

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122118\
 Data File : VX006733.D
 Acq On : 21 Dec 2018 19:30
 Operator : JC/MD
 Sample : J6484-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 963-MW-01(23)DL

Quant Time: Dec 22 04:06:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

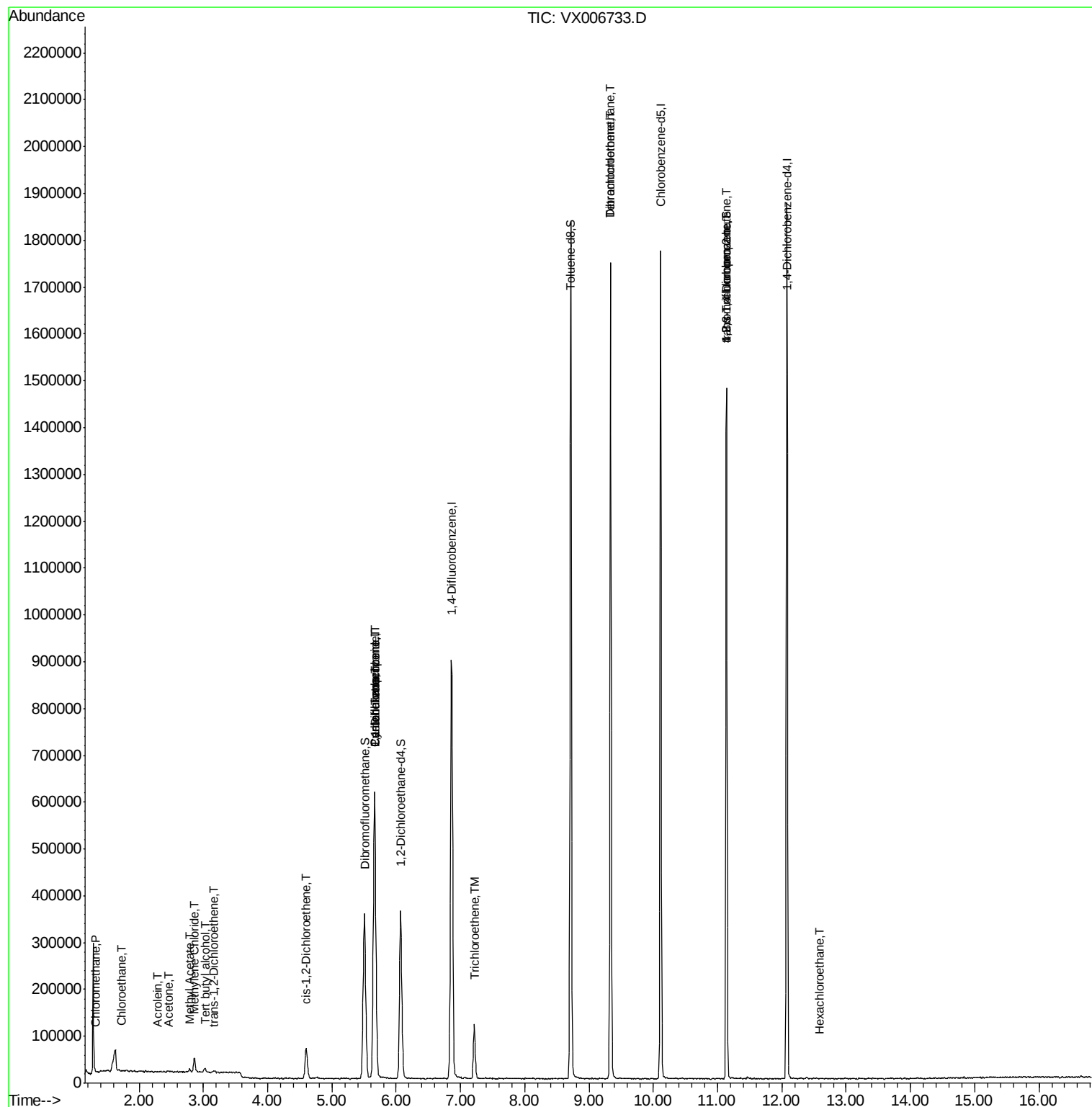
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	620056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	966110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	862267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	401006	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	333501	49.91	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	5.51	113	297525	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	8.71	98	1122329	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.14	95	394351	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1785	0.292	ug/l	98
5) Bromomethane	1.63	94	494	Below Cal	#	48
6) Chloroethane	1.74	64	1061	0.240	ug/l #	67
11) Tert butyl alcohol	3.02	59	5406	3.625	ug/l #	78
13) Acrolein	2.29	56	302	0.300	ug/l #	73
16) Acetone	2.45	43	2144	0.698	ug/l	96
18) Methyl Acetate	2.78	43	7624	0.844	ug/l	97
20) Methylene Chloride	2.86	84	14339	2.259	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	1949	0.318	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	43790	6.466	ug/l	93
28) Bromochloromethane	5.04	49	310	Below Cal	#	9
31) Cyclohexane	5.67	56	10958	1.184	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	40428	5.052	ug/l #	49
38) Carbon Tetrachloride	5.67	117	57920	7.448	ug/l #	14
44) Trichloroethene	7.22	130	45135	6.131	ug/l	91
49) 1,4-Dioxane	7.75	88	60	Below Cal	#	1
60) Dibromochloromethane	9.34	129	315469	47.041	ug/l #	10
64) Tetrachloroethene	9.34	164	341525	50.019	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	184657	24.778	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	184657	73.257	ug/l #	10
90) Hexachloroethane	12.58	117	105	3.319	ug/l	58

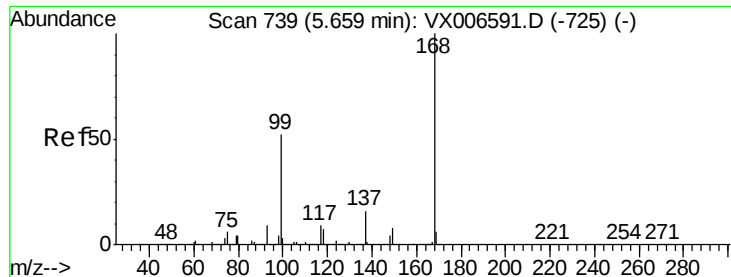
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
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: VX006733.D

Acq: 21 Dec 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

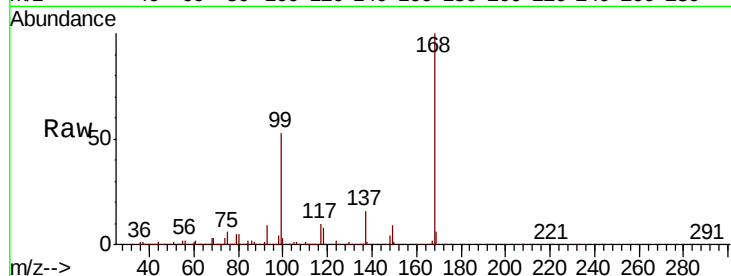
963-MW-01(23)DL

Tot Ion:168 Resp: 620056

Ion Ratio Lower Upper

168 100

99 53.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

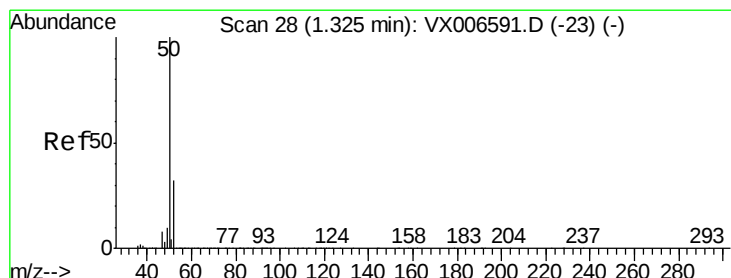
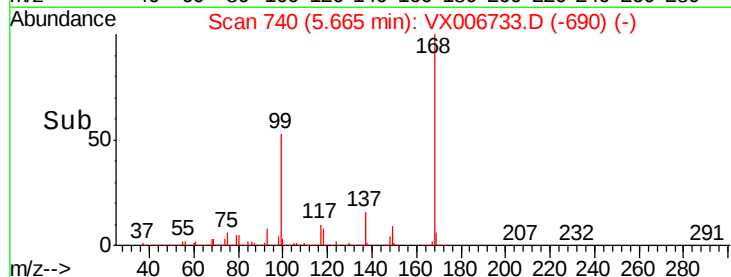
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.292 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006733.D

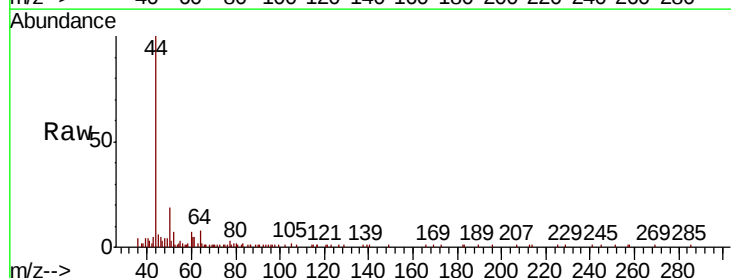
Acq: 21 Dec 2018 19:30

Tgt Ion: 50 Resp: 1785

Ion Ratio Lower Upper

50 100

52 30.7 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

1500

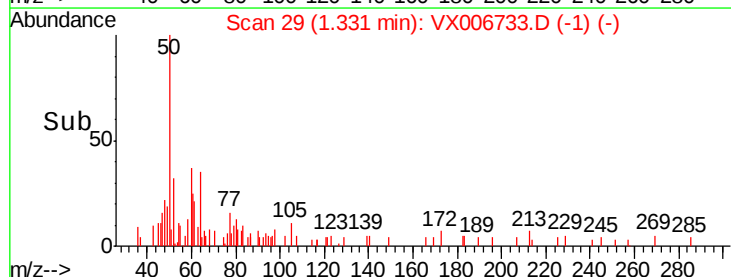
1000

500

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

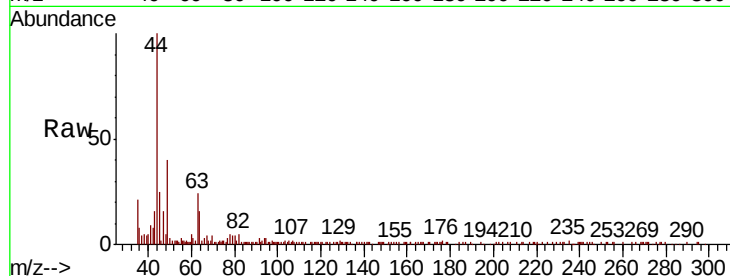
963-MW-01(23)DL

Tot Ion: 94 Resp: 494

Ion Ratio Lower Upper

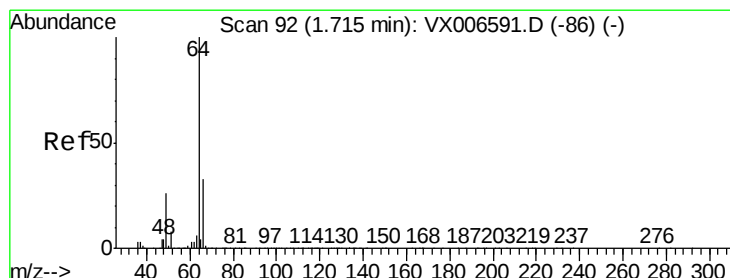
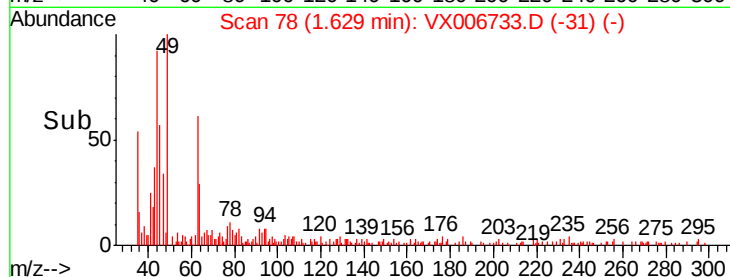
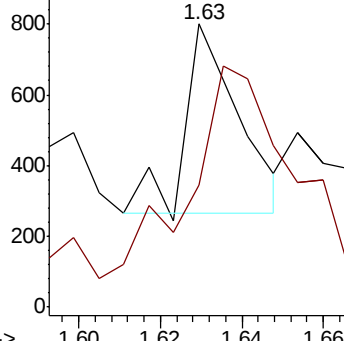
94 100

96 42.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.240 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX006733.D

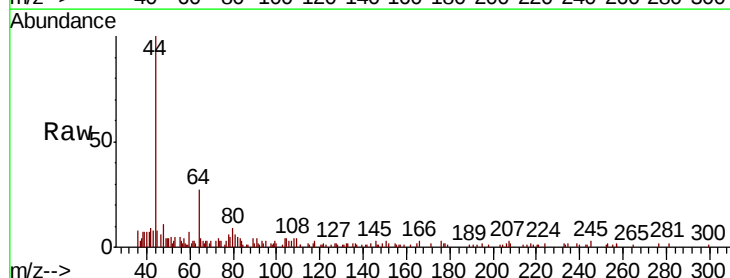
Acq: 21 Dec 2018 19:30

Tgt Ion: 64 Resp: 1061

Ion Ratio Lower Upper

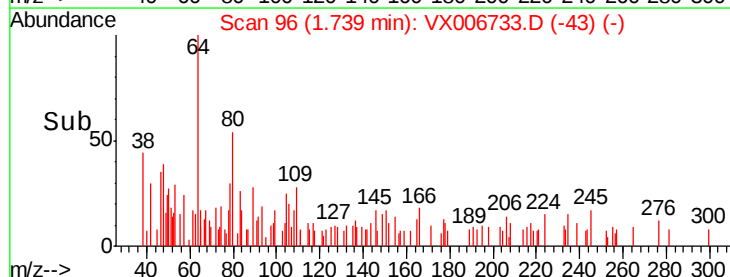
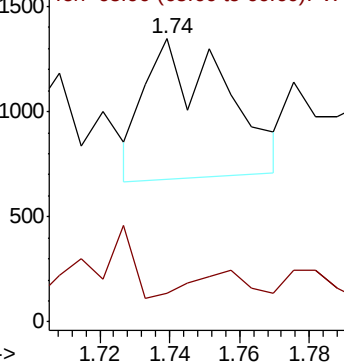
64 100

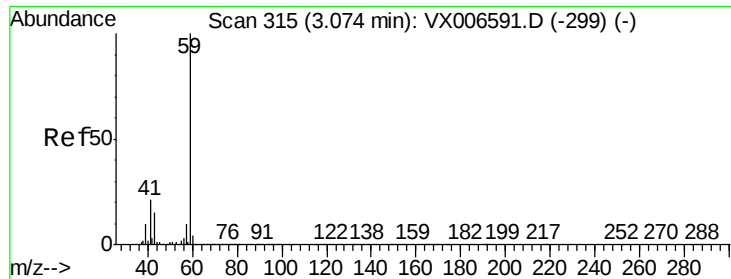
66 14.4 26.4 39.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



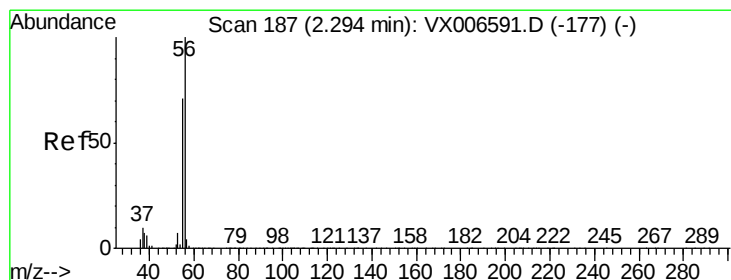
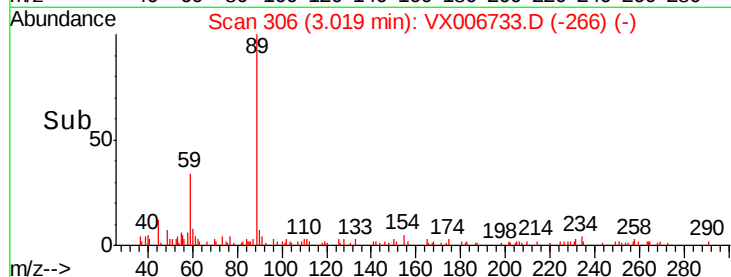
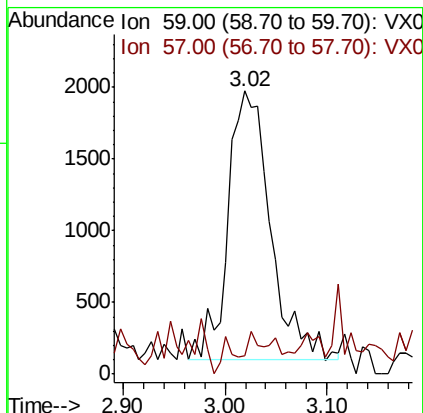
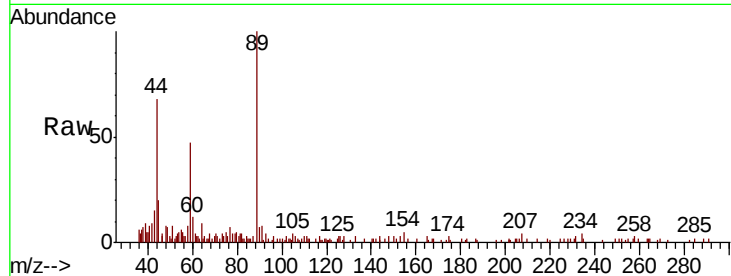


#11

Tert butyl alcohol
Concen: 3.625 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

Instrument :
MSVOA_X
ClientSampleId :
963-MW-01(23)DL

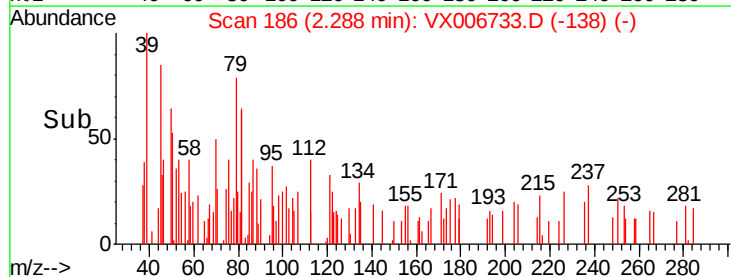
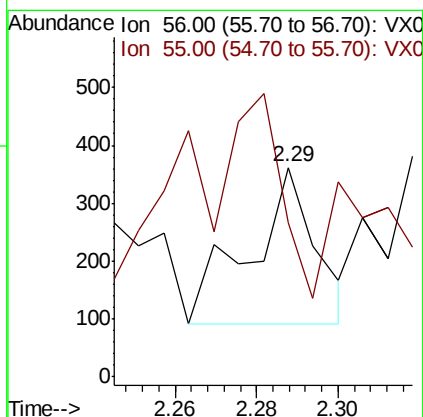
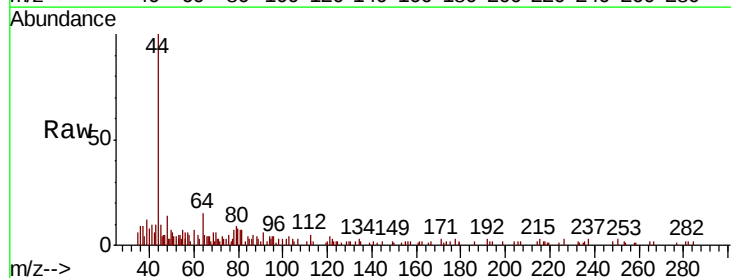
Tot Ion: 59 Resp: 5406
Ion Ratio Lower Upper
59 100
57 2.3 8.5 12.7#

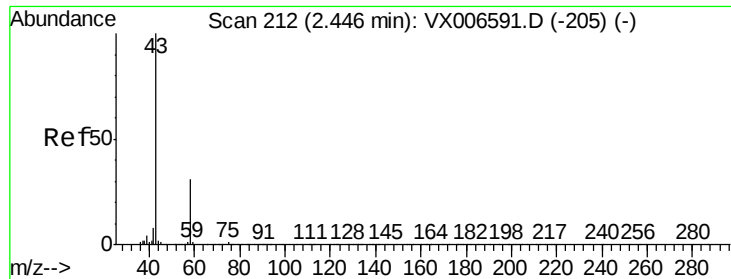


#13

Acrolein
Concen: 0.300 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

Tgt Ion: 56 Resp: 302
Ion Ratio Lower Upper
56 100
55 95.4 58.2 87.4#

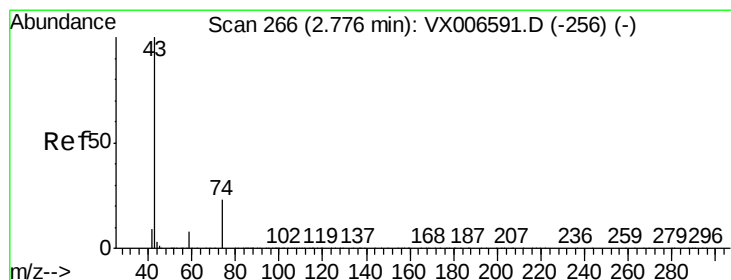
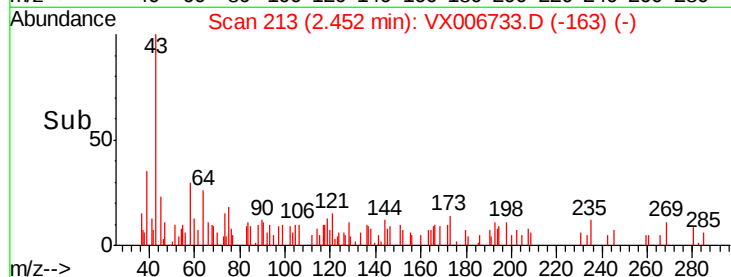
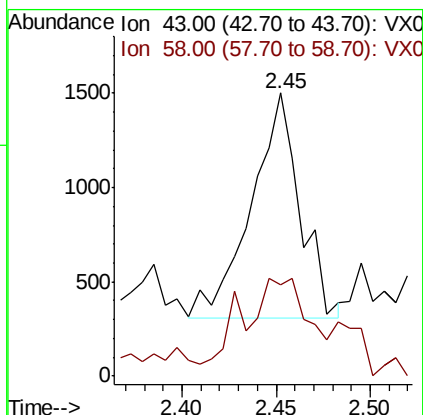
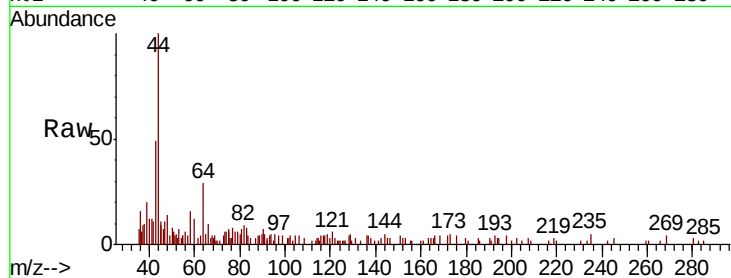




#16
Acetone
Concen: 0.698 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

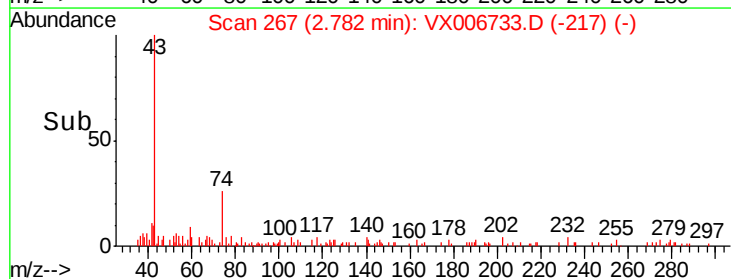
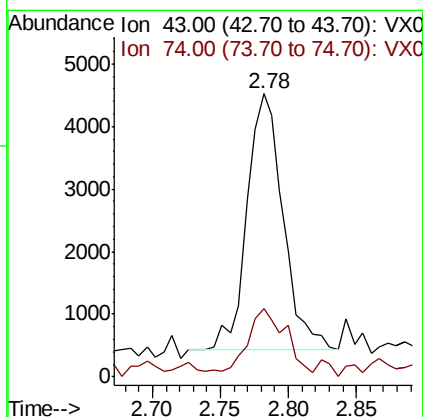
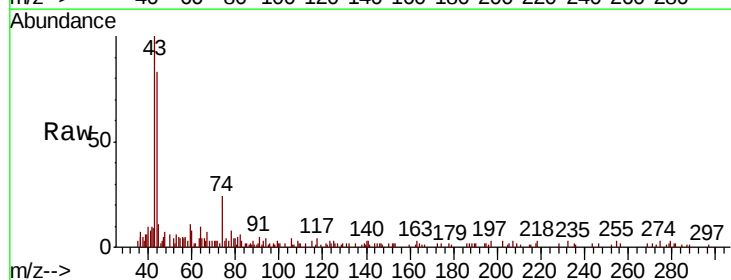
Instrument :
MSVOA_X
ClientSampleId :
963-MW-01(23)DL

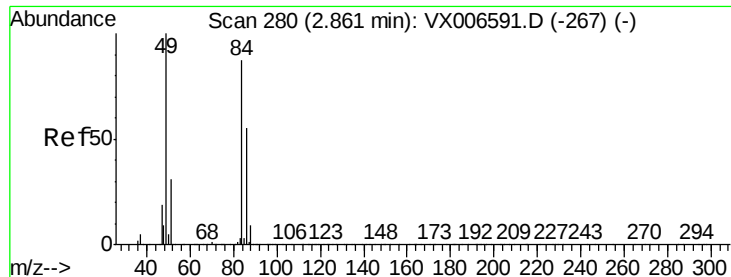
Tot Ion: 43 Resp: 2144
Ion Ratio Lower Upper
43 100
58 33.3 25.0 37.6



#18
Methyl Acetate
Concen: 0.844 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

Tgt Ion: 43 Resp: 7624
Ion Ratio Lower Upper
43 100
74 24.9 18.6 28.0

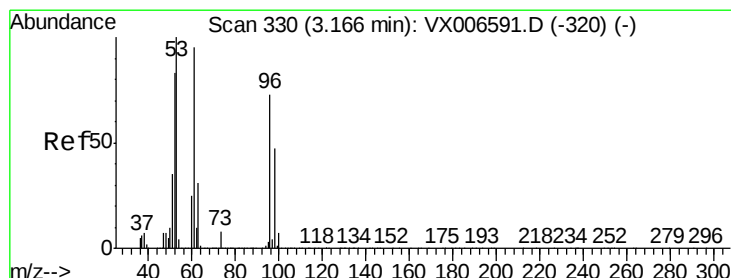
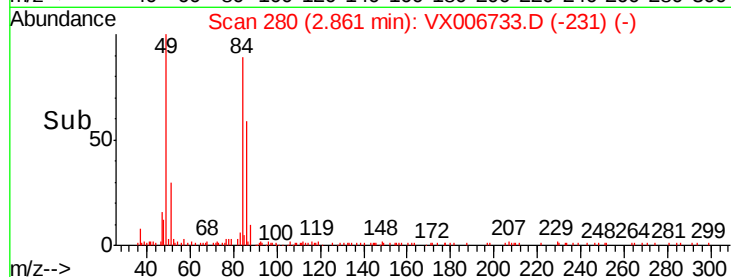
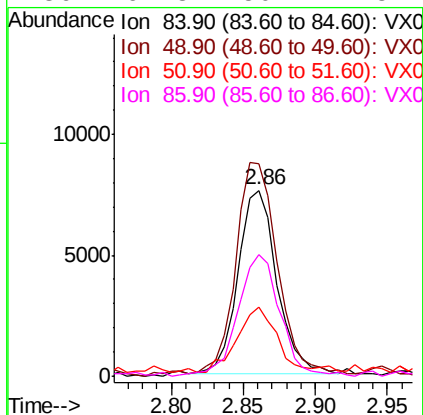
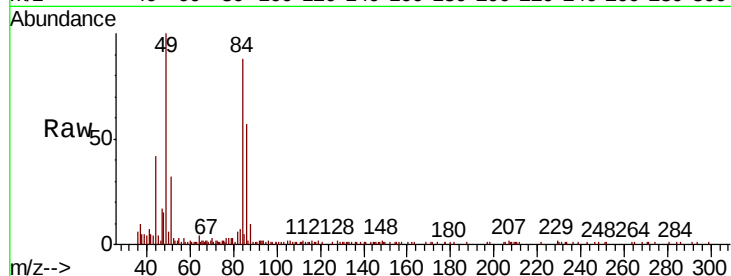




#20
Methvlene Chloride
Concen: 2.259 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

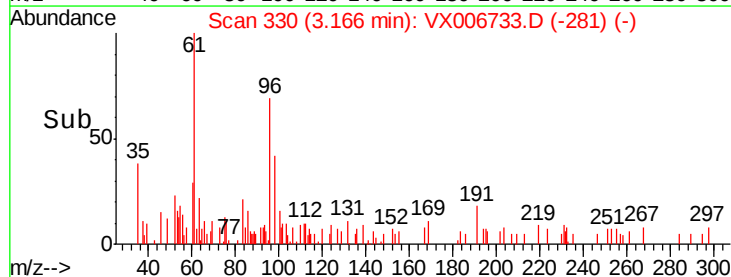
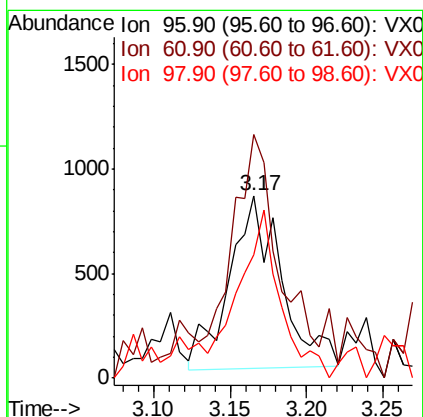
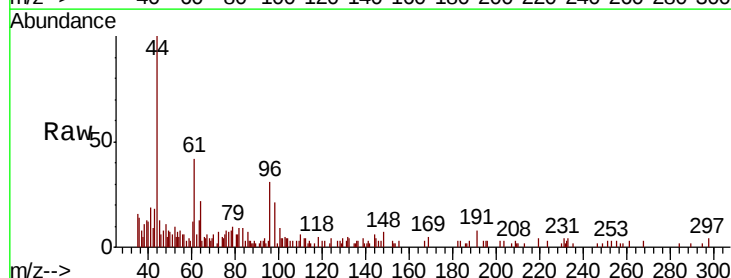
Instrument :
MSVOA_X
ClientSampleId :
963-MW-01(23)DL

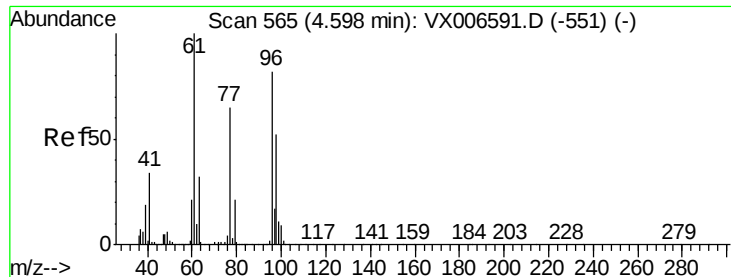
Tot Ion:	84	Resp:	14339
Ion	Ratio	Lower	Upper
84	100		
49	114.0	91.8	137.6
51	34.5	28.5	42.7
86	64.8	50.2	75.2



#21
trans-1,2-Dichloroethene
Concen: 0.318 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

Tgt Ion:	96	Resp:	1949
Ion	Ratio	Lower	Upper
96	100		
61	118.3	103.7	155.5
98	64.1	51.0	76.6



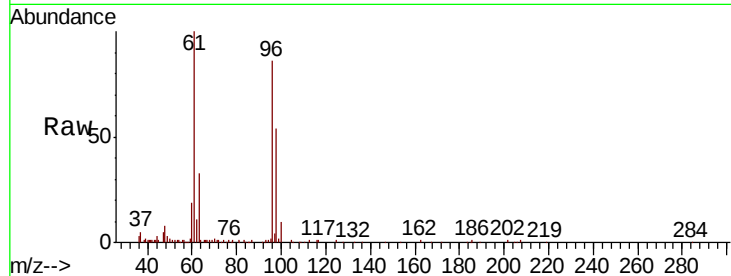


#27

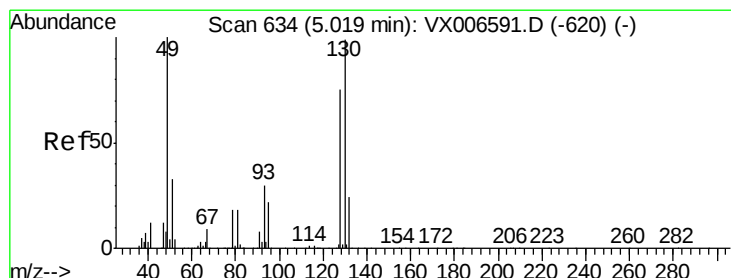
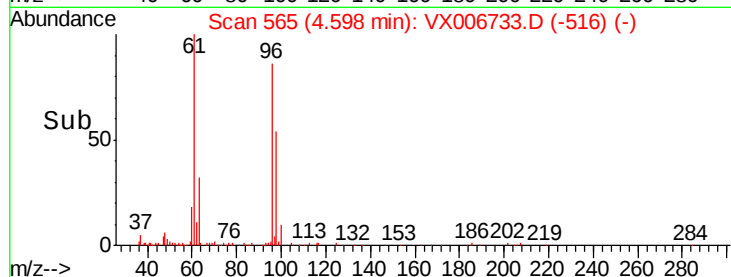
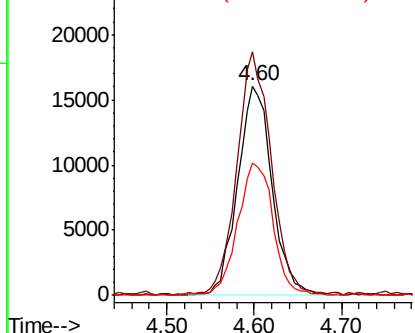
cis-1,2-Dichloroethene
 Concen: 6.466 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006733.D
 Acq: 21 Dec 2018 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 963-MW-01(23)DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.2	0.0	258.6
98	64.7	0.0	132.0



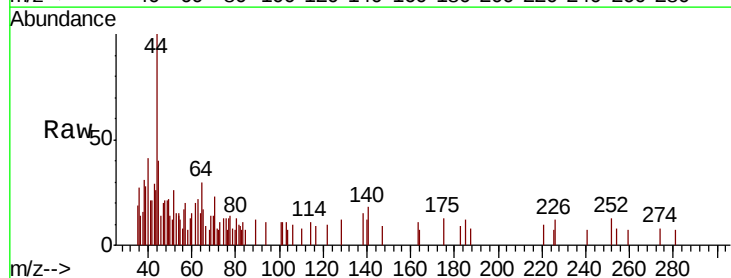
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



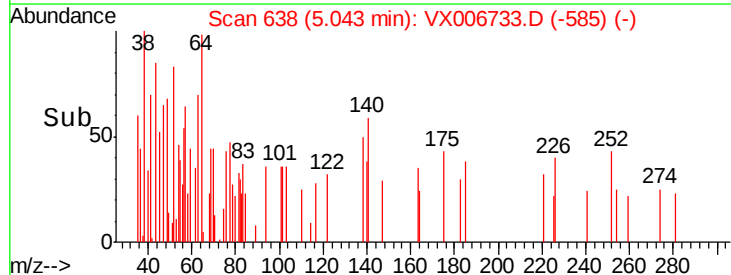
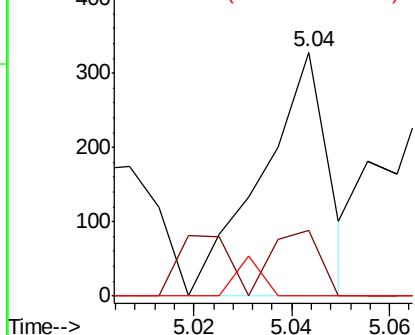
#28

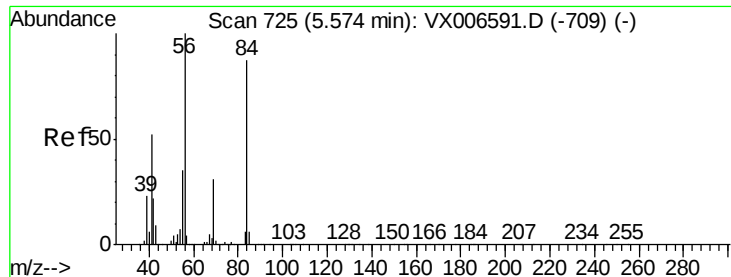
Bromochloromethane
 Concen: Below Cal
 RT: 5.04 min Scan# 638
 Delta R.T. 0.02 min
 Lab File: VX006733.D
 Acq: 21 Dec 2018 19:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	19.7	0.0	5.4#
130	6.1	77.7	116.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

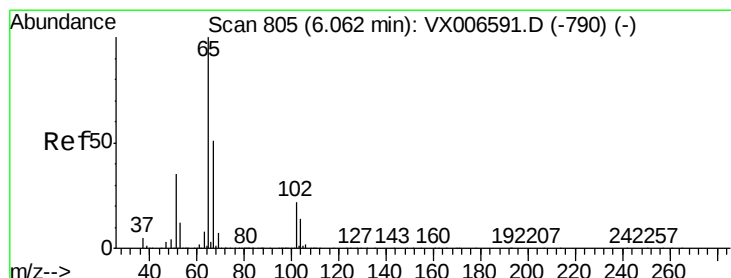
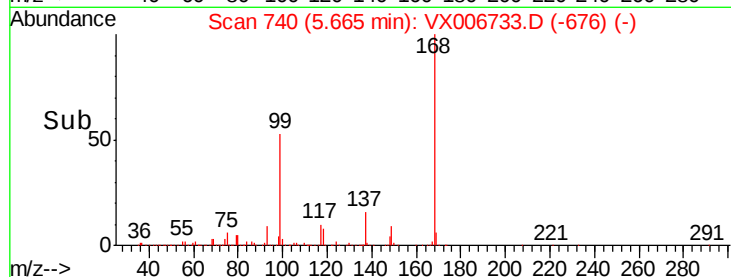
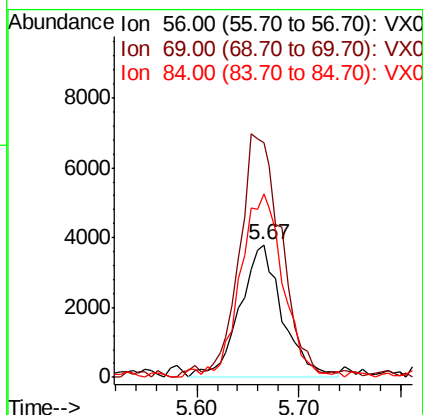
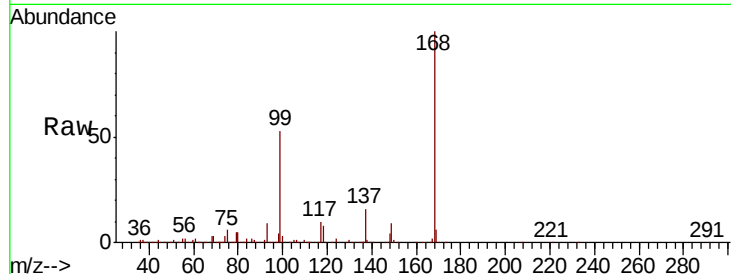




#31
Cyclohexane
Concen: 1.184 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

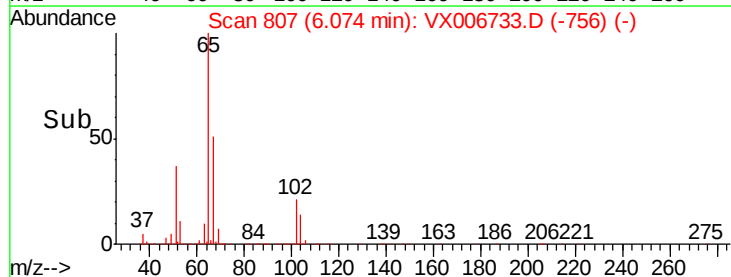
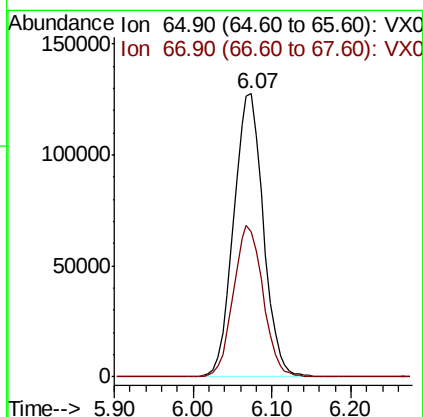
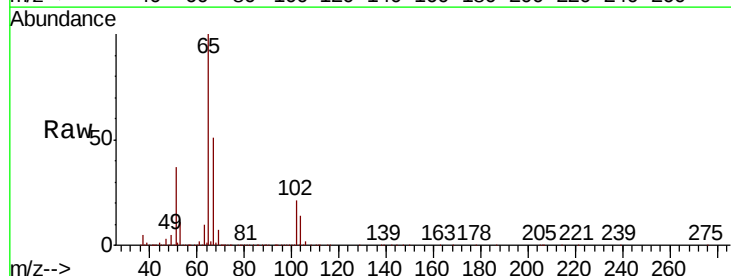
Instrument :
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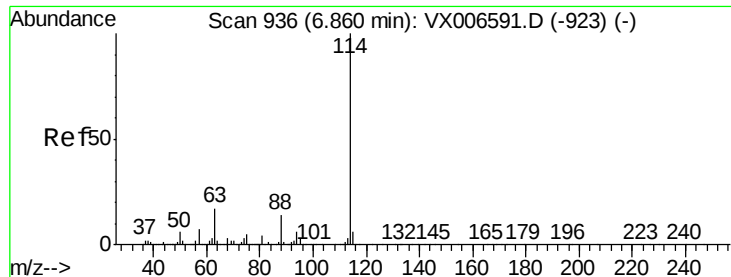
Tot Ion: 56 Resp: 10958
Ion Ratio Lower Upper
56 100
69 179.0 24.4 36.6#
84 138.7 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.905 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

Tgt Ion: 65 Resp: 333501
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

963-MW-01(23)DL

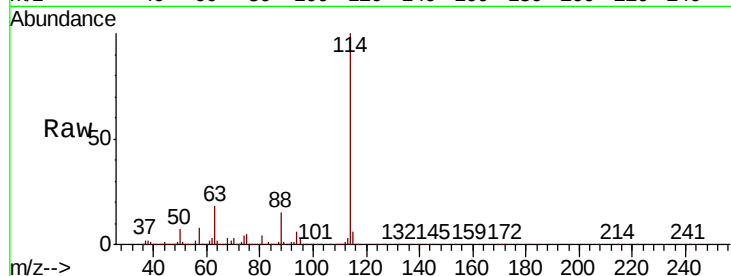
Tot Ion:114 Resp: 966110

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.8

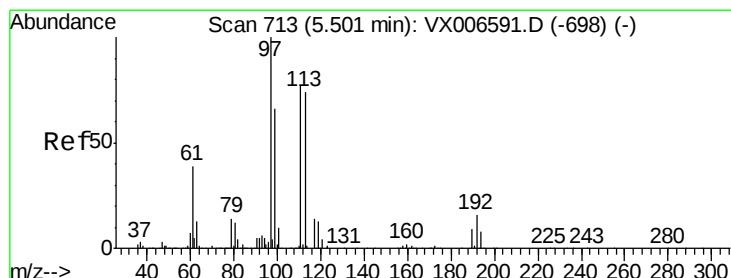
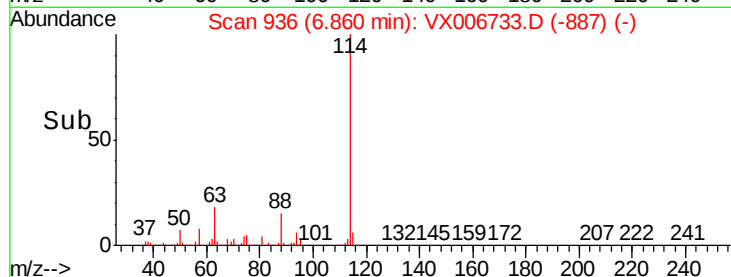
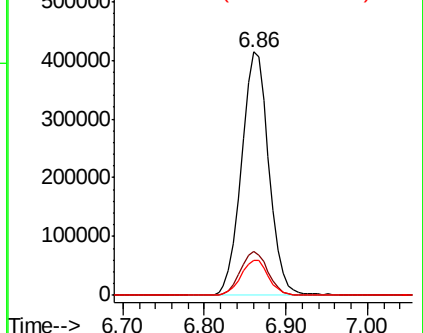
88 14.6 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.699 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

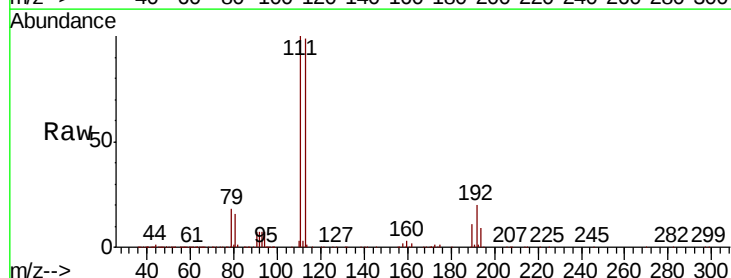
Tgt Ion:113 Resp: 297525

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

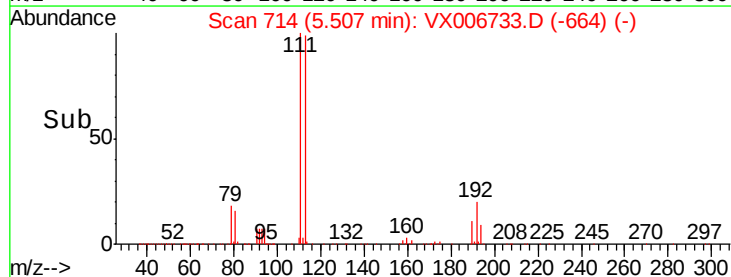
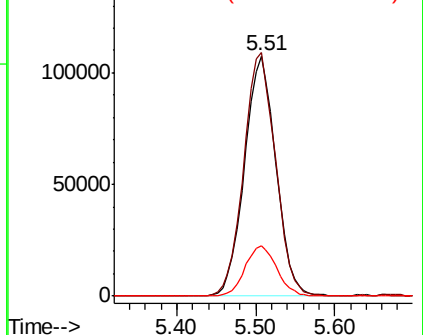
192 21.2 16.7 25.1

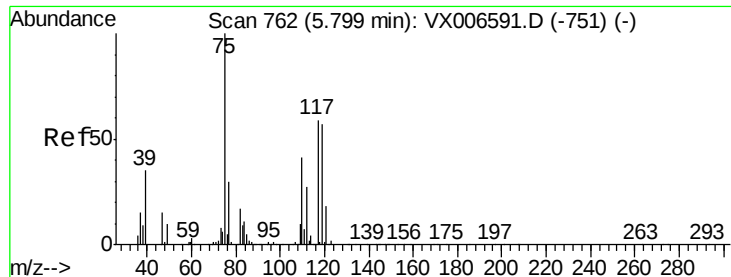


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.052 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

963-MW-01(23)DL

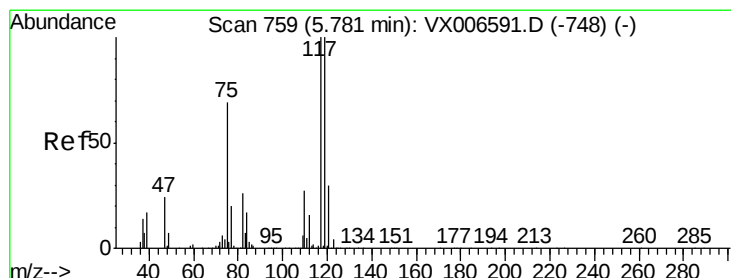
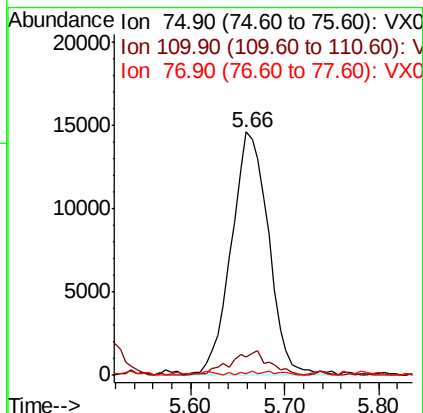
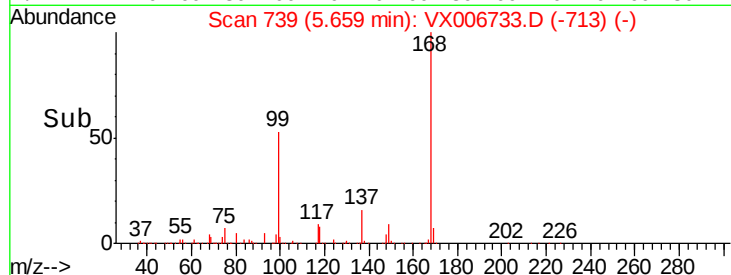
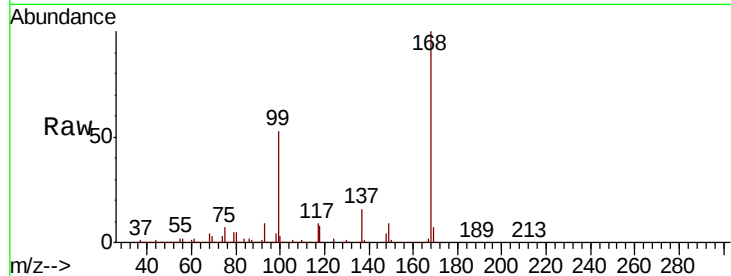
Tot Ion: 75 Resp: 40428

Ion Ratio Lower Upper

75 100

110 10.5 20.2 60.5#

77 0.7 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.448 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

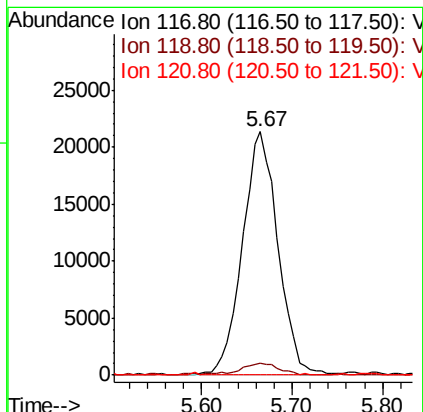
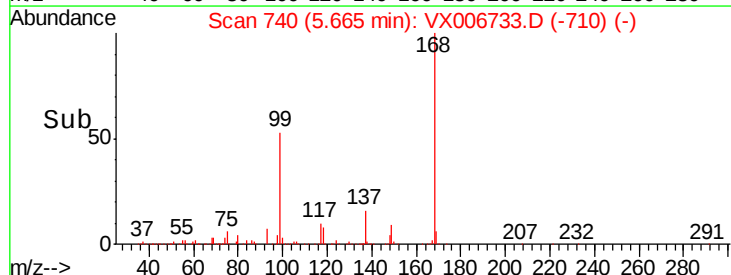
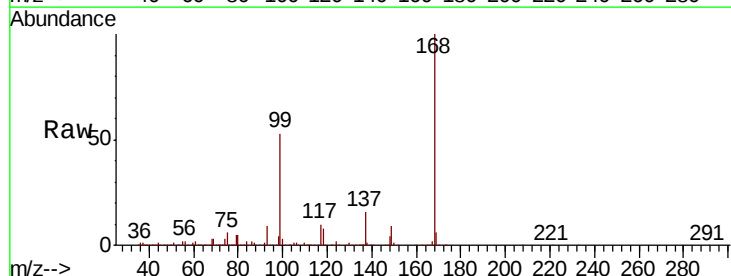
Tgt Ion: 117 Resp: 57920

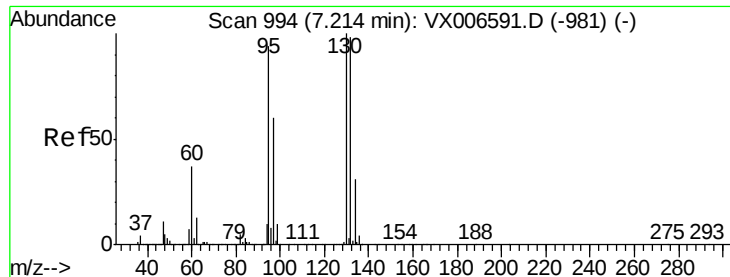
Ion Ratio Lower Upper

117 100

119 4.2 79.4 119.2#

121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 6.131 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

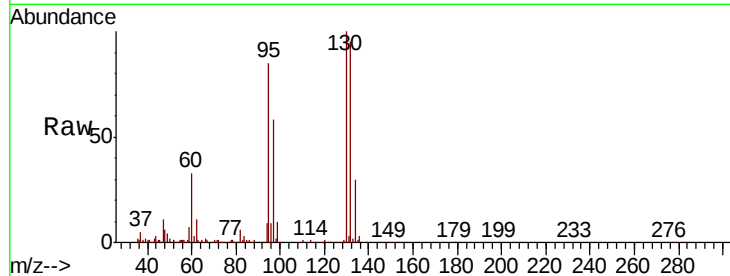
963-MW-01(23)DL

Tot Ion:130 Resp: 45135

Ion Ratio Lower Upper

130 100

95 84.5 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

25000

20000

15000

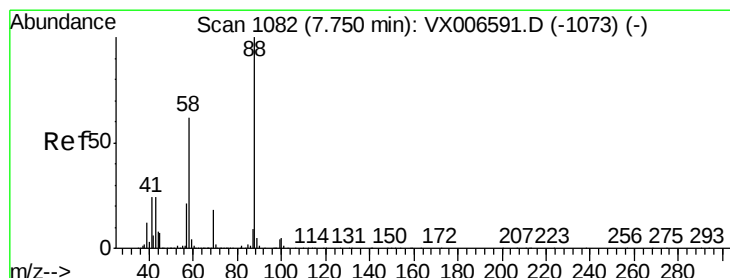
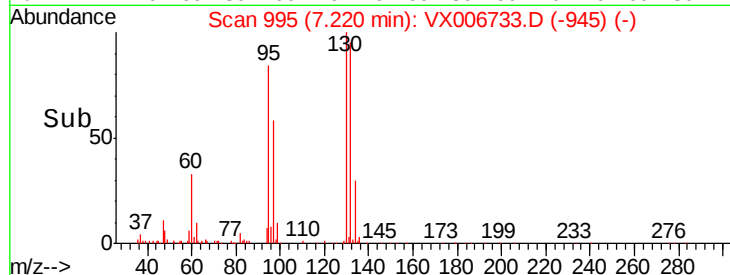
10000

5000

0

7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

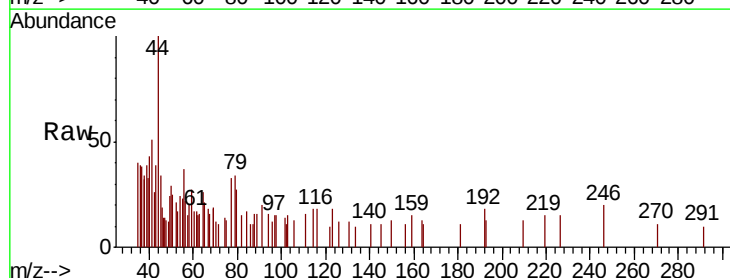
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 490.0 51.0 76.4#



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

400

300

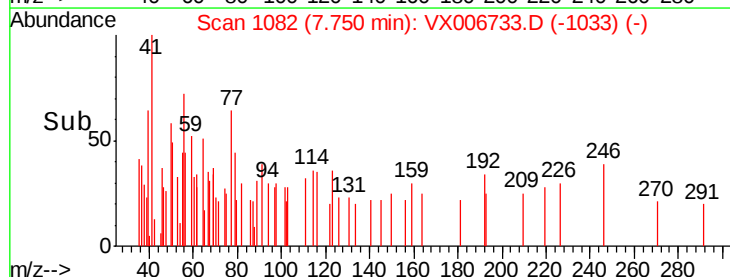
200

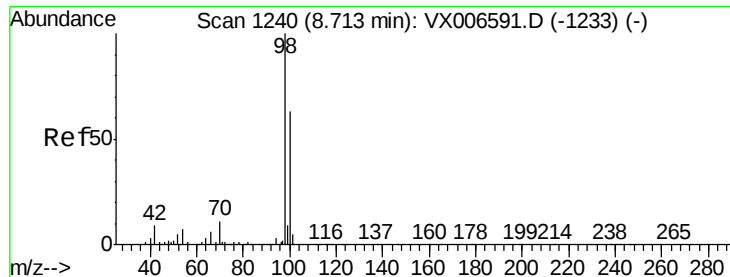
100

0

7.74 7.75 7.76 7.77

Time-->





#50

Toluene-d8

Concen: 48.727 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

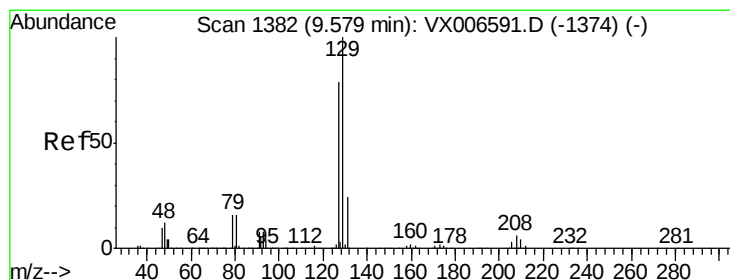
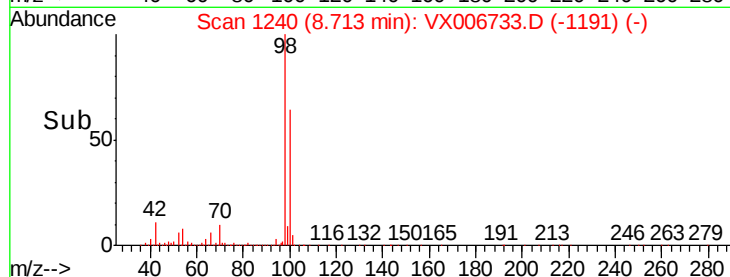
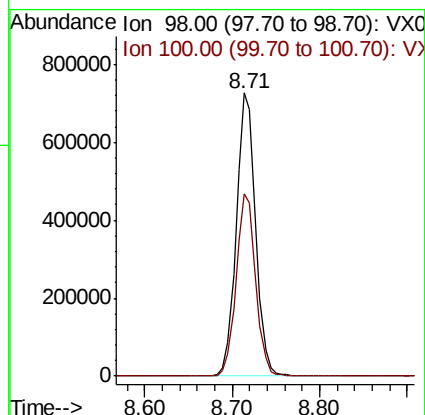
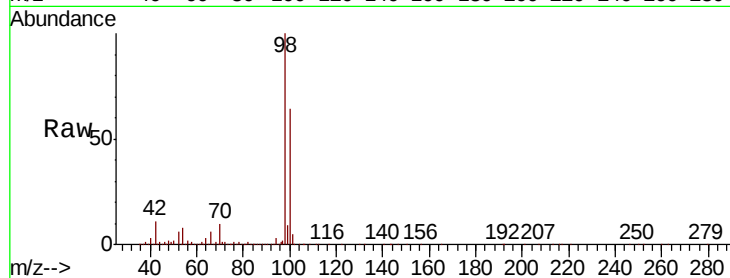
963-MW-01(23)DL

Tot Ion: 98 Resp: 1122329

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0



#60

Dibromochloromethane

Concen: 47.041 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX006733.D

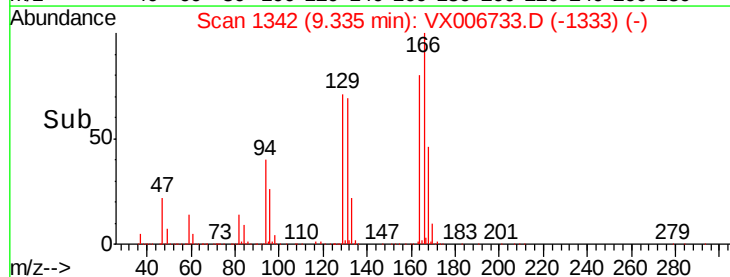
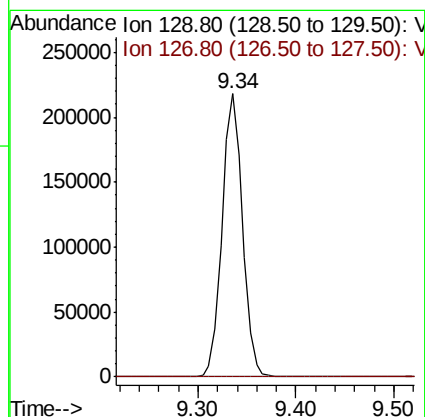
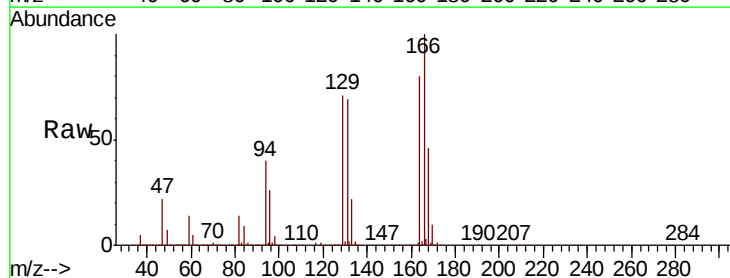
Acq: 21 Dec 2018 19:30

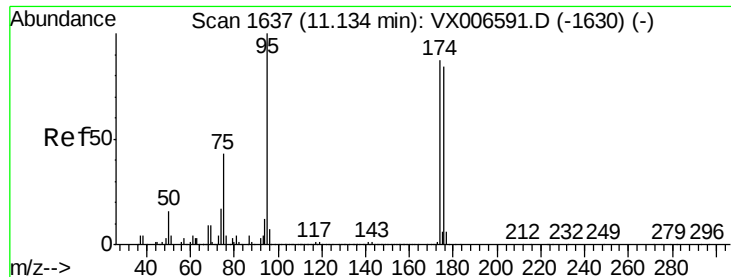
Tgt Ion: 129 Resp: 315469

Ion Ratio Lower Upper

129 100

127 0.2 39.3 117.8#

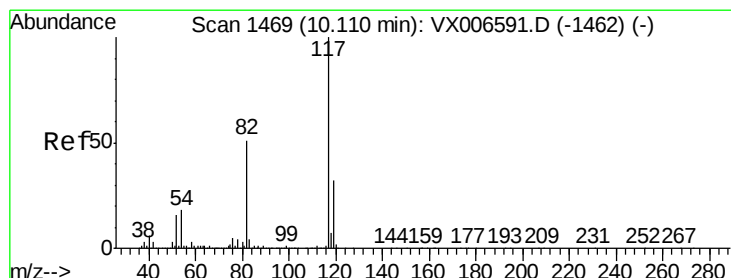
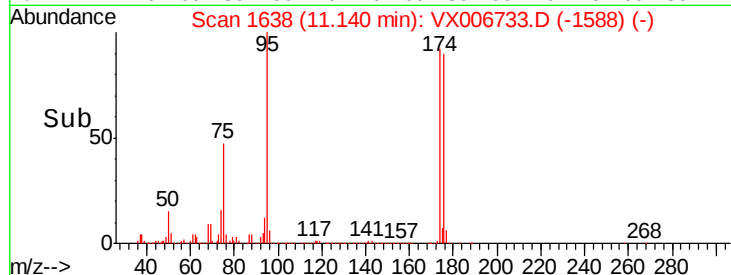
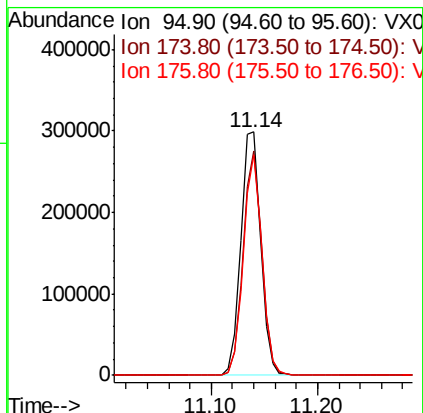
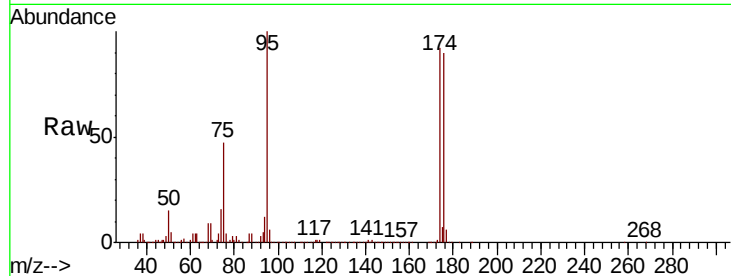




#62
4-Bromofluorobenzene
Concen: 46.748 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

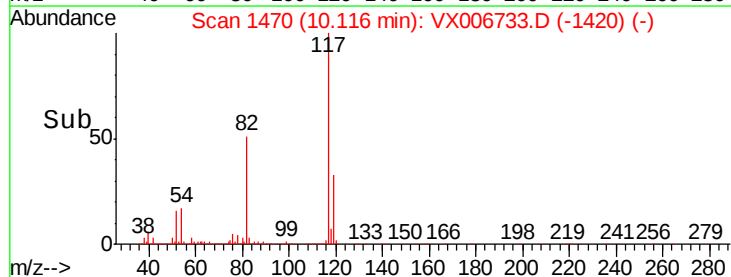
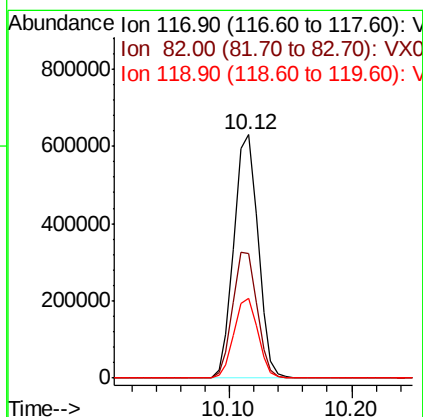
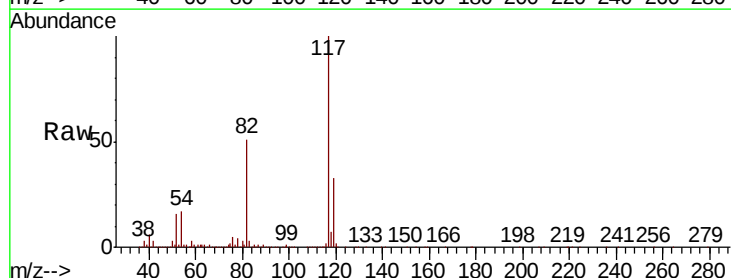
Instrument :
MSVOA_X
ClientSampleId :
963-MW-01(23)DL

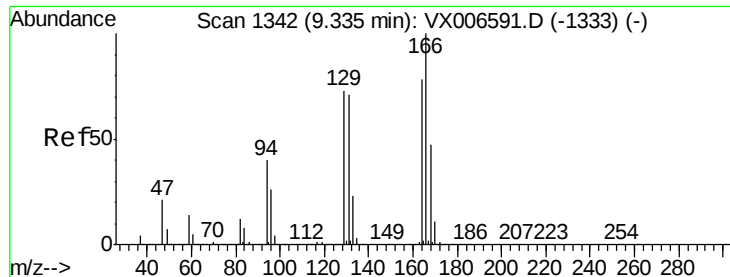
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	182.2
176	84.7	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.0	61.6
119	32.7	25.4	38.0

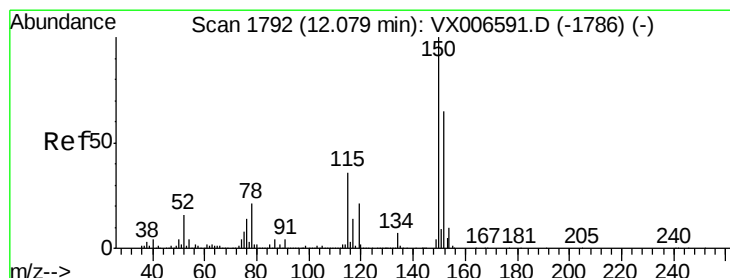
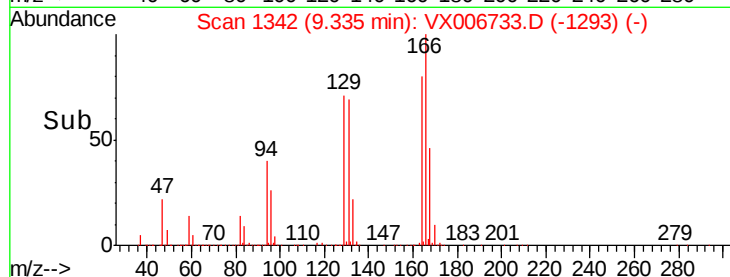
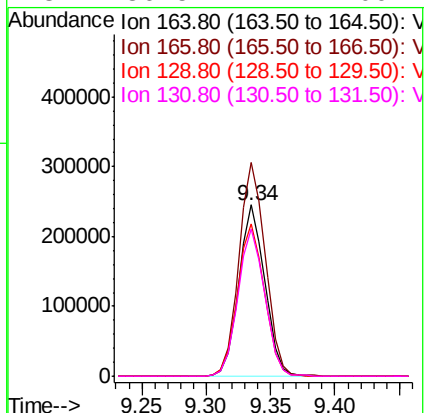
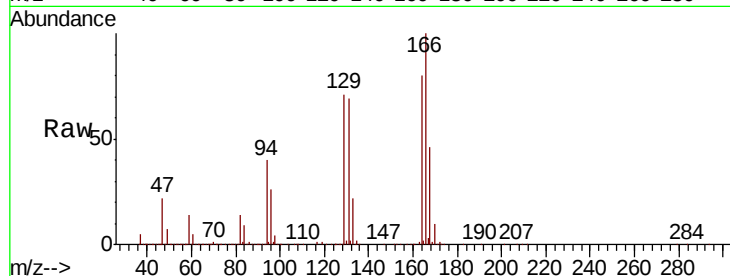




#64
Tetrachloroethene
Concen: 50.019 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

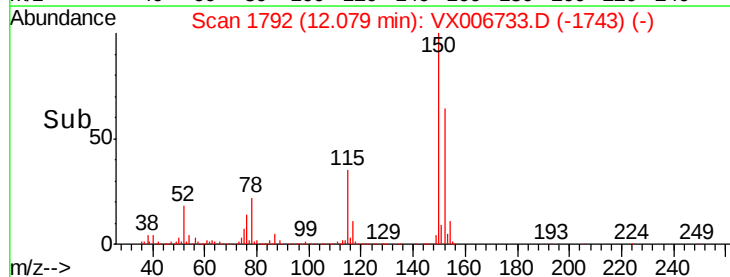
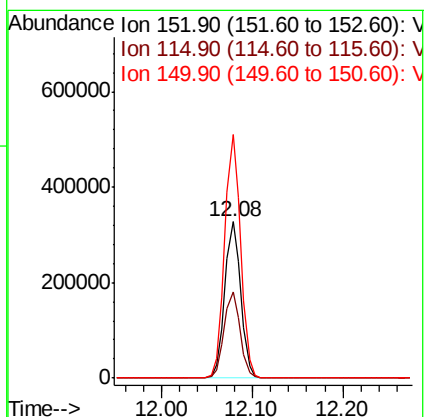
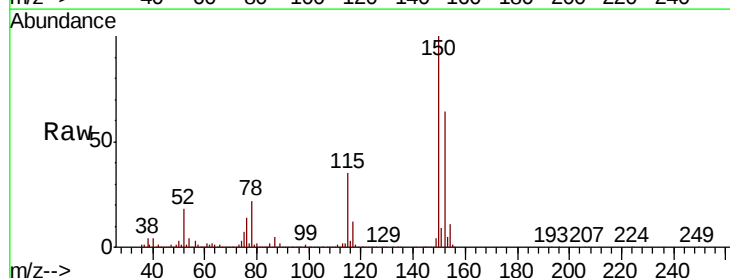
Instrument :
MSVOA_X
ClientSampleId :
963-MW-01(23)DL

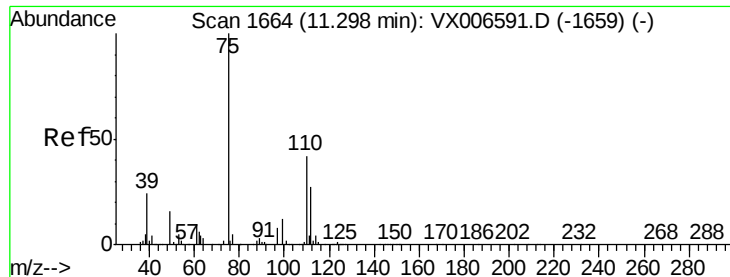
Tot Ion	Ratio	Lower	Upper
164	100		
166	125.0	102.5	153.7
129	89.1	75.1	112.7
131	86.5	72.7	109.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006733.D
Acq: 21 Dec 2018 19:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	39.1	117.2
150	156.0	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 24.778 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

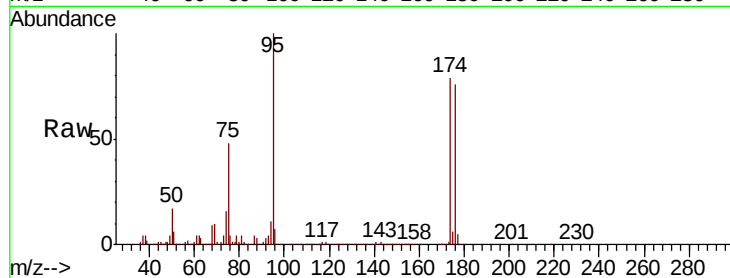
963-MW-01(23)DL

Tot Ion: 75 Resp: 184657

Ion Ratio Lower Upper

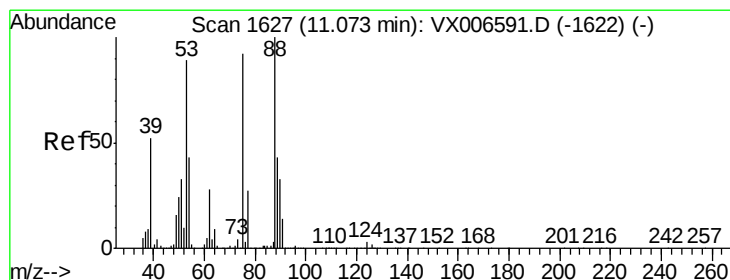
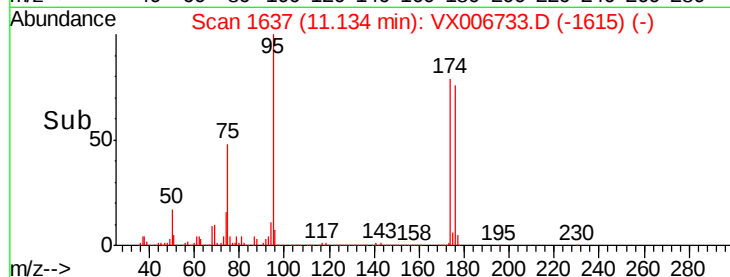
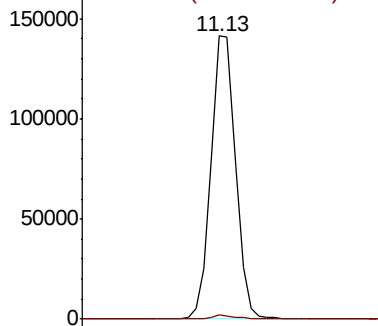
75 100

77 1.3 18.5 55.5#



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: 73.257 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

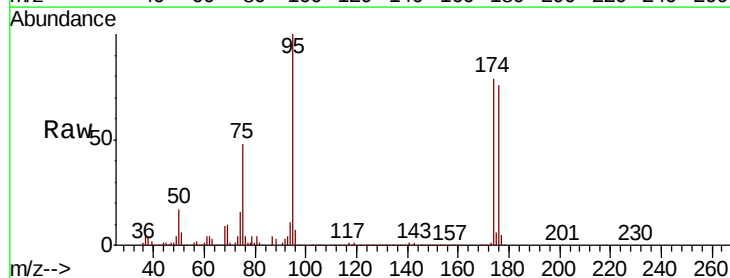
Tgt Ion: 75 Resp: 184657

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

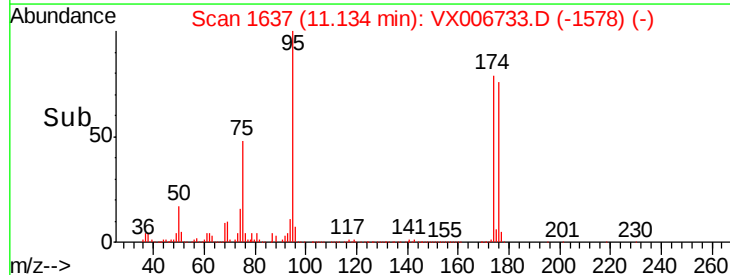
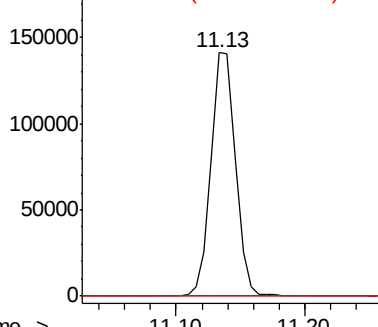
89 0.0 38.0 57.0#

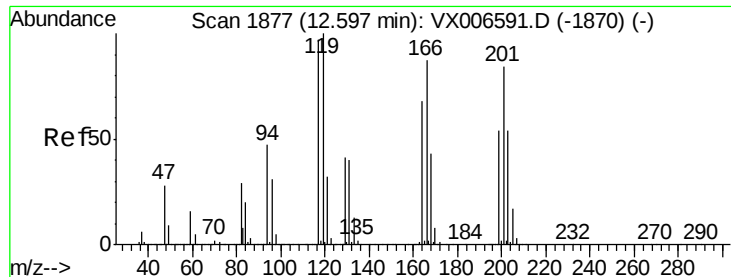


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 3.319 ug/l

RT: 12.58 min Scan# 1874

Delta R.T. -0.02 min

Lab File: VX006733.D

Acq: 21 Dec 2018 19:30

Instrument :

MSVOA_X

ClientSampleId :

963-MW-01(23)DL

Tot Ion:117 Resp: 105

Ion Ratio Lower Upper

117 100

201 47.6 42.9 128.7

