

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030519\
 Data File : VX007831.D
 Acq On : 05 Mar 2019 12:35
 Operator : JC/SP
 Sample : K1603-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T0-UV(PRE)

Quant Time: Mar 05 13:04:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	329564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	514076	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	477297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229157	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	180493	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	
35) Dibromofluoromethane	5.51	113	166900	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	8.71	98	617606	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
62) 4-Bromofluorobenzene	11.13	95	224147	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	

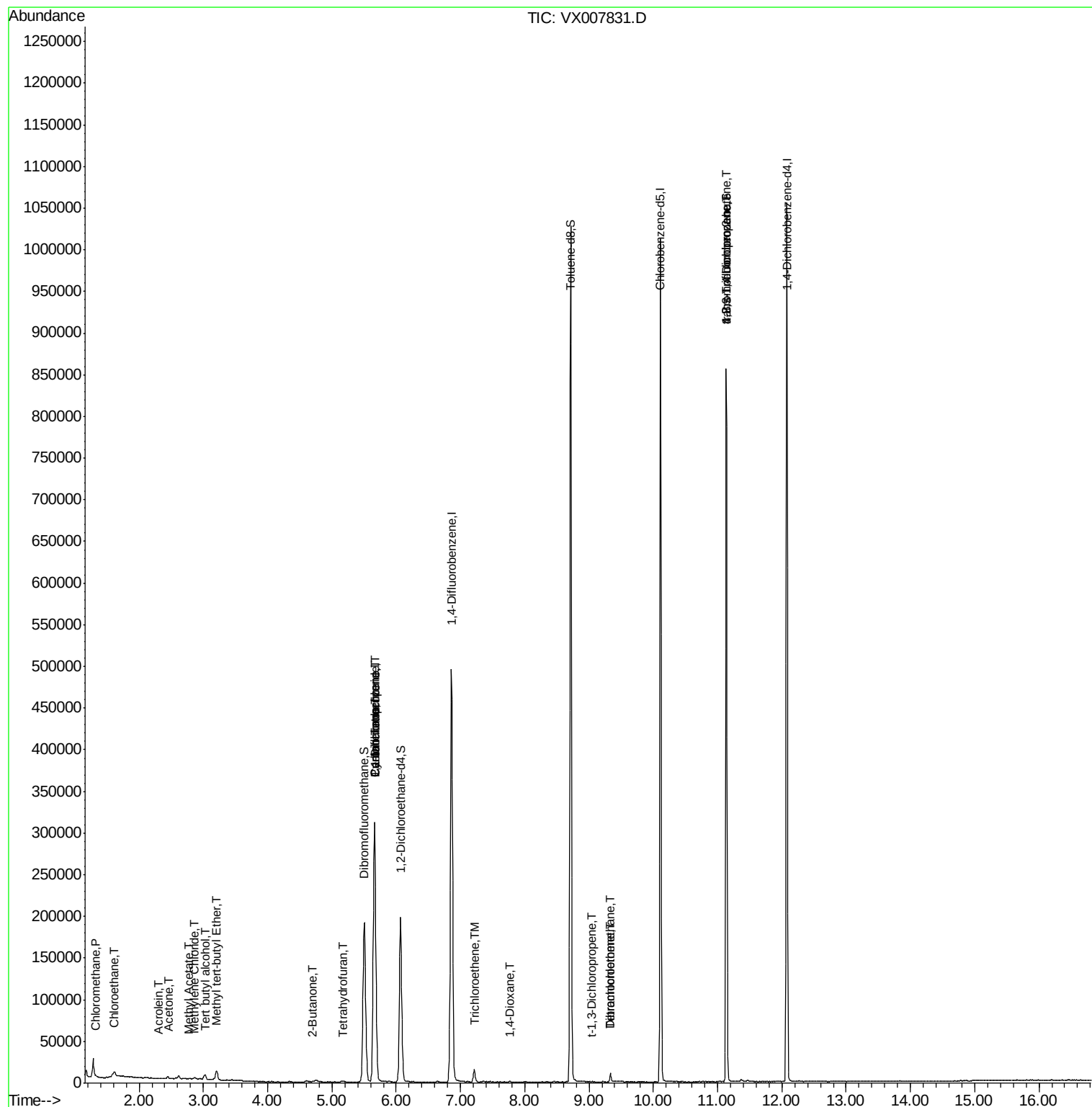
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	716	0.213	ug/l #	85
5) Bromomethane	1.64	94	571	Below Cal	#	56
6) Chloroethane	1.61	64	8857	4.016	ug/l #	61
11) Tert butyl alcohol	3.03	59	3792	4.896	ug/l #	73
13) Acrolein	2.30	56	156	0.227	ug/l #	2
16) Acetone	2.45	43	2811	1.548	ug/l	93
18) Methyl Acetate	2.78	43	1083	0.273	ug/l #	76
19) Methyl tert-butyl Ether	3.20	73	12455	1.241	ug/l	96
20) Methylene Chloride	2.86	84	712	0.212	ug/l #	76
25) 2-Butanone	4.70	43	1036	0.375	ug/l	95
29) Tetrahydrofuran	5.18	42	607	0.333	ug/l #	72
31) Cyclohexane	5.66	56	5181	0.913	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20157	4.361	ug/l #	47
38) Carbon Tetrachloride	5.67	117	27611	5.947	ug/l #	18
44) Trichloroethene	7.21	130	5663	1.443	ug/l	86
49) 1,4-Dioxane	7.77	88	279	3.119	ug/l #	89
53) t-1,3-Dichloropropene	9.05	75	23	2.807	ug/l #	1
60) Dibromochloromethane	9.34	129	1498	0.415	ug/l #	12
64) Tetrachloroethene	9.34	164	1862	0.481	ug/l	86
76) 1,2,3-Trichloropropane	11.13	75	103658	21.221	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	103658	56.454	ug/l #	9

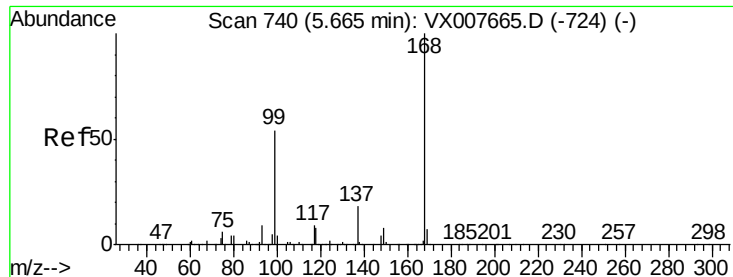
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007831.D

Acq: 05 Mar 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

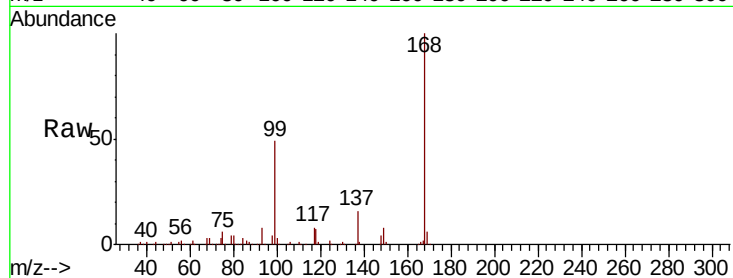
M2-T0-UV(PRE)

Tgt Ion:168 Resp: 329564

Ion Ratio Lower Upper

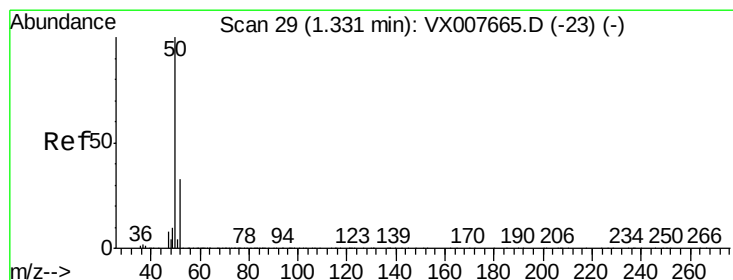
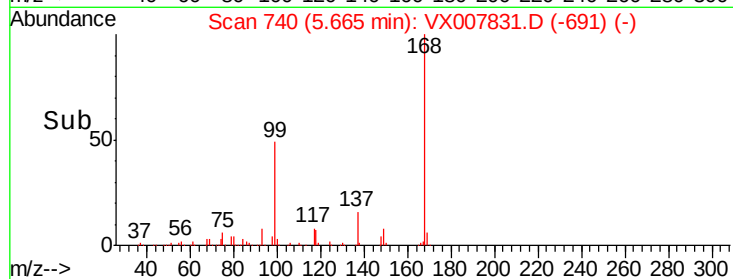
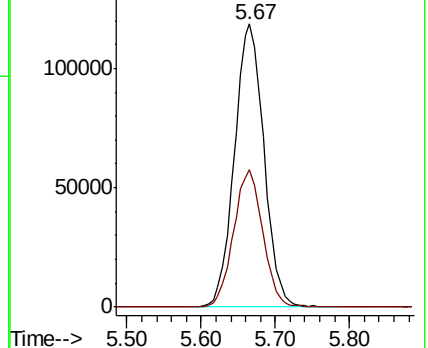
168 100

99 48.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.213 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007831.D

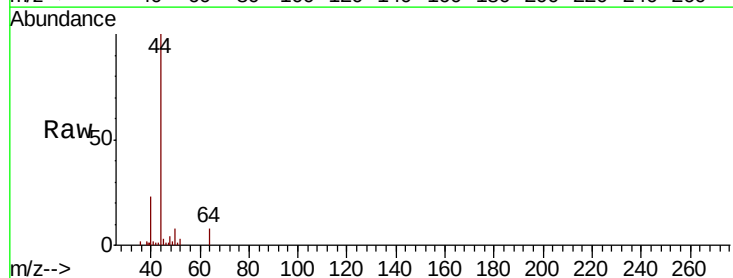
Acq: 05 Mar 2019 12:35

Tgt Ion: 50 Resp: 716

Ion Ratio Lower Upper

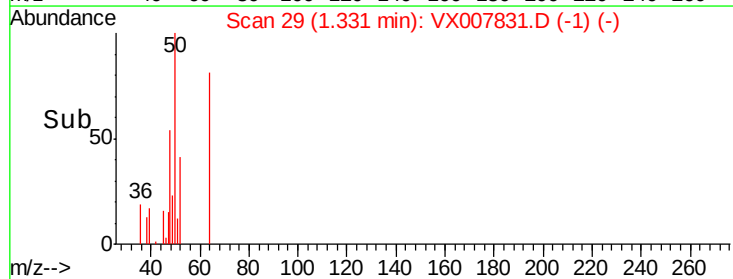
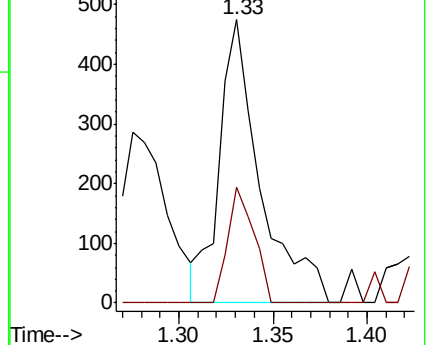
50 100

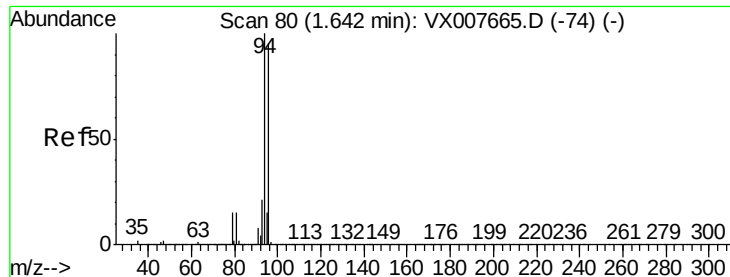
52 40.9 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007831.D

Acq: 05 Mar 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

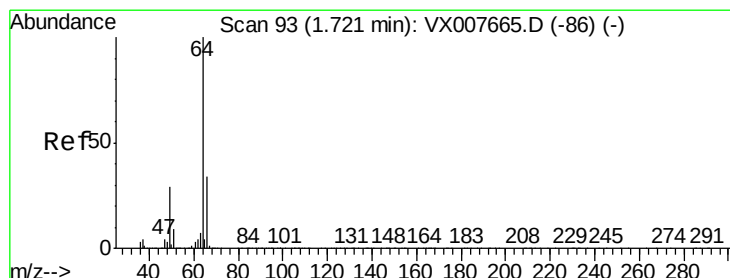
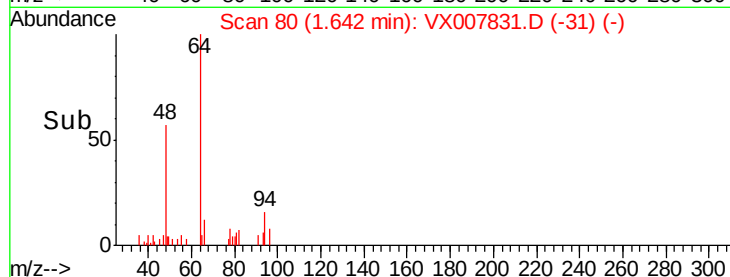
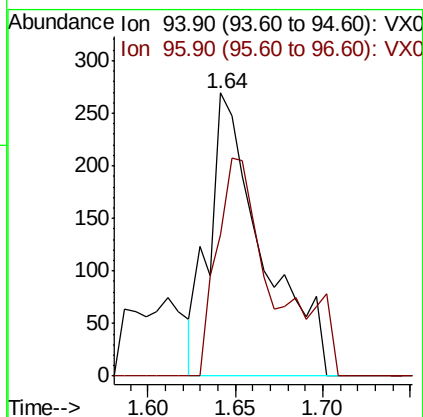
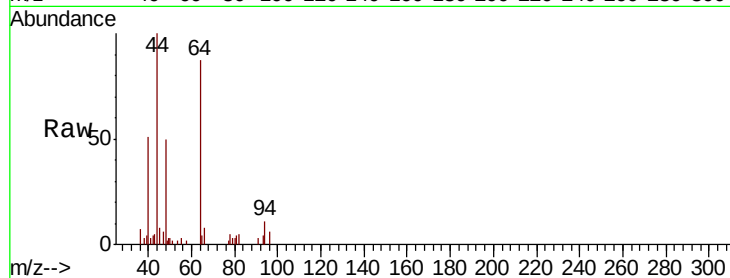
M2-T0-UV(PRE)

Tgt Ion: 94 Resp: 571

Ion Ratio Lower Upper

94 100

96 50.2 73.9 110.9#



#6

Chloroethane

Concen: 4.016 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX007831.D

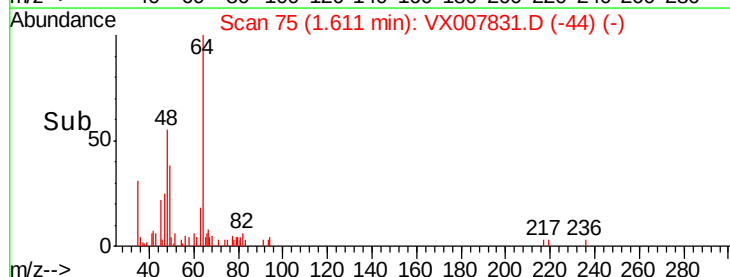
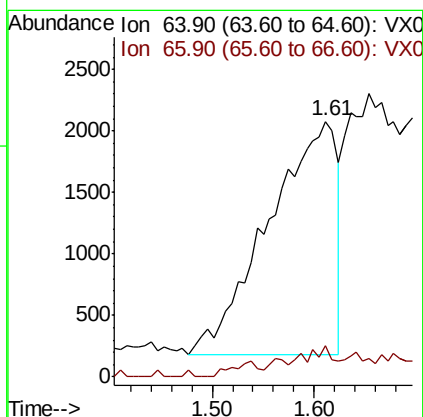
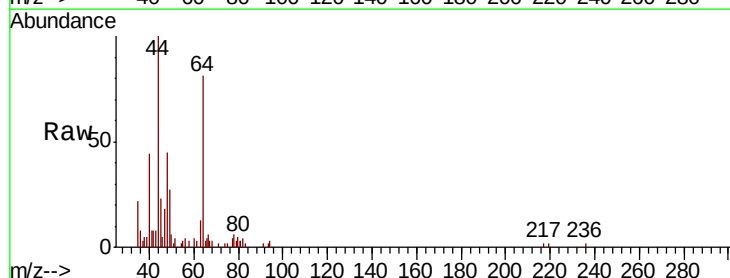
Acq: 05 Mar 2019 12:35

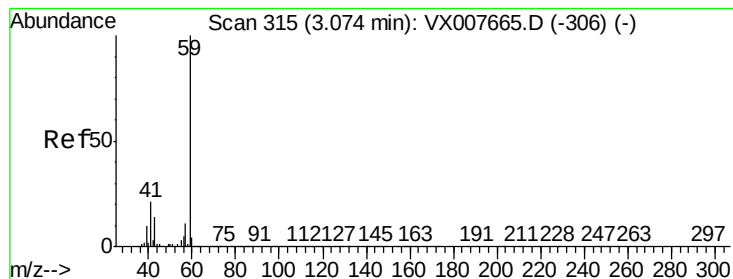
Tgt Ion: 64 Resp: 8857

Ion Ratio Lower Upper

64 100

66 10.4 25.5 38.3#





#11

Tert butyl alcohol

Concen: 4.896 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.04 min

Lab File: VX007831.D

Acq: 05 Mar 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

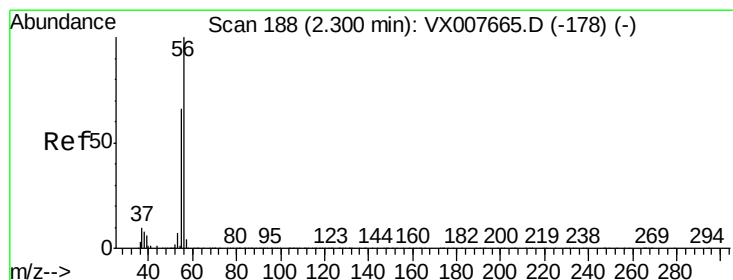
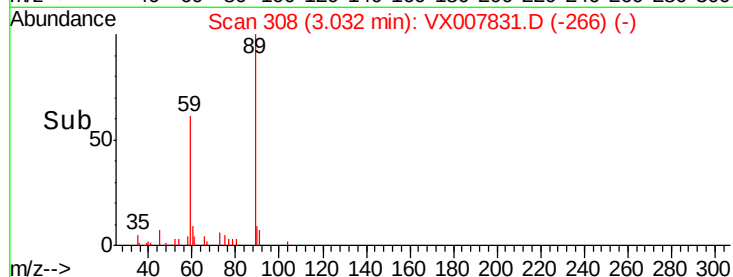
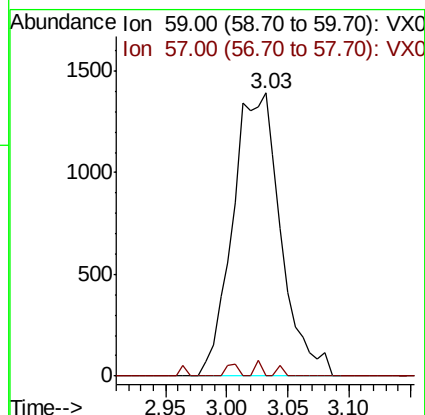
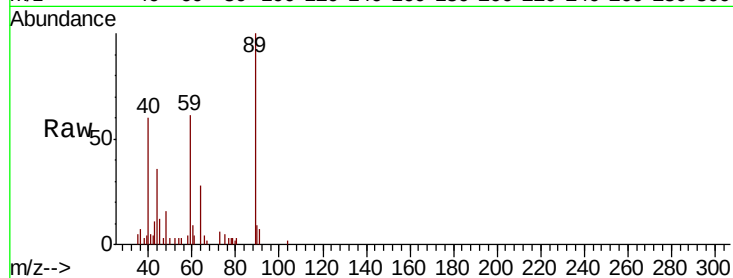
M2-T0-UV(PRE)

Tgt Ion: 59 Resp: 3792

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.227 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007831.D

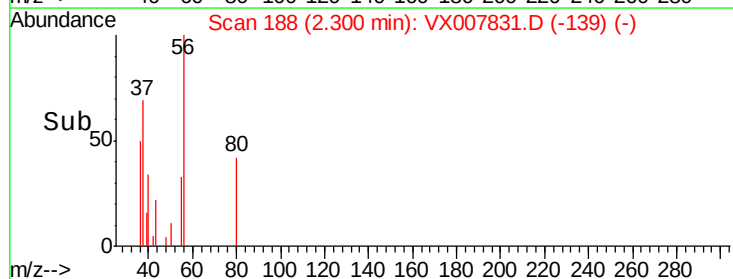
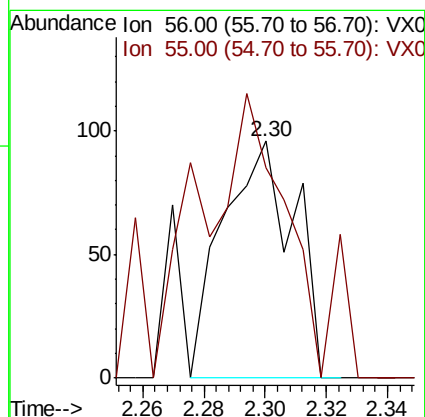
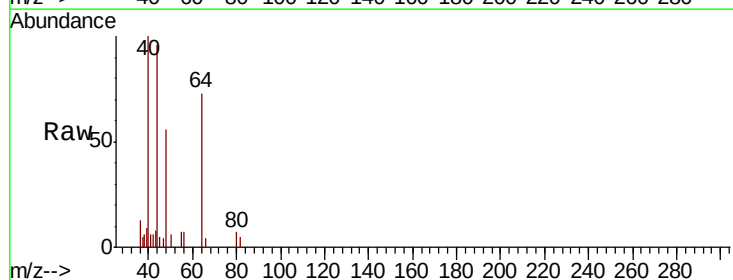
Acq: 05 Mar 2019 12:35

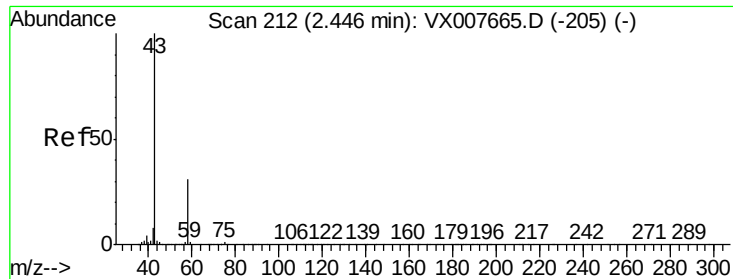
Tgt Ion: 56 Resp: 156

Ion Ratio Lower Upper

56 100

55 151.9 56.9 85.3#





#16

Acetone

Concen: 1.548 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007831.D

Acq: 05 Mar 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

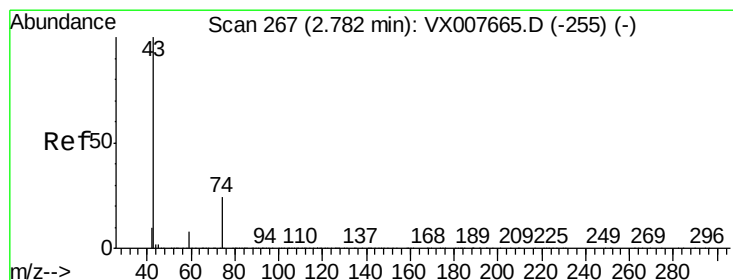
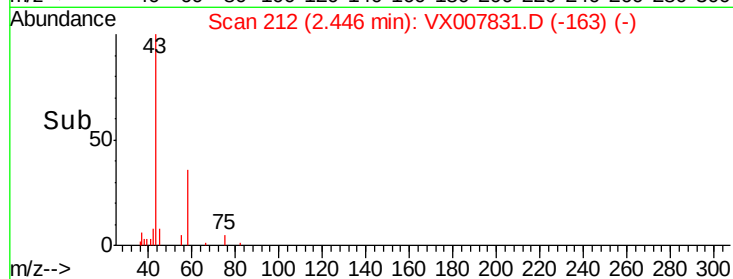
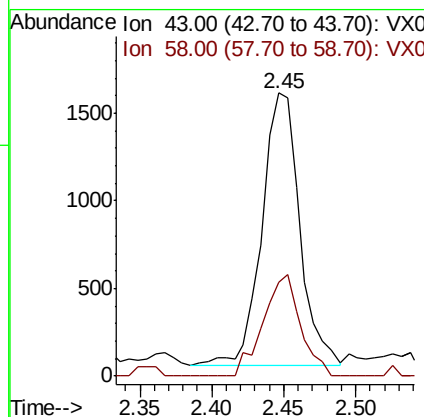
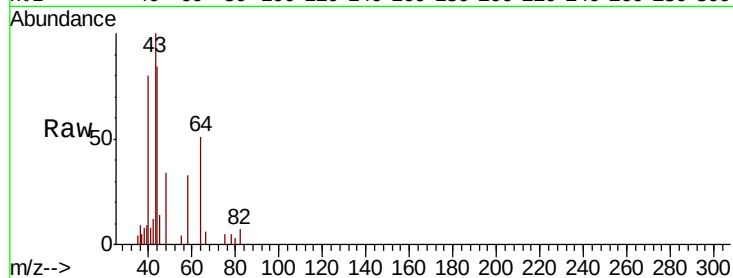
M2-T0-UV(PRE)

Tgt Ion: 43 Resp: 2811

Ion Ratio Lower Upper

43 100

58 34.8 24.9 37.3



#18

Methyl Acetate

Concen: 0.273 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007831.D

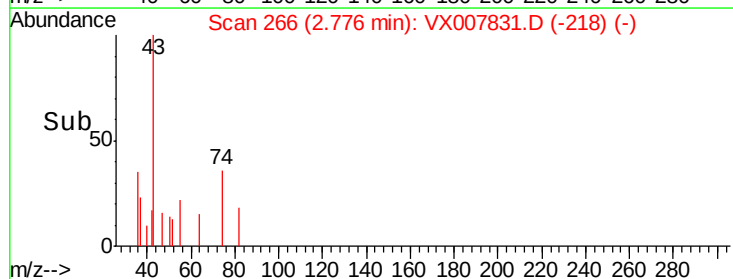
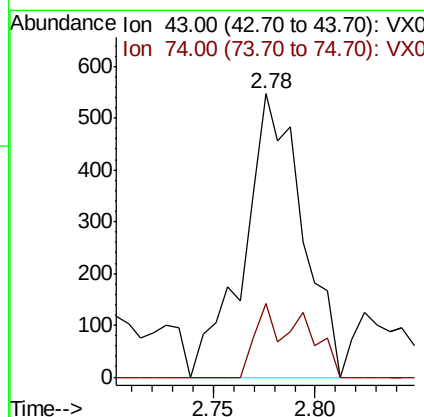
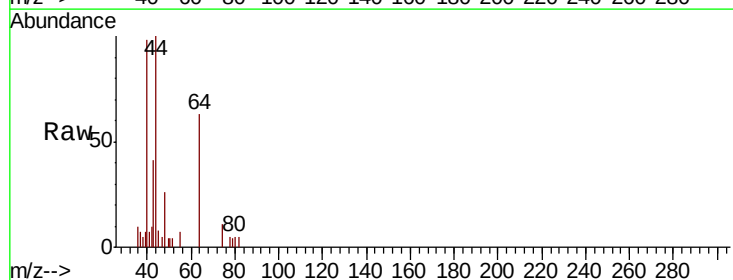
Acq: 05 Mar 2019 12:35

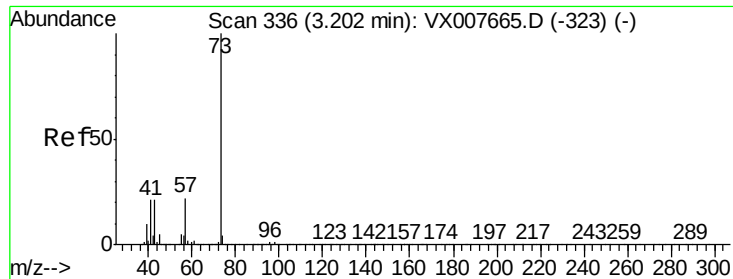
Tgt Ion: 43 Resp: 1083

Ion Ratio Lower Upper

43 100

74 12.6 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 1.241 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX007831.D

Acq: 05 Mar 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

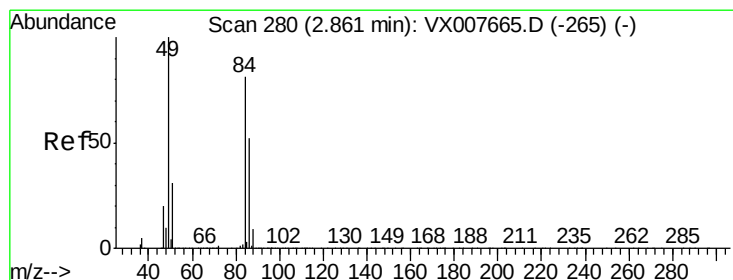
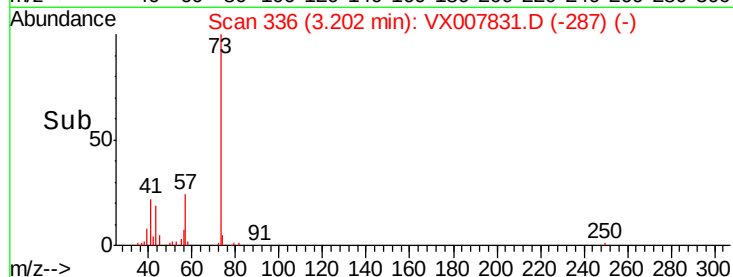
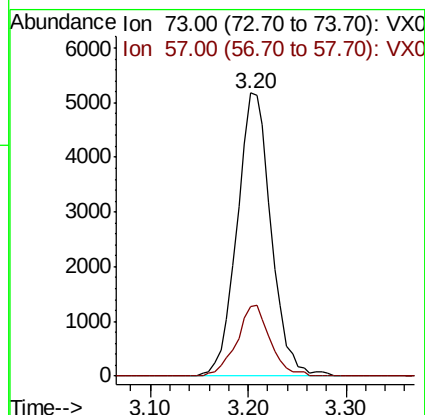
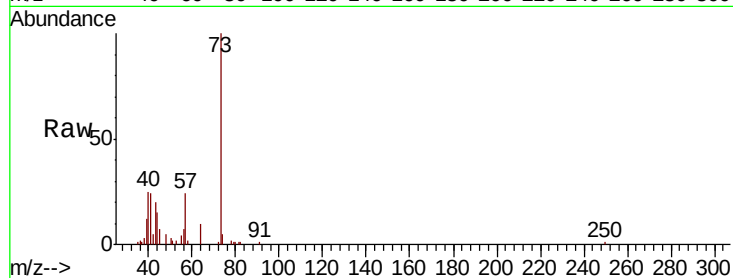
M2-T0-UV(PRE)

Tgt Ion: 73 Resp: 12455

Ion Ratio Lower Upper

73 100

57 24.4 17.8 26.8



#20

Methylene Chloride

Concen: 0.212 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007831.D

Acq: 05 Mar 2019 12:35

Tgt Ion: 84 Resp: 712

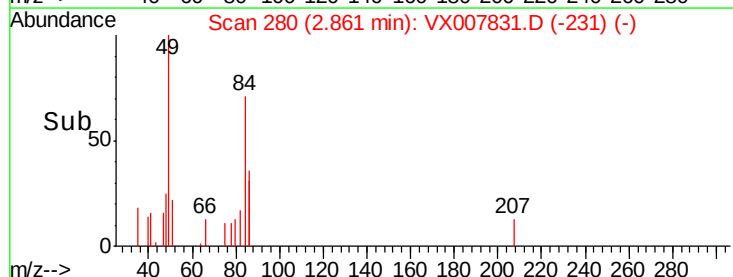
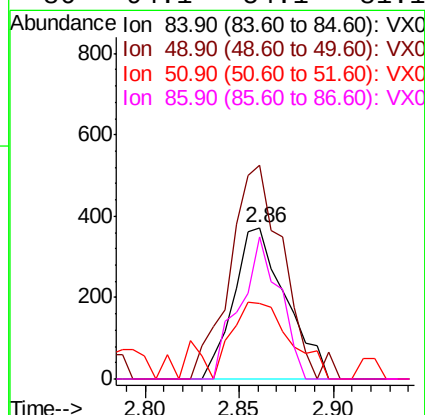
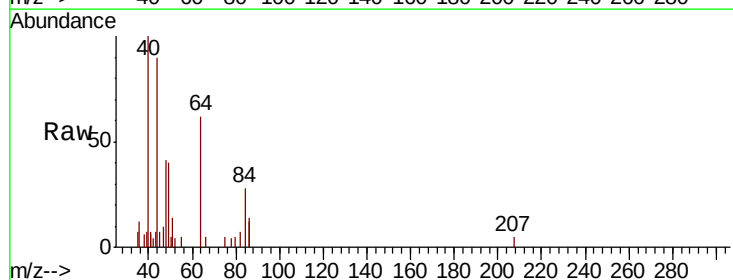
Ion Ratio Lower Upper

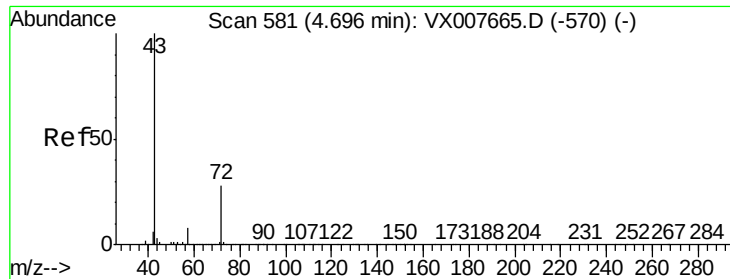
84 100

49 141.1 94.8 142.2

51 50.3 29.8 44.8#

86 94.1 54.1 81.1#

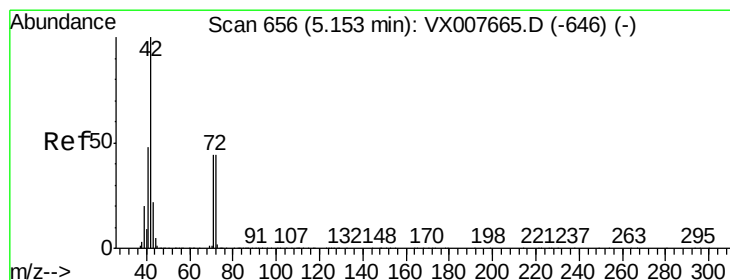
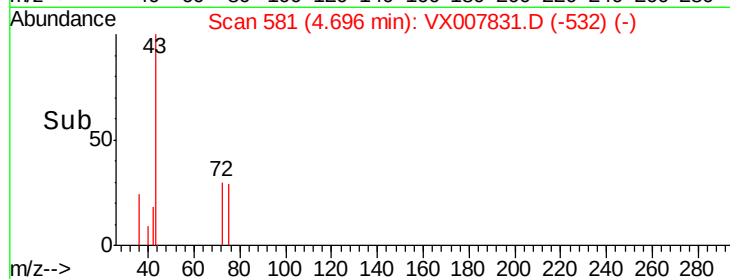
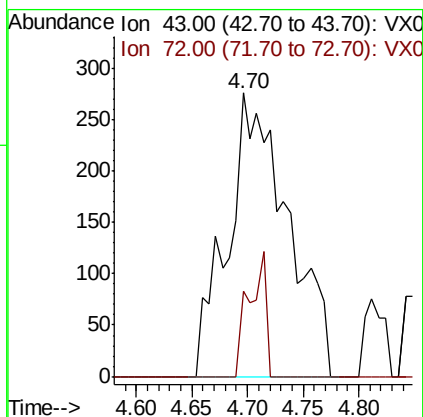
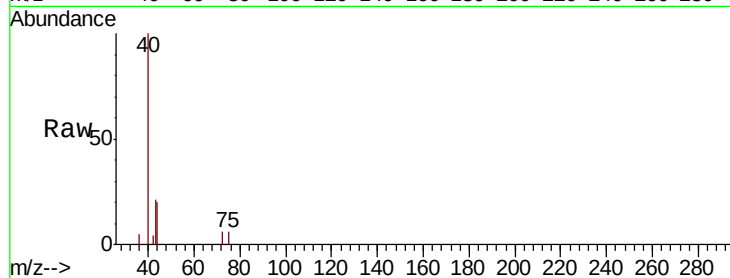




#25
2-Butanone
Concen: 0.375 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.00 min
Lab File: VX007831.D
Acq: 05 Mar 2019 12:35

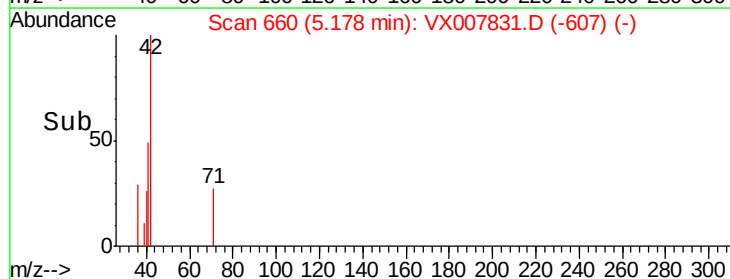
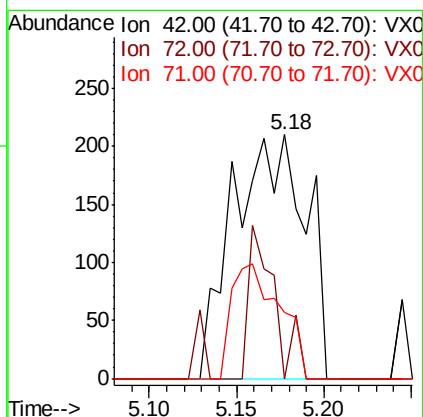
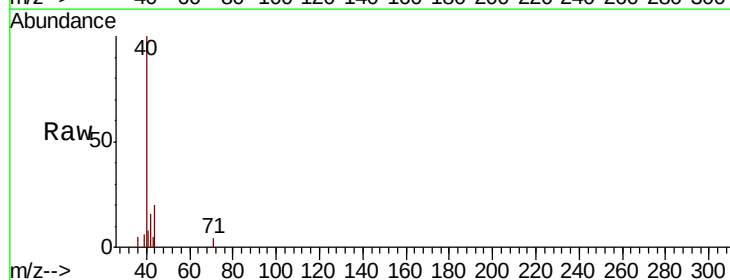
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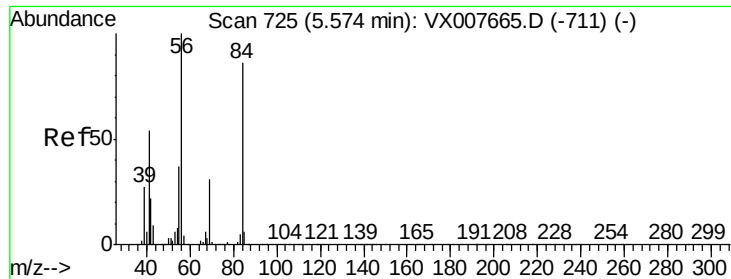
Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
72 30.1 22.2 33.2



#29
Tetrahydrofuran
Concen: 0.333 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX007831.D
Acq: 05 Mar 2019 12:35

Tgt Ion: 42 Resp: 607
Ion Ratio Lower Upper
42 100
72 22.2 37.6 56.4#
71 31.1 34.6 51.8#

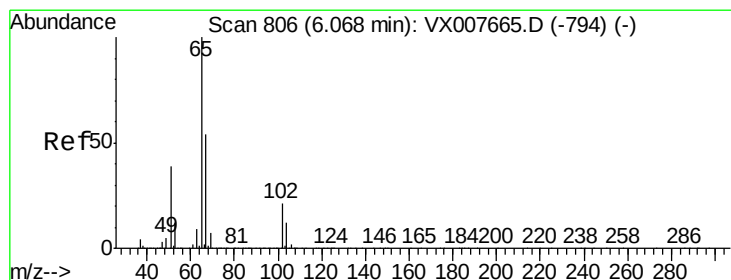
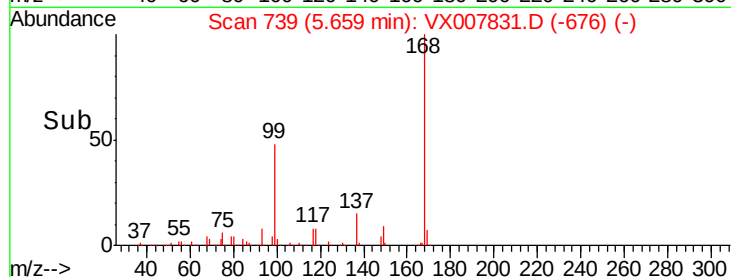
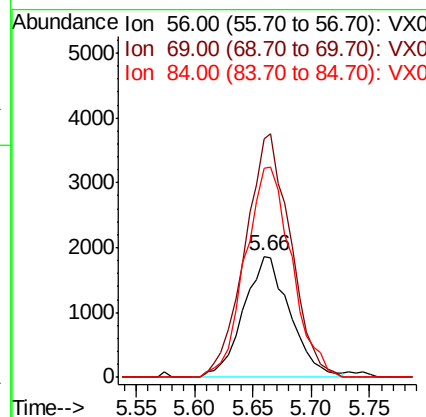
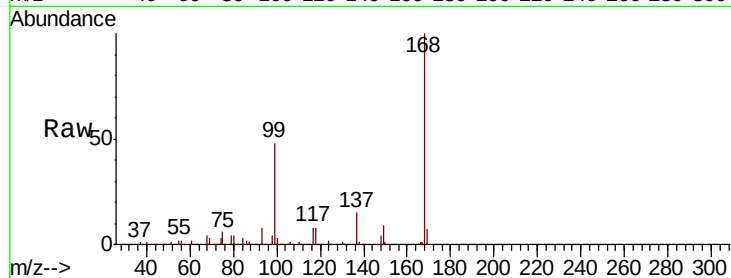




#31
Cyclohexane
Concen: 0.913 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007831.D
Acq: 05 Mar 2019 12:35

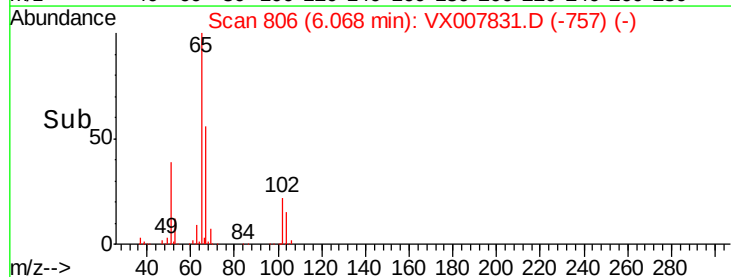
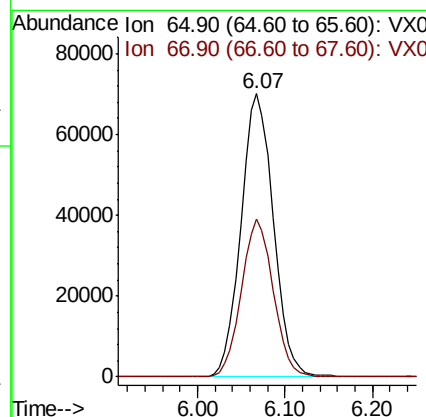
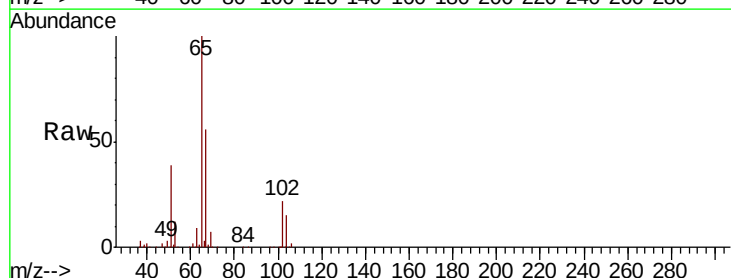
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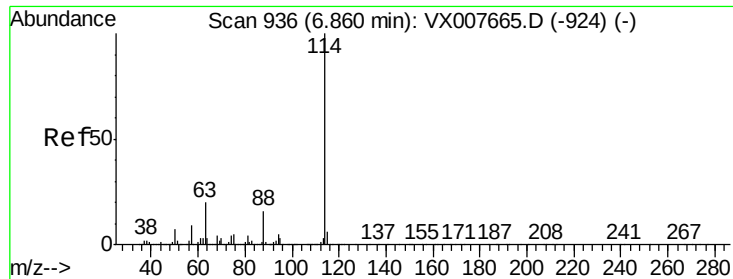
Tgt Ion: 56 Resp: 5181
Ion Ratio Lower Upper
56 100
69 198.1 23.0 34.6#
84 173.4 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 44.214 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007831.D
Acq: 05 Mar 2019 12:35

Tgt Ion: 65 Resp: 180493
Ion Ratio Lower Upper
65 100
67 54.9 0.0 108.8

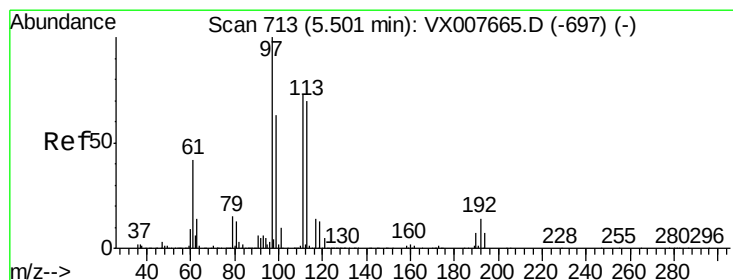
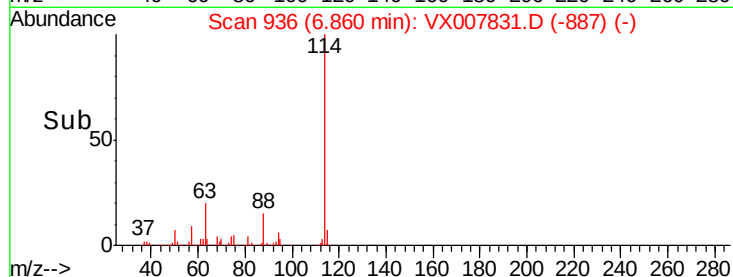
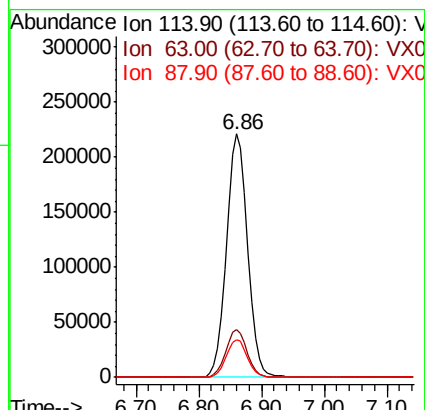
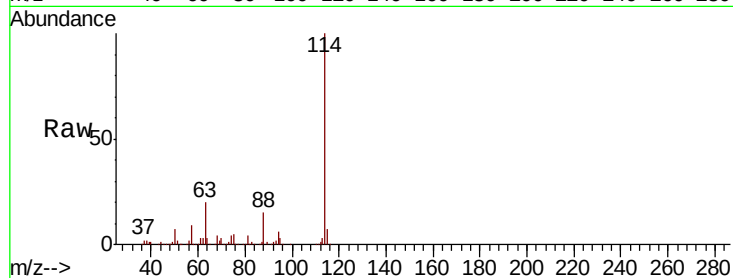




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007831.D
 Acq: 05 Mar 2019 12:35

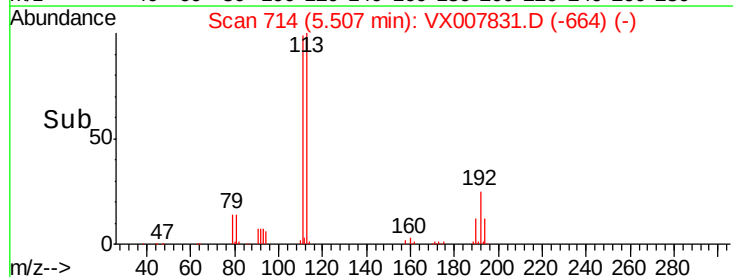
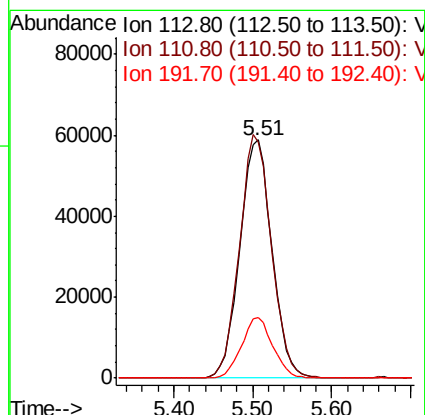
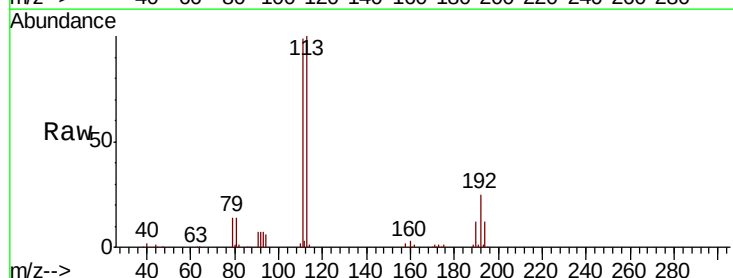
Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T0-UV(PRE)

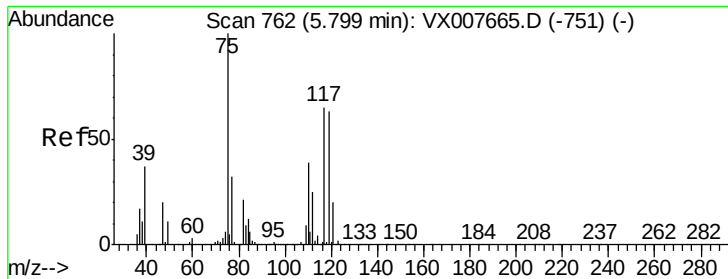
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	35.6
88	15.4	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 48.568 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007831.D
 Acq: 05 Mar 2019 12:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.8
192	24.7	18.5	27.7

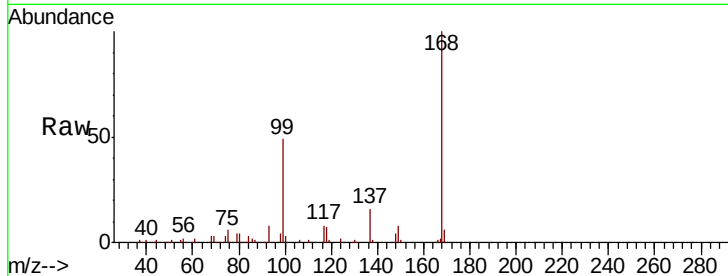




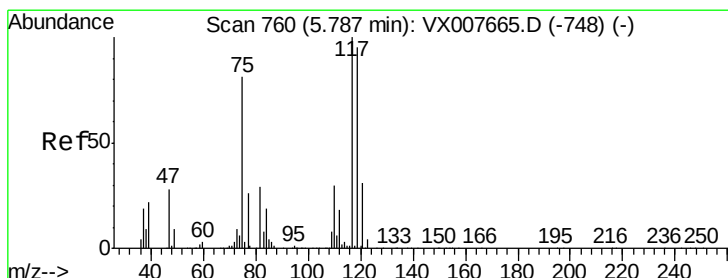
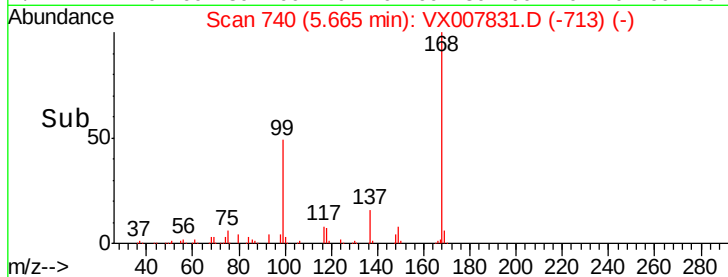
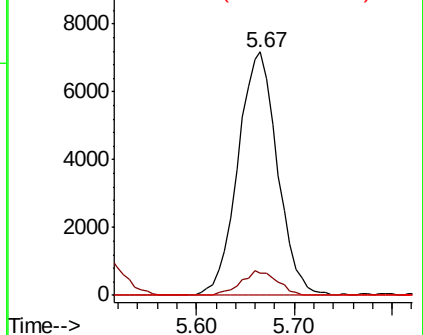
#36
 1,1-Dichloropropene
 Concen: 4.361 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007831.D
 Acq: 05 Mar 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T0-UV(PRE)

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	20.0	59.9#
77	0.0	24.7	37.1#

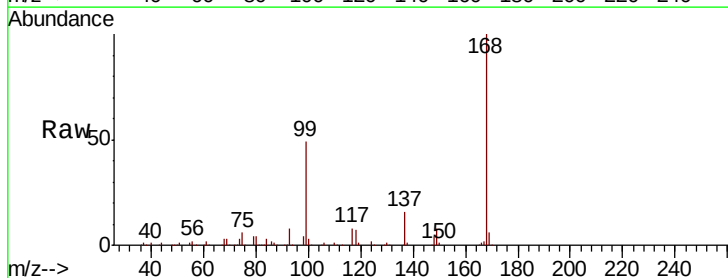


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

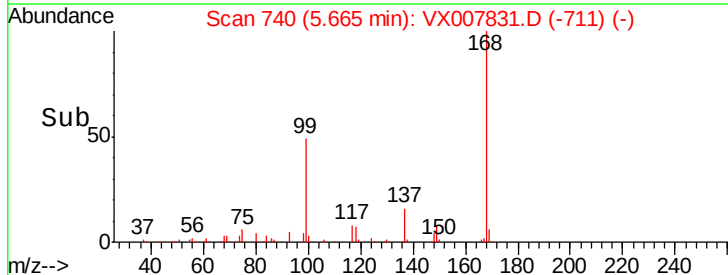
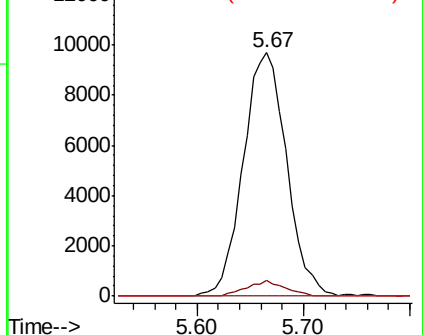


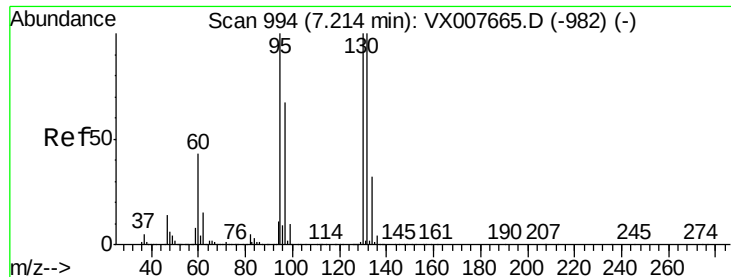
#38
 Carbon Tetrachloride
 Concen: 5.947 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX007831.D
 Acq: 05 Mar 2019 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	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: 1.443 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007831.D

Acq: 05 Mar 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

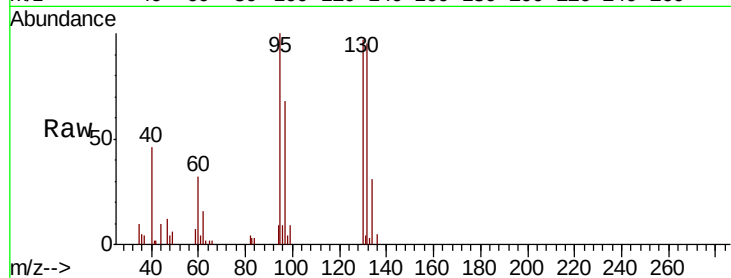
M2-T0-UV(PRE)

Tgt Ion:130 Resp: 5663

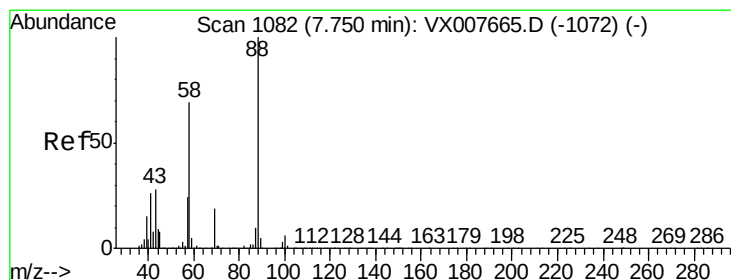
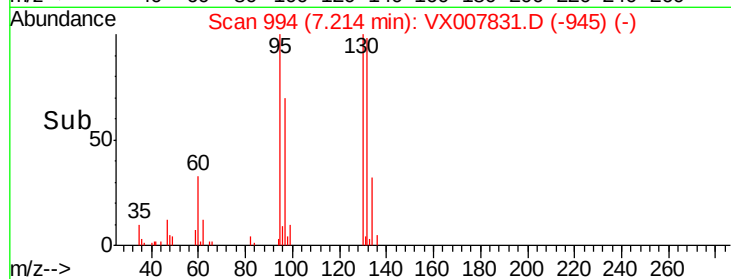
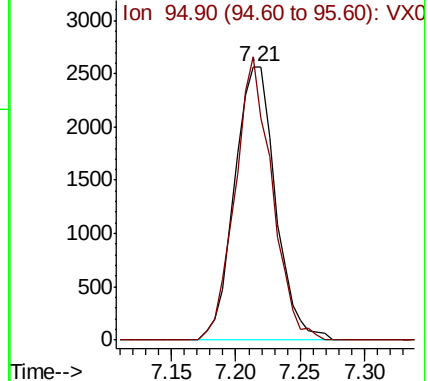
Ion Ratio Lower Upper

130 100

95 103.5 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): VX007831.D (-945) (-)



#49

1,4-Dioxane

Concen: 3.119 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007831.D

Acq: 05 Mar 2019 12:35

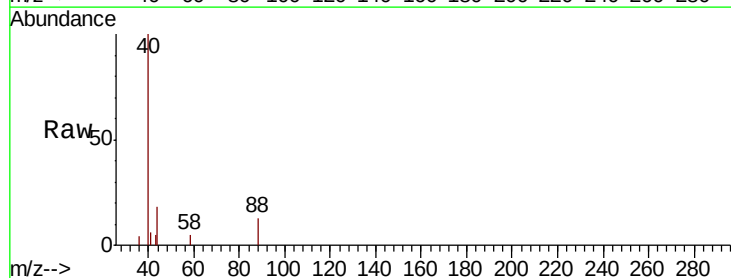
Tgt Ion: 88 Resp: 279

Ion Ratio Lower Upper

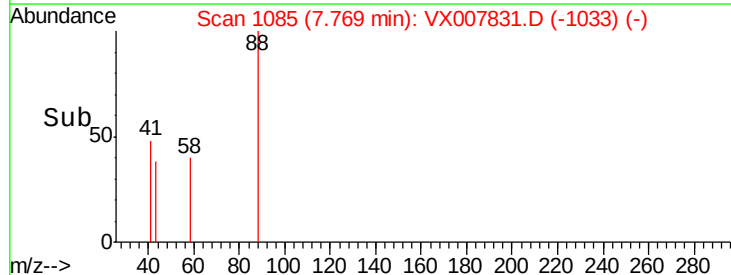
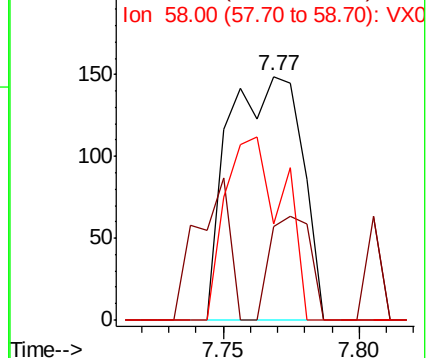
88 100

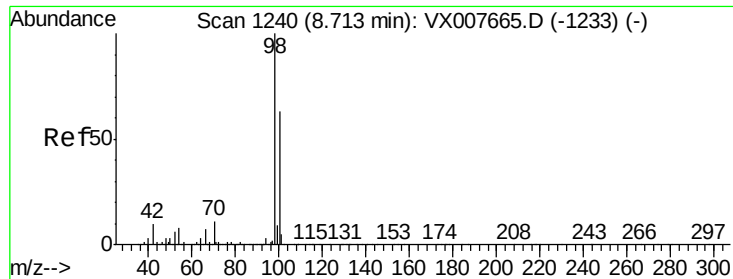
43 23.3 24.2 36.4#

58 58.4 53.0 79.4



Abundance Ion 88.00 (87.70 to 88.70): VX007831.D (-1033) (-)





#50

Toluene-d8

Concen: 46.945 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007831.D

Acq: 05 Mar 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

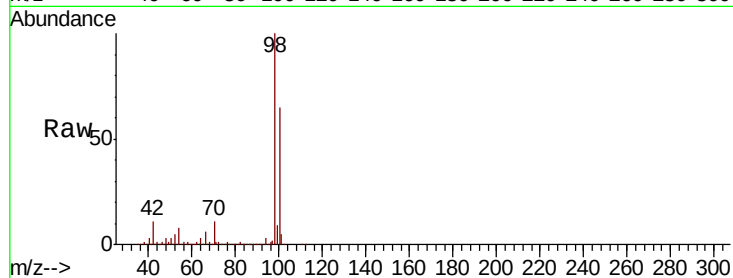
M2-T0-UV(PRE)

Tgt Ion: 98 Resp: 617606

Ion Ratio Lower Upper

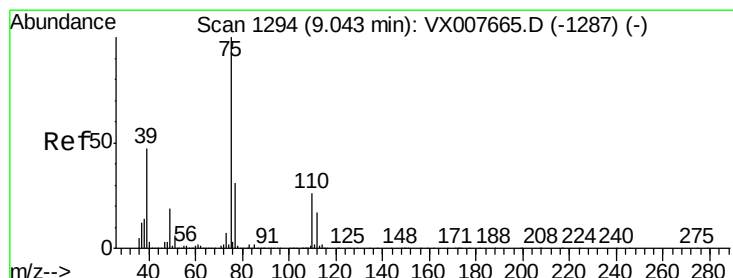
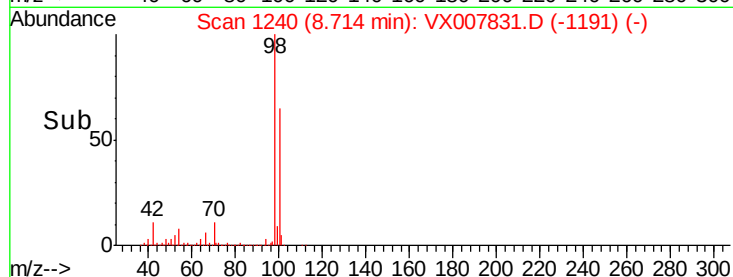
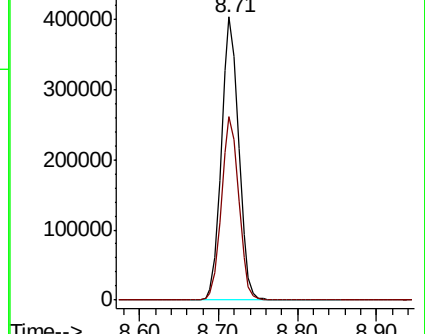
98 100

100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.807 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX007831.D

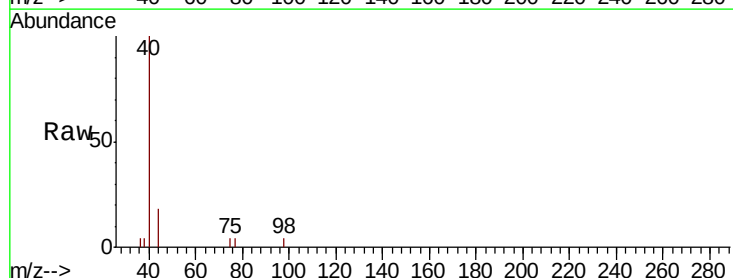
Acq: 05 Mar 2019 12:35

Tgt Ion: 75 Resp: 23

Ion Ratio Lower Upper

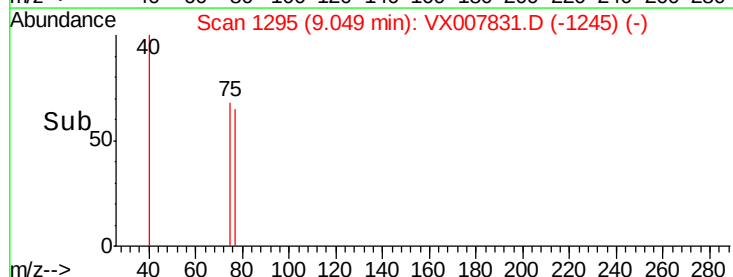
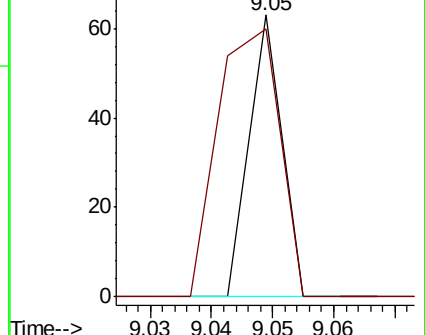
75 100

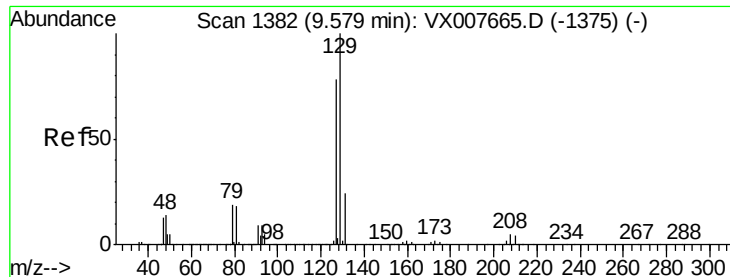
77 95.2 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

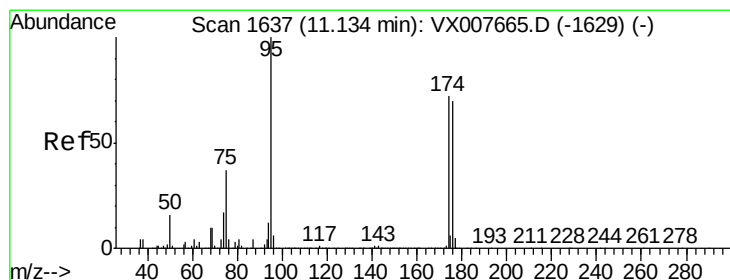
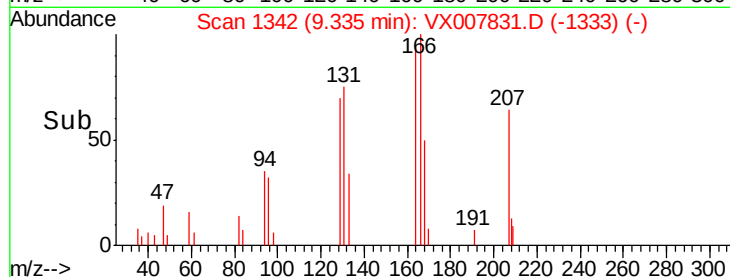
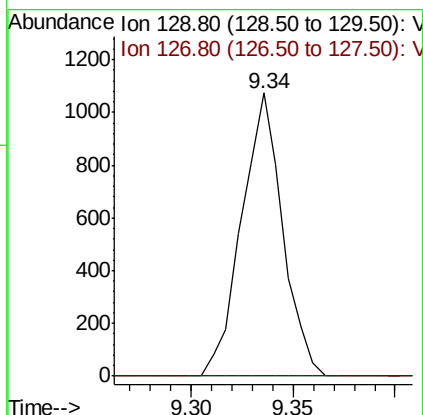
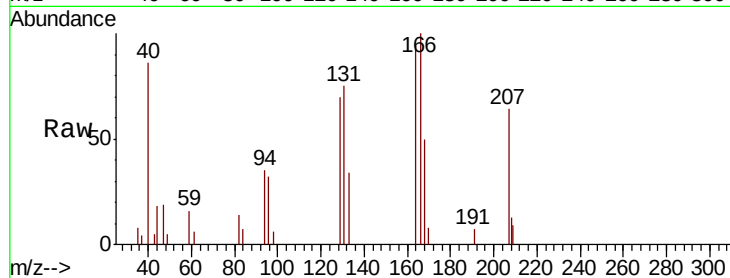




#60
 Dibromochloromethane
 Concen: 0.415 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX007831.D
 Acq: 05 Mar 2019 12:35

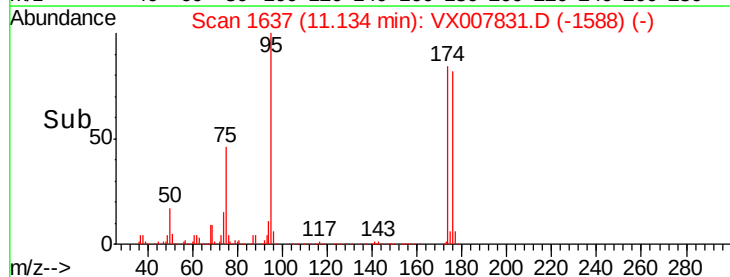
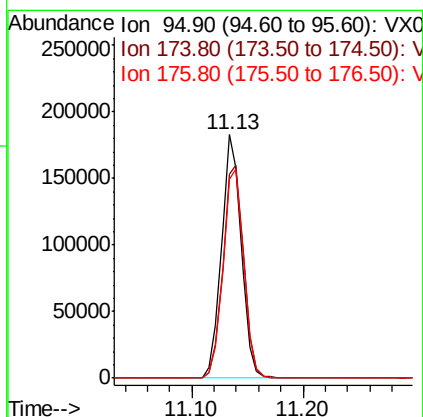
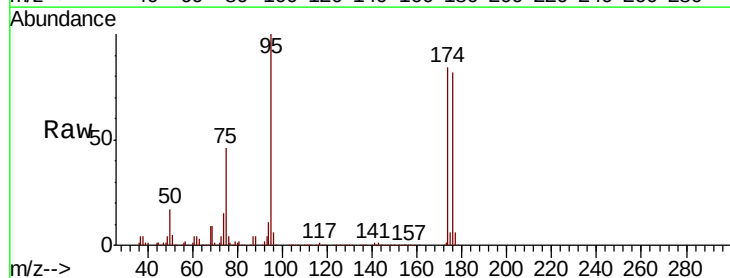
Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T0-UV(PRE)

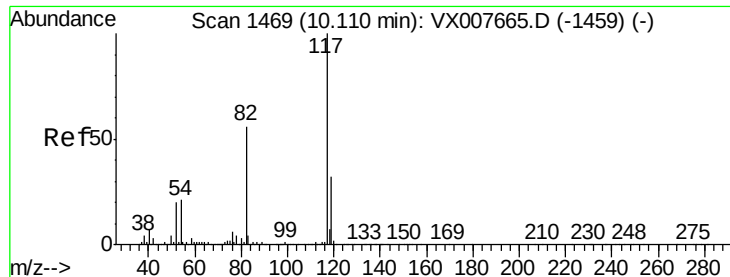
Tgt Ion:129 Resp: 1498
 Ion Ratio Lower Upper
 129 100
 127 0.0 37.8 113.4#



#62
 4-Bromofluorobenzene
 Concen: 46.420 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX007831.D
 Acq: 05 Mar 2019 12:35

Tgt Ion: 95 Resp: 224147
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 189.2
 176 89.7 0.0 186.2

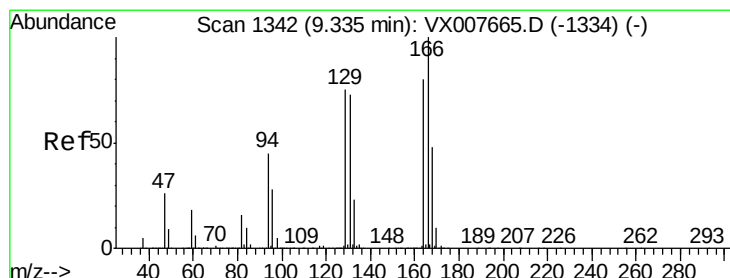
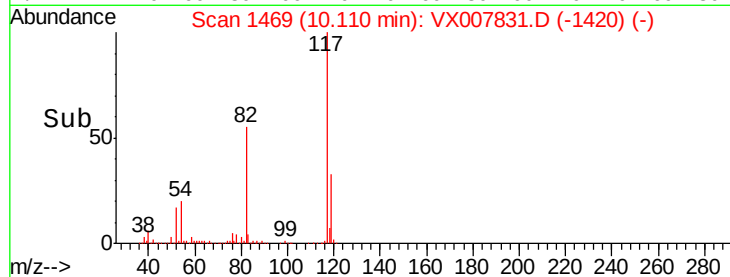
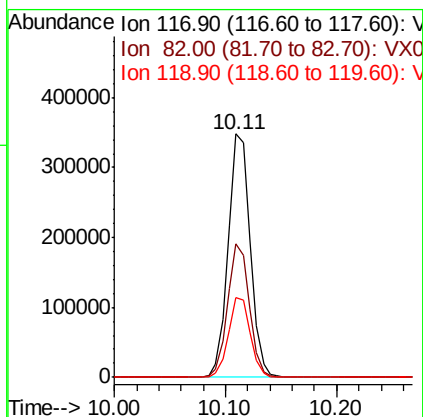
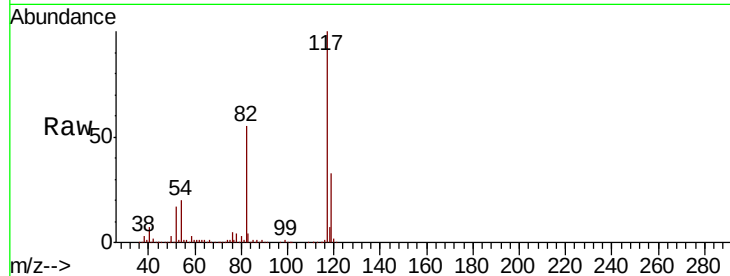




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007831.D
Acq: 05 Mar 2019 12:35

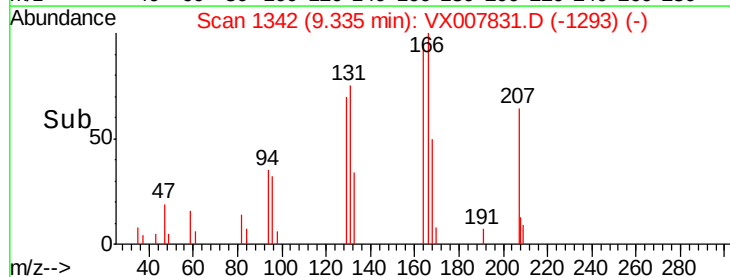
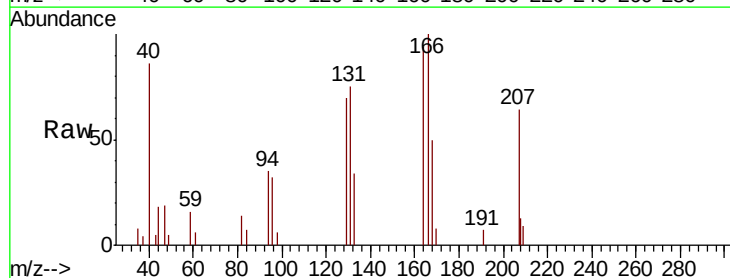
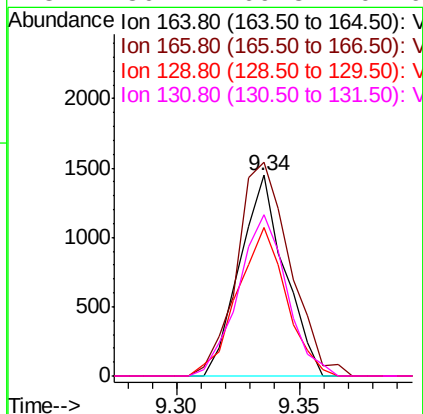
Instrument :
MSVOA_X
ClientSampleId :
M2-T0-UV(PRE)

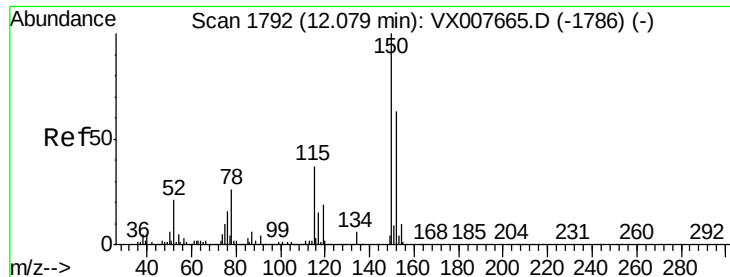
Tgt Ion:117 Resp: 477297
Ion Ratio Lower Upper
117 100
82 55.1 42.1 63.1
119 32.7 26.5 39.7



#64
Tetrachloroethene
Concen: 0.481 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007831.D
Acq: 05 Mar 2019 12:35

Tgt Ion:164 Resp: 1862
Ion Ratio Lower Upper
164 100
166 106.6 101.0 151.4
129 74.2 70.5 105.7
131 80.2 69.8 104.6

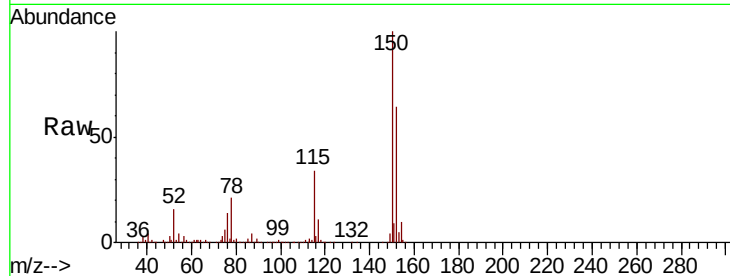




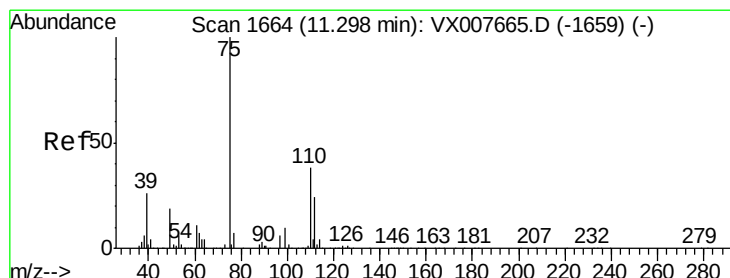
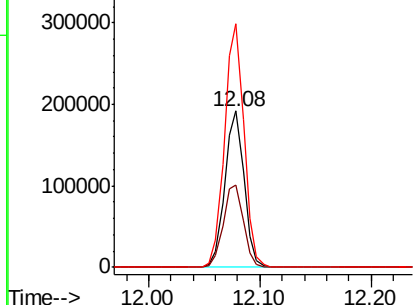
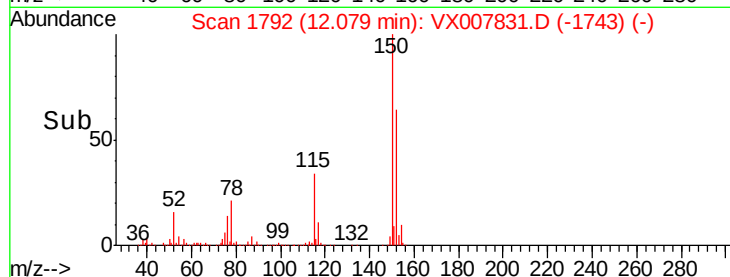
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX007831.D
 Acq: 05 Mar 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T0-UV(PRE)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.0	114.0
150	157.4	0.0	346.4

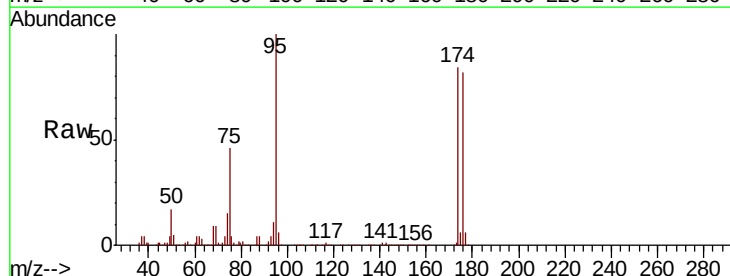


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

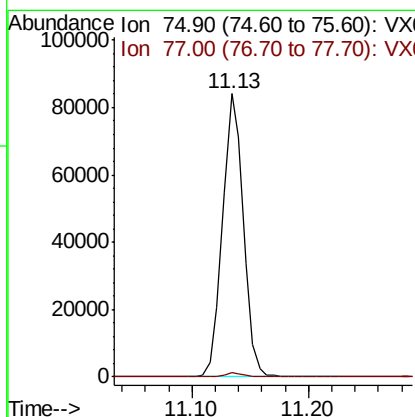
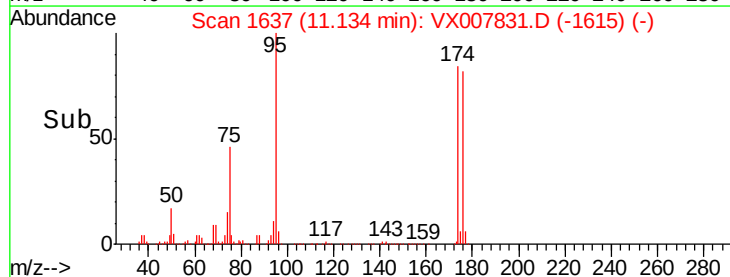


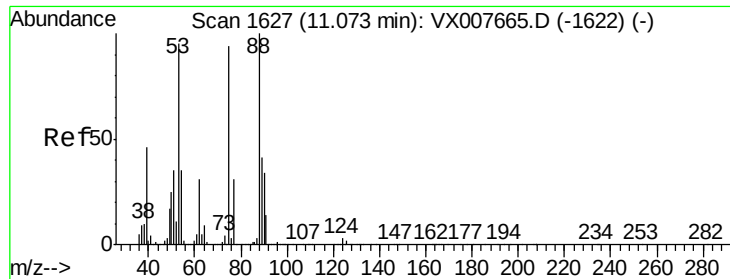
#76
 1,2,3-Trichloropropane
 Concen: 21.221 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007831.D
 Acq: 05 Mar 2019 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	23.0	69.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.454 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007831.D

Acq: 05 Mar 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

M2-T0-UV(PRE)

Tgt Ion: 75 Resp: 103658

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

