

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041119\
 Data File : VX008863.D
 Acq On : 11 Apr 2019 19:37
 Operator : JC/SP
 Sample : K2349-07DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW071-190409DL

Quant Time: Apr 12 07:38:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	197717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	317638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120803	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	129764	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	
35) Dibromofluoromethane	5.50	113	94244	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	8.71	98	398567	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.13	95	135977	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	

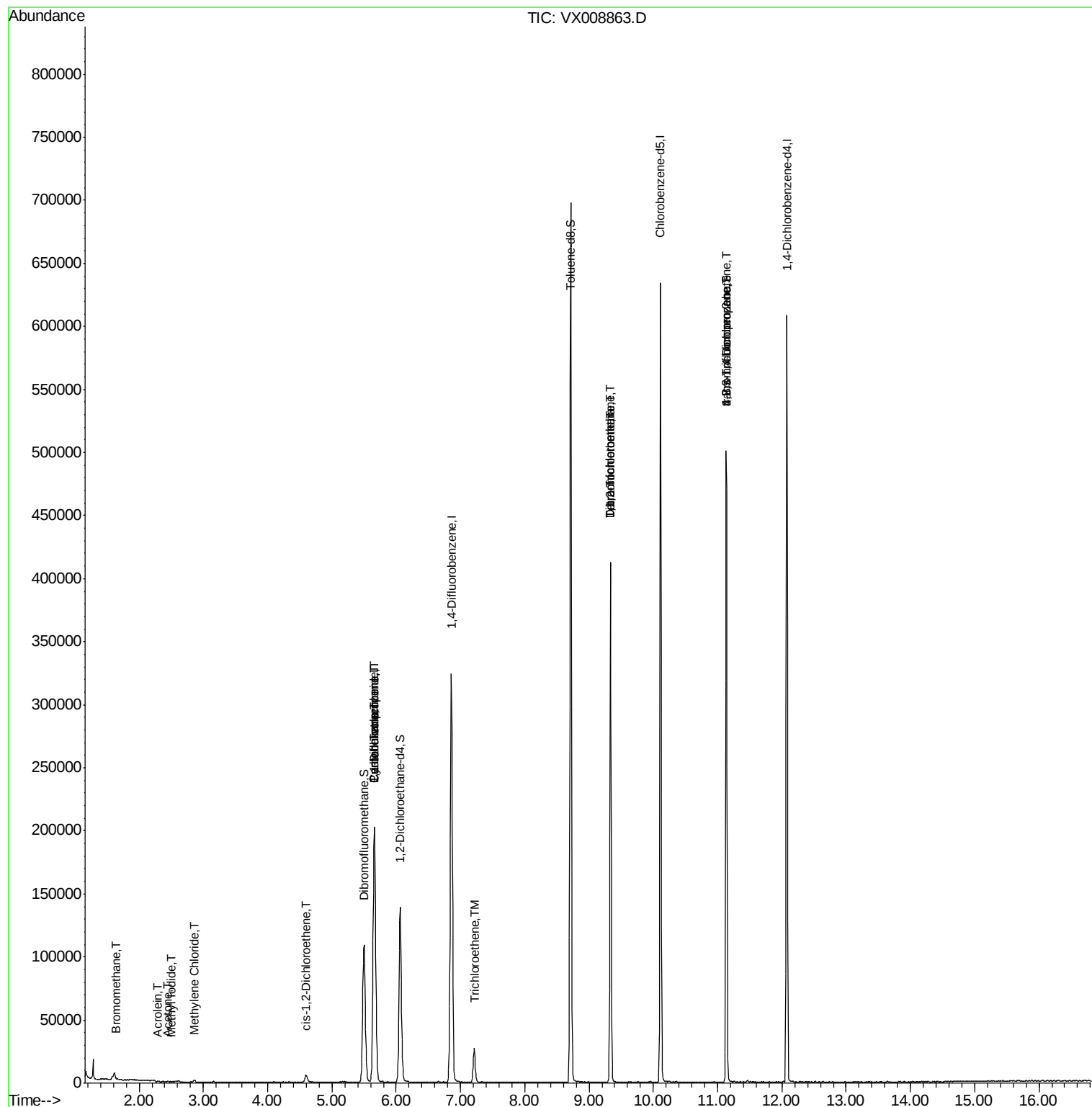
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	287	Below Cal	#	82
5) Bromomethane	1.64	94	270	2.057	ug/l #	67
6) Chloroethane	1.71	64	39	Below Cal	#	1
10) Methyl Iodide	2.51	142	178	4.085	ug/l #	56
13) Acrolein	2.29	56	73	0.218	ug/l #	70
16) Acetone	2.45	43	572	0.344	ug/l #	85
17) Carbon Disulfide	2.57	76	687	Below Cal	#	80
20) Methylene Chloride	2.87	84	674	0.242	ug/l	84
27) cis-1,2-Dichloroethene	4.60	96	3491	1.228	ug/l	89
28) Bromochloromethane	5.00	49	27	Below Cal	#	22
31) Cyclohexane	5.67	56	4385	0.880	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15411	4.439	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18226	6.342	ug/l #	17
44) Trichloroethene	7.21	130	10464	4.343	ug/l	97
55) 1,1,2-Trichloroethane	9.34	97	624	0.255	ug/l #	1
60) Dibromochloromethane	9.34	129	73216	31.741	ug/l #	11
64) Tetrachloroethene	9.34	164	76678	37.171	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	69362	20.901	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69362	57.615	ug/l #	9

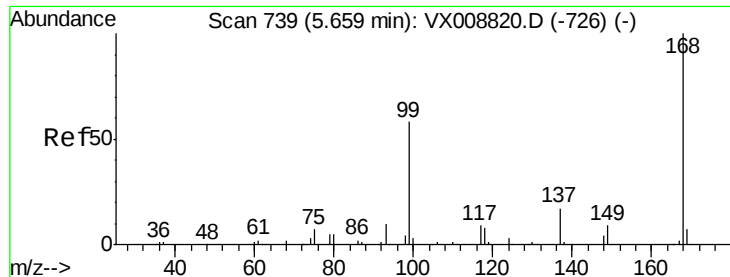
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

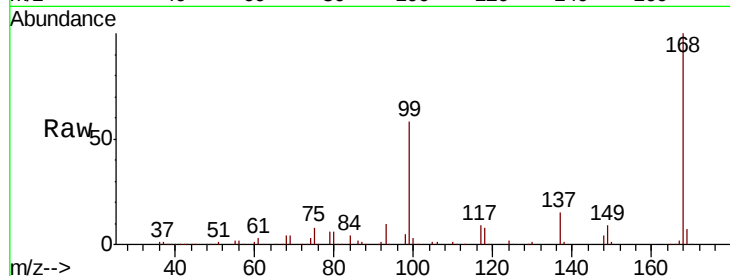
KY062MW071-190409DL

Tgt Ion:168 Resp: 197717

Ion Ratio Lower Upper

168 100

99 58.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

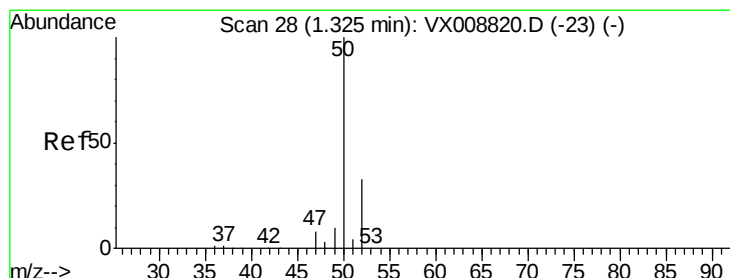
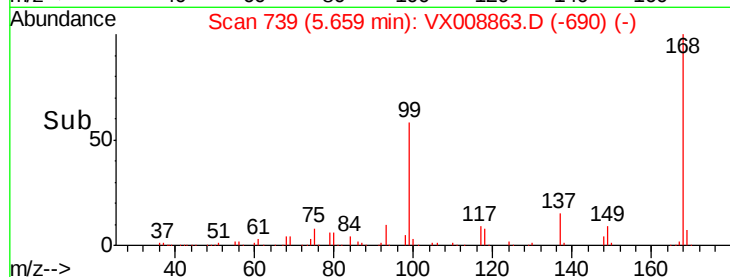
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008863.D

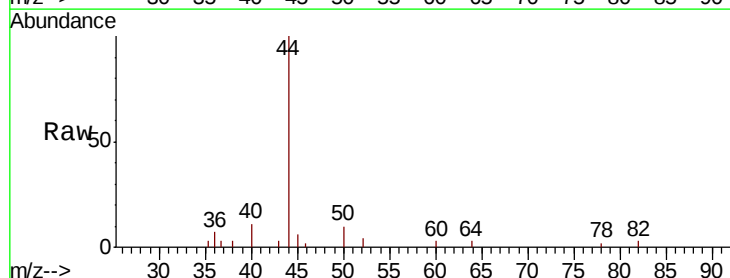
Acq: 11 Apr 2019 19:37

Tgt Ion: 50 Resp: 287

Ion Ratio Lower Upper

50 100

52 42.3 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

250

200

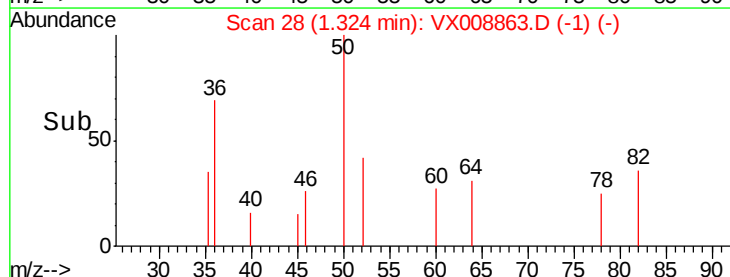
150

100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.057 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

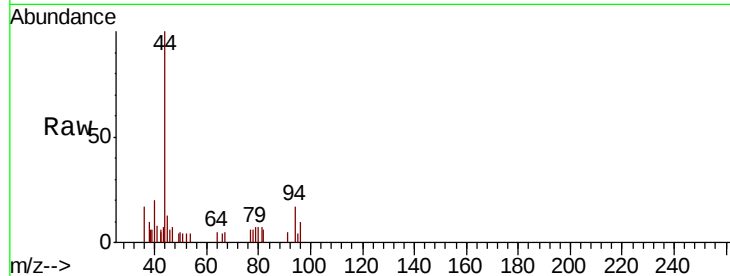
KY062MW071-190409DL

Tgt Ion: 94 Resp: 270

Ion Ratio Lower Upper

94 100

96 61.8 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

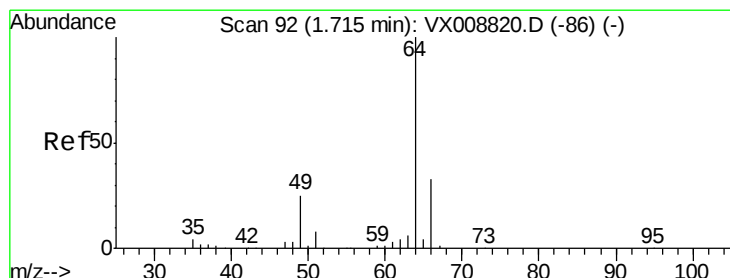
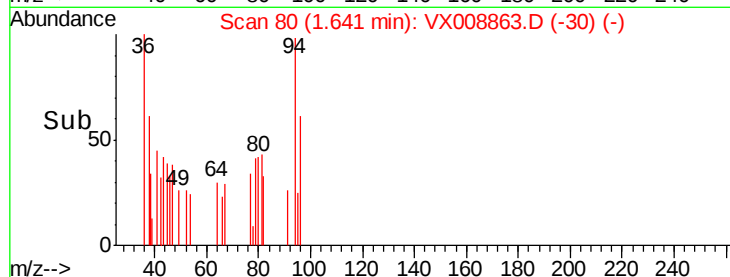
100

50

0

1.62 1.64 1.66 1.68

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008863.D

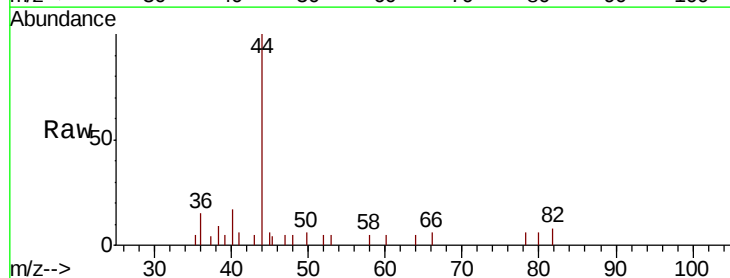
Acq: 11 Apr 2019 19:37

Tgt Ion: 64 Resp: 39

Ion Ratio Lower Upper

64 100

66 125.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80

60

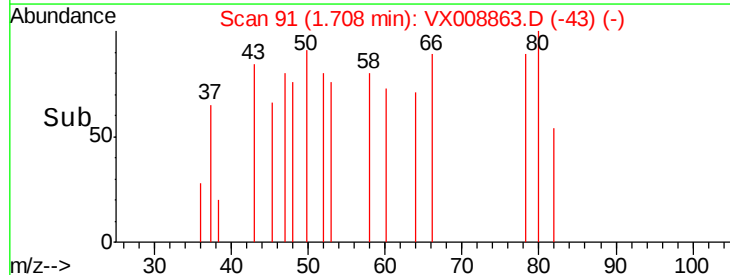
40

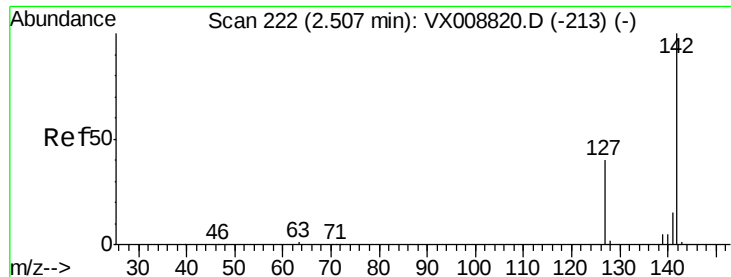
20

0

1.69 1.70 1.71 1.72

Time-->

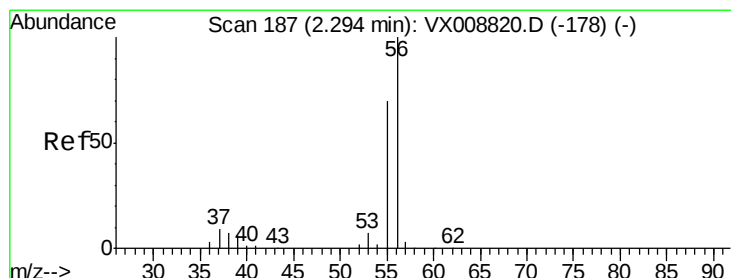
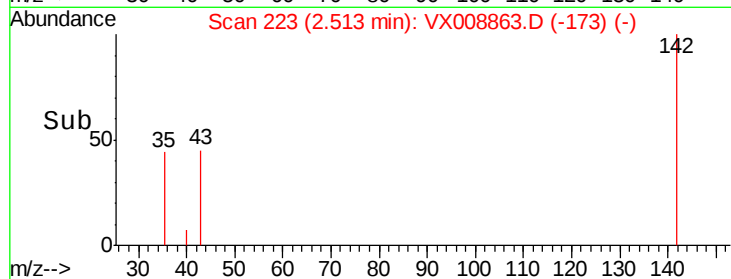
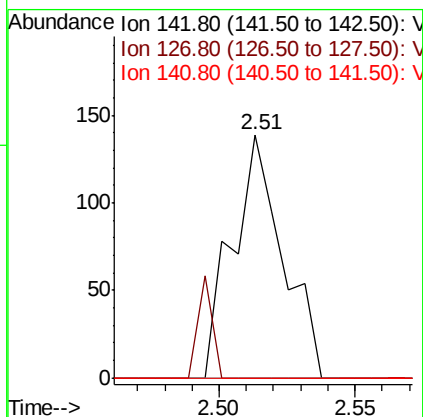
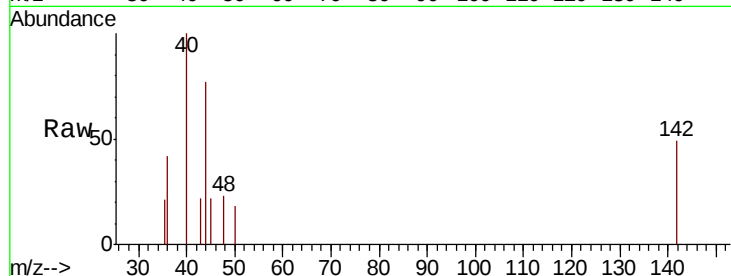




#10
Methyl Iodide
Concen: 4.085 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008863.D
Acq: 11 Apr 2019 19:37

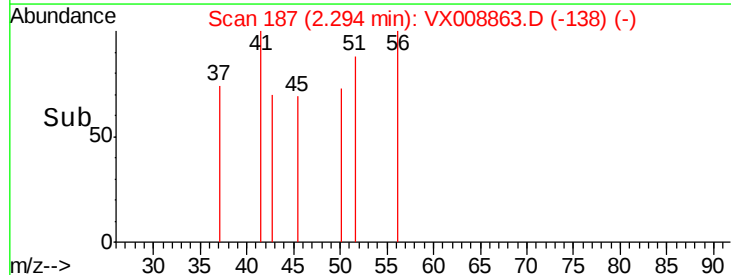
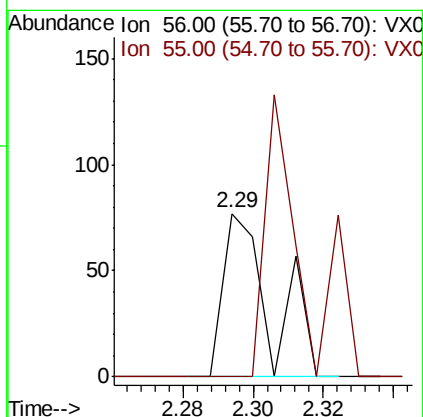
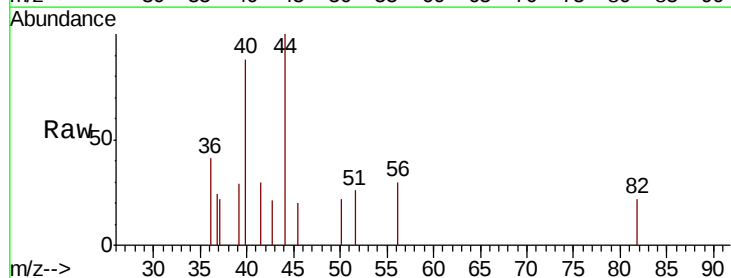
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-190409DL

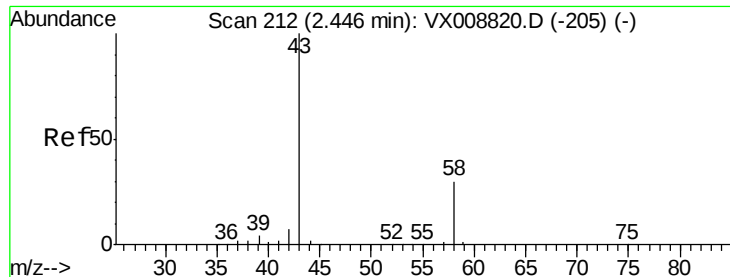
Tgt Ion: 142 Resp: 178
Ion Ratio Lower Upper
142 100
127 11.8 33.0 49.6#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.218 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX008863.D
Acq: 11 Apr 2019 19:37

Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 97.3 58.0 87.0#





#16

Acetone

Concen: 0.344 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

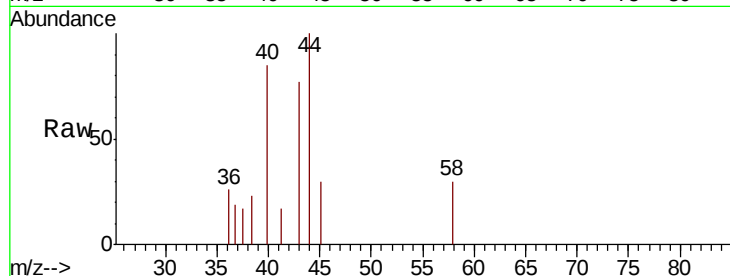
KY062MW071-190409DL

Tgt Ion: 43 Resp: 572

Ion Ratio Lower Upper

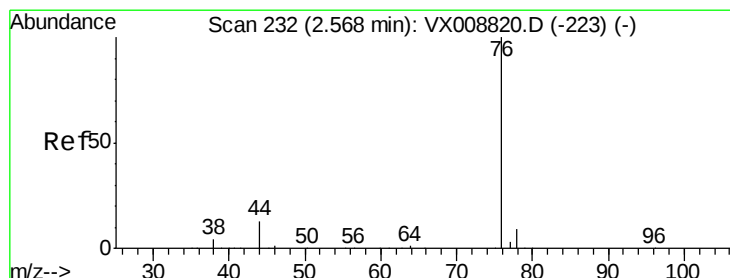
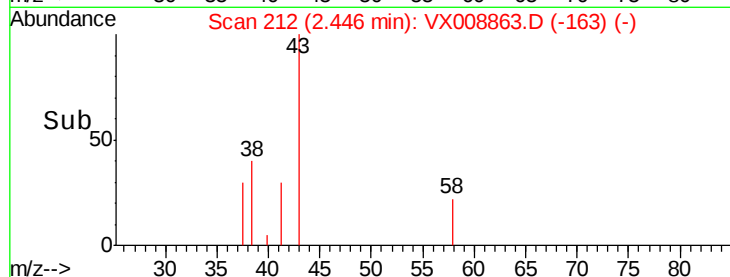
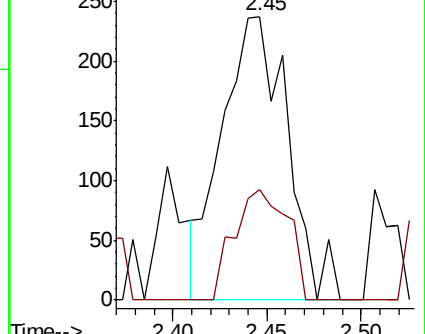
43 100

58 39.2 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008863.D

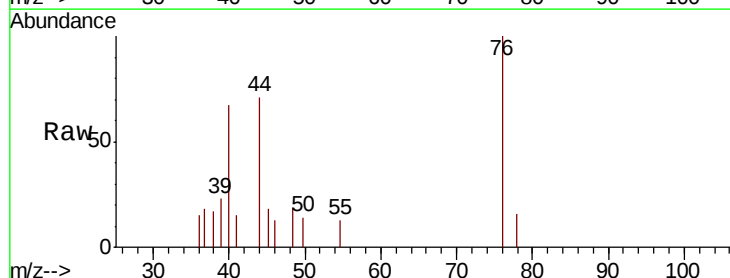
Acq: 11 Apr 2019 19:37

Tgt Ion: 76 Resp: 687

Ion Ratio Lower Upper

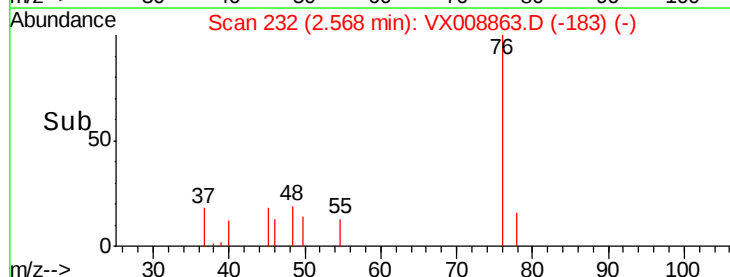
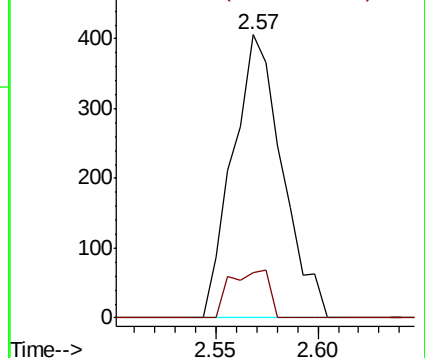
76 100

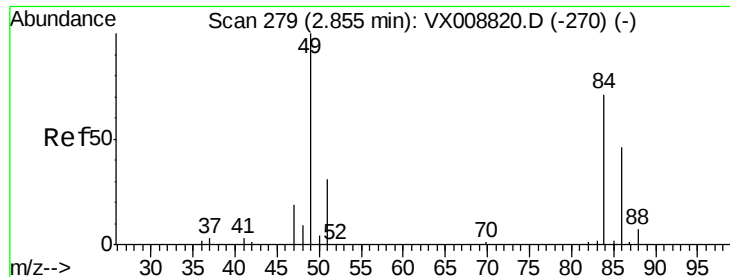
78 16.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

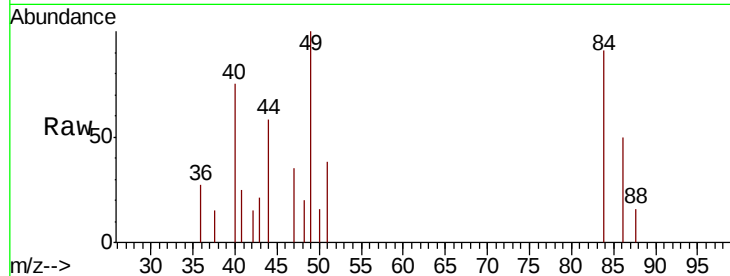




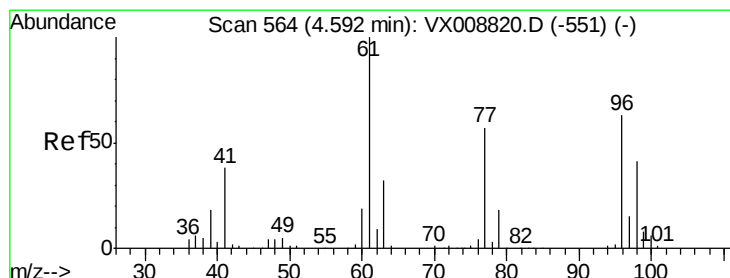
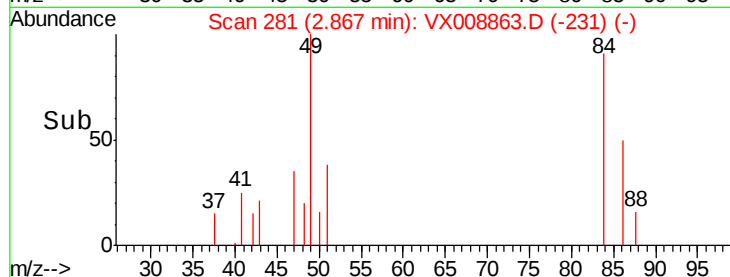
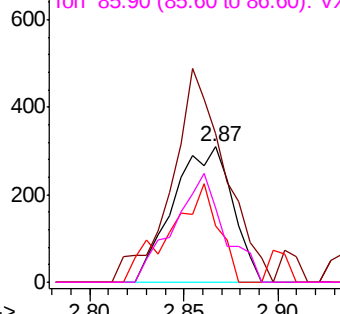
#20
Methylene Chloride
Concen: 0.242 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008863.D
Acq: 11 Apr 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-190409DL

Tgt Ion:	84	Resp:	674
Ion	Ratio	Lower	Upper
84	100		
49	110.0	109.7	164.5
51	41.9	33.6	50.4
86	54.5	51.4	77.2

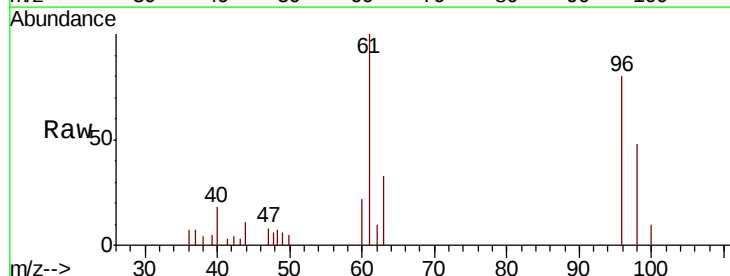


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

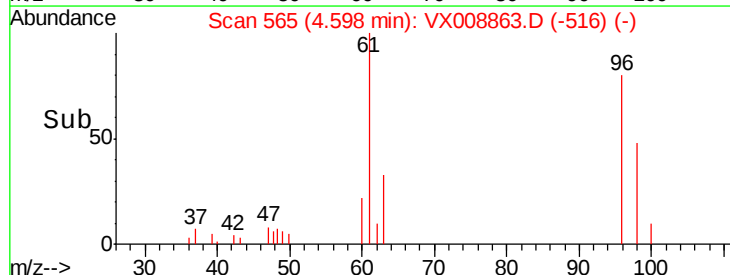
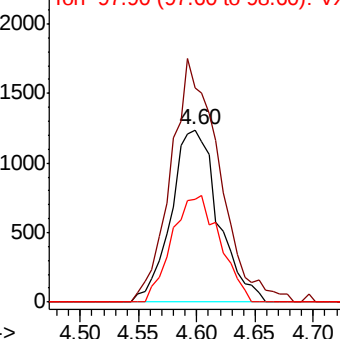


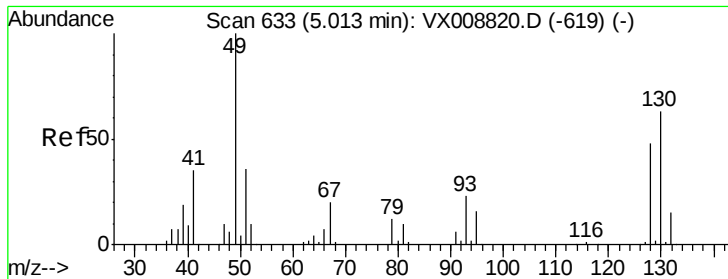
#27
cis-1,2-Dichloroethene
Concen: 1.228 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008863.D
Acq: 11 Apr 2019 19:37

Tgt Ion:	96	Resp:	3491
Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	327.6
98	62.7	0.0	128.6



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: 5.00 min Scan# 631

Delta R.T. -0.02 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-190409DL

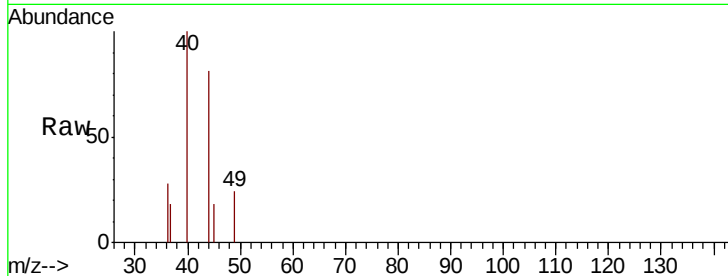
Tgt Ion: 49 Resp: 27

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

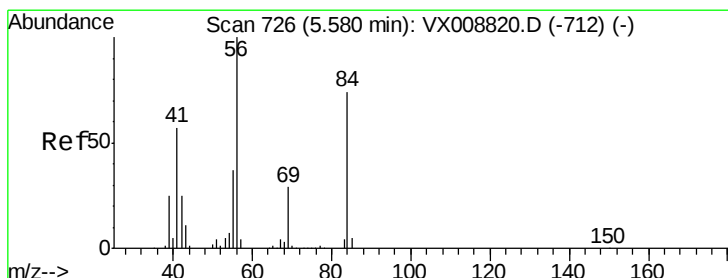
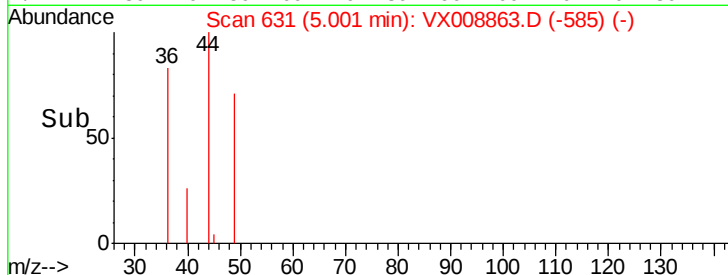
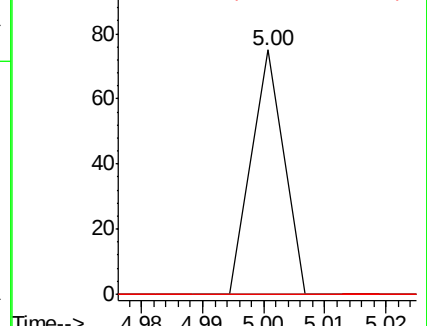
130 0.0 49.3 73.9#



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: 0.880 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

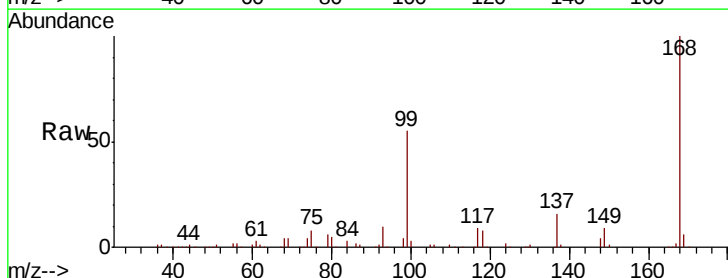
Tgt Ion: 56 Resp: 4385

Ion Ratio Lower Upper

56 100

69 162.2 22.6 33.8#

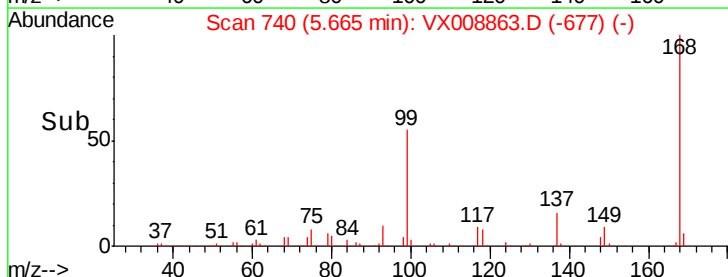
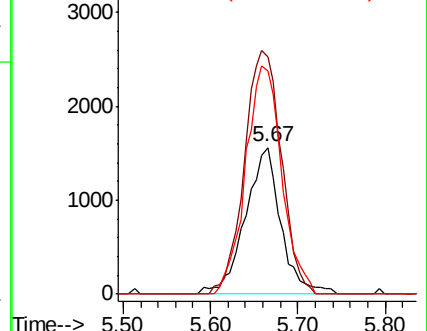
84 152.4 59.3 88.9#

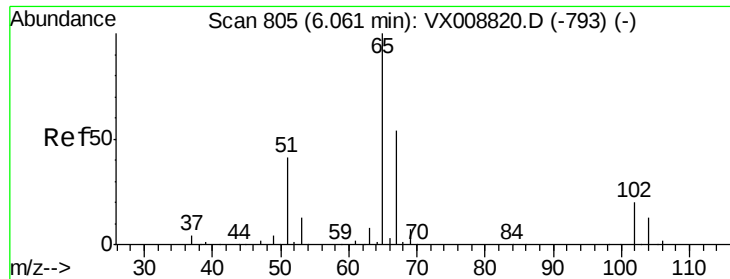


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 44.997 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

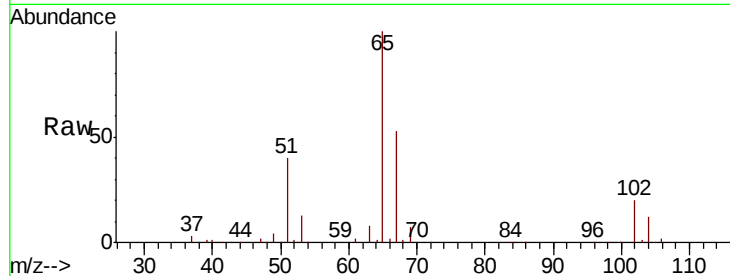
KY062MW071-190409DL

Tgt Ion: 65 Resp: 129764

Ion Ratio Lower Upper

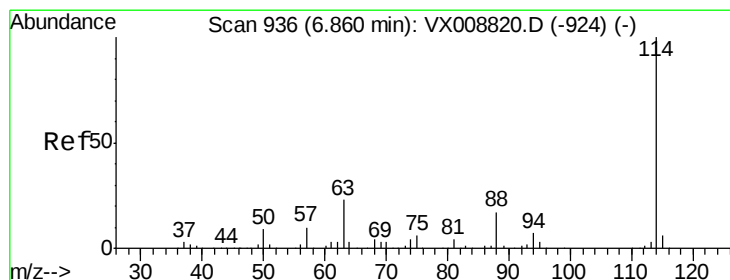
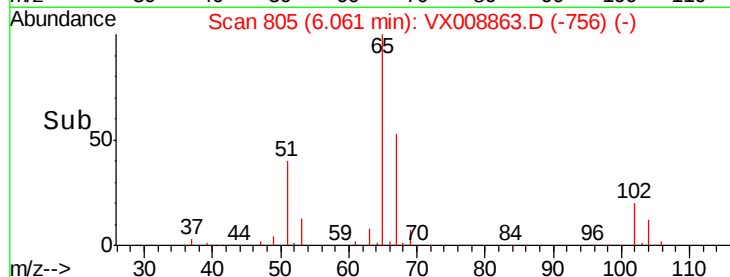
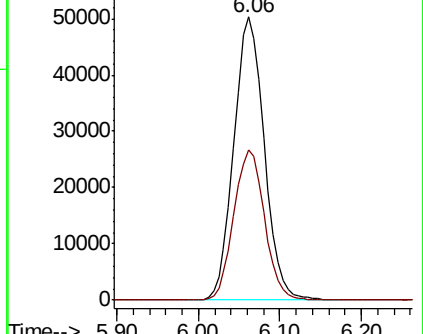
65 100

67 53.8 0.0 107.2



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: VX008863.D

Acq: 11 Apr 2019 19:37

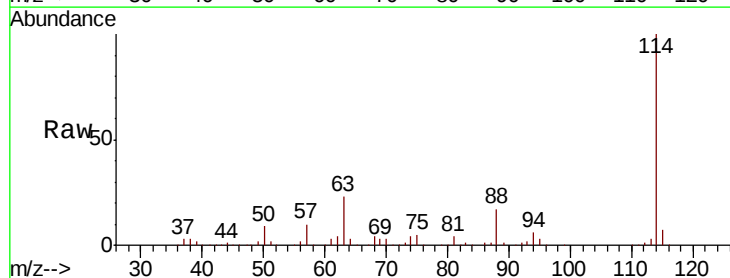
Tgt Ion: 114 Resp: 317638

Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.2

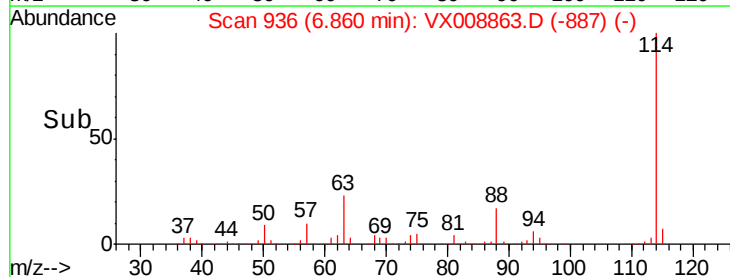
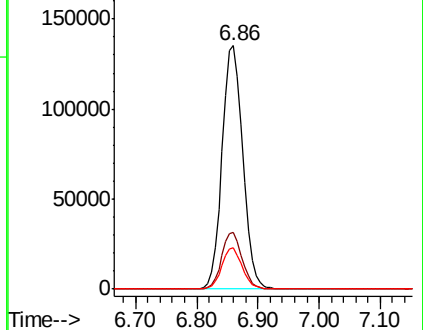
88 16.9 0.0 34.0

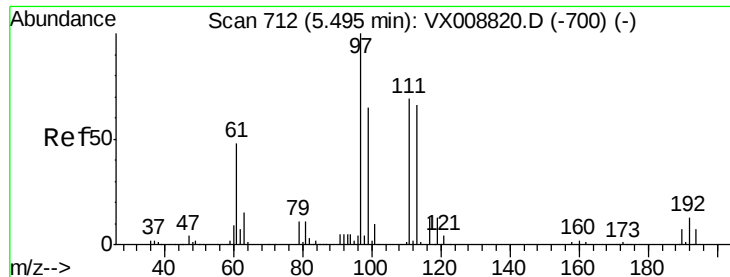


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.406 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-190409DL

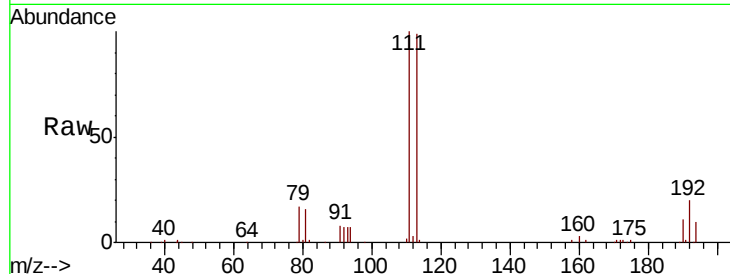
Tgt Ion:113 Resp: 94244

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

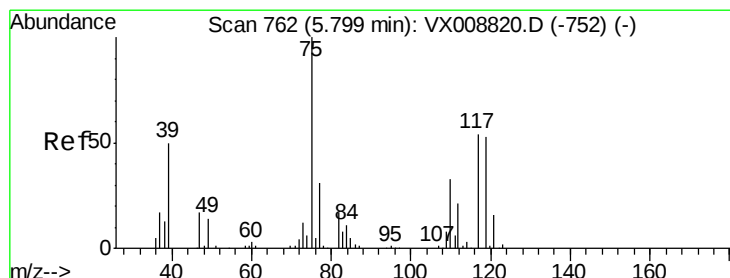
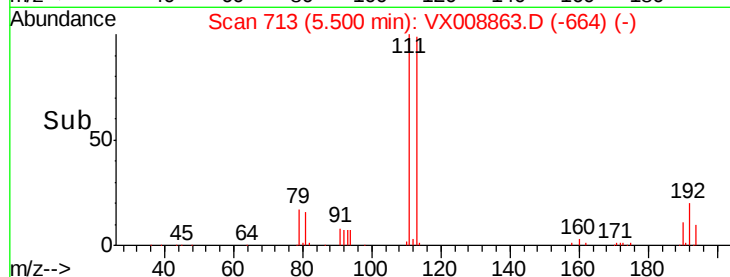
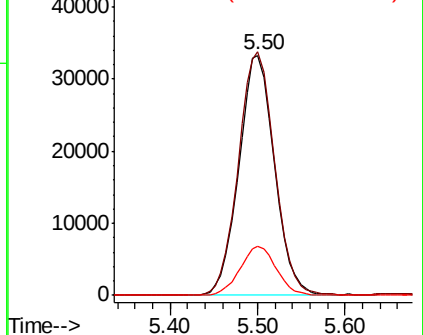
192 20.8 16.1 24.1



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: 4.439 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

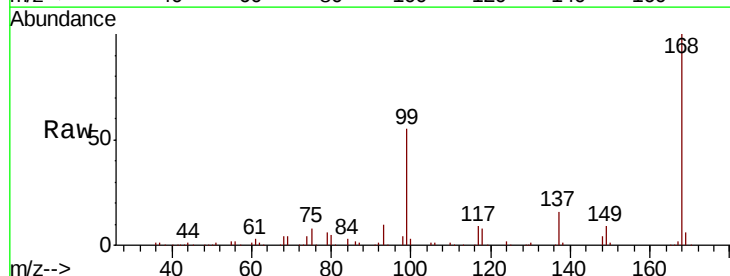
Tgt Ion: 75 Resp: 15411

Ion Ratio Lower Upper

75 100

110 7.9 16.4 49.2#

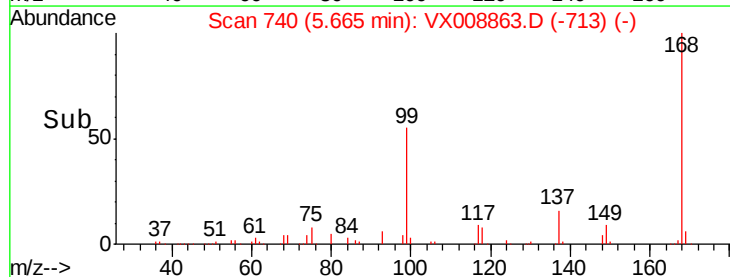
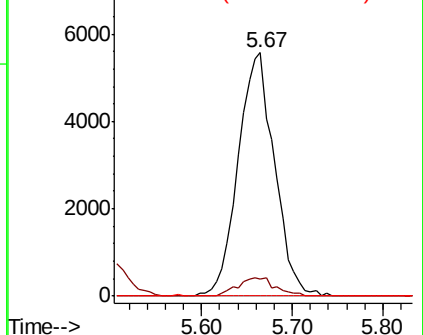
77 0.0 24.7 37.1#

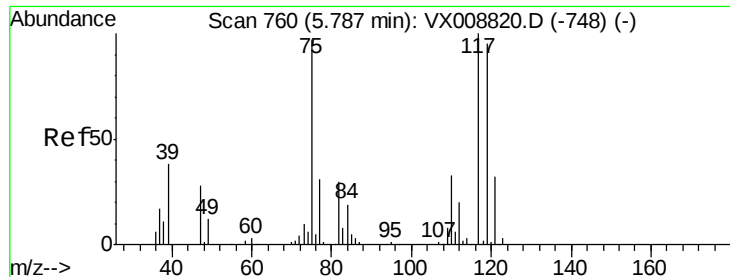


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.342 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-190409DL

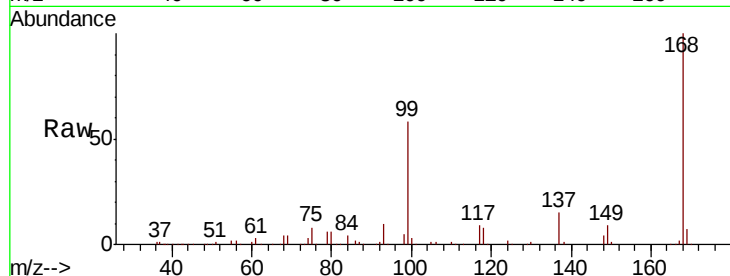
Tgt Ion:117 Resp: 18226

Ion Ratio Lower Upper

117 100

119 5.1 75.0 112.6#

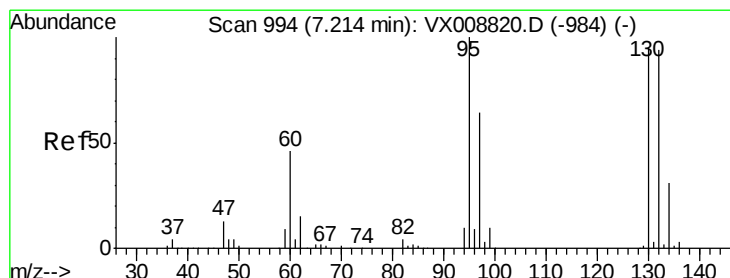
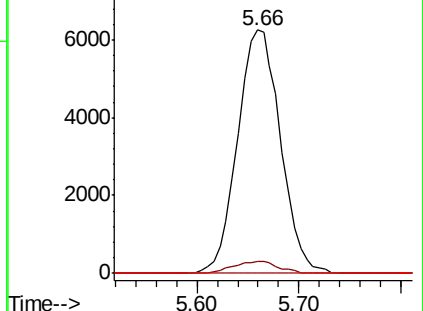
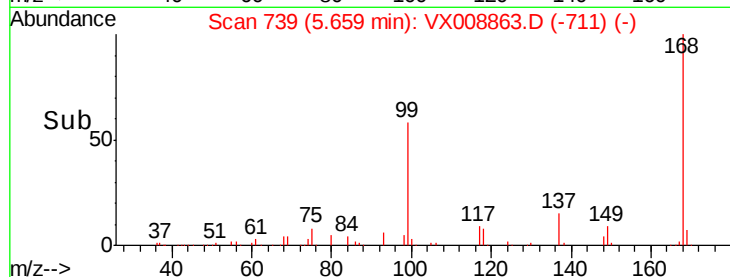
121 0.0 24.3 36.5#



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: 4.343 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008863.D

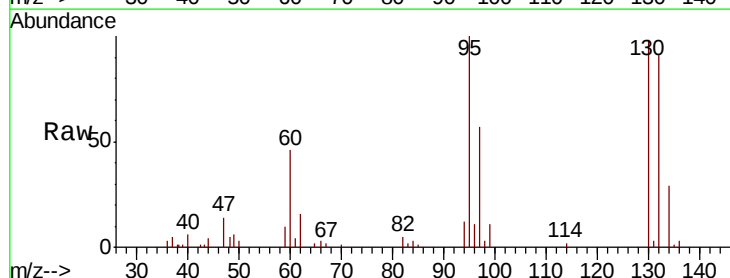
Acq: 11 Apr 2019 19:37

Tgt Ion:130 Resp: 10464

Ion Ratio Lower Upper

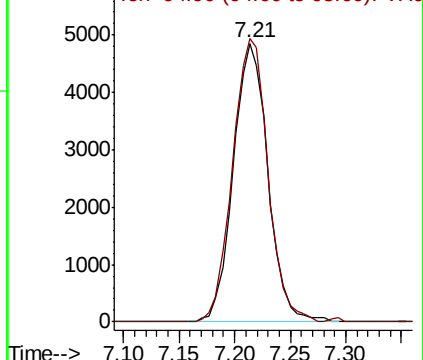
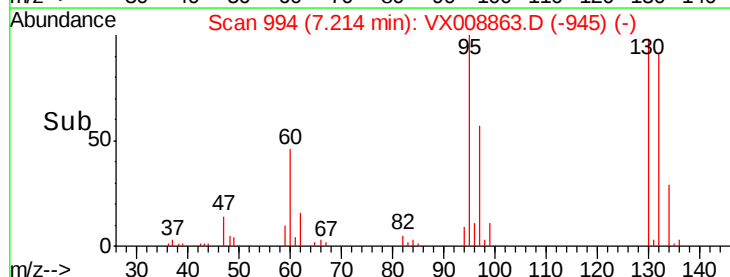
130 100

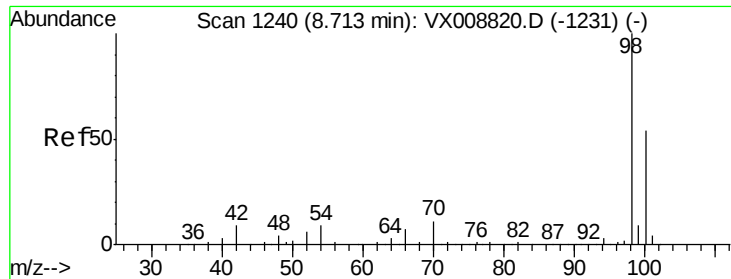
95 101.7 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.289 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

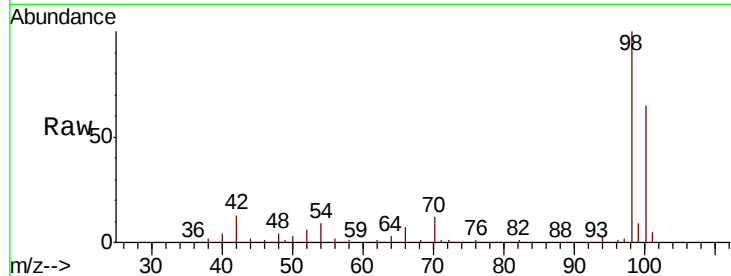
KY062MW071-190409DL

Tgt Ion: 98 Resp: 398567

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

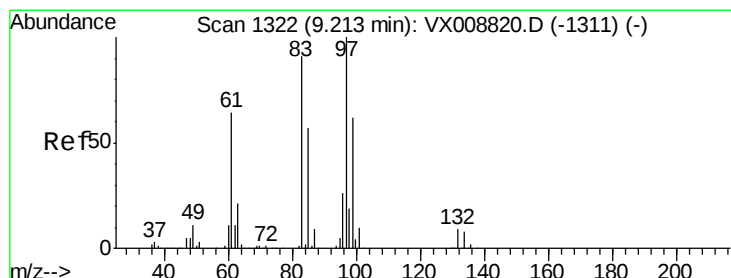
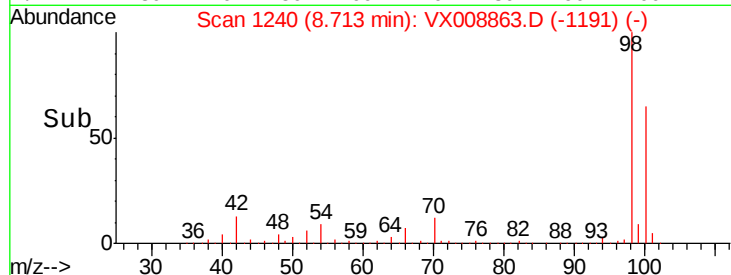
150000

100000

50000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.255 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Tgt Ion: 97 Resp: 624

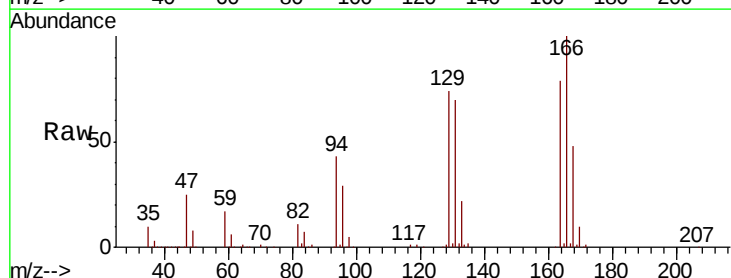
Ion Ratio Lower Upper

97 100

83 406.0 73.2 109.8#

85 70.8 46.6 69.8#

99 25.6 50.1 75.1#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

2000

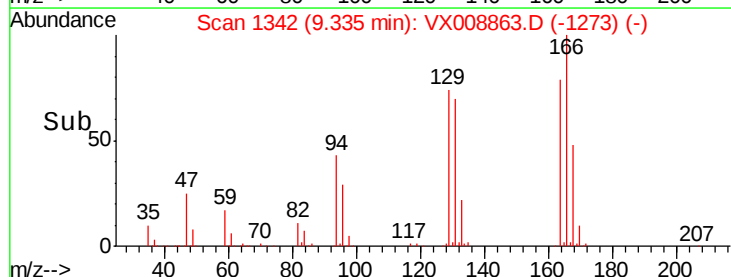
1500

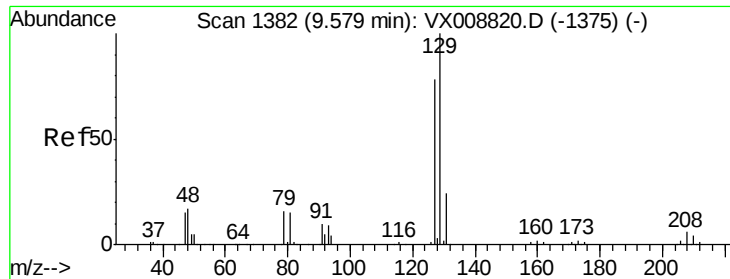
1000

500

0

Time-->





#60

Dibromochloromethane

Concen: 31.741 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

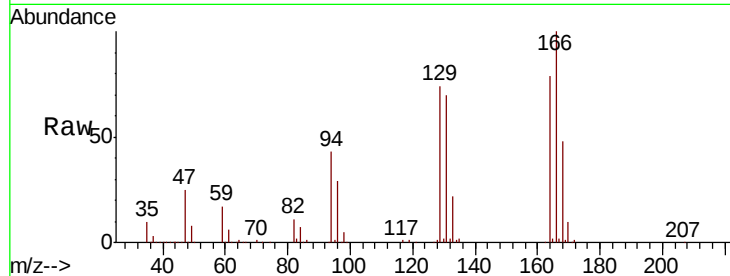
KY062MW071-190409DL

Tgt Ion:129 Resp: 73216

Ion Ratio Lower Upper

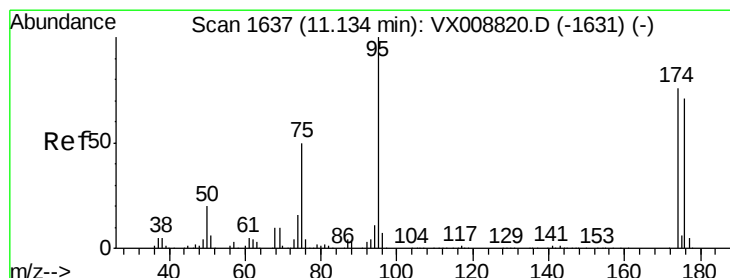
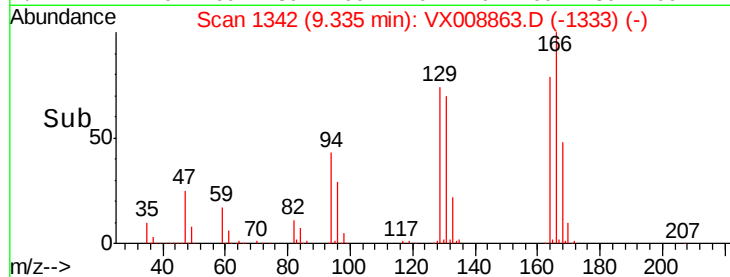
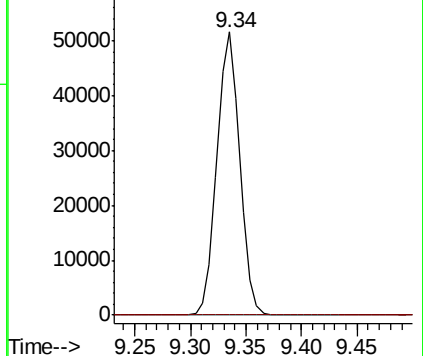
129 100

127 0.1 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.419 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

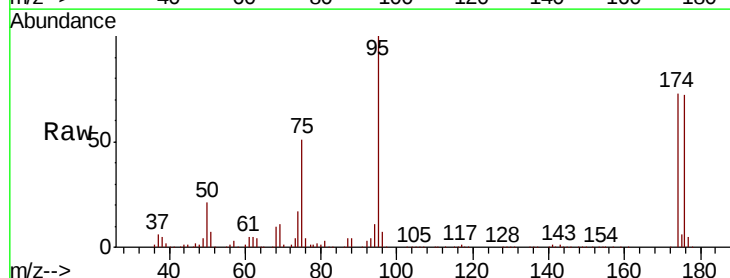
Tgt Ion: 95 Resp: 135977

Ion Ratio Lower Upper

95 100

174 78.5 0.0 151.8

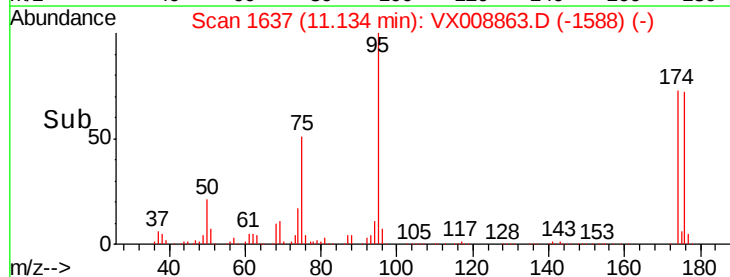
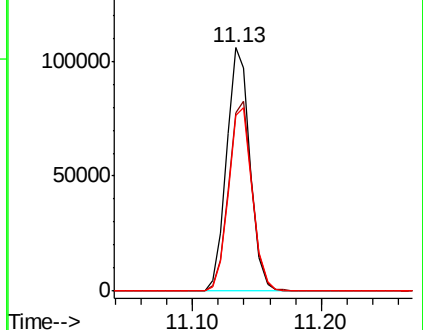
176 76.3 0.0 145.8

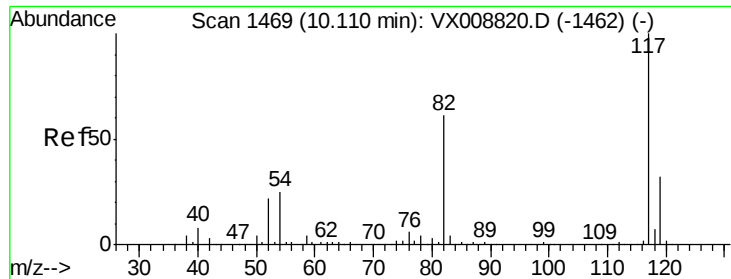


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

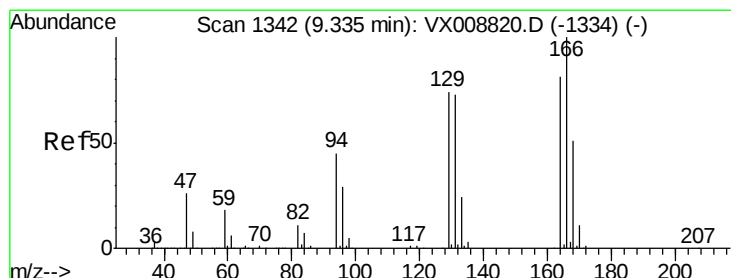
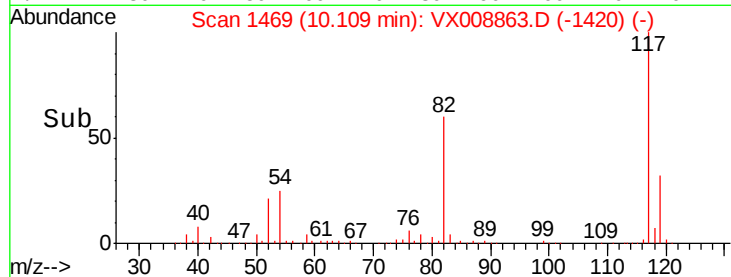
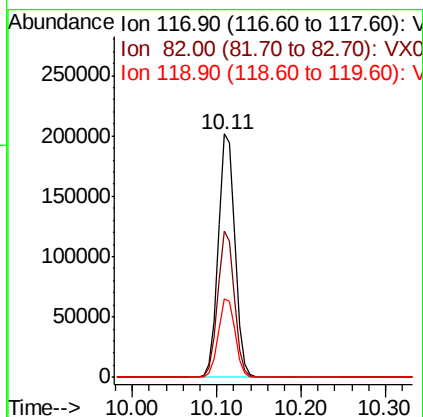
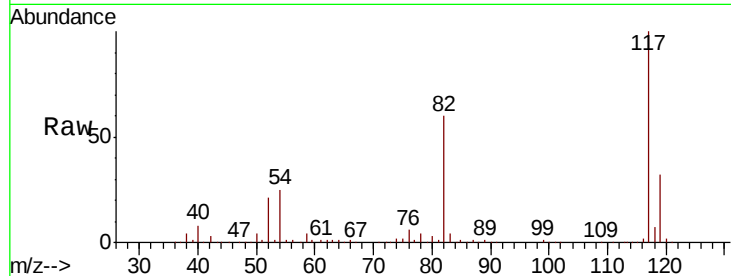




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008863.D
Acq: 11 Apr 2019 19:37

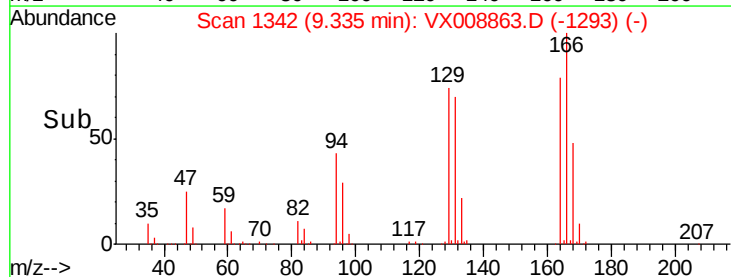
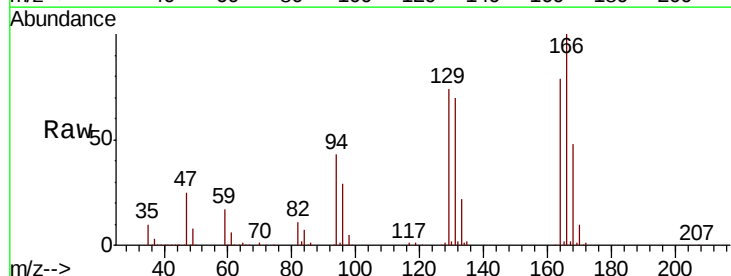
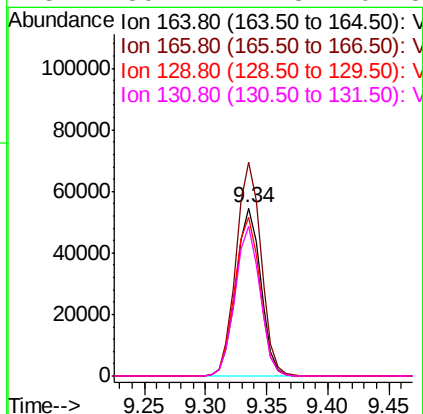
Instrument :
MSVOA_X
ClientSampleId :
KY062MW071-190409DL

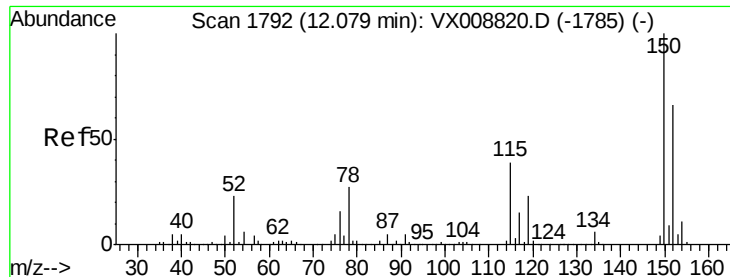
Tgt Ion:117 Resp: 278425
Ion Ratio Lower Upper
117 100
82 60.1 49.6 74.4
119 32.0 25.0 37.4



#64
Tetrachloroethene
Concen: 37.171 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008863.D
Acq: 11 Apr 2019 19:37

Tgt Ion:164 Resp: 76678
Ion Ratio Lower Upper
164 100
166 126.9 101.0 151.6
129 94.3 75.8 113.8
131 89.4 71.8 107.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-190409DL

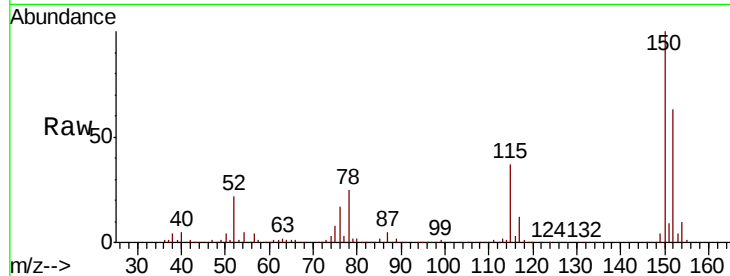
Tgt Ion:152 Resp: 120803

Ion Ratio Lower Upper

152 100

115 58.9 43.5 130.5

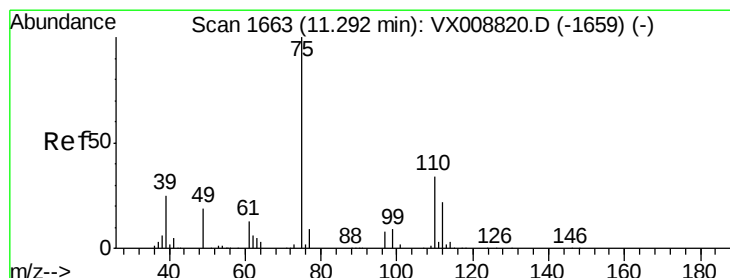
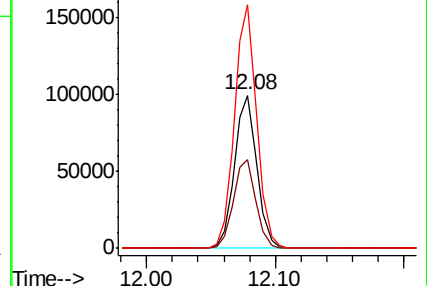
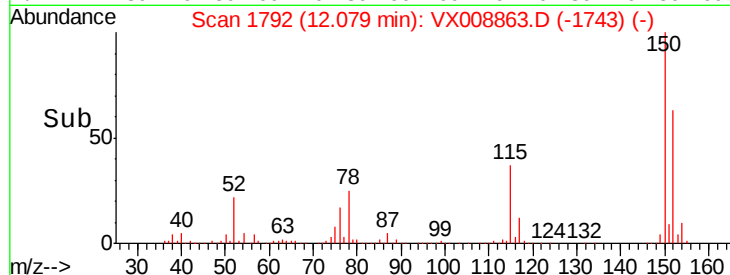
150 157.8 0.0 348.8



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: 20.901 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008863.D

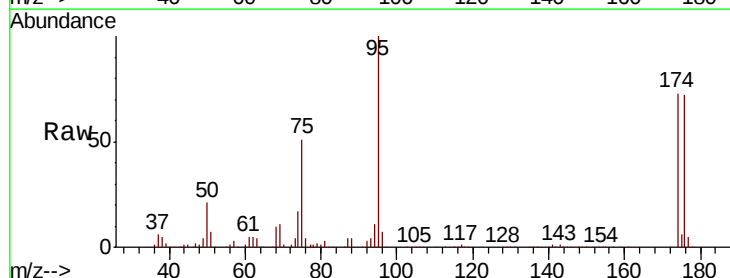
Acq: 11 Apr 2019 19:37

Tgt Ion: 75 Resp: 69362

Ion Ratio Lower Upper

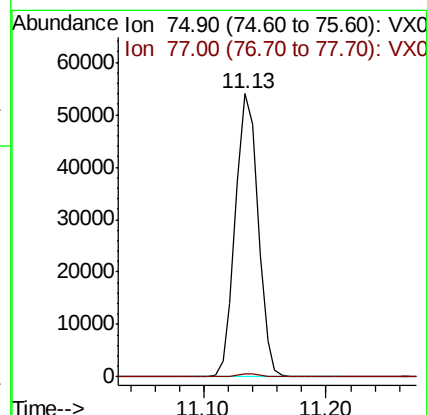
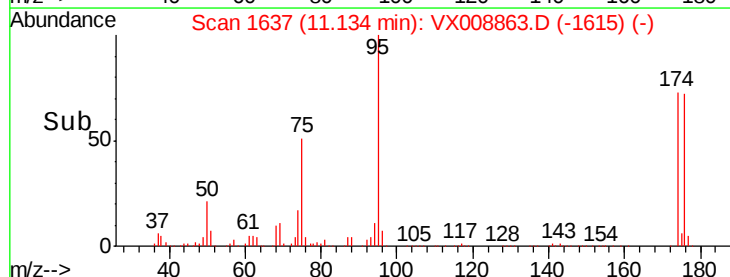
75 100

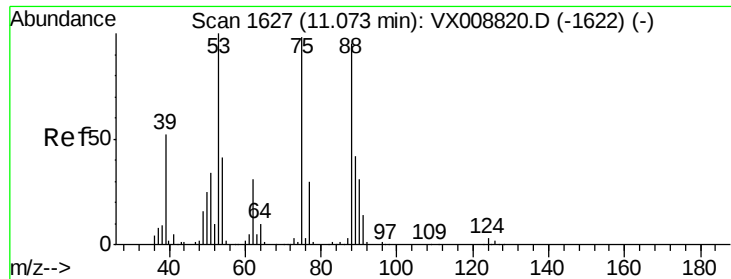
77 1.2 22.3 66.8#



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: 57.615 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008863.D

Acq: 11 Apr 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

KY062MW071-190409DL

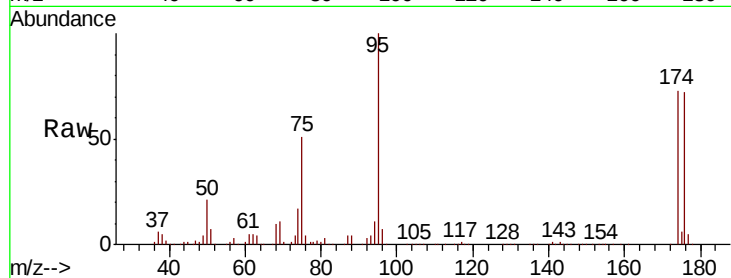
Tgt Ion: 75 Resp: 69362

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

