

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
 Data File : VX008434.D
 Acq On : 26 Mar 2019 00:52
 Operator : JC/SP
 Sample : K2059-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Mar 26 06:08:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	233715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397517	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	341498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140019	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	167955	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
35) Dibromofluoromethane	5.50	113	124309	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	8.71	98	497851	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.13	95	166887	43.45	ug/l	0.00
Spiked Amount			Recovery	=	86.90%	

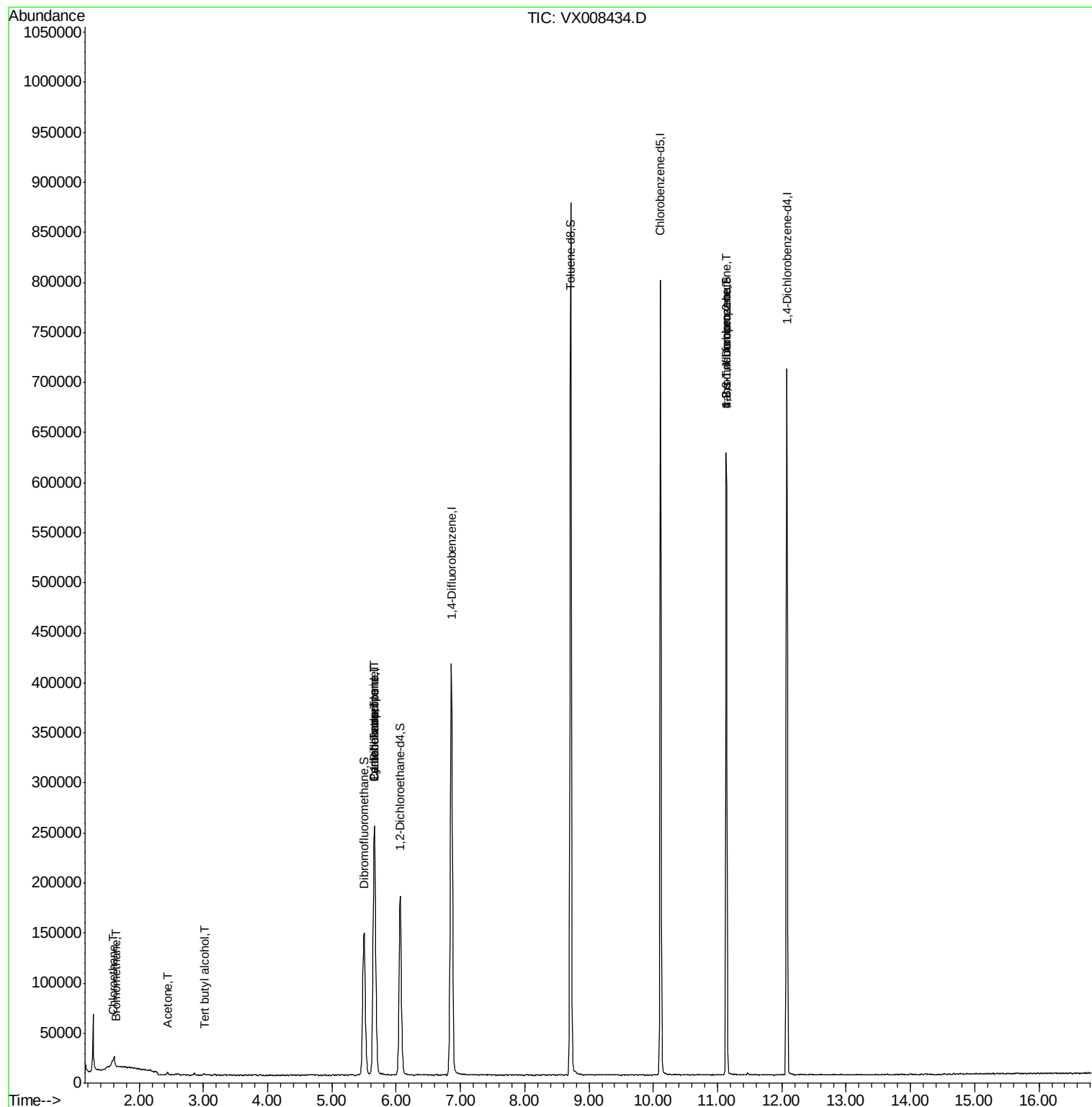
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	304	Below Cal	#	82
5) Bromomethane	1.64	94	84	1.848	ug/l #	57
6) Chloroethane	1.59	64	12606	5.532	ug/l #	51
11) Tert butyl alcohol	3.03	59	962	1.225	ug/l #	78
16) Acetone	2.44	43	2252	1.216	ug/l	92
20) Methylene Chloride	2.86	84	713	Below Cal	#	74
21) trans-1,2-Dichloroethene	3.17	96	67	Below Cal	#	28
31) Cyclohexane	5.65	56	5692	1.002	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20303	4.790	ug/l #	52
38) Carbon Tetrachloride	5.66	117	23463	6.633	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	85817	20.616	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	85817	66.030	ug/l #	9

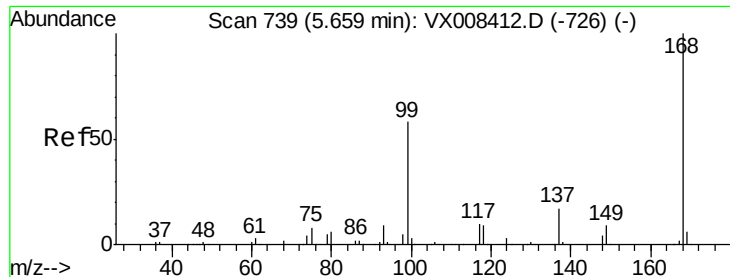
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 04:58:03 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: VX008434.D

Acq: 26 Mar 2019 00:52

Instrument :

MSVOA_X

ClientSampleId :

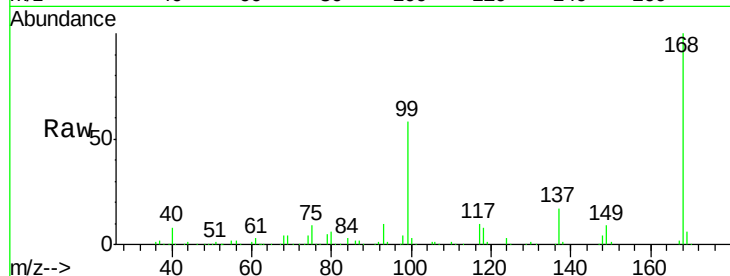
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Tot Ion:168 Resp: 233715

Ion Ratio Lower Upper

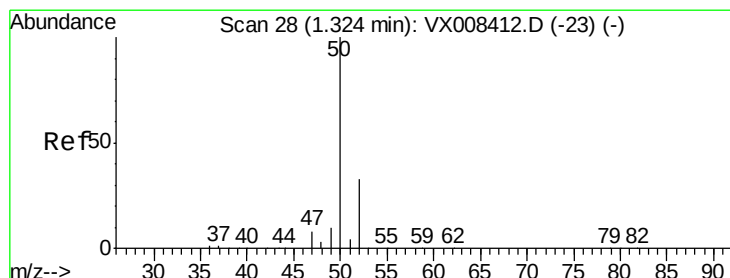
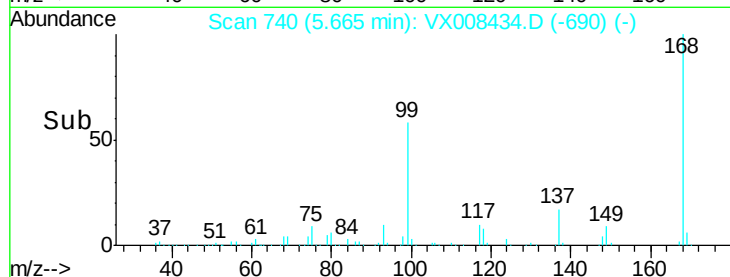
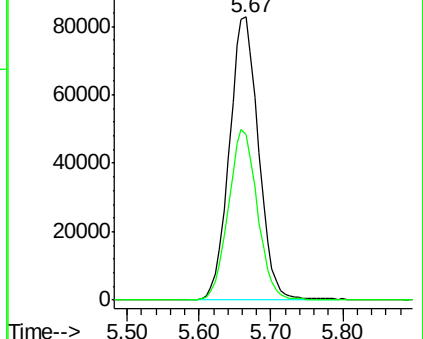
168 100

99 58.3 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008434.D

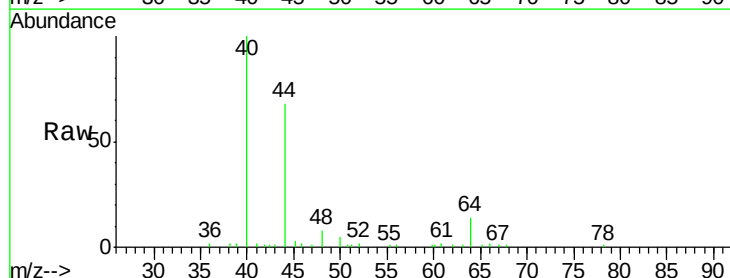
Acq: 26 Mar 2019 00:52

Tgt Ion: 50 Resp: 304

Ion Ratio Lower Upper

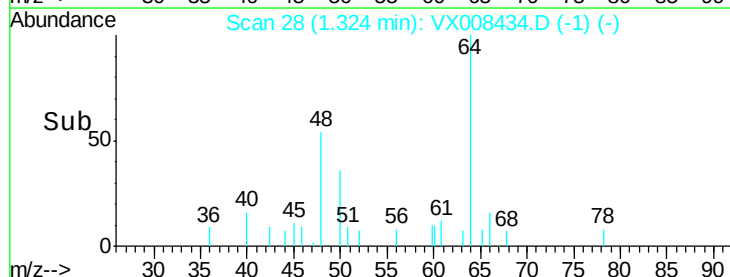
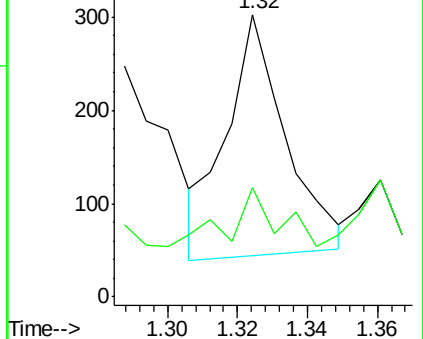
50 100

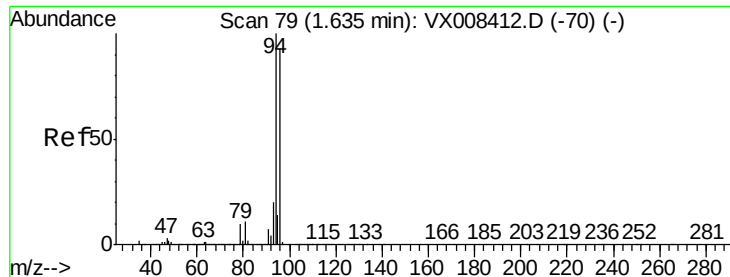
52 22.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.848 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008434.D

Acq: 26 Mar 2019 00:52

Instrument :

MSVOA_X

ClientSampleId :

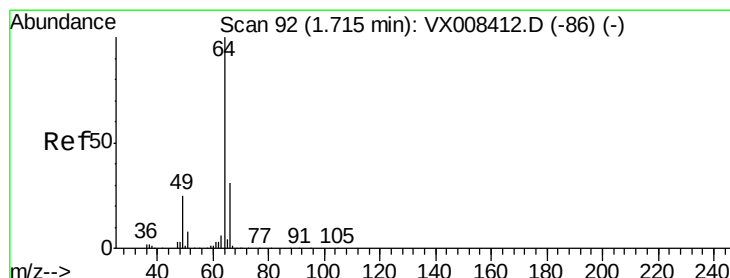
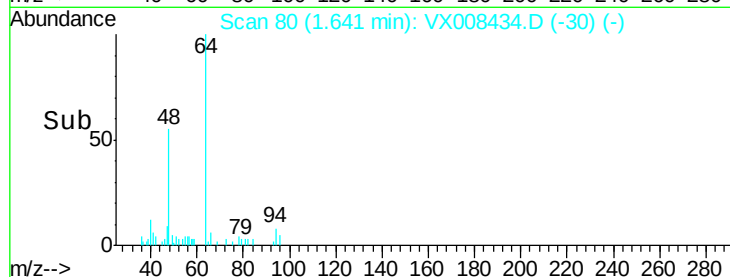
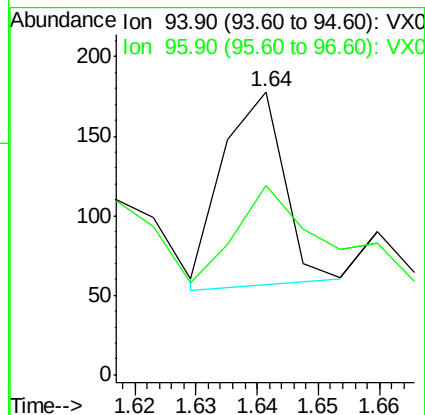
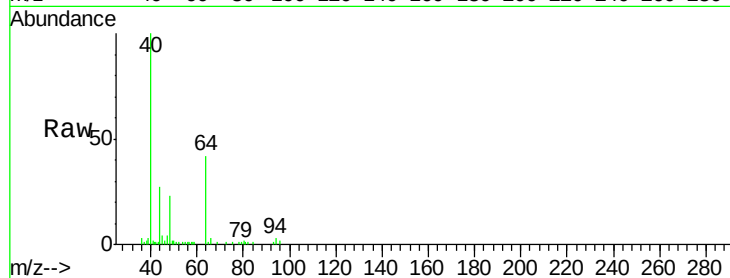
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Tot Ion: 94 Resp: 84

Ion Ratio Lower Upper

94 100

96 51.7 74.8 112.2#



#6

Chloroethane

Concen: 5.532 ug/l

RT: 1.59 min Scan# 71

Delta R.T. -0.13 min

Lab File: VX008434.D

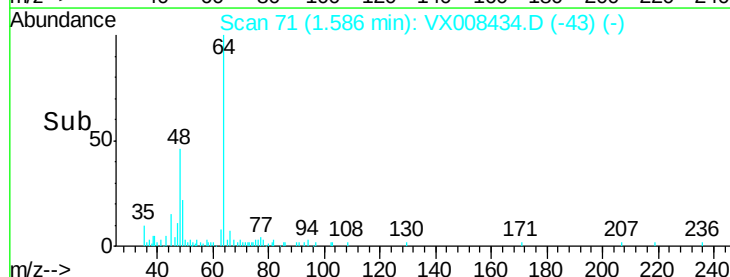
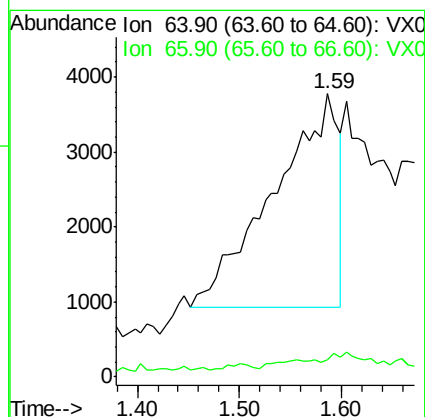
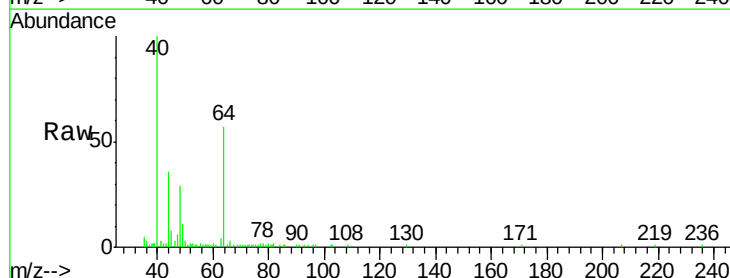
Acq: 26 Mar 2019 00:52

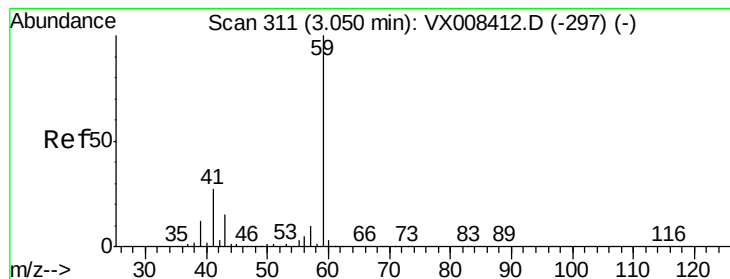
Tgt Ion: 64 Resp: 12606

Ion Ratio Lower Upper

64 100

66 4.5 25.1 37.7#



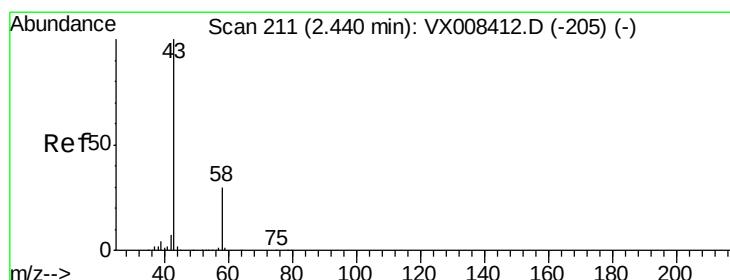
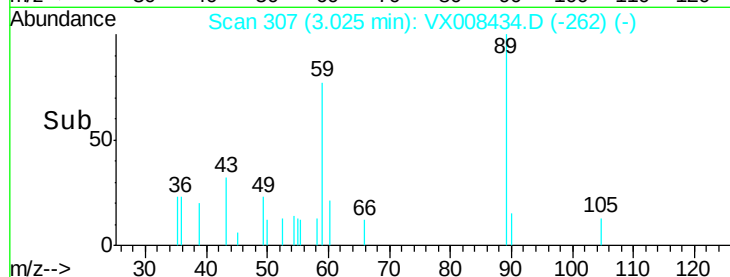
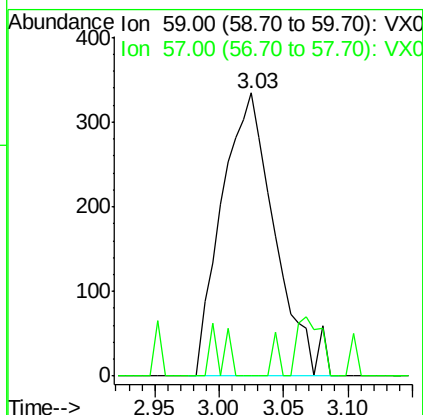
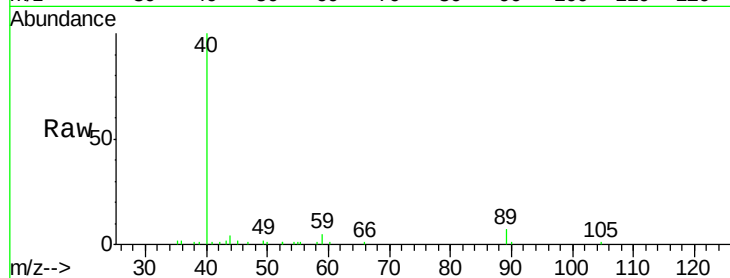


#11

Tert butyl alcohol
Concen: 1.225 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX008434.D
Acq: 26 Mar 2019 00:52

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

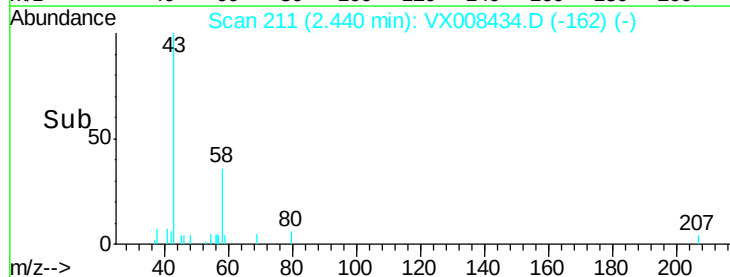
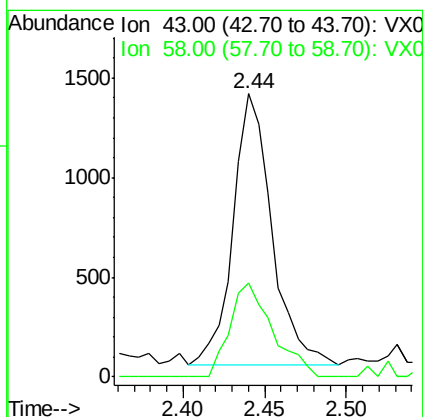
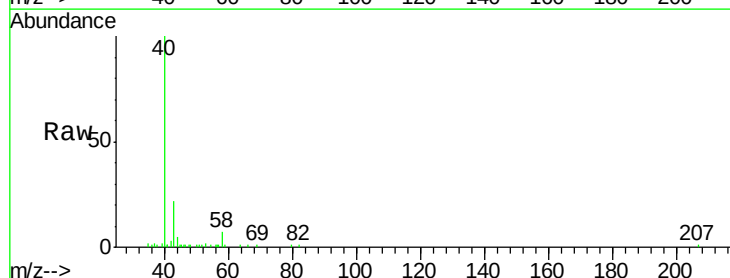
Tot Ion: 59 Resp: 962
Ion Ratio Lower Upper
59 100
57 2.0 8.2 12.4#

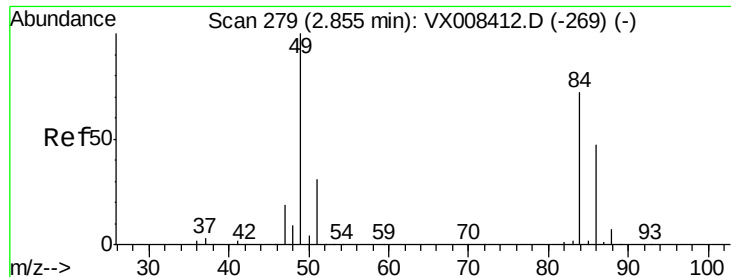


#16

Acetone
Concen: 1.216 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX008434.D
Acq: 26 Mar 2019 00:52

Tgt Ion: 43 Resp: 2252
Ion Ratio Lower Upper
43 100
58 34.7 24.2 36.2

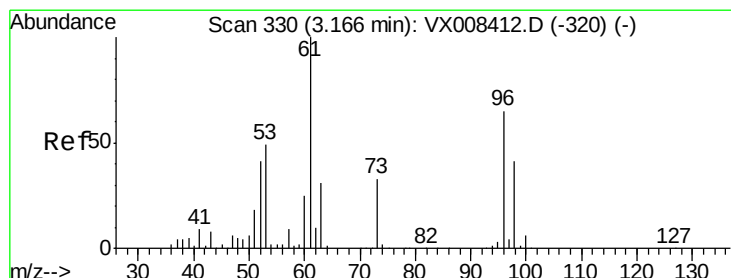
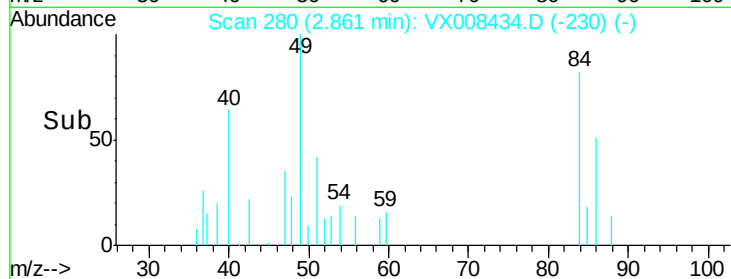
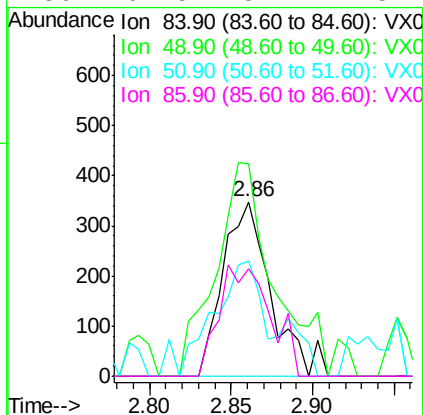
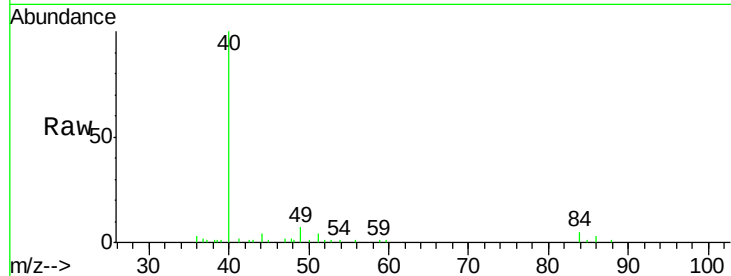




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008434.D
Acq: 26 Mar 2019 00:52

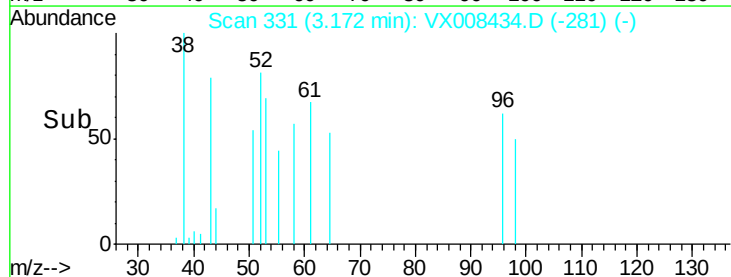
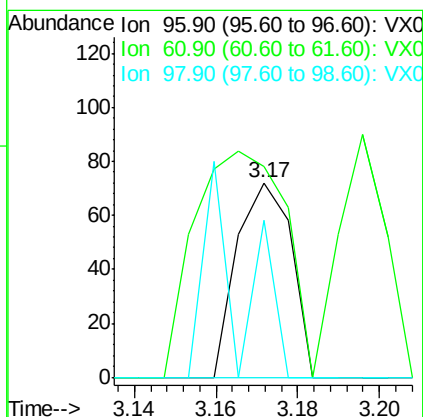
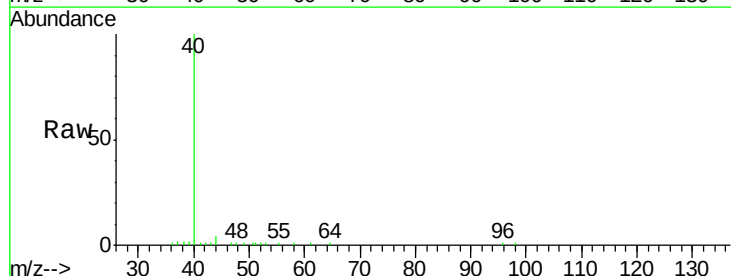
Instrument :
MSVOA_X
ClientSampled :
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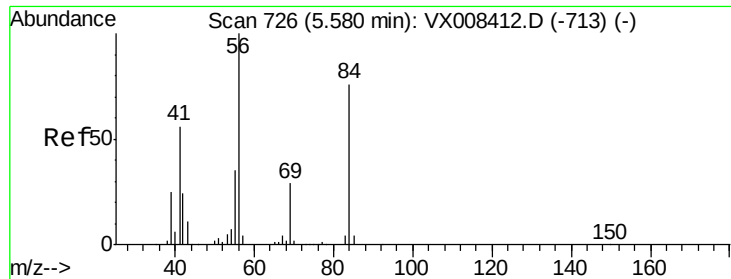
Tot Ion: 84 Resp: 713
Ion Ratio Lower Upper
84 100
49 100.0 110.6 165.8#
51 66.4 33.9 50.9#
86 61.5 52.2 78.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX008434.D
Acq: 26 Mar 2019 00:52

Tgt Ion: 96 Resp: 67
Ion Ratio Lower Upper
96 100
61 34.7 122.6 184.0#
98 80.6 50.9 76.3#

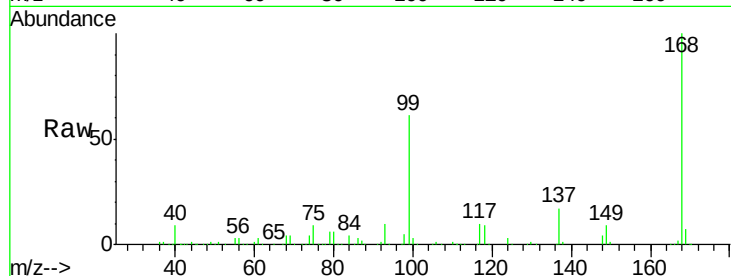




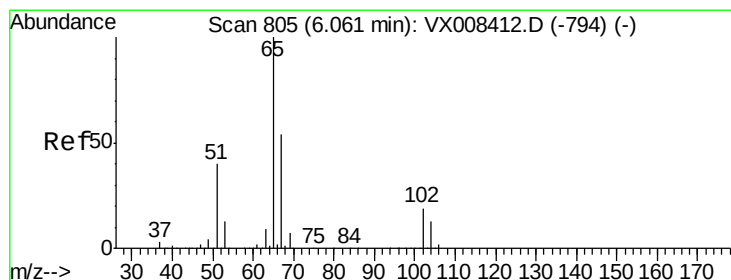
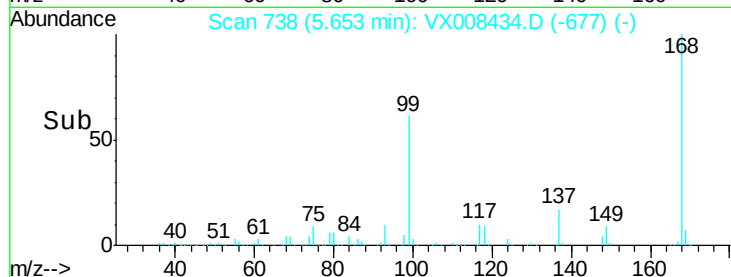
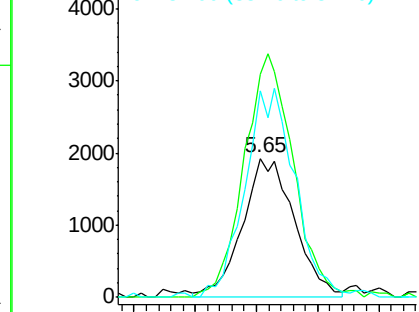
#31
Cyclohexane
Concen: 1.002 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX008434.D
Acq: 26 Mar 2019 00:52

Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

Tot Ion: 56 Resp: 5692
Ion Ratio Lower Upper
56 100
69 166.7 23.2 34.8#
84 154.4 60.7 91.1#

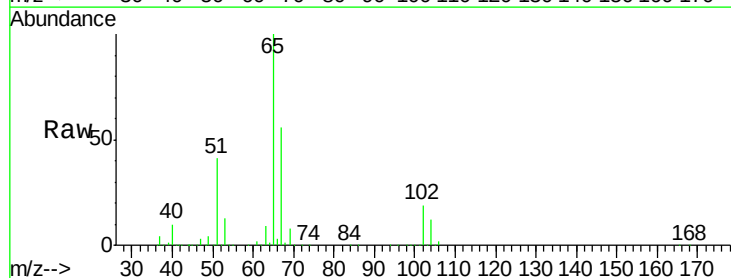


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

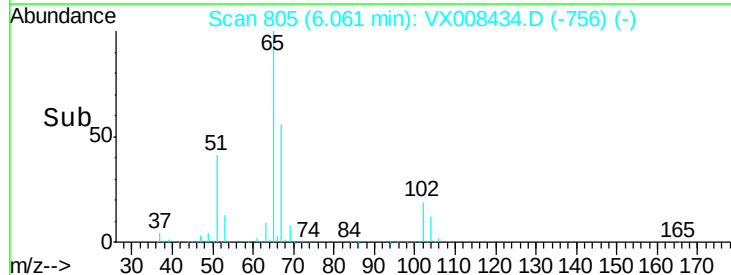
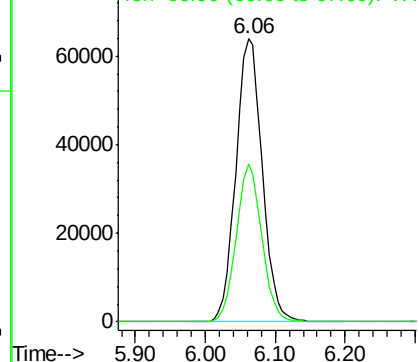


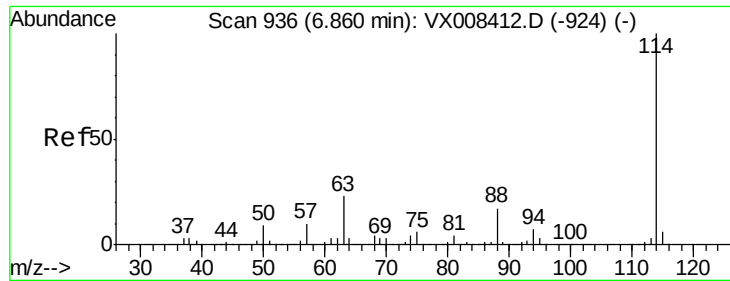
#33
1,2-Dichloroethane-d4
Concen: 47.402 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008434.D
Acq: 26 Mar 2019 00:52

Tgt Ion: 65 Resp: 167955
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

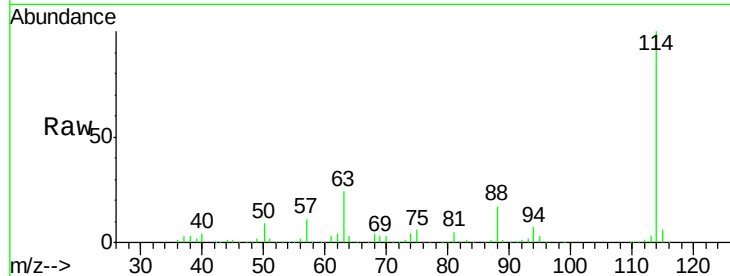




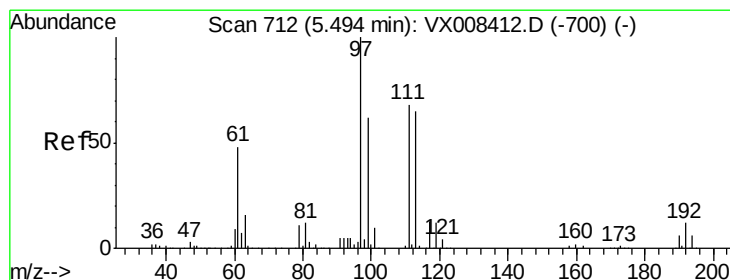
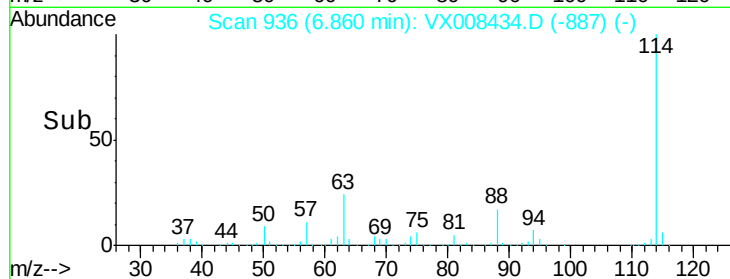
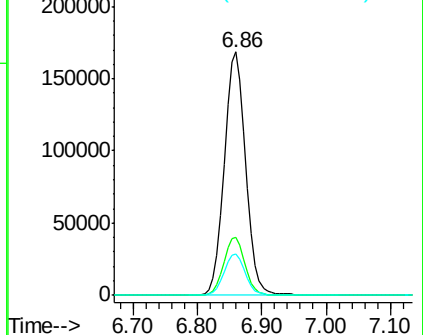
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008434.D
 Acq: 26 Mar 2019 00:52

Instrument :
 MSVOA_X
 ClientSampleId :
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Tot Ion:114 Resp: 397517
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.4
 88 17.2 0.0 33.2

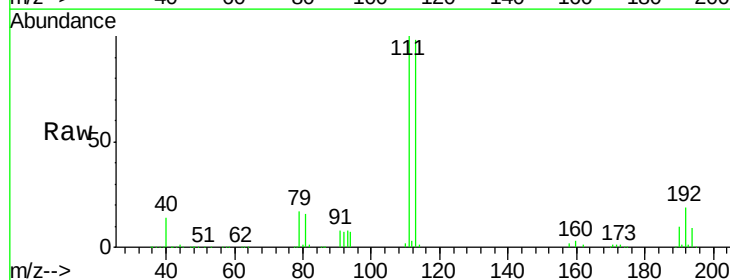


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

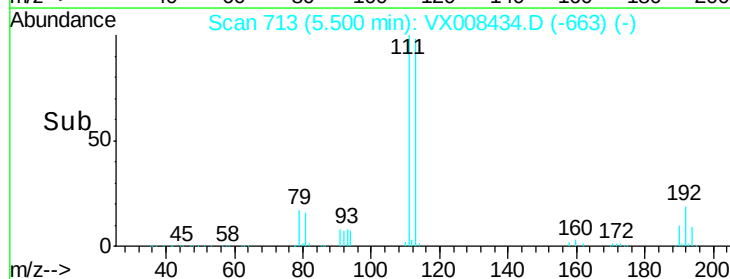
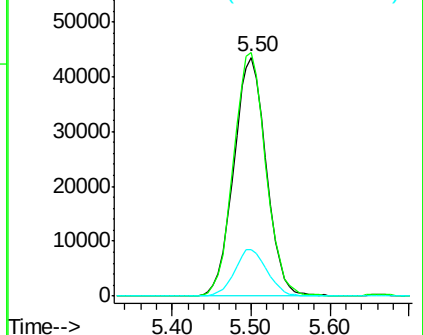


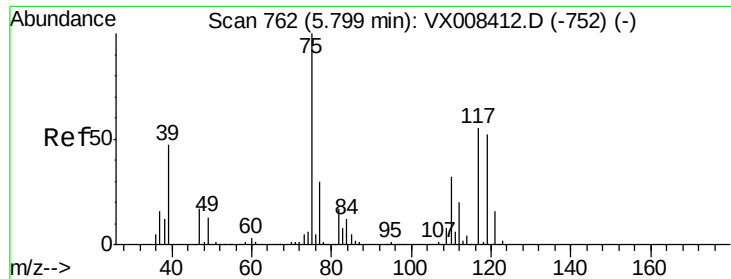
#35
 Dibromofluoromethane
 Concen: 47.959 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008434.D
 Acq: 26 Mar 2019 00:52

Tgt Ion:113 Resp: 124309
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.0 124.4
 192 19.5 15.6 23.4



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

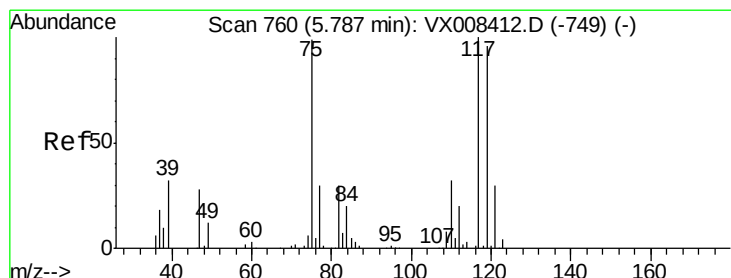
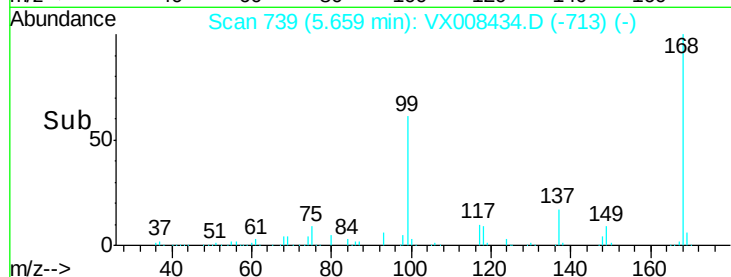
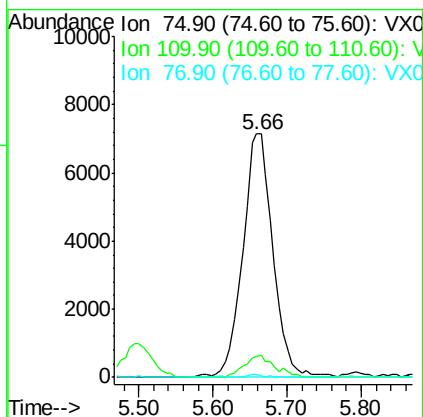
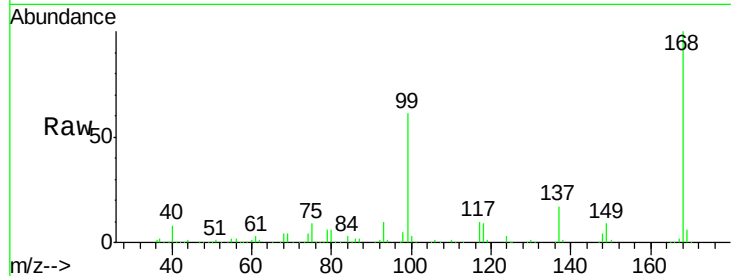




#36
 1,1-Dichloropropene
 Concen: 4.790 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008434.D
 Acq: 26 Mar 2019 00:52

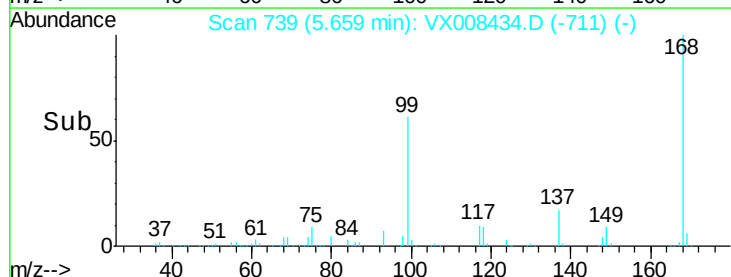
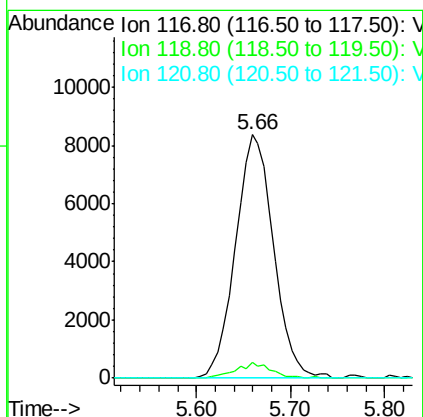
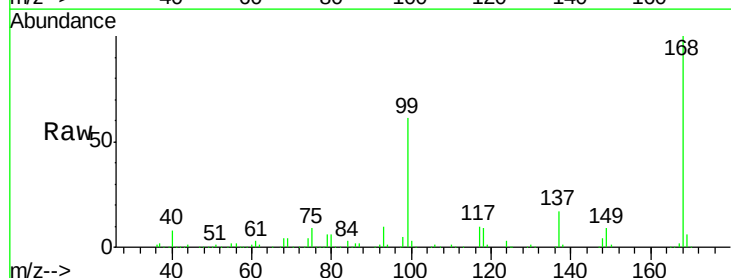
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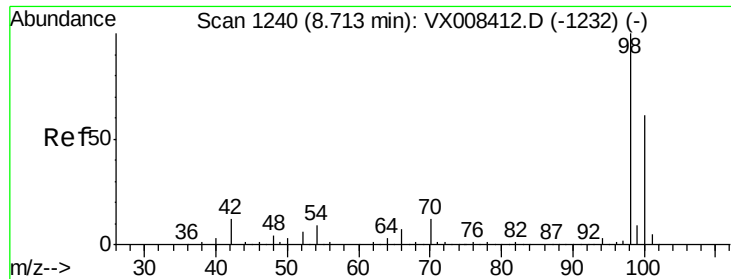
Tot Ion: 75 Resp: 20303
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.6 49.7#
 77 0.6 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.633 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008434.D
 Acq: 26 Mar 2019 00:52

Tgt Ion: 117 Resp: 23463
 Ion Ratio Lower Upper
 117 100
 119 6.4 76.7 115.1#
 121 0.0 24.3 36.5#

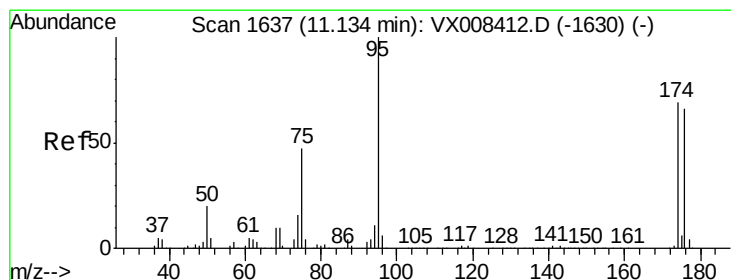
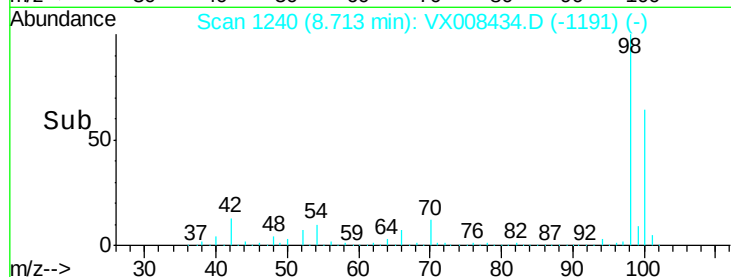
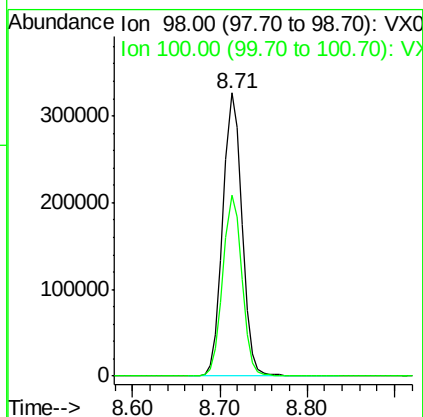
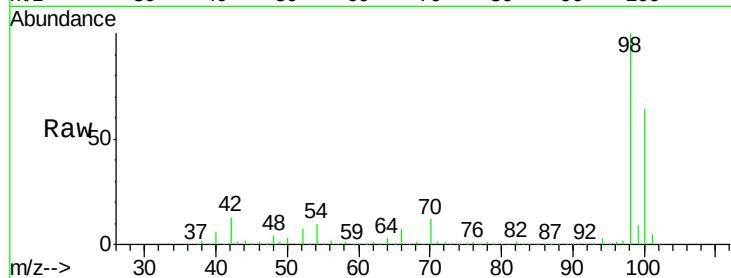




#50
Toluene-d8
Concen: 48.035 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008434.D
Acq: 26 Mar 2019 00:52

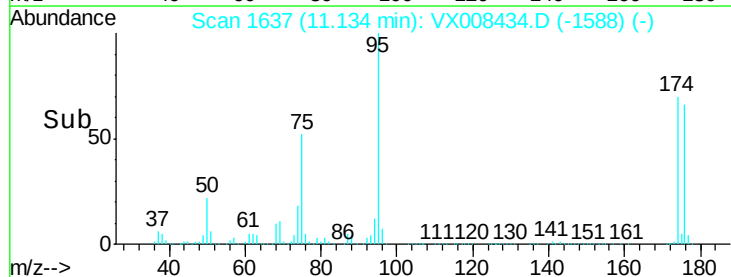
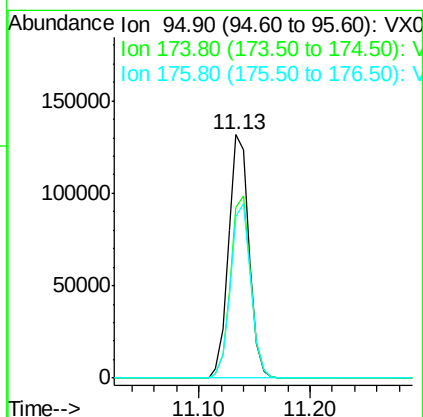
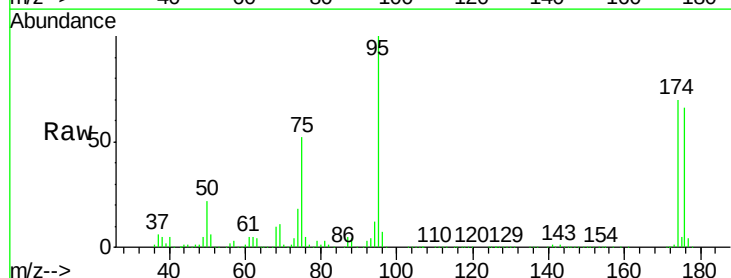
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

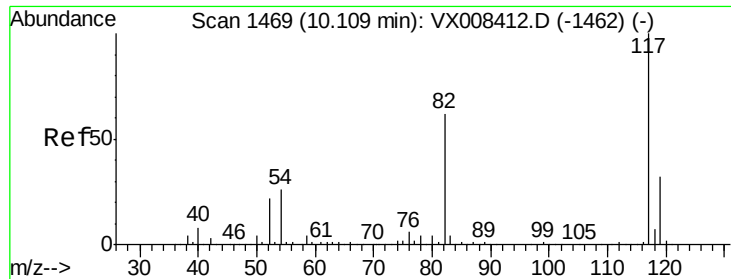
Tot Ion: 98 Resp: 497851
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.453 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008434.D
Acq: 26 Mar 2019 00:52

Tgt Ion: 95 Resp: 166887
Ion Ratio Lower Upper
95 100
174 74.6 0.0 147.2
176 71.3 0.0 142.4

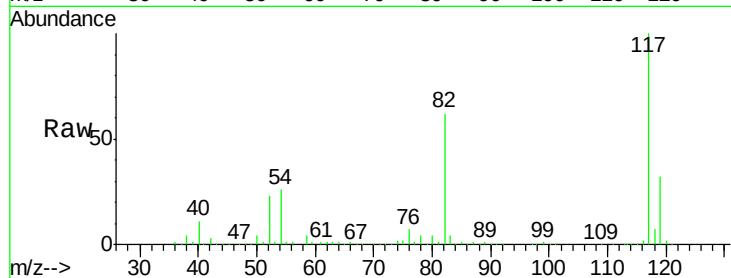




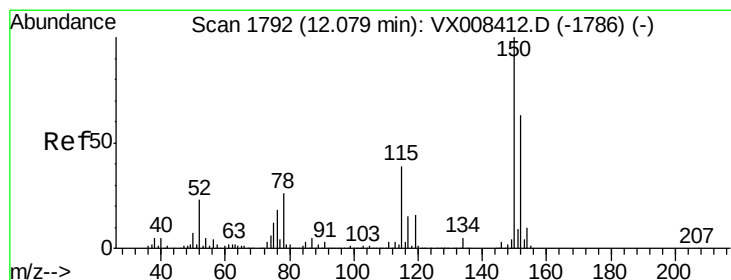
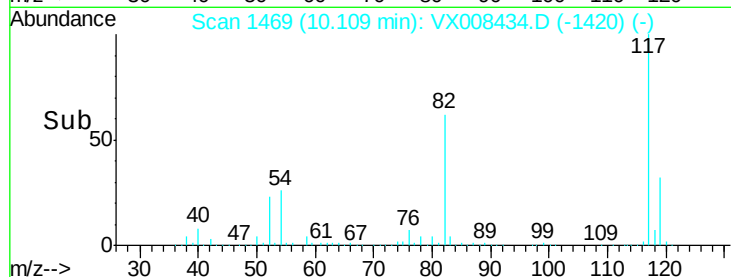
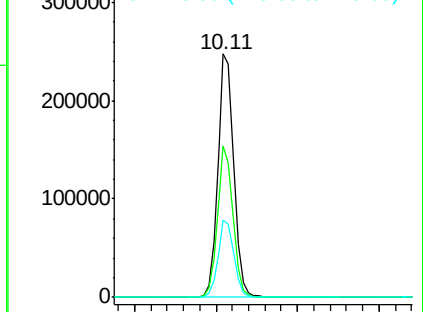
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008434.D
Acq: 26 Mar 2019 00:52

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 341498
Ion Ratio Lower Upper
117 100
82 62.2 49.4 74.2
119 31.9 25.4 38.0

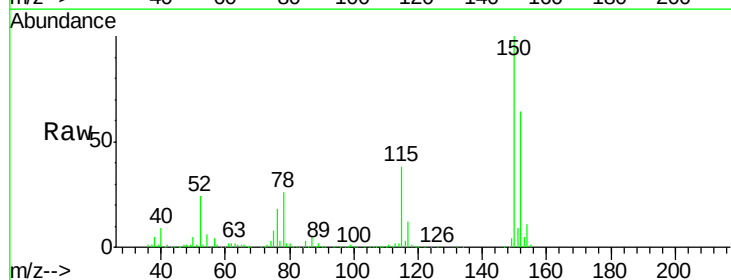


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

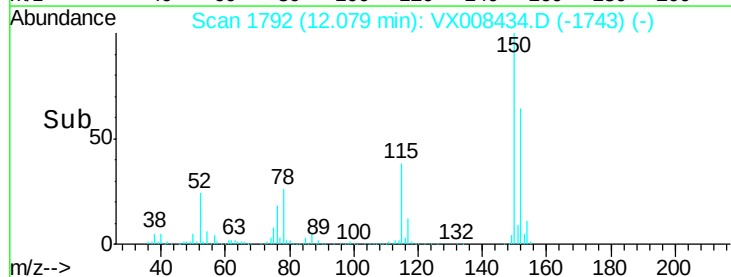
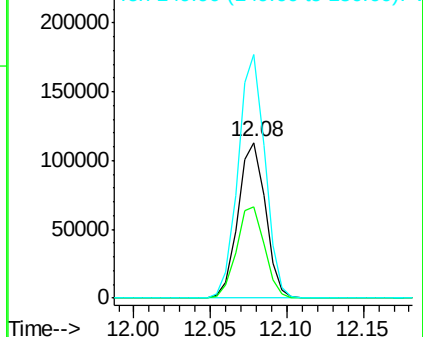


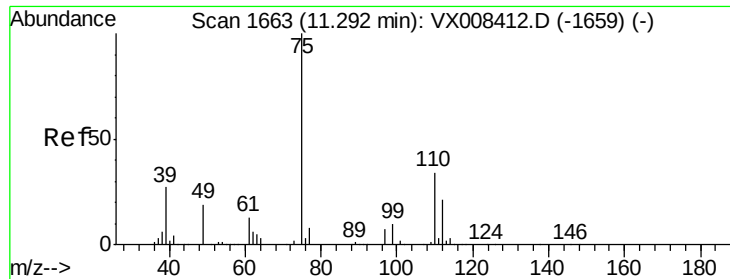
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008434.D
Acq: 26 Mar 2019 00:52

Tgt Ion:152 Resp: 140019
Ion Ratio Lower Upper
152 100
115 60.4 43.5 130.5
150 154.8 0.0 348.8



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: 20.616 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008434.D

Acq: 26 Mar 2019 00:52

Instrument :

MSVOA_X

ClientSampleId :

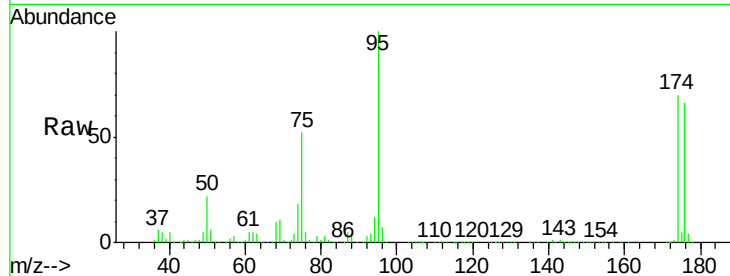
TRIP-BLANK

Tot Ion: 75 Resp: 85817

Ion Ratio Lower Upper

75 100

77 1.3 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

80000

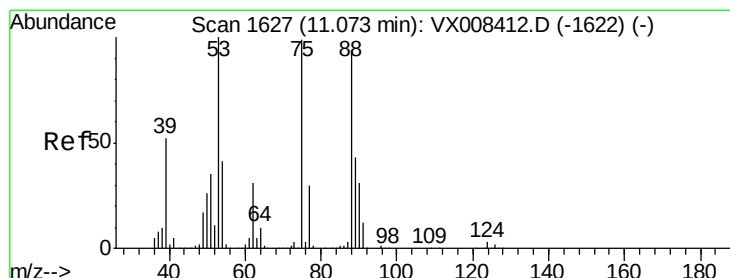
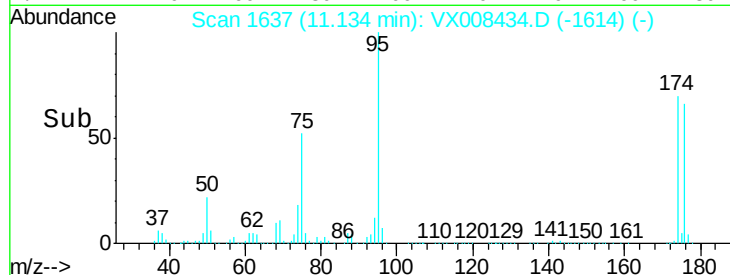
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 66.030 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008434.D

Acq: 26 Mar 2019 00:52

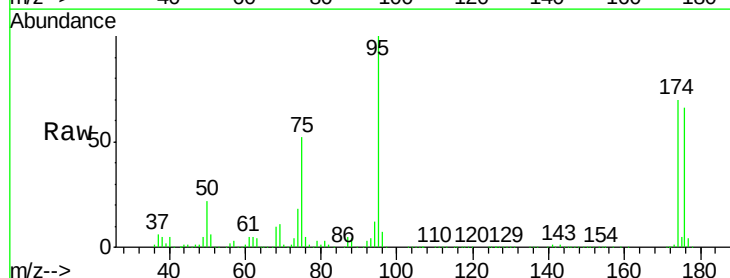
Tgt Ion: 75 Resp: 85817

Ion Ratio Lower Upper

75 100

53 0.2 82.1 123.1#

89 0.1 34.6 52.0#



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

11.13

80000

60000

40000

20000

0

Time-->

