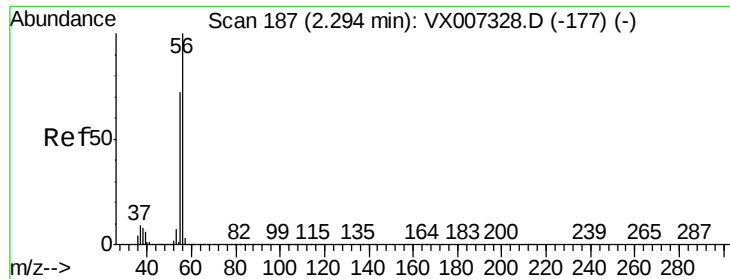
Tgt Ion: 59 Resp: 3422

Ion Ratio Lower Upper

59 100

57 10.6 8.1 12.1





#13

Acrolein

Concen: 0.457 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX007395.D

Acq: 06 Feb 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

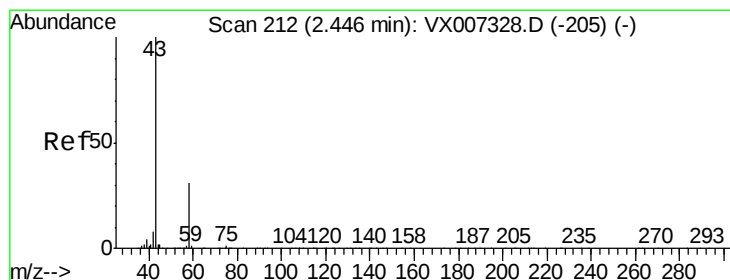
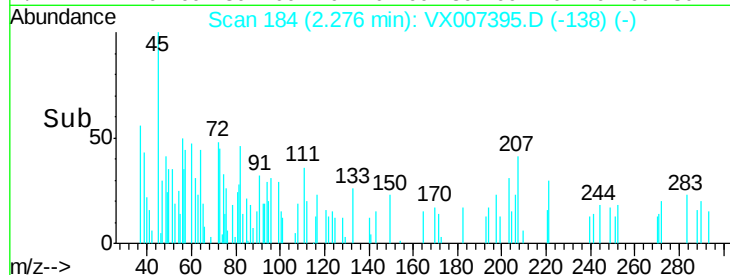
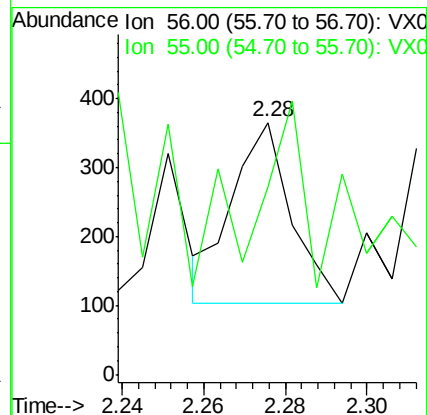
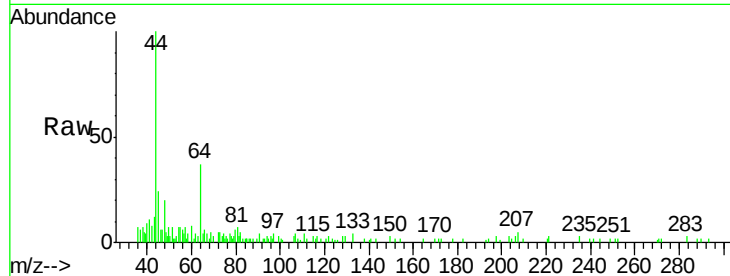
KY038PS027-190204

Tot Ion: 56 Resp: 263

Ion Ratio Lower Upper

56 100

55 272.2 56.9 85.3#



#16

Acetone

Concen: 5.443 ug/l

RT: 2.48 min Scan# 217

Delta R.T. 0.03 min

Lab File: VX007395.D

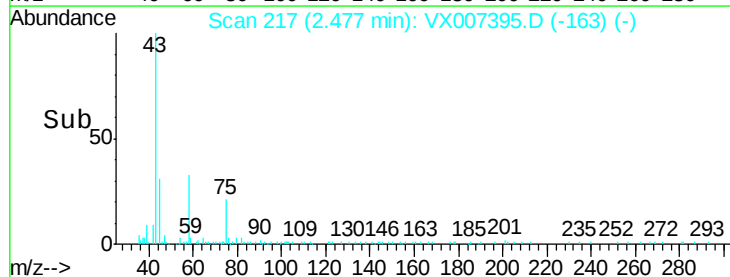
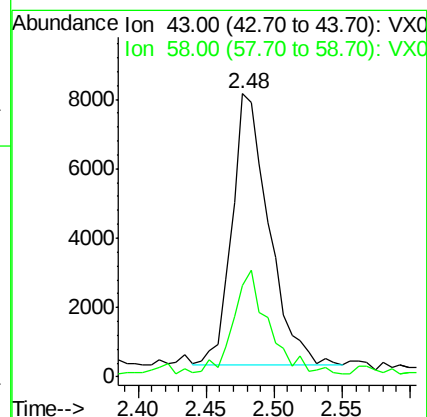
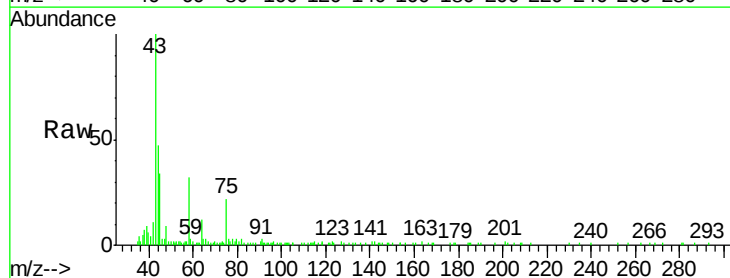
Acq: 06 Feb 2019 13:18

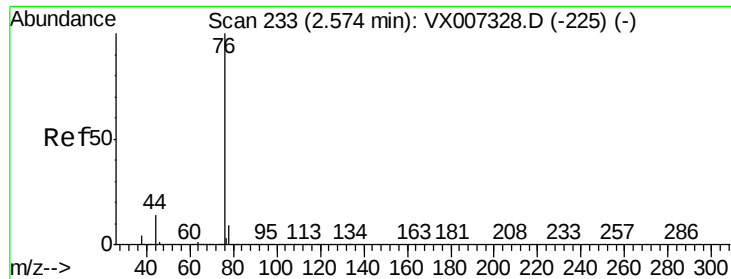
Tgt Ion: 43 Resp: 14800

Ion Ratio Lower Upper

43 100

58 32.6 24.9 37.3

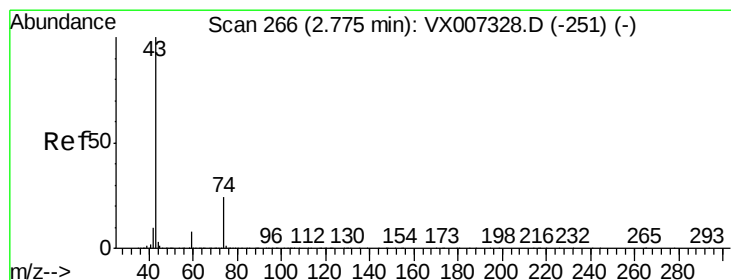
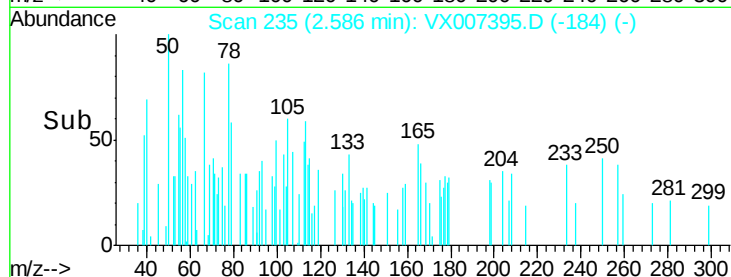
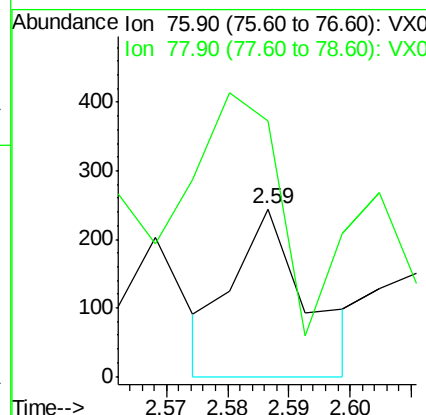
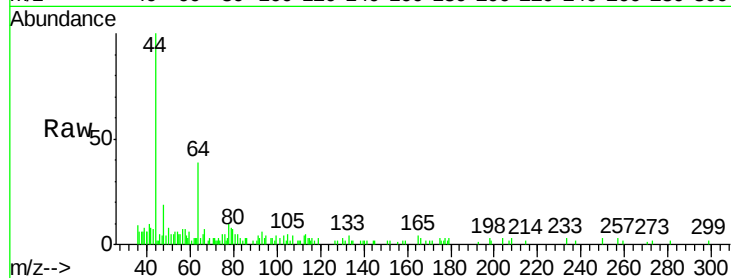




#17
Carbon Disulfide
Concen: 2.135 ug/l
RT: 2.59 min Scan# 235
Delta R.T. 0.01 min
Lab File: VX007395.D
Acq: 06 Feb 2019 13:18

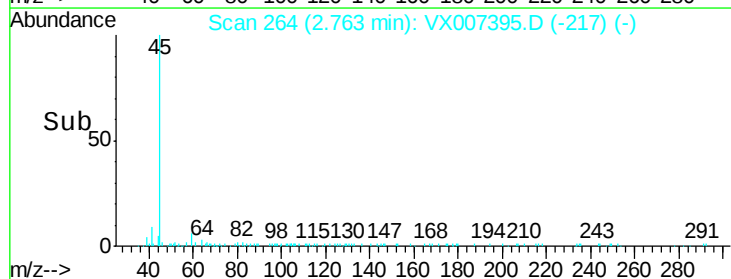
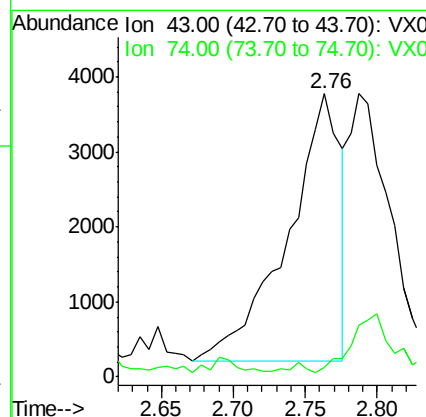
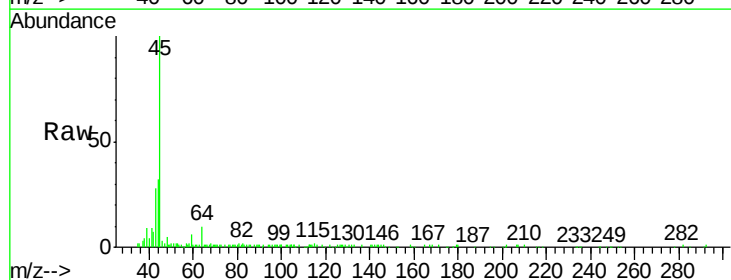
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-190204

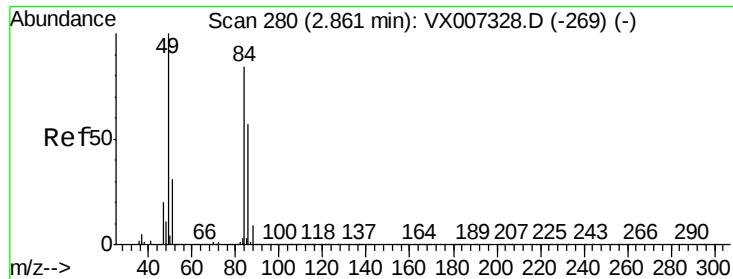
Tot Ion: 76 Resp: 204
Ion Ratio Lower Upper
76 100
78 107.2 7.1 10.7#



#18
Methyl Acetate
Concen: 1.856 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX007395.D
Acq: 06 Feb 2019 13:18

Tgt Ion: 43 Resp: 9055
Ion Ratio Lower Upper
43 100
74 1.3 19.4 29.2#

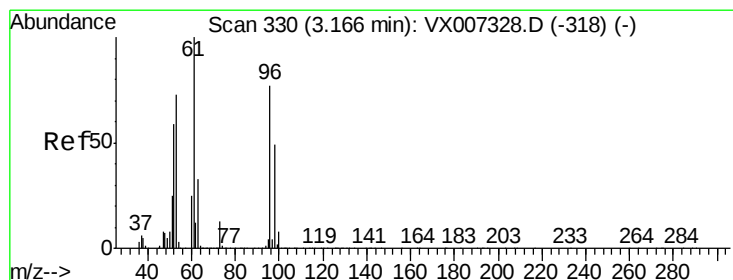
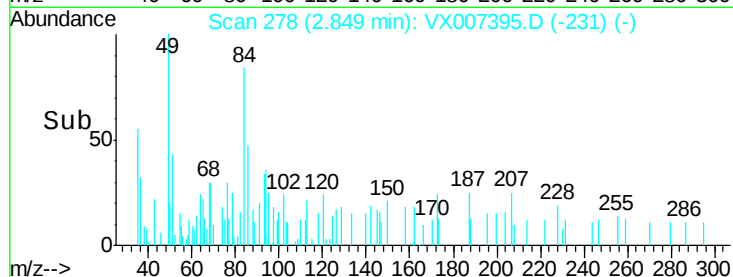
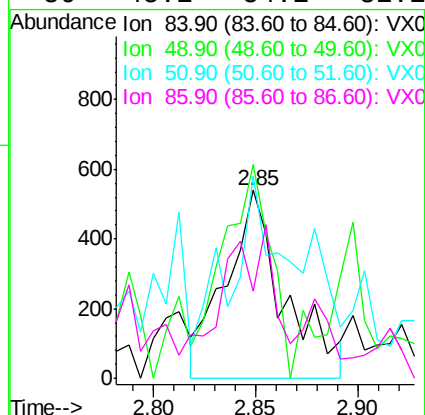
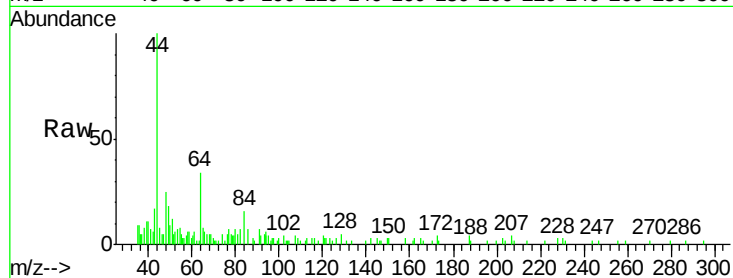




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX007395.D
Acq: 06 Feb 2019 13:18

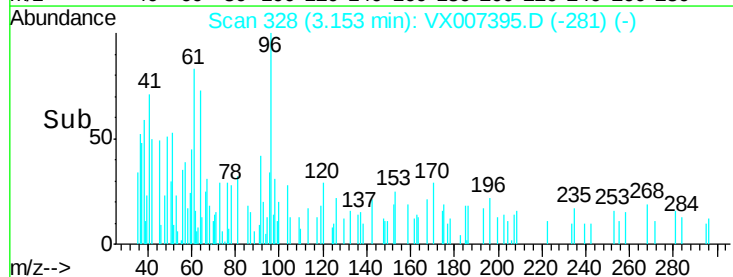
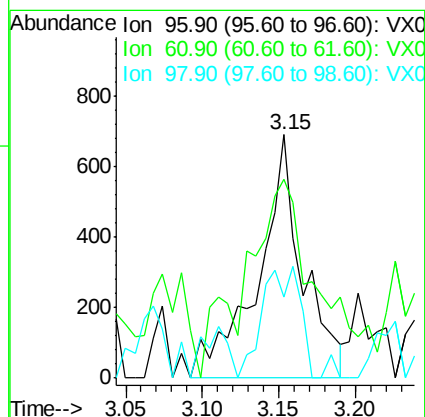
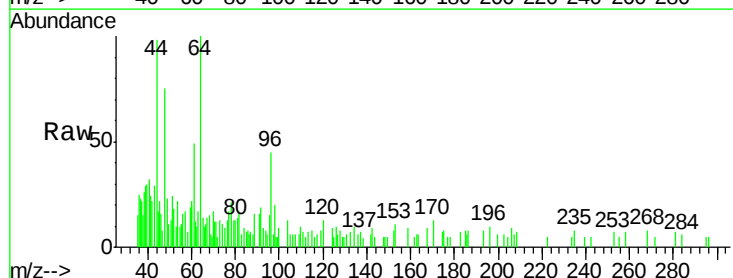
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-190204

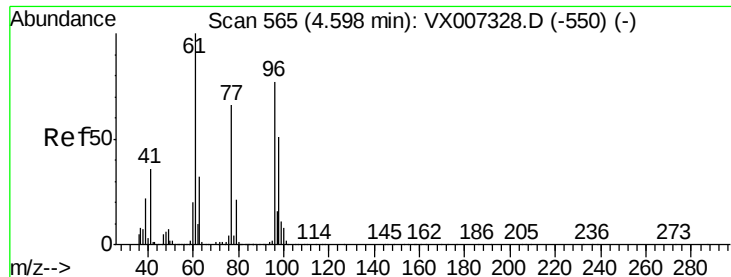
Tot Ion: 84 Resp: 1074
Ion Ratio Lower Upper
84 100
49 120.1 94.8 142.2
51 112.0 29.8 44.8#
86 45.1 54.1 81.1#



#21
trans-1,2-Dichloroethene
Concen: 0.248 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.01 min
Lab File: VX007395.D
Acq: 06 Feb 2019 13:18

Tgt Ion: 96 Resp: 1409
Ion Ratio Lower Upper
96 100
61 62.2 104.6 156.8#
98 33.0 51.0 76.4#



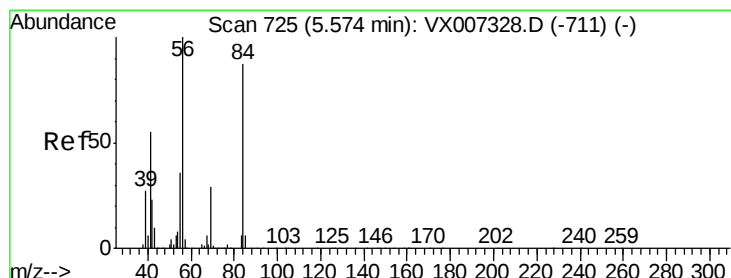
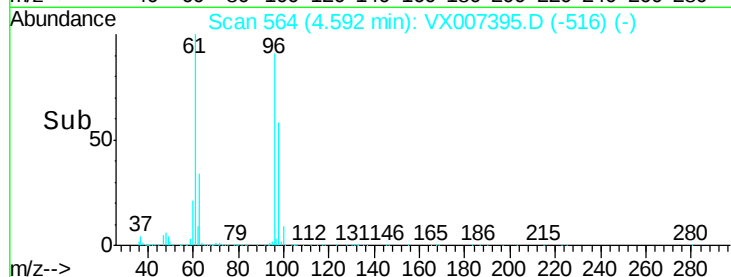
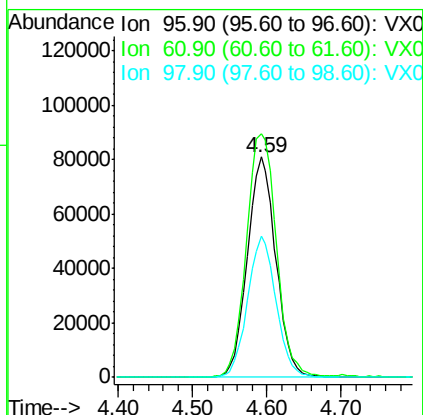
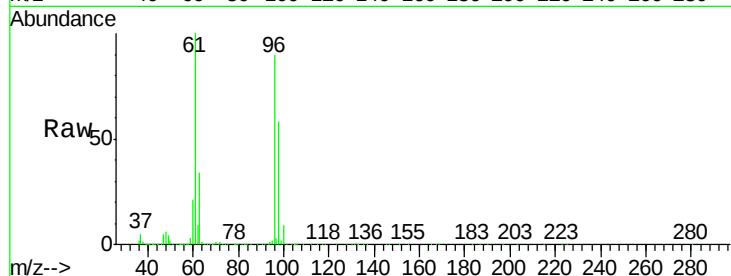


#27

cis-1,2-Dichloroethene
 Concen: 35.144 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX007395.D
 Acq: 06 Feb 2019 13:18

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-190204

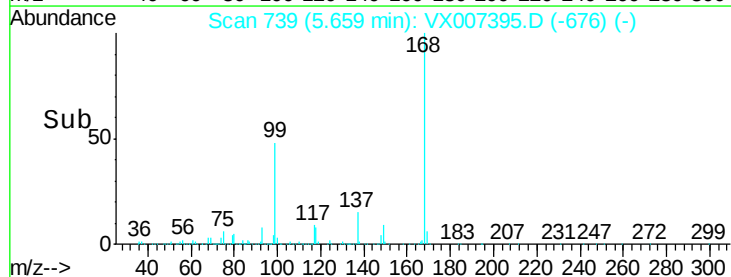
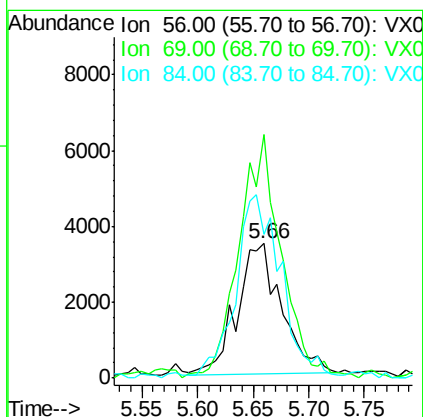
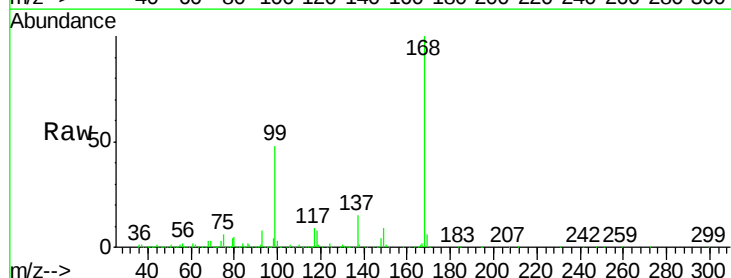
Tot Ion	Ratio	Lower	Upper
96	100		
61	115.8	0.0	265.6
98	63.7	0.0	131.6

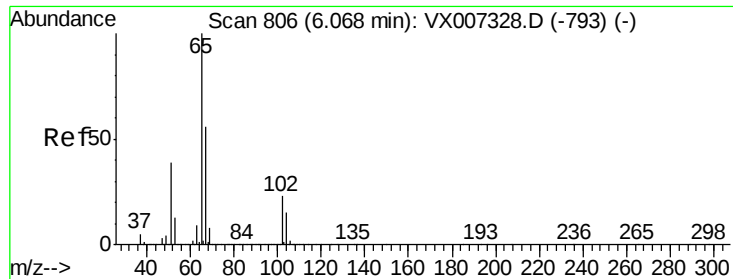


#31

Cyclohexane
 Concen: 1.167 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.09 min
 Lab File: VX007395.D
 Acq: 06 Feb 2019 13:18

Tgt Ion	Ratio	Lower	Upper
56	100		
69	184.5	23.0	34.6#
84	108.9	69.8	104.6#

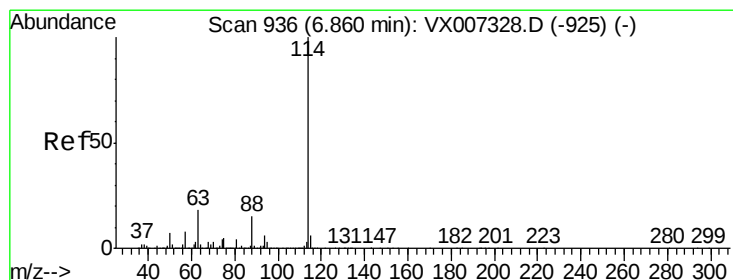
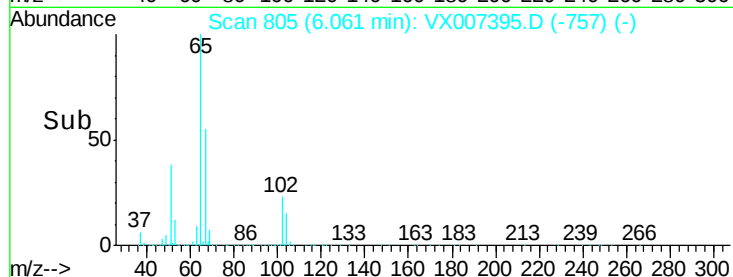
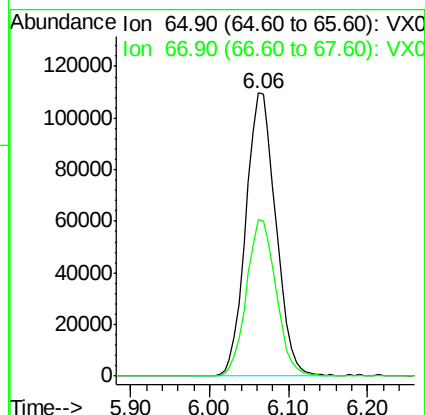
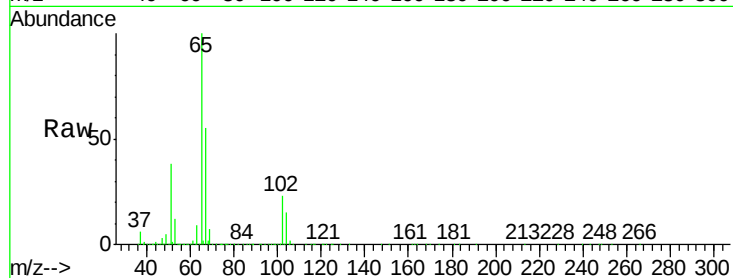




#33
 1,2-Dichloroethane-d4
 Concen: 49.063 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007395.D
 Acq: 06 Feb 2019 13:18

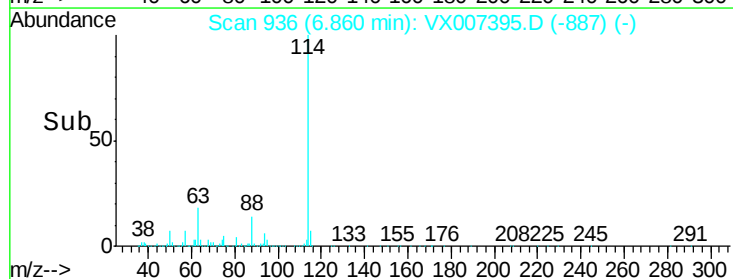
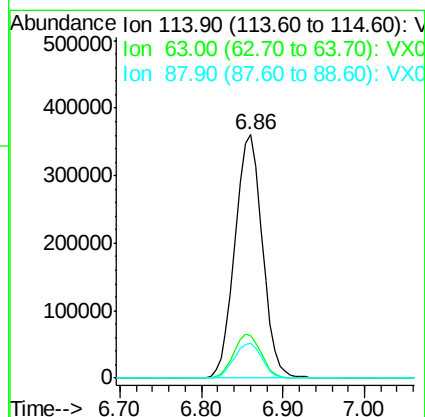
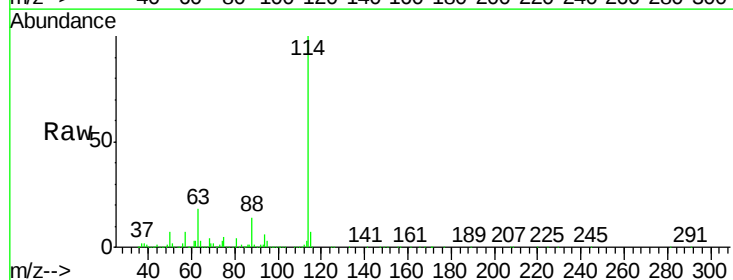
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-190204

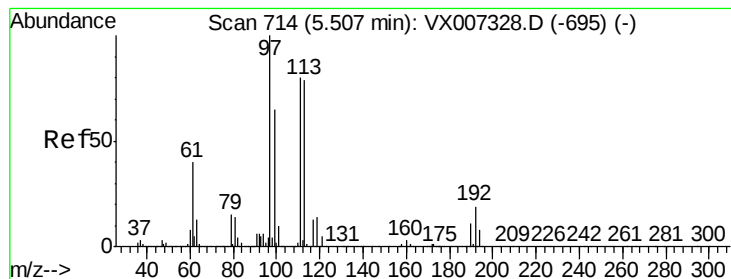
Tot Ion: 65 Resp: 291242
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007395.D
 Acq: 06 Feb 2019 13:18

Tgt Ion: 114 Resp: 837715
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.6
 88 14.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 46.250 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007395.D

Acq: 06 Feb 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-190204

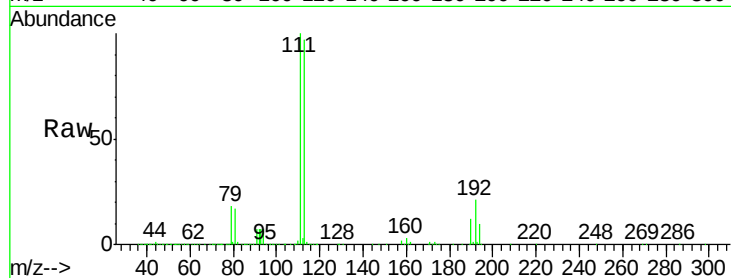
Tot Ion:113 Resp: 252096

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

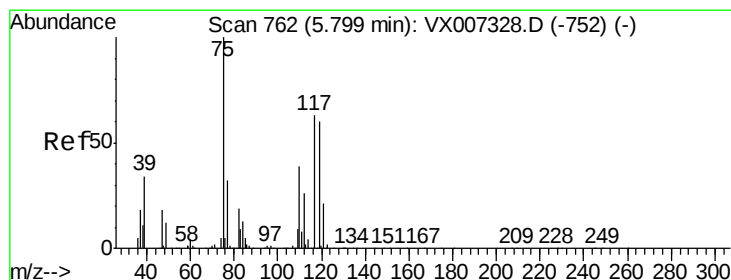
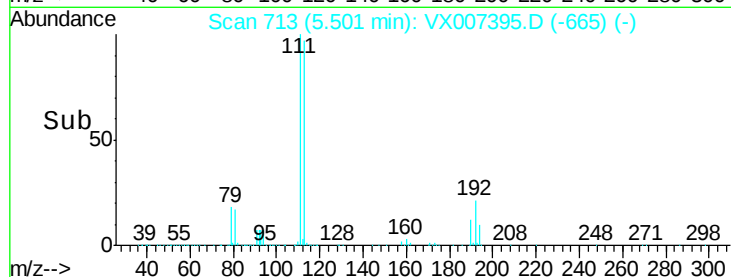
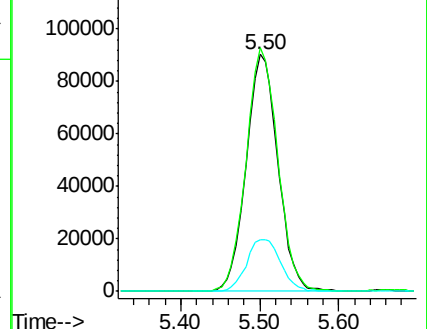
192 23.7 18.5 27.7



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: 4.675 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX007395.D

Acq: 06 Feb 2019 13:18

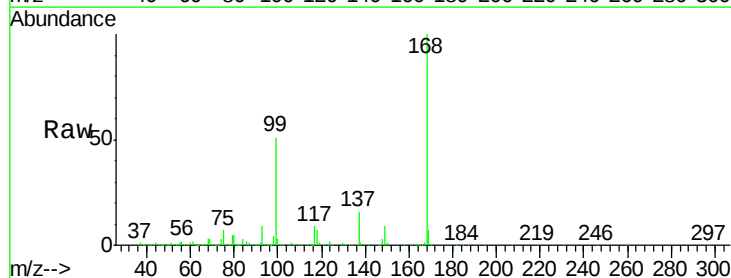
Tgt Ion: 75 Resp: 35141

Ion Ratio Lower Upper

75 100

110 10.3 20.0 59.9#

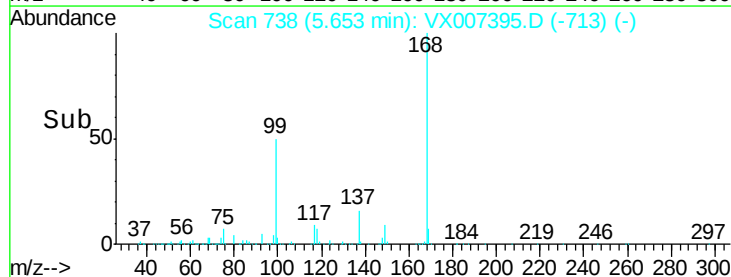
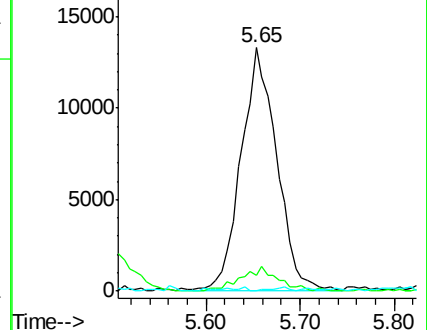
77 0.7 24.7 37.1#

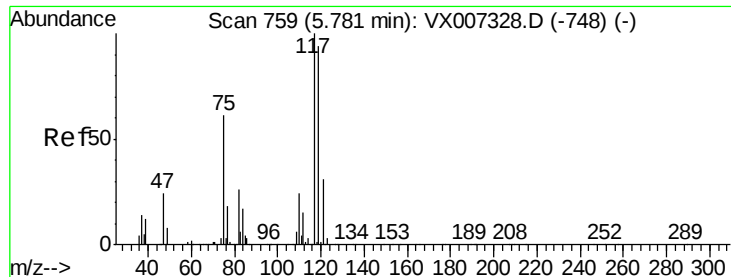


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

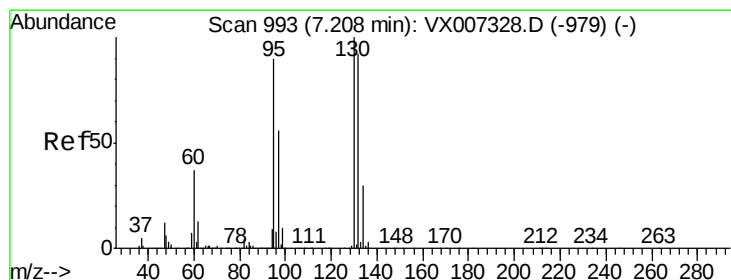
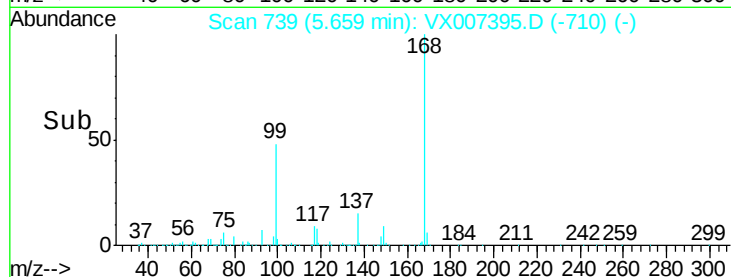
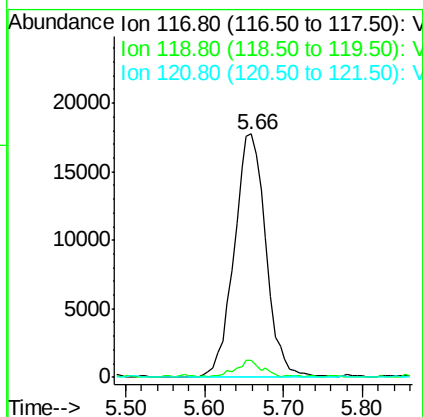
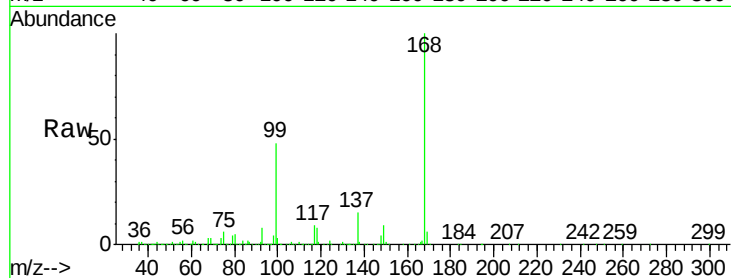




#38
Carbon Tetrachloride
Concen: 6.815 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX007395.D
Acq: 06 Feb 2019 13:18

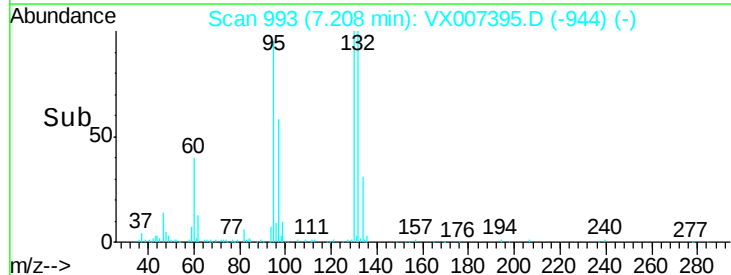
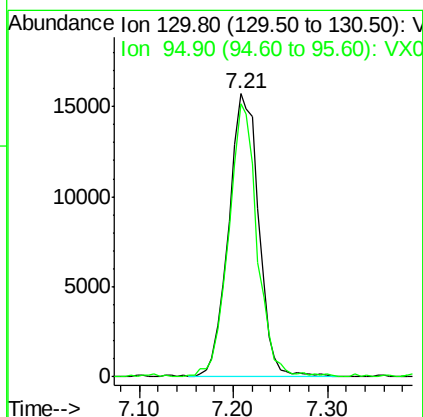
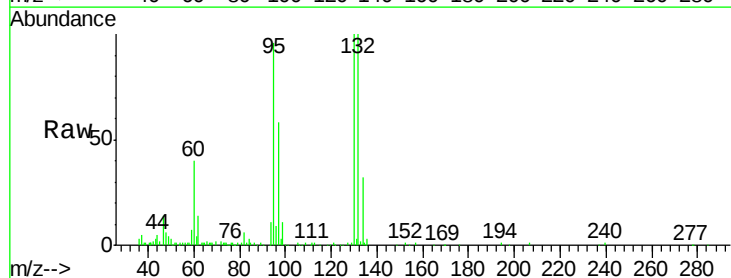
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-190204

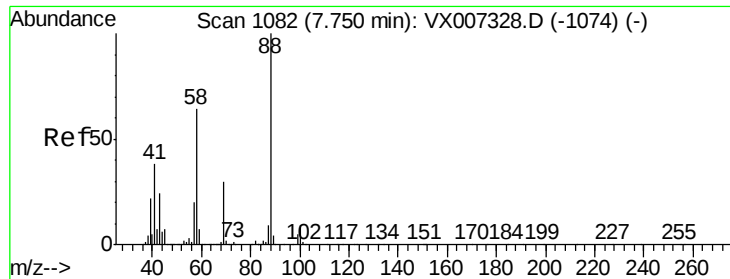
Tot Ion:117 Resp: 49693
Ion Ratio Lower Upper
117 100
119 6.4 75.3 112.9#
121 0.4 25.0 37.4#



#44
Trichloroethene
Concen: 5.256 ug/l
RT: 7.21 min Scan# 993
Delta R.T. 0.00 min
Lab File: VX007395.D
Acq: 06 Feb 2019 13:18

Tgt Ion:130 Resp: 35051
Ion Ratio Lower Upper
130 100
95 96.5 0.0 180.0





#49

1,4-Dioxane

Concen: 7.437 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007395.D

Acq: 06 Feb 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-190204

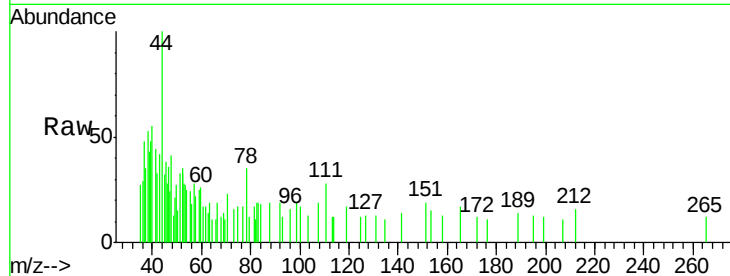
Tot Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 206.7 24.2 36.4#

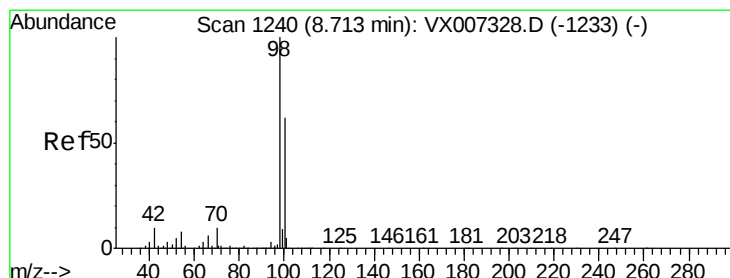
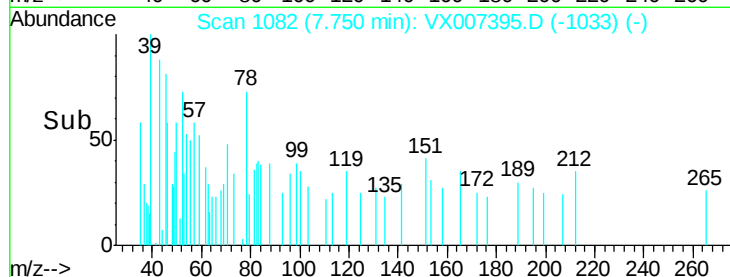
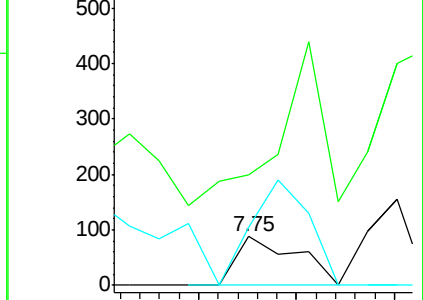
58 206.7 53.0 79.4#



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: 49.257 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007395.D

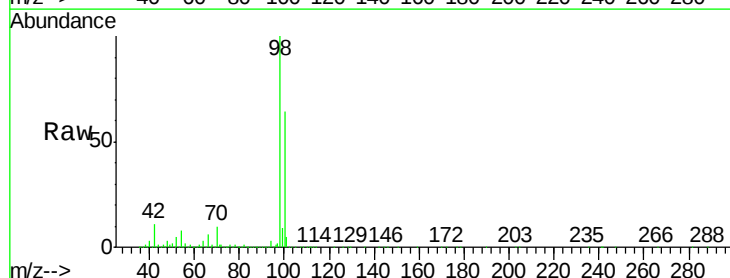
Acq: 06 Feb 2019 13:18

Tgt Ion: 98 Resp: 996128

Ion Ratio Lower Upper

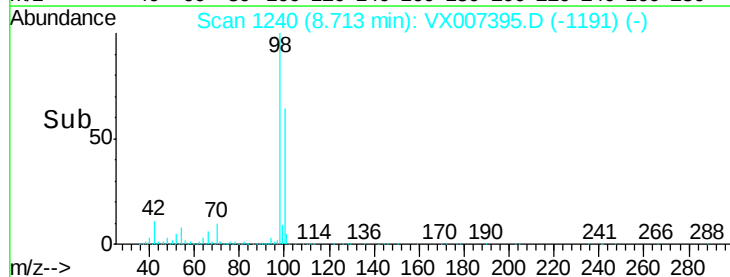
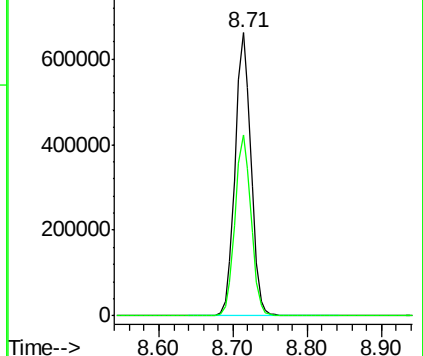
98 100

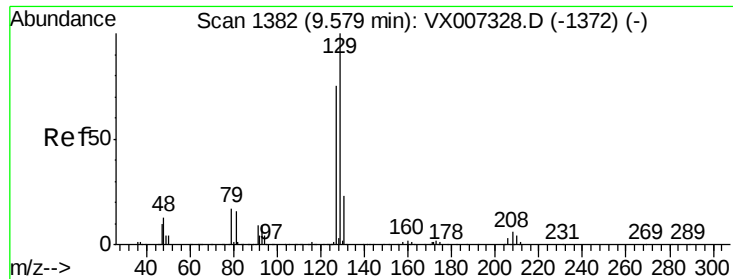
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 6.025 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX007395.D

Acq: 06 Feb 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

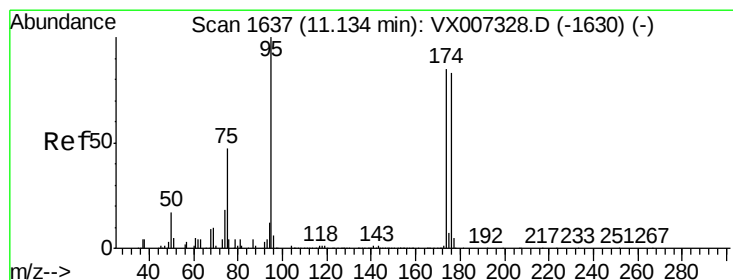
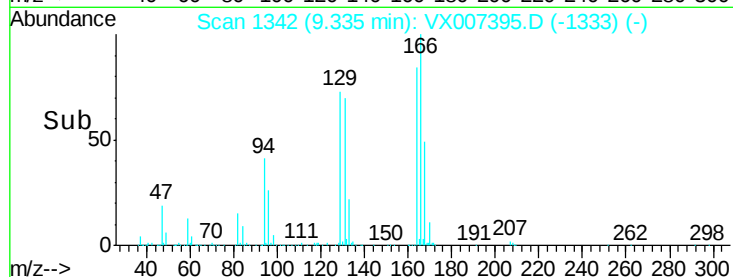
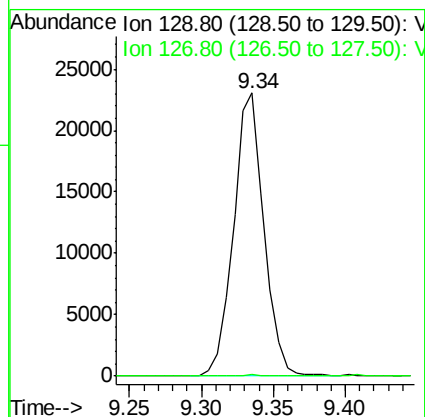
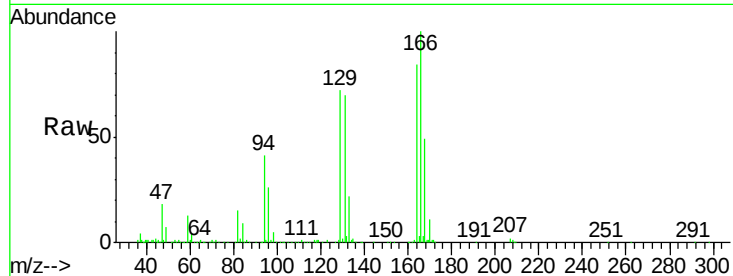
KY038PS027-190204

Tot Ion:129 Resp: 33928

Ion Ratio Lower Upper

129 100

127 0.3 37.8 113.4#



#62

4-Bromofluorobenzene

Concen: 46.999 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007395.D

Acq: 06 Feb 2019 13:18

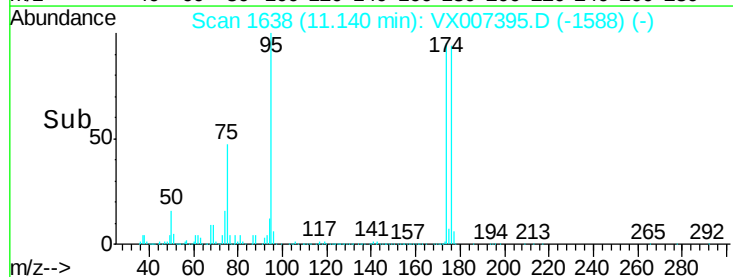
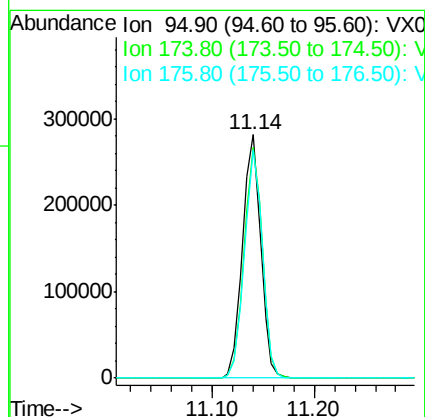
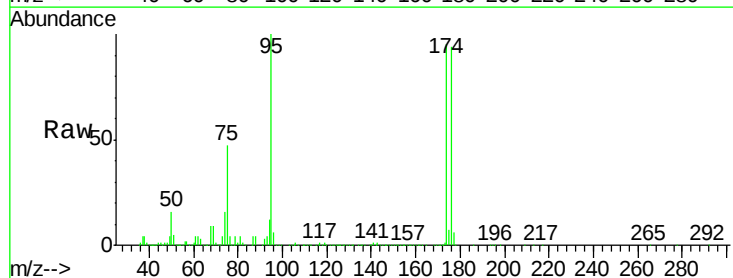
Tgt Ion: 95 Resp: 347019

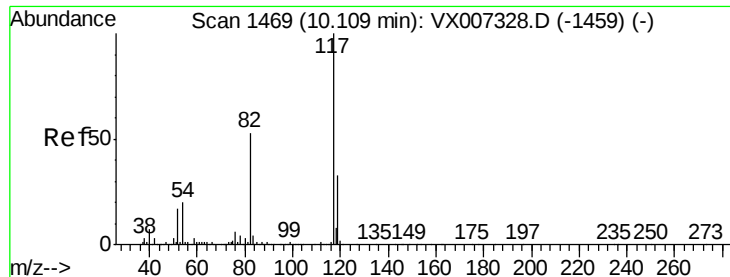
Ion Ratio Lower Upper

95 100

174 95.1 0.0 189.2

176 92.5 0.0 186.2

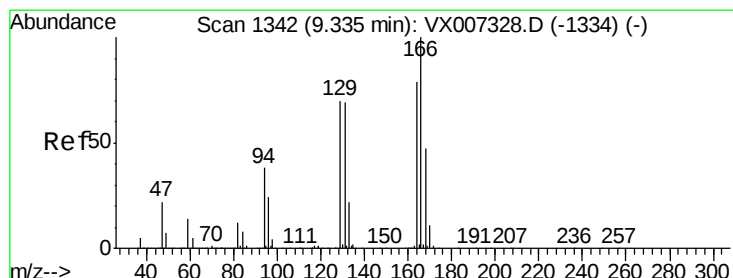
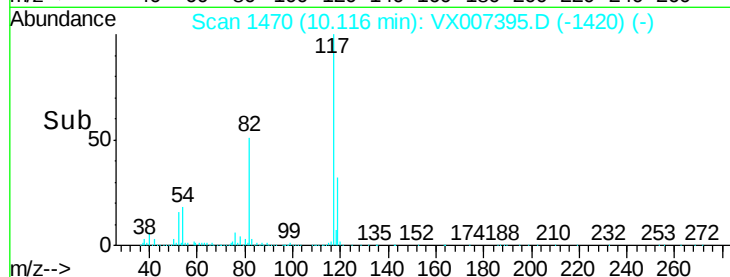
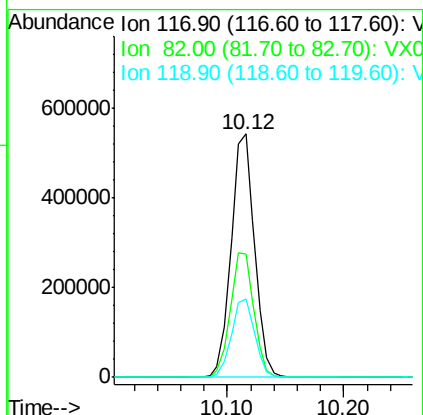
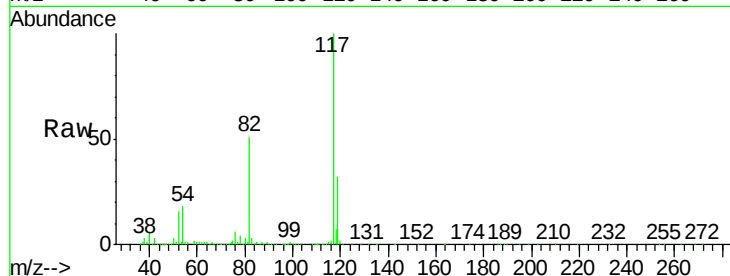




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007395.D
Acq: 06 Feb 2019 13:18

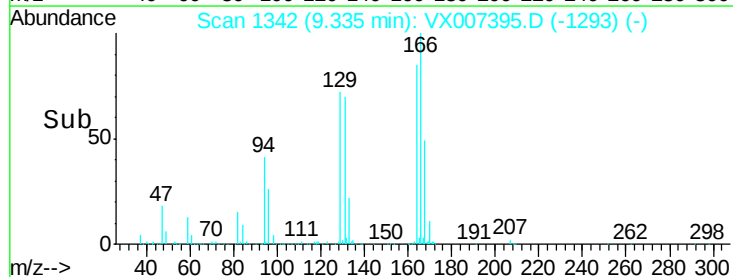
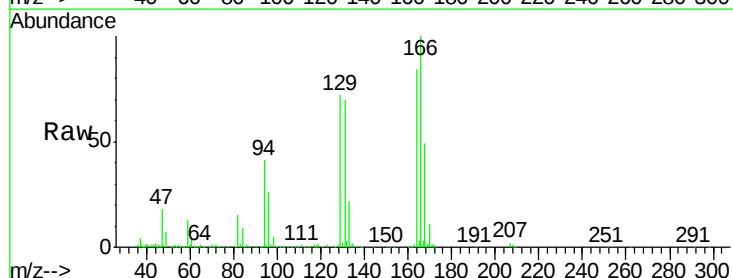
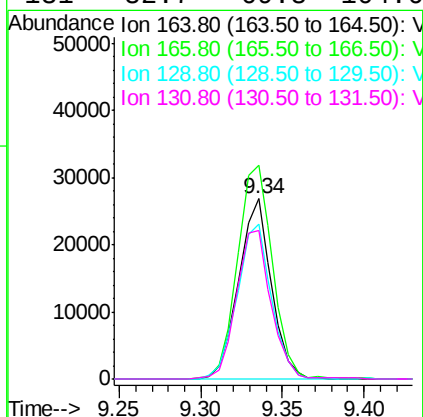
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-190204

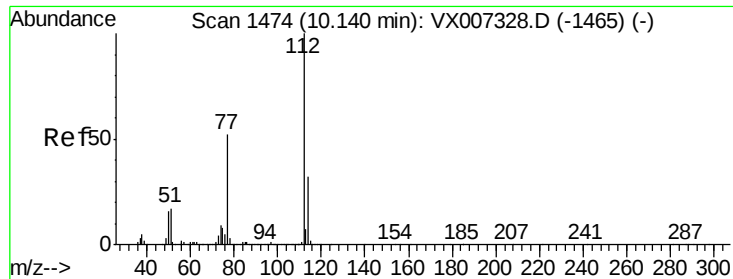
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	42.1	63.1
119	32.3	26.5	39.7



#64
Tetrachloroethene
Concen: 5.238 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007395.D
Acq: 06 Feb 2019 13:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.6	101.0	151.4
129	85.9	70.5	105.7
131	82.7	69.8	104.6

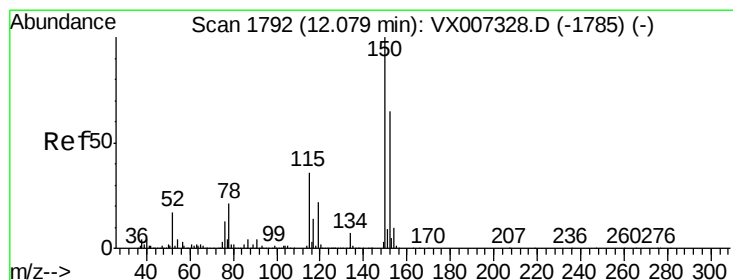
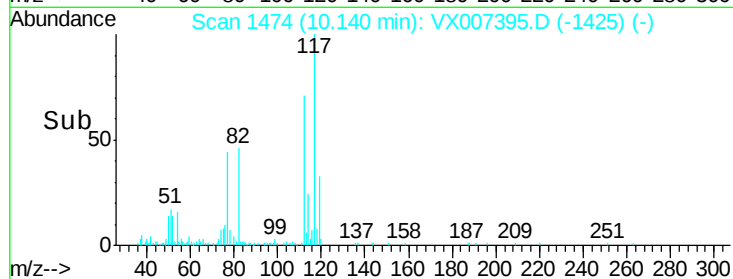
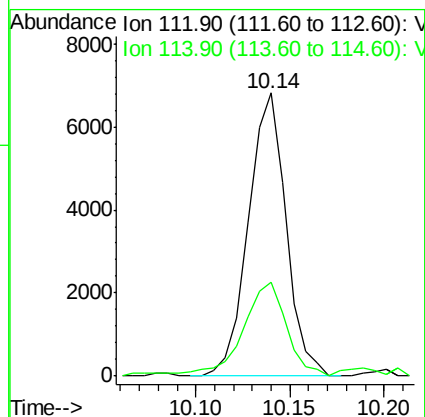
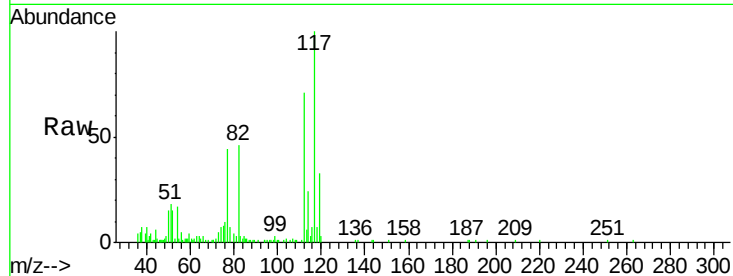




#65
Chlorobenzene
Concen: 0.568 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007395.D
Acq: 06 Feb 2019 13:18

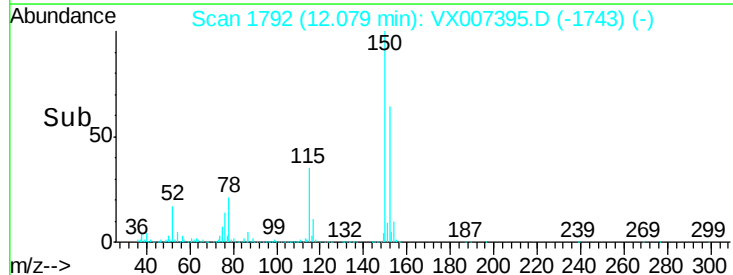
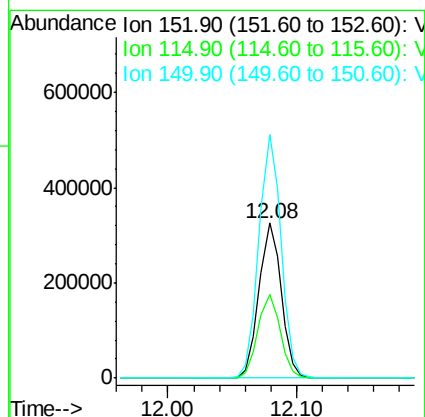
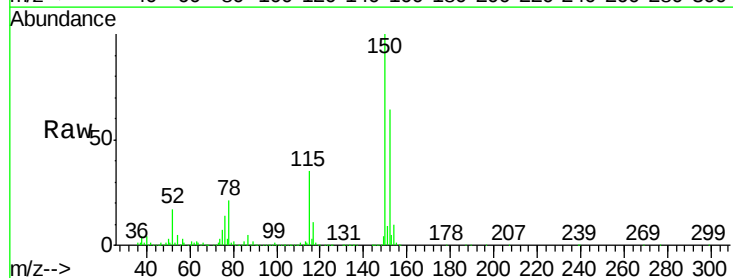
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-190204

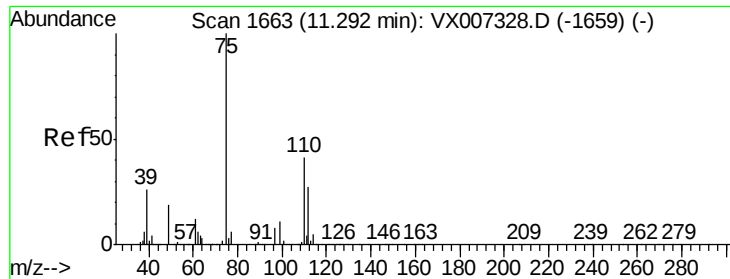
Tot Ion:112 Resp: 9430
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007395.D
Acq: 06 Feb 2019 13:18

Tgt Ion:152 Resp: 387109
Ion Ratio Lower Upper
152 100
115 54.2 38.0 114.0
150 156.6 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 22.113 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.15 min

Lab File: VX007395.D

Acq: 06 Feb 2019 13:18

Instrument :

MSVOA_X

ClientSampleId :

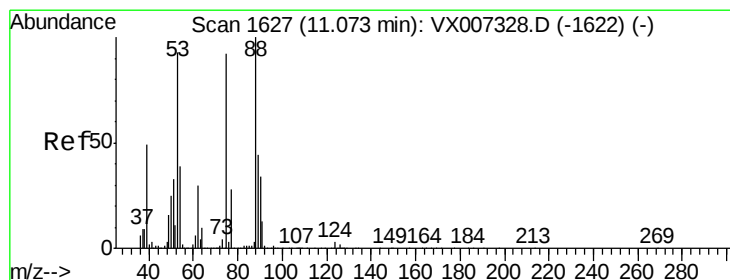
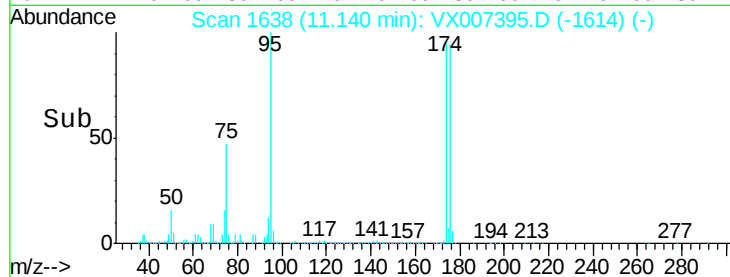
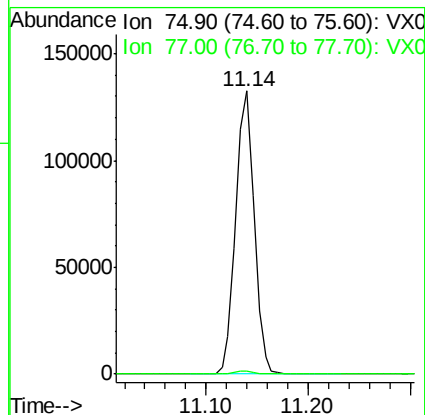
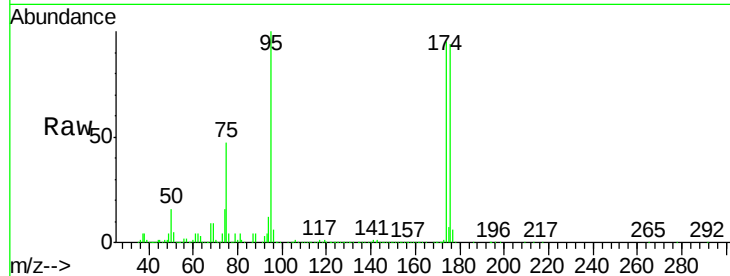
KY038PS027-190204

Tot Ion: 75 Resp: 166502

Ion Ratio Lower Upper

75 100

77 1.4 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.796 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX007395.D

Acq: 06 Feb 2019 13:18

Tgt Ion: 75 Resp: 166502

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.0 41.4 62.0#

