

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
 Data File : VX007399.D
 Acq On : 06 Feb 2019 15:04
 Operator : JC/SP
 Sample : K1392-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Feb 07 00:02:24 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	570223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	864510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	813562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	392528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	304014	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
35) Dibromofluoromethane	5.50	113	273394	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	8.71	98	1044827	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.13	95	369672	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

Target Compounds

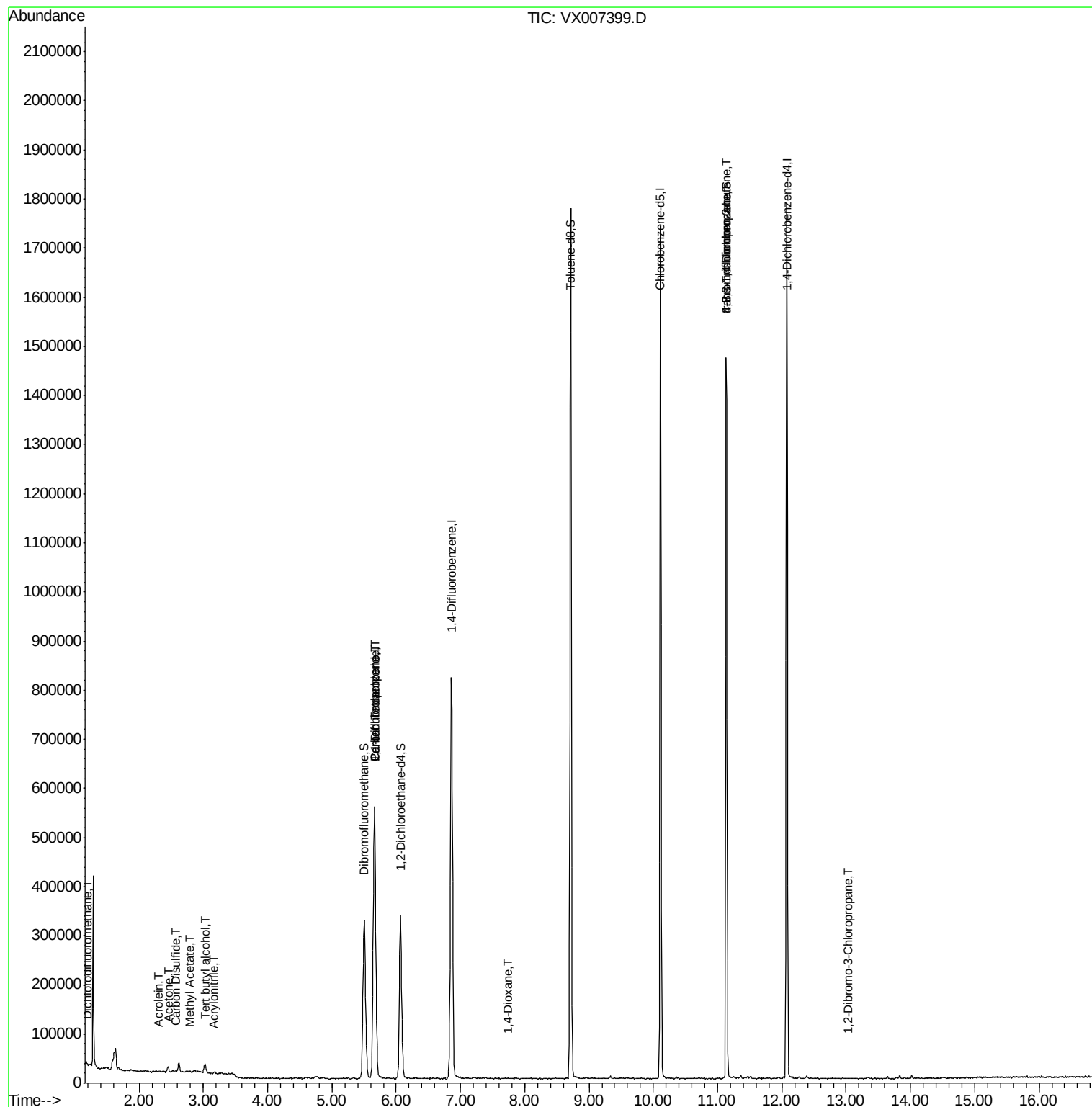
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	446	0.241	ug/l #	40
5) Bromomethane	1.64	94	2716	Below Cal		96
11) Tert butyl alcohol	3.03	59	12417	9.913	ug/l #	81
13) Acrolein	2.29	56	171	0.291	ug/l	89
15) Acrylonitrile	3.15	53	960	0.310	ug/l #	42
16) Acetone	2.45	43	9819	3.542	ug/l #	86
17) Carbon Disulfide	2.57	76	3727	2.372	ug/l	100
18) Methyl Acetate	2.79	43	2009	0.868	ug/l #	86
36) 1,1-Dichloropropene	5.66	75	35549	4.583	ug/l #	49
38) Carbon Tetrachloride	5.67	117	51183	6.802	ug/l #	17
49) 1,4-Dioxane	7.74	88	94	7.557	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	176691	23.142	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	176691	69.708	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	13.02	75	345	0.204	ug/l #	6

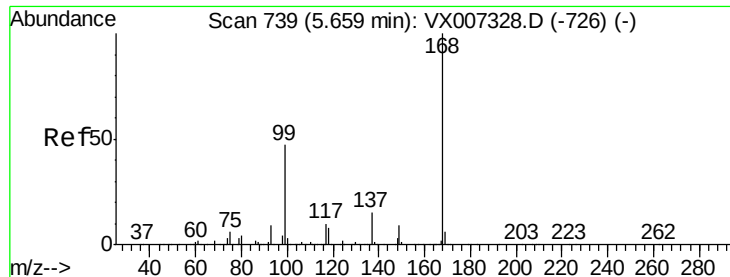
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

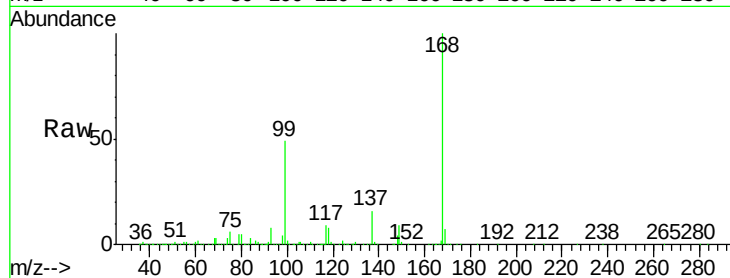
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Tot Ion:168 Resp: 570223

Ion Ratio Lower Upper

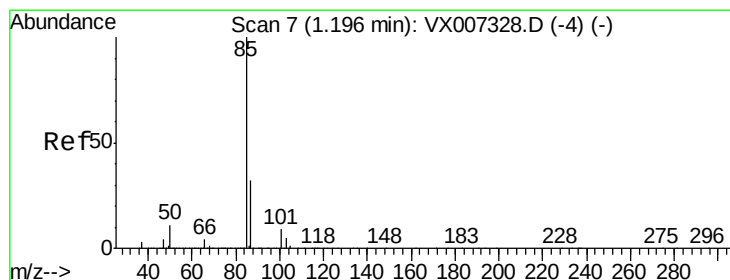
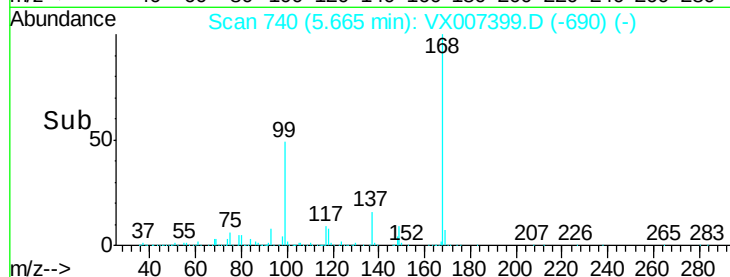
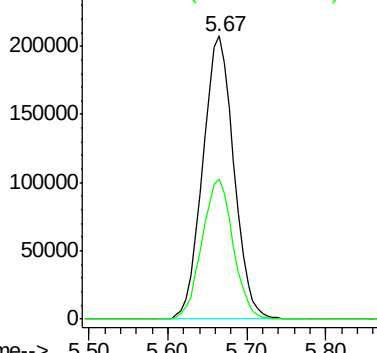
168 100

99 49.3 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.241 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007399.D

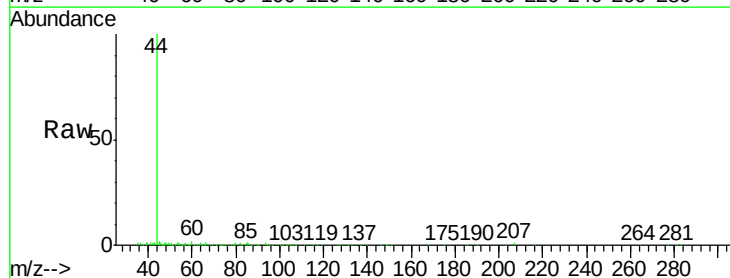
Acq: 06 Feb 2019 15:04

Tgt Ion: 85 Resp: 446

Ion Ratio Lower Upper

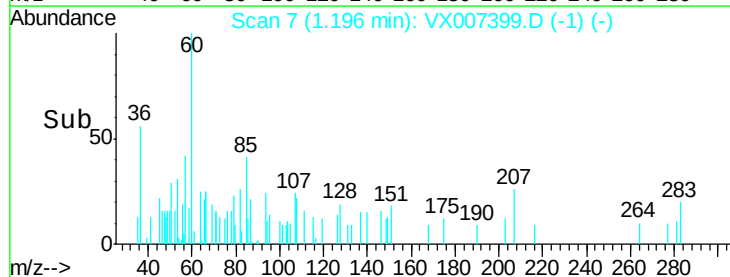
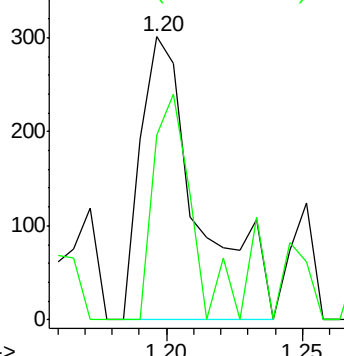
85 100

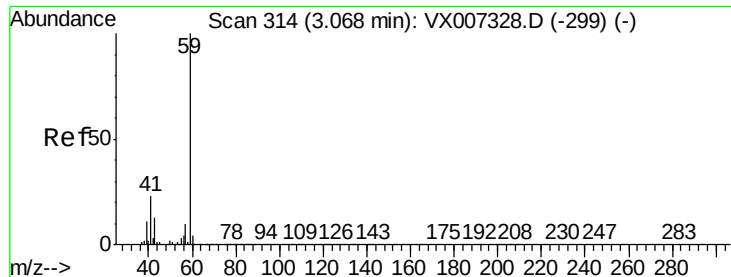
87 65.1 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



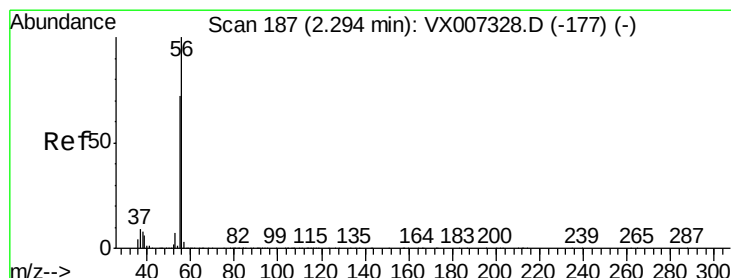
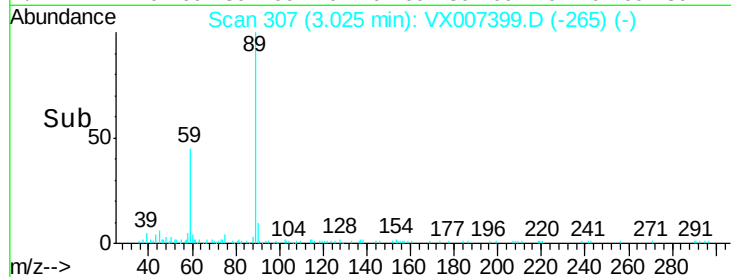
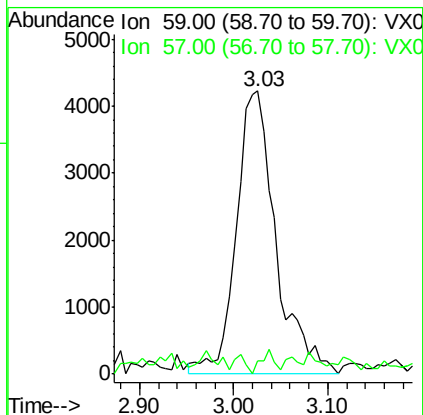
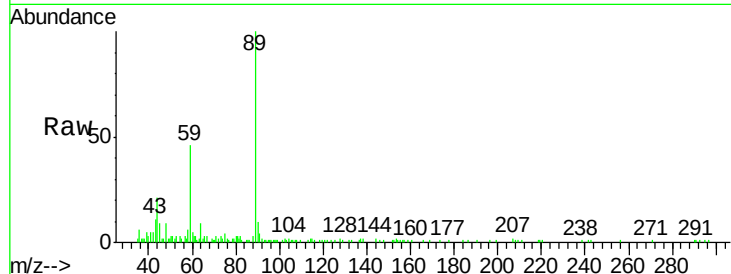


#11

Tert butyl alcohol
 Concen: 9.913 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.04 min
 Lab File: VX007399.D
 Acq: 06 Feb 2019 15:04

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

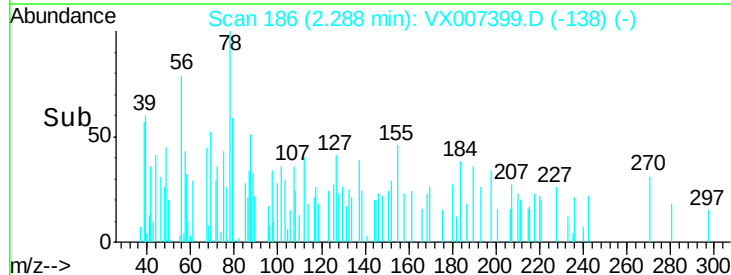
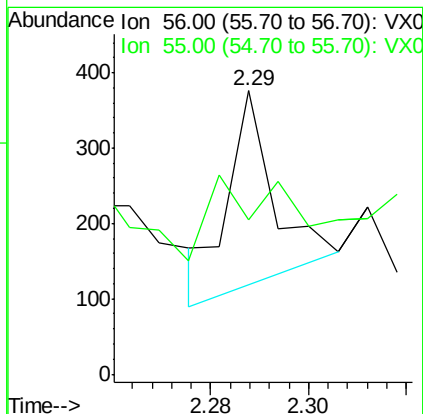
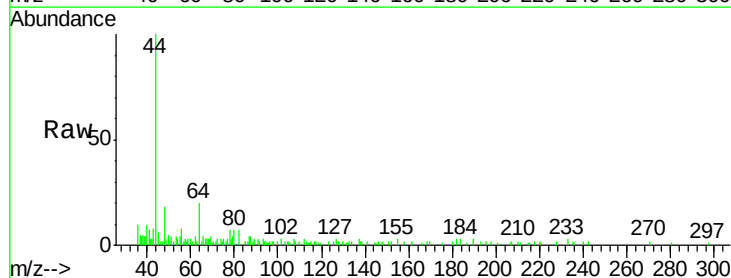
Tot Ion: 59 Resp: 12417
 Ion Ratio Lower Upper
 59 100
 57 3.0 8.1 12.1#

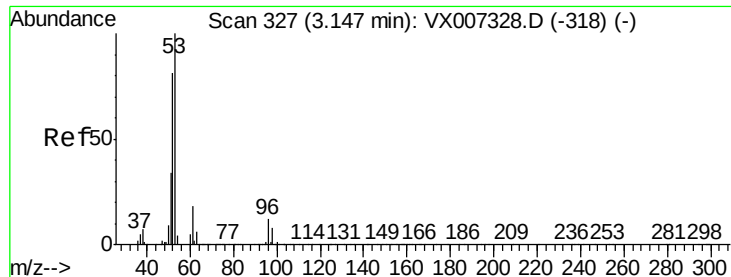


#13

Acrolein
 Concen: 0.291 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX007399.D
 Acq: 06 Feb 2019 15:04

Tgt Ion: 56 Resp: 171
 Ion Ratio Lower Upper
 56 100
 55 80.1 56.9 85.3





#15

Acrylonitrile

Concen: 0.310 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

FIELD-BLANK

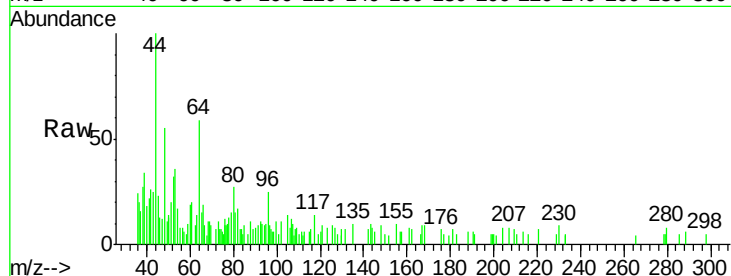
Tot Ion: 53 Resp: 960

Ion Ratio Lower Upper

53 100

52 21.3 66.4 99.6#

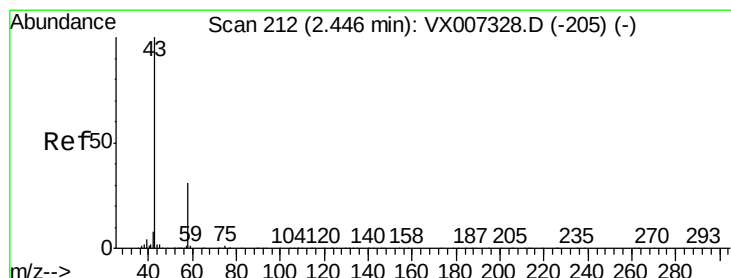
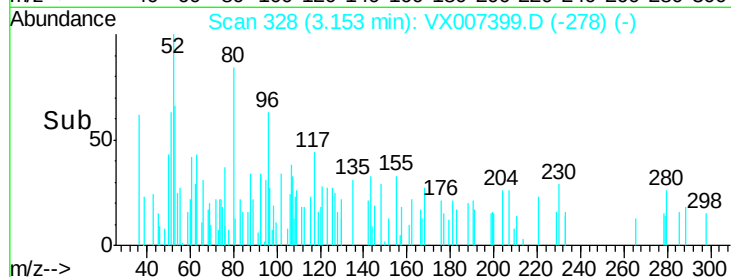
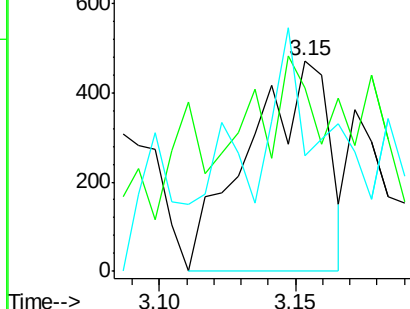
51 55.4 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 3.542 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007399.D

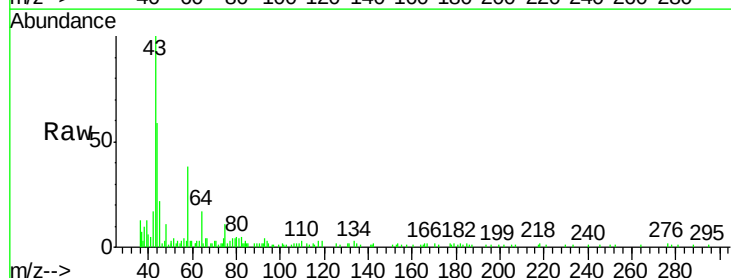
Acq: 06 Feb 2019 15:04

Tgt Ion: 43 Resp: 9819

Ion Ratio Lower Upper

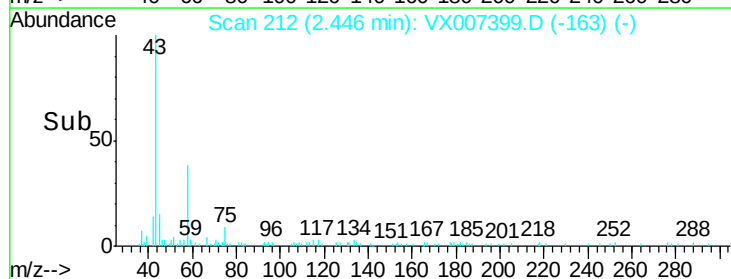
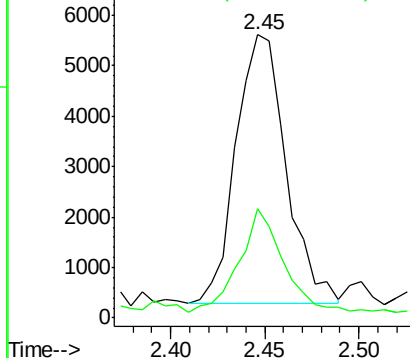
43 100

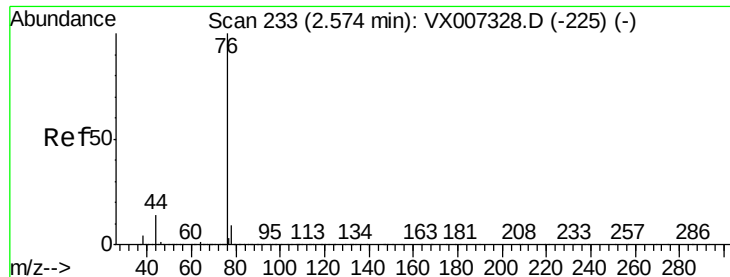
58 38.6 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 2.372 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

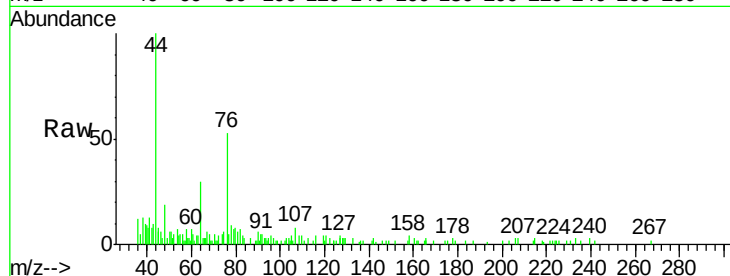
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Tot Ion: 76 Resp: 3727

Ion Ratio Lower Upper

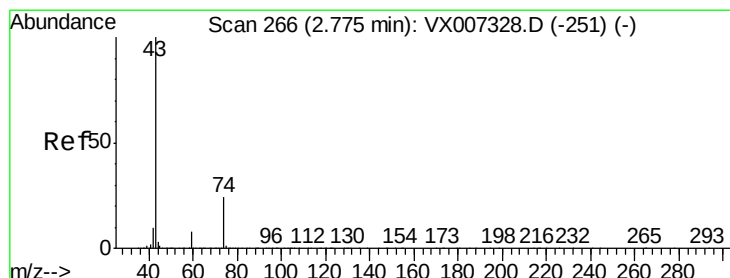
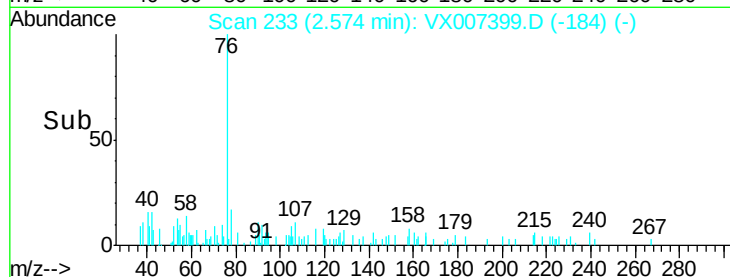
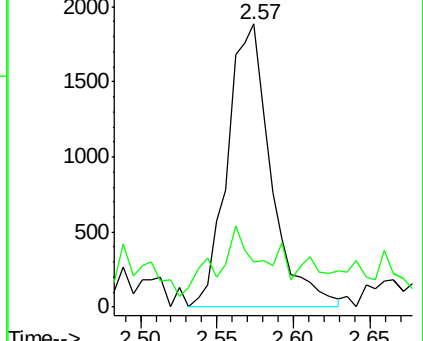
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.868 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX007399.D

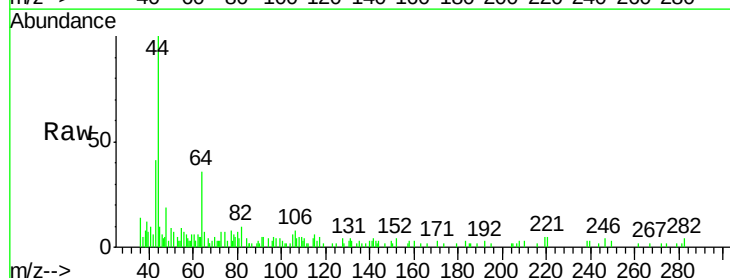
Acq: 06 Feb 2019 15:04

Tgt Ion: 43 Resp: 2009

Ion Ratio Lower Upper

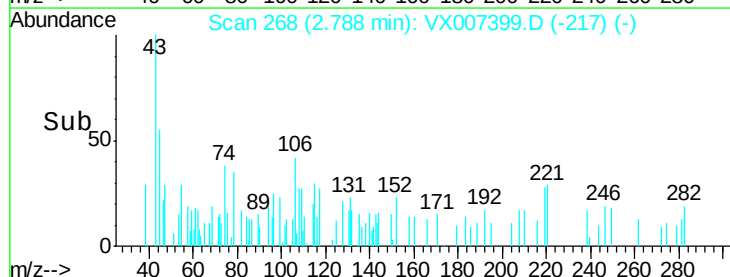
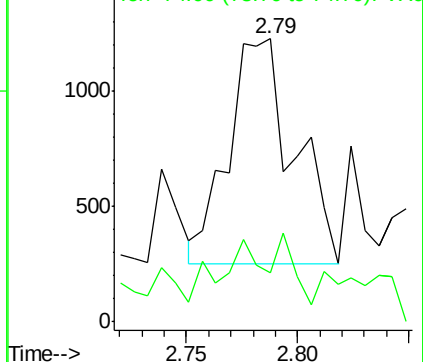
43 100

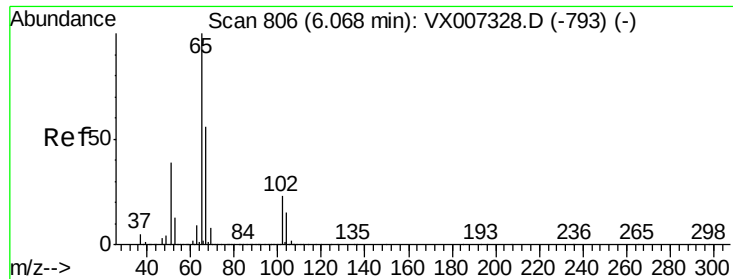
74 17.3 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.230 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

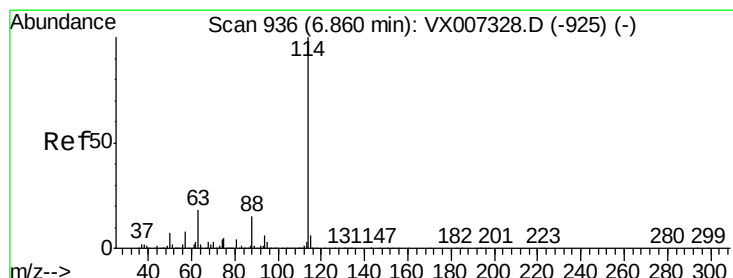
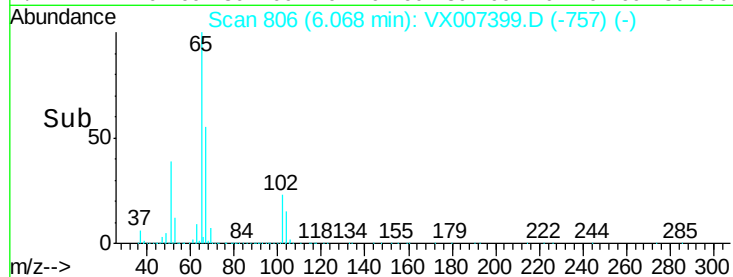
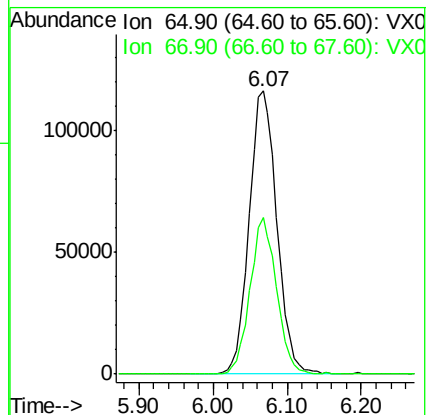
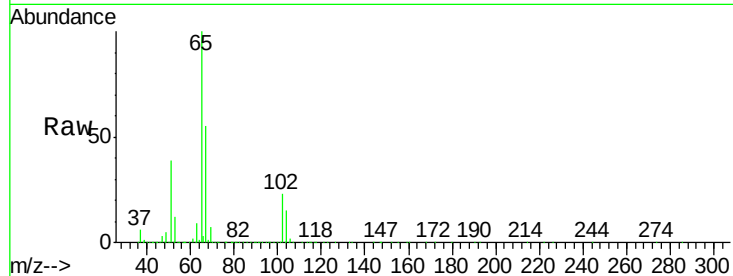
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Tot Ion: 65 Resp: 304014

Ion Ratio Lower Upper

65 100

67 52.8 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: VX007399.D

Acq: 06 Feb 2019 15:04

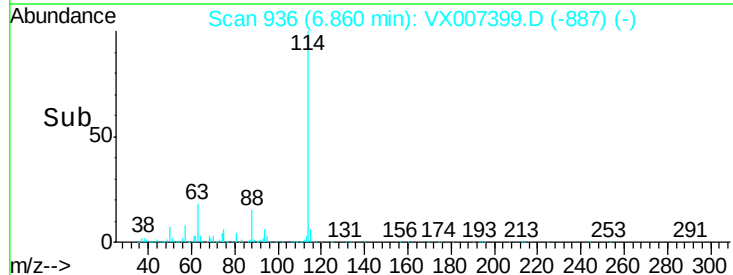
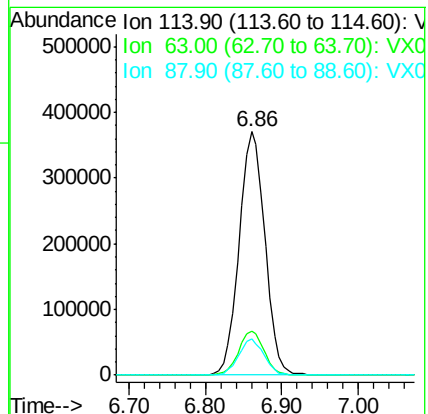
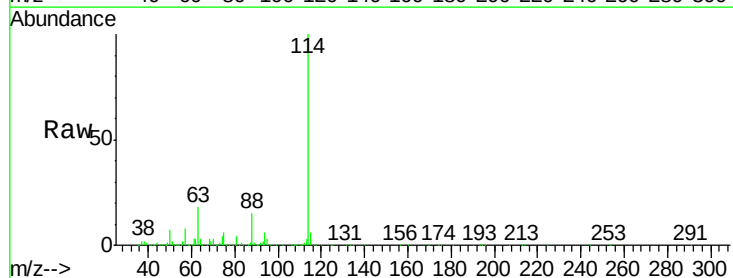
Tgt Ion: 114 Resp: 864510

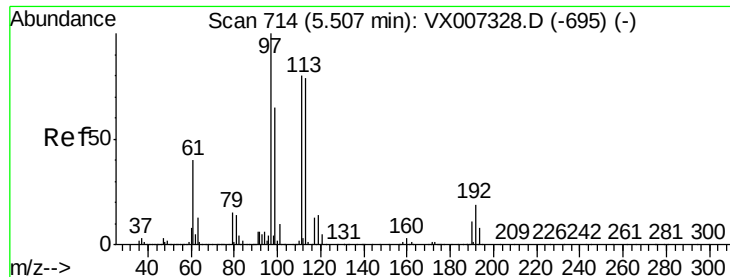
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

88 15.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.603 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

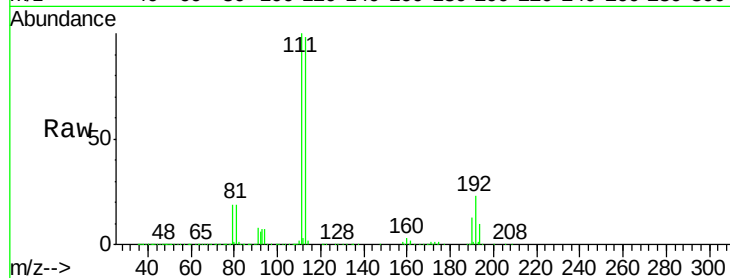
Tot Ion:113 Resp: 273394

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.8

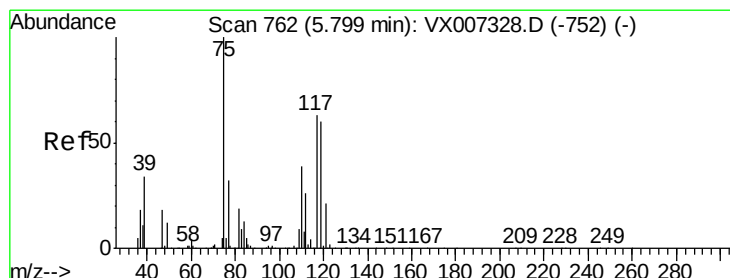
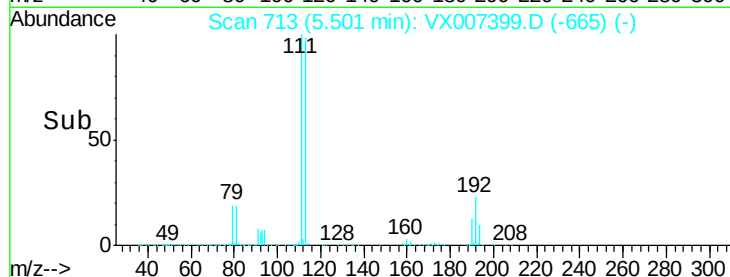
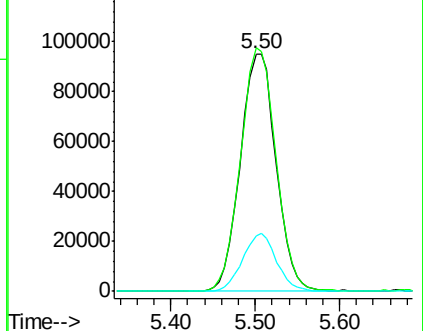
192 23.0 18.5 27.7



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: 4.583 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

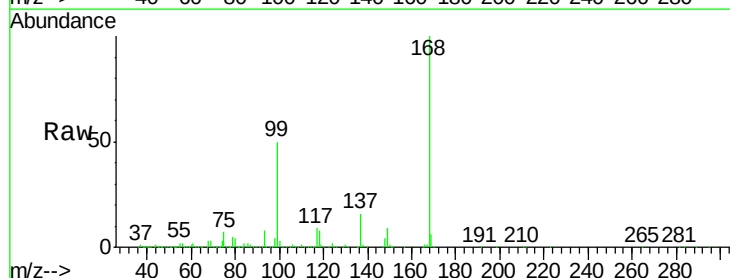
Tgt Ion: 75 Resp: 35549

Ion Ratio Lower Upper

75 100

110 10.9 20.0 59.9#

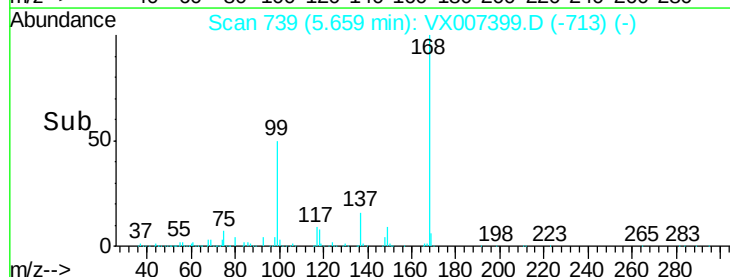
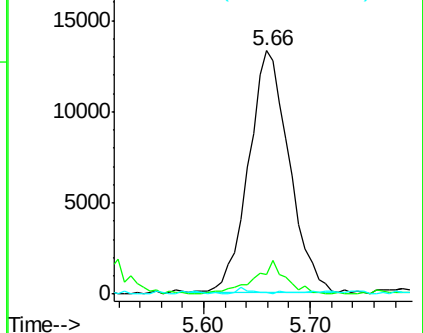
77 0.3 24.7 37.1#

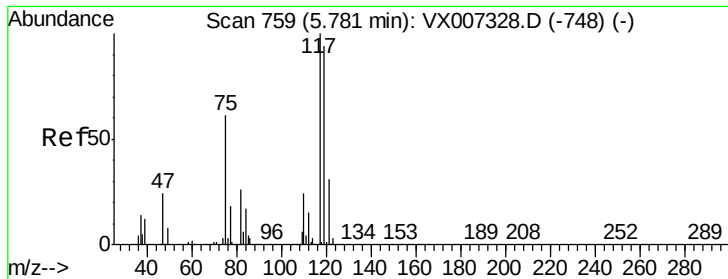


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.802 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

FIELD-BLANK

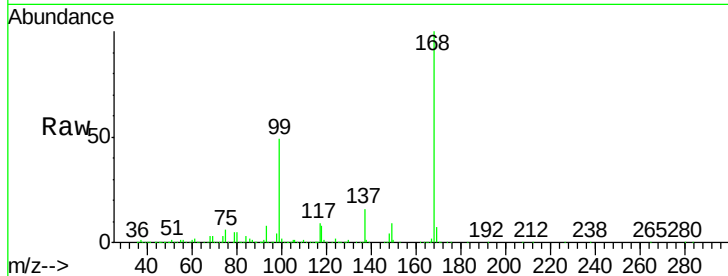
Tot Ion:117 Resp: 51183

Ion Ratio Lower Upper

117 100

119 5.9 75.3 112.9#

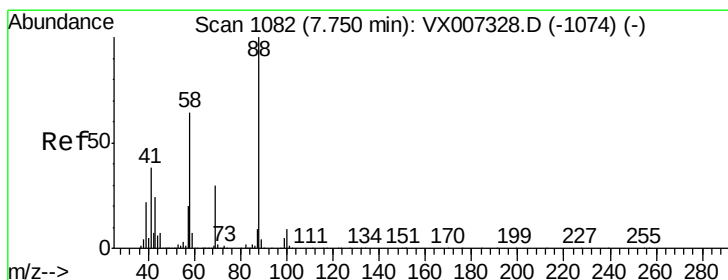
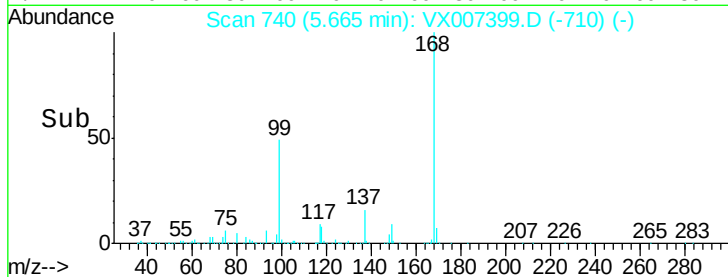
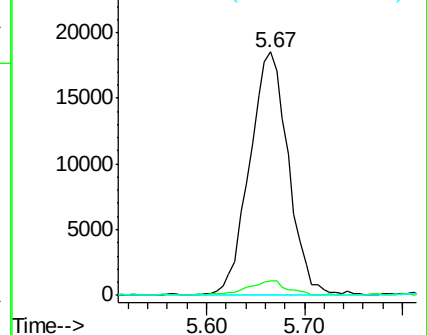
121 0.0 25.0 37.4#



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: 7.557 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

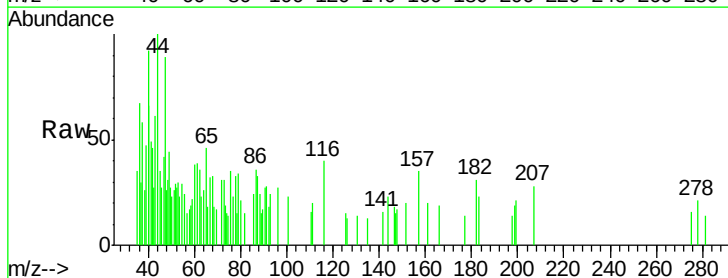
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

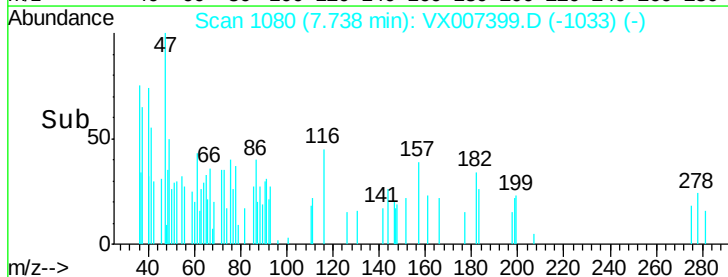
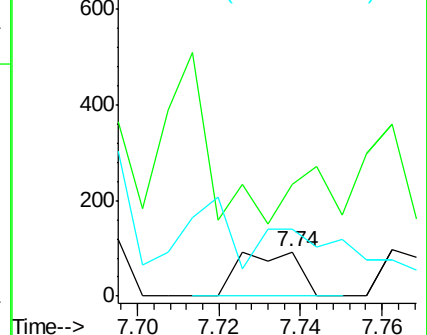
58 0.0 53.0 79.4#

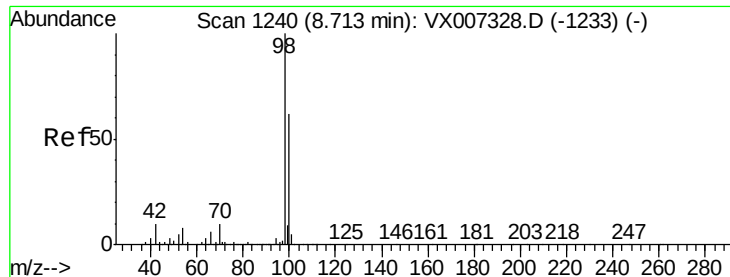


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.064 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

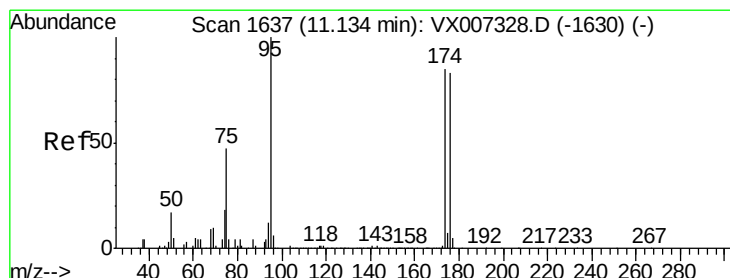
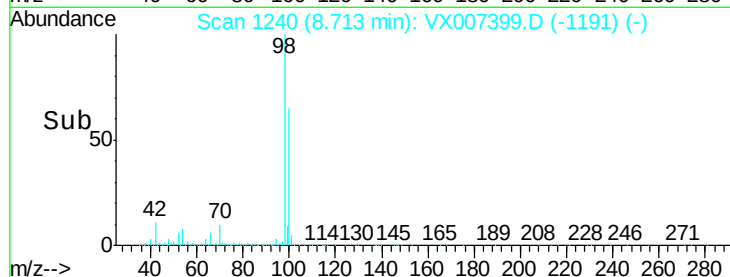
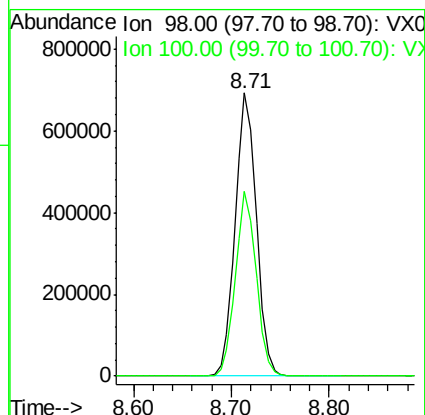
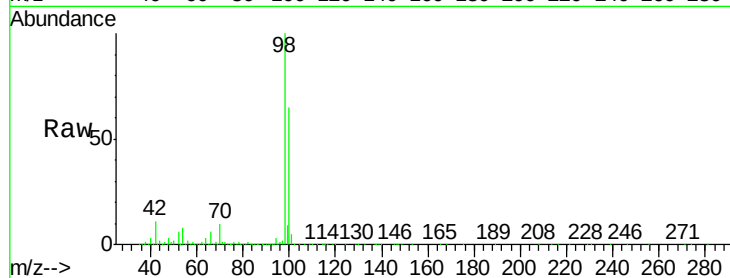
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Tot Ion: 98 Resp: 1044827

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 48.516 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

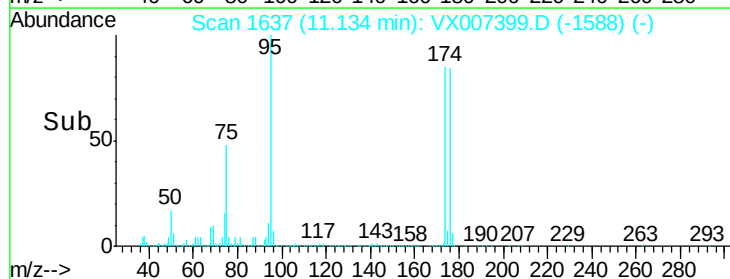
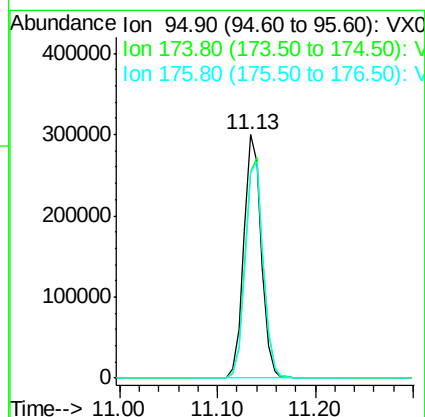
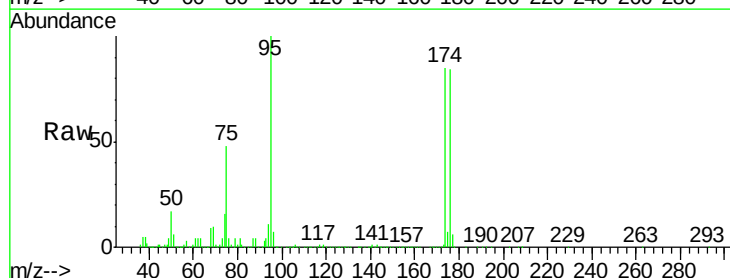
Tgt Ion: 95 Resp: 369672

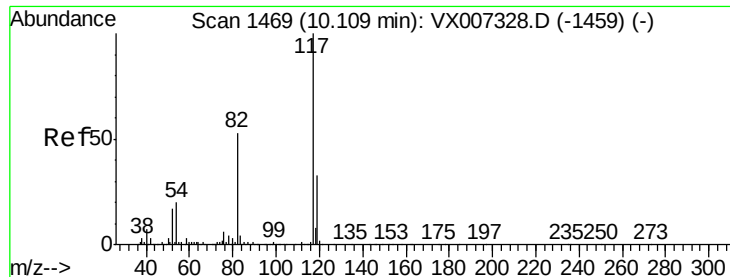
Ion Ratio Lower Upper

95 100

174 93.3 0.0 189.2

176 91.7 0.0 186.2

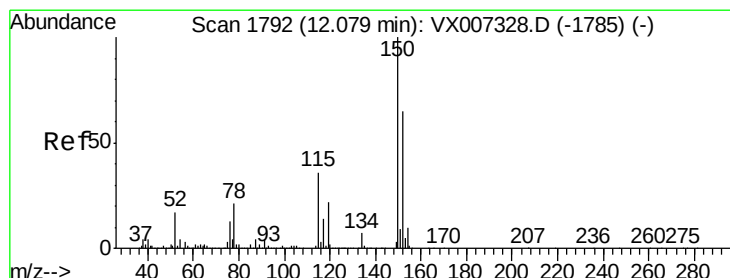
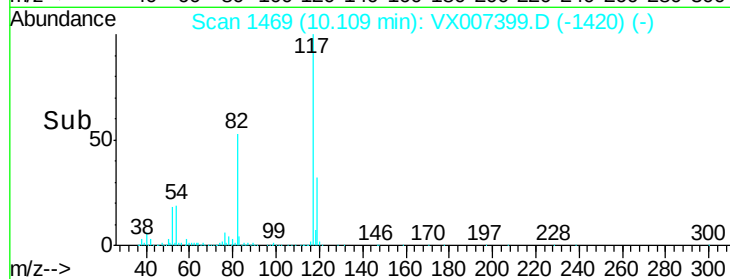
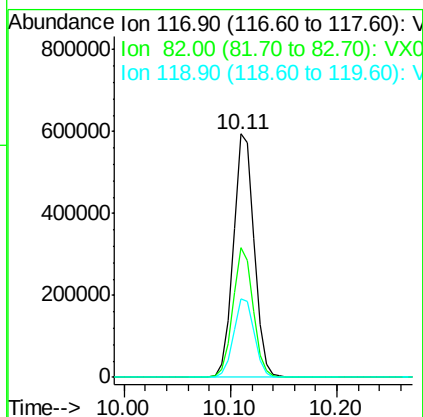
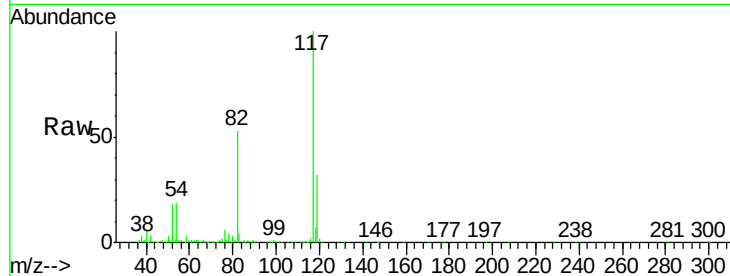




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007399.D
Acq: 06 Feb 2019 15:04

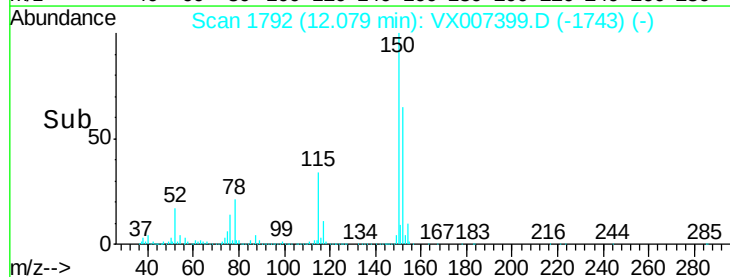
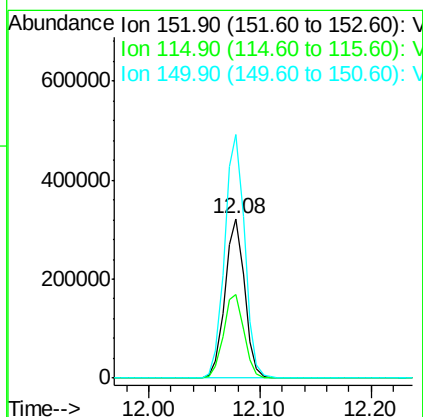
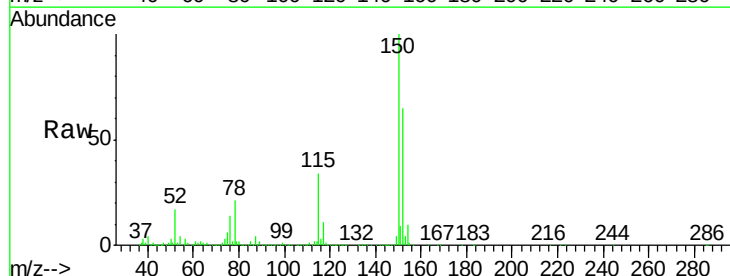
Instrument :
MSVOA_X
ClientSampleId :
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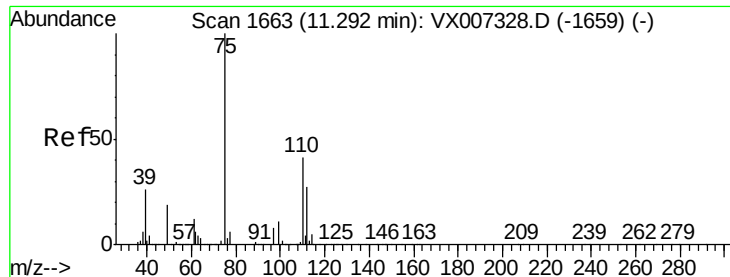
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.1	63.1
119	32.5	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007399.D
Acq: 06 Feb 2019 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	38.0	114.0
150	156.1	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 23.142 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

Instrument :

MSVOA_X

ClientSampled :

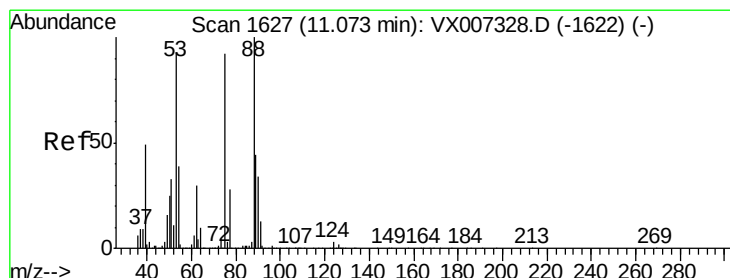
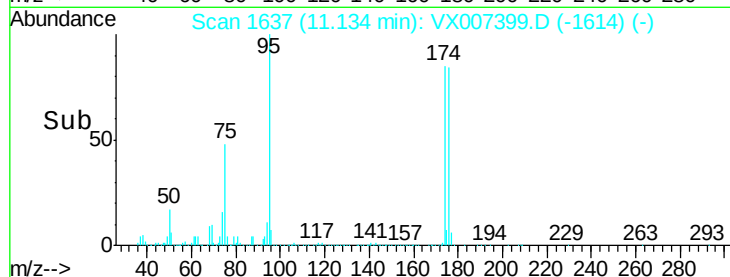
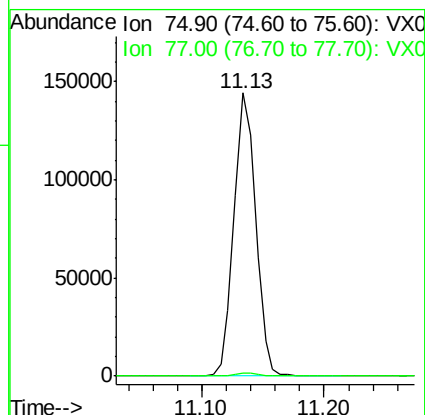
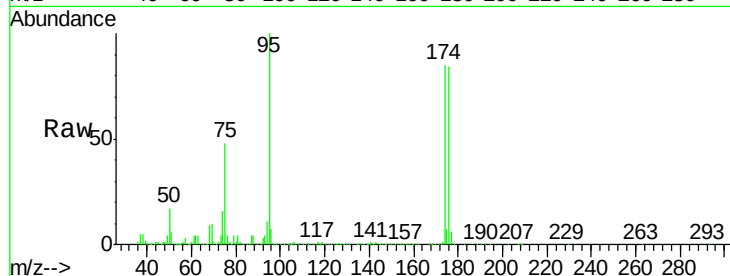
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Tot Ion: 75 Resp: 176691

Ion Ratio Lower Upper

75 100

77 1.3 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.708 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

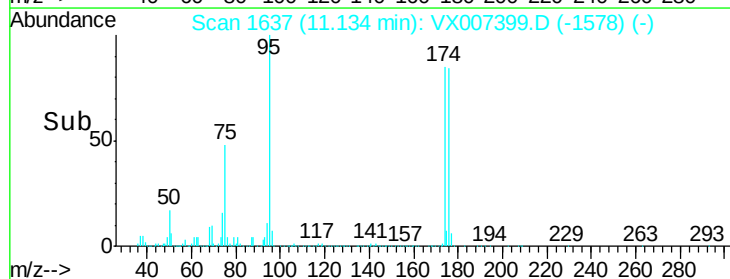
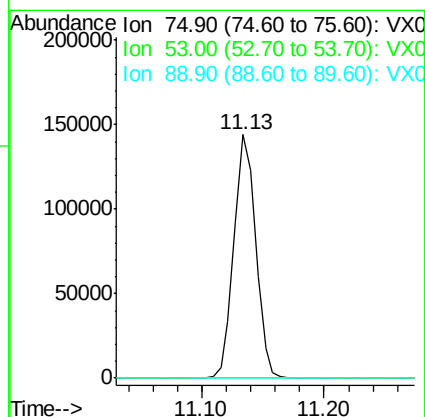
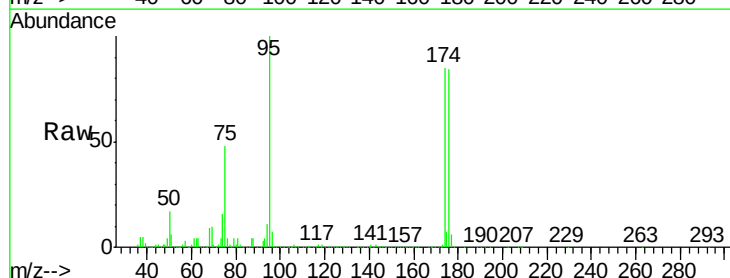
Tgt Ion: 75 Resp: 176691

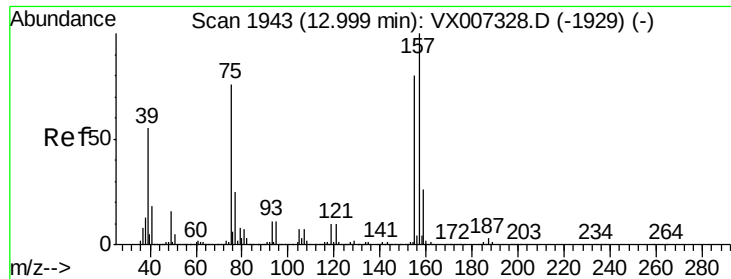
Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 41.4 62.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.204 ug/l

RT: 13.02 min Scan# 1947

Delta R.T. 0.02 min

Lab File: VX007399.D

Acq: 06 Feb 2019 15:04

Instrument :

MSVOA_X

ClientSampleId :

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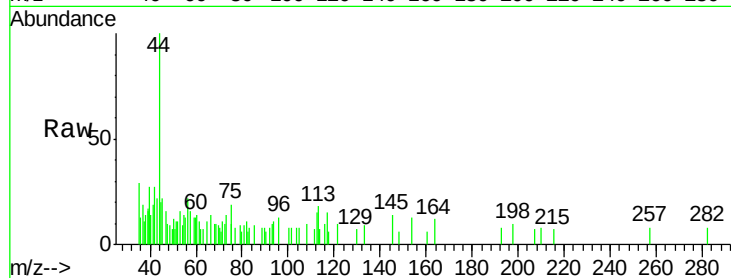
Tot Ion: 75 Resp: 345

Ion Ratio Lower Upper

75 100

155 0.0 49.6 149.0#

157 24.9 65.1 195.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

300

200

100

0

13.00 13.02 13.04 13.06

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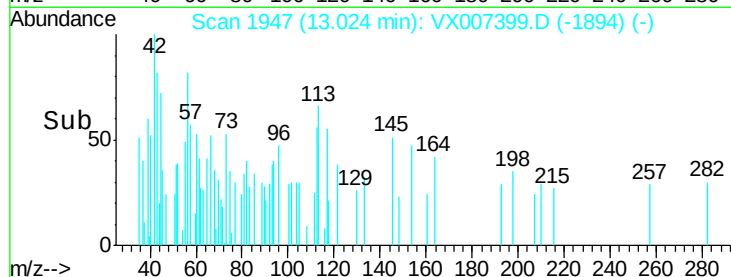
13.02

13.02

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13.02

13.02



Time-->