

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
 Data File : VX006824.D
 Acq On : 26 Dec 2018 17:49
 Operator : JC/MD
 Sample : J6404-04
 Misc : 23.17g/5mL/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPIDW02-121218-S

Quant Time: Dec 27 03:06:04 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	5.66	168	664367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	959766	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	854089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	447555	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	319288	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	
35) Dibromofluoromethane	5.50	113	279417	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
50) Toluene-d8	8.71	98	1116301	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	11.14	95	404922	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

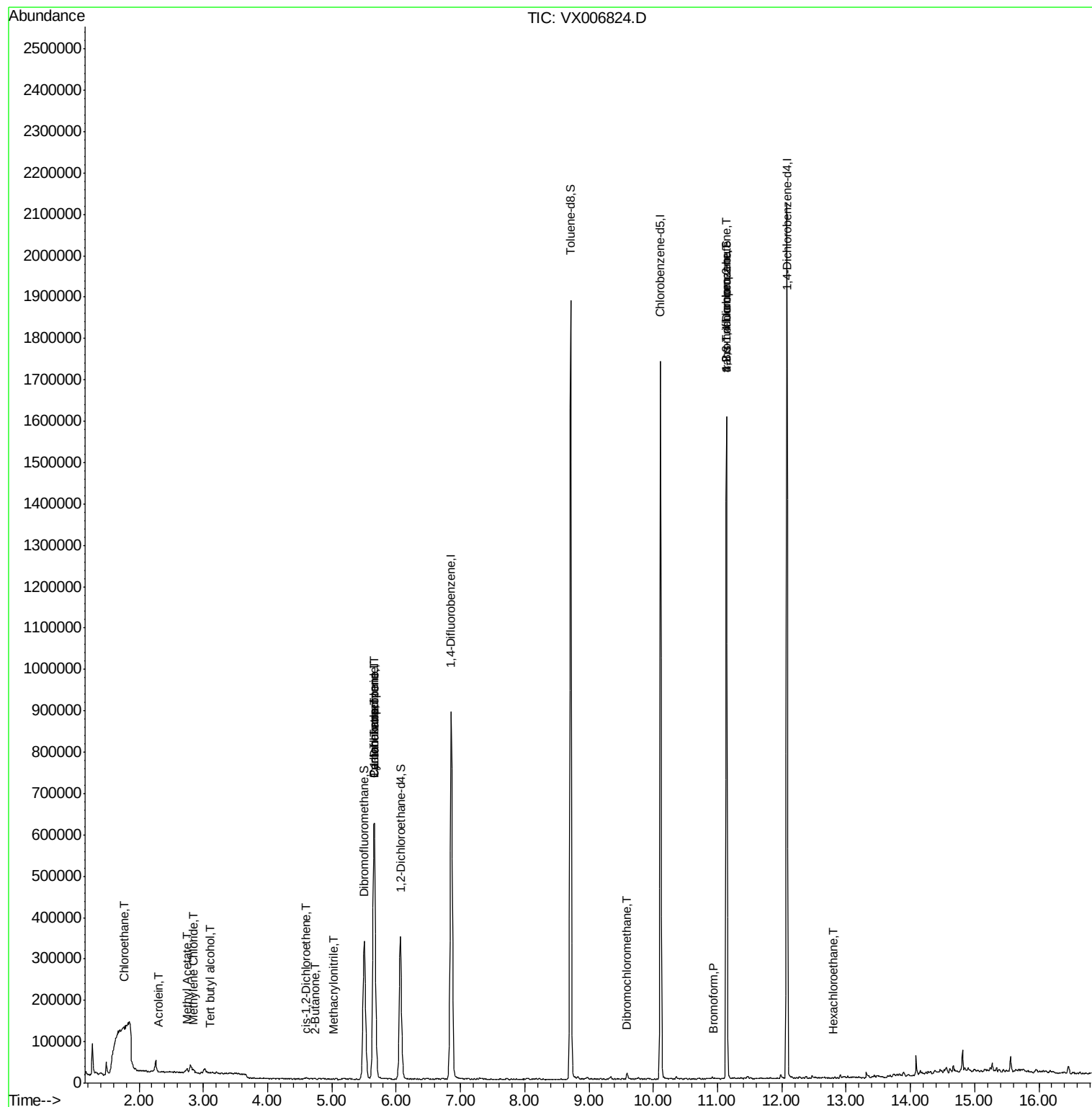
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1535	Below Cal	#	48
6) Chloroethane	1.78	64	1222	0.258	ug/l #	61
11) Tert butyl alcohol	3.11	59	655	0.410	ug/l #	1
13) Acrolein	2.31	56	572	0.531	ug/l #	13
18) Methyl Acetate	2.75	43	2481	0.256	ug/l #	52
20) Methylene Chloride	2.85	84	3672	0.540	ug/l #	85
25) 2-Butanone	4.74	43	2774	0.599	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	1987	0.274	ug/l	46
28) Bromochloromethane	5.03	49	213	Below Cal	#	39
31) Cyclohexane	5.66	56	10806	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	40975	5.155	ug/l #	48
38) Carbon Tetrachloride	5.66	117	58113	7.522	ug/l #	13
41) Methacrylonitrile	5.04	41	975	0.222	ug/l #	37
49) 1,4-Dioxane	7.75	88	45	Below Cal	#	1
60) Dibromochloromethane	9.58	129	161	2.347	ug/l #	10
71) Bromoform	10.94	173	170	4.490	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	191138	22.980	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	191138	68.248	ug/l #	10
90) Hexachloroethane	12.80	117	77	3.310	ug/l	86

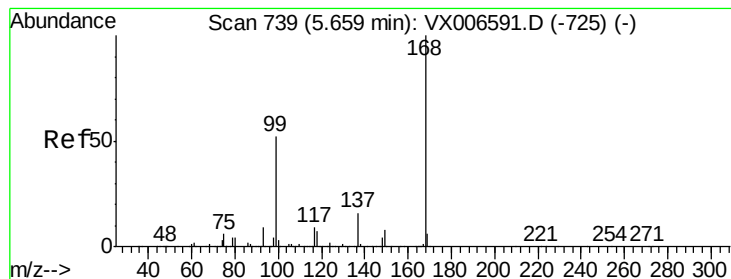
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

Instrument :

MSVOA_X

ClientSampleId :

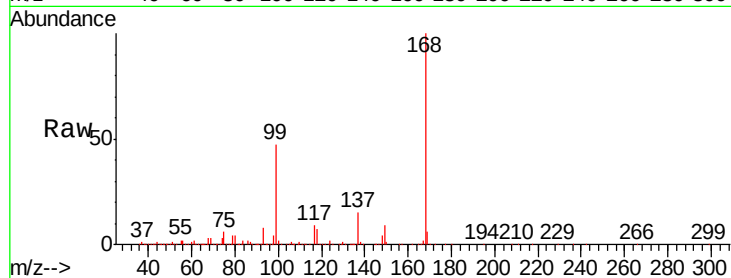
CPIDW02-121218-S

Tgt Ion:168 Resp: 664367

Ion Ratio Lower Upper

168 100

99 47.2 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

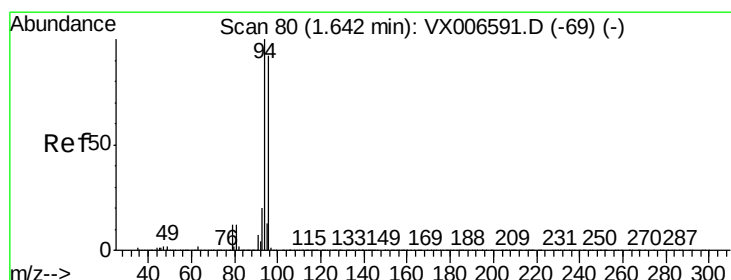
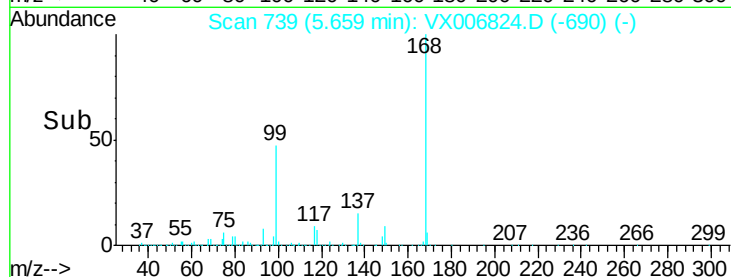
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006824.D

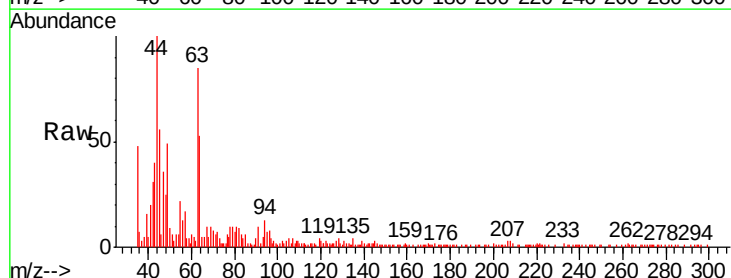
Acq: 26 Dec 2018 17:49

Tgt Ion: 94 Resp: 1535

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

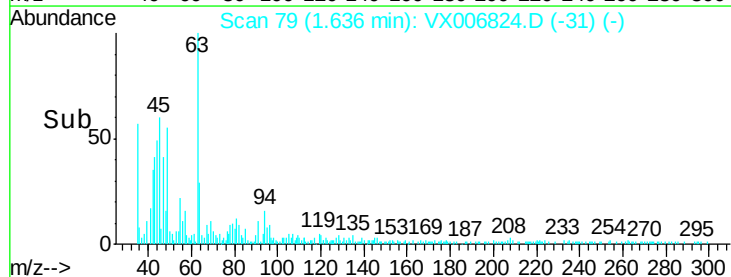
1500

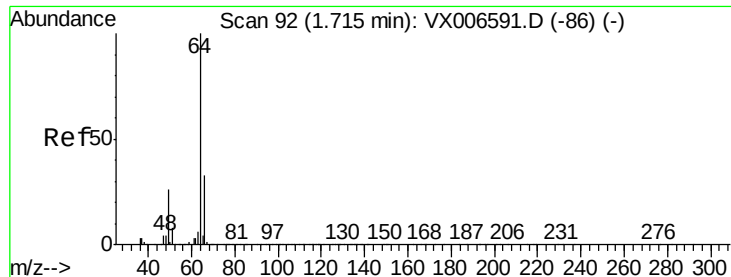
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.258 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

Instrument :

MSVOA_X

ClientSampleId :

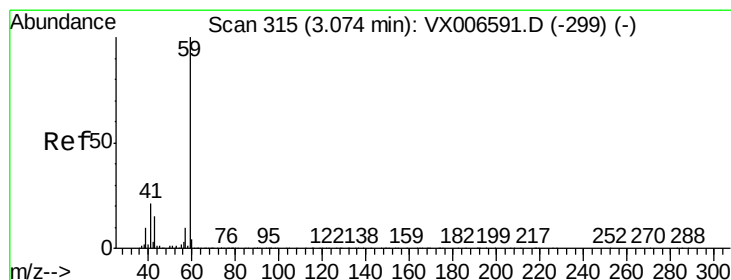
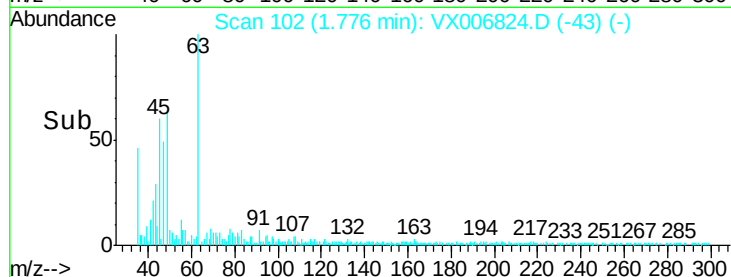
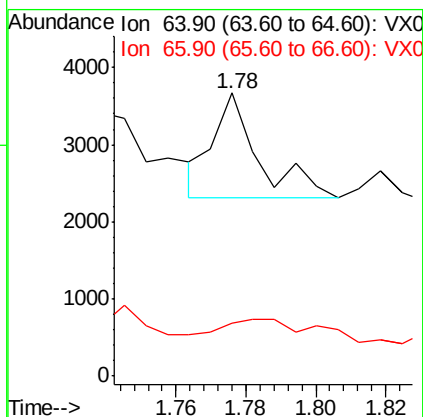
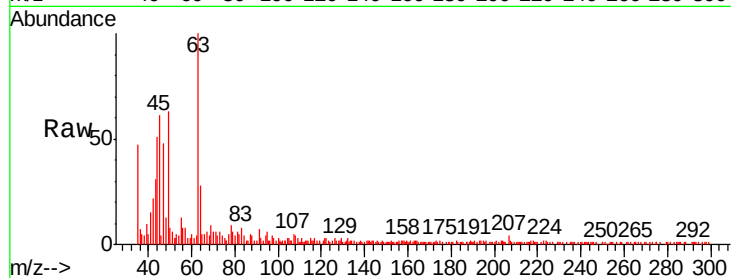
CPIDW02-121218-S

Tgt Ion: 64 Resp: 1222

Ion Ratio Lower Upper

64 100

66 10.8 26.4 39.6#



#11

Tert butyl alcohol

Concen: 0.410 ug/l

RT: 3.11 min Scan# 321

Delta R.T. 0.04 min

Lab File: VX006824.D

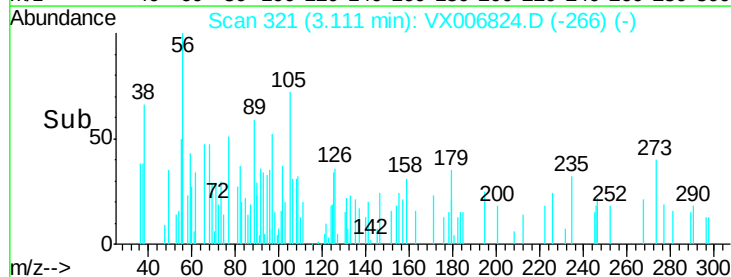
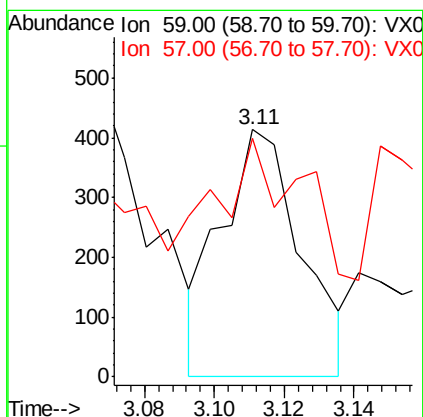
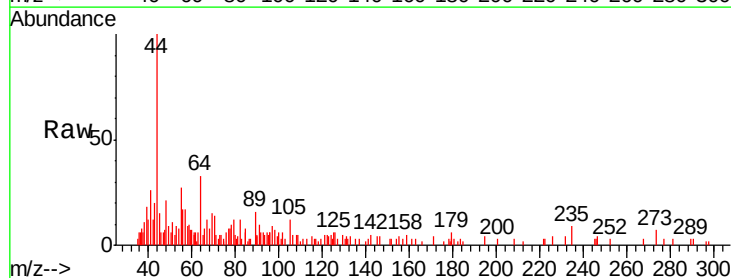
Acq: 26 Dec 2018 17:49

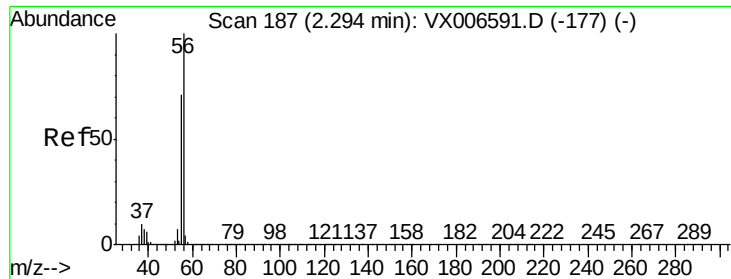
Tgt Ion: 59 Resp: 655

Ion Ratio Lower Upper

59 100

57 60.3 8.5 12.7#





#13

Acrolein

Concen: 0.531 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

Instrument :

MSVOA_X

ClientSampleId :

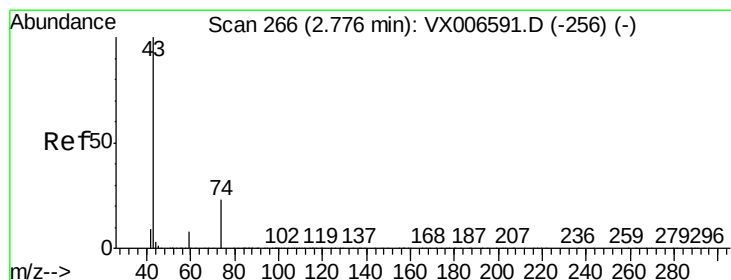
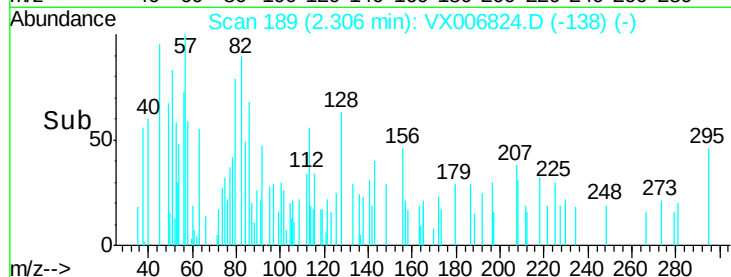
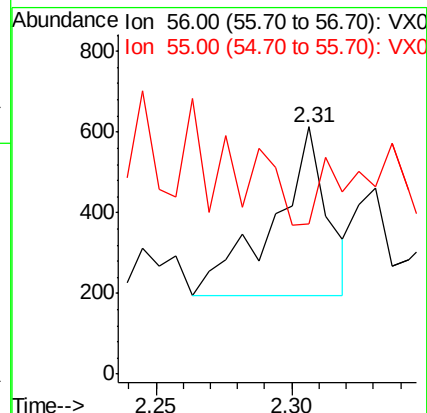
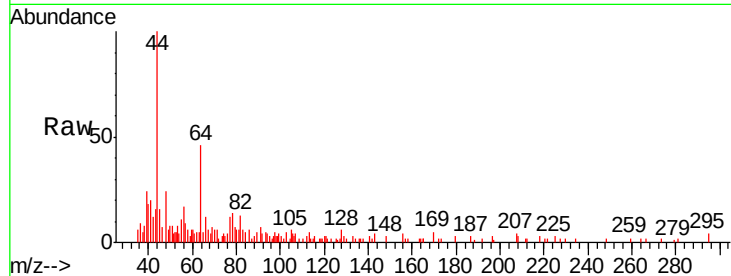
CPIDW02-121218-S

Tgt Ion: 56 Resp: 572

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#18

Methyl Acetate

Concen: 0.256 ug/l

RT: 2.75 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX006824.D

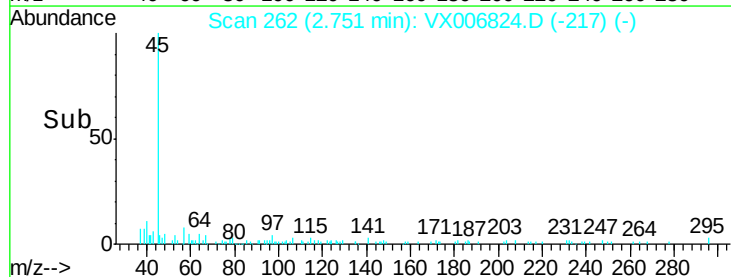
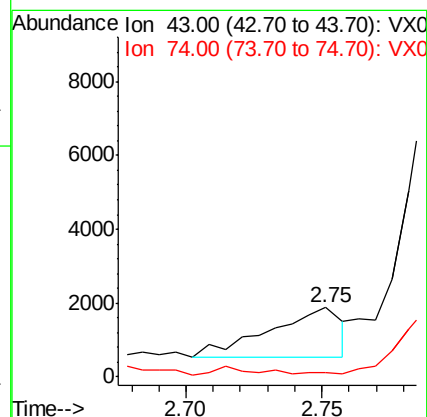
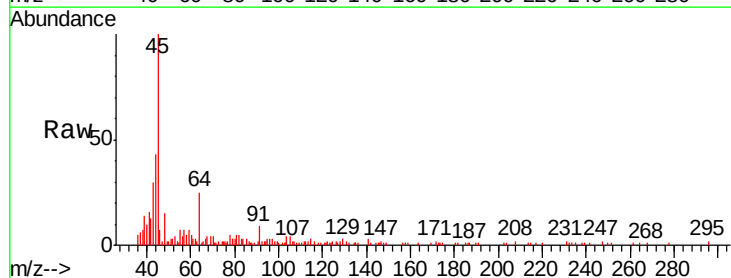
Acq: 26 Dec 2018 17:49

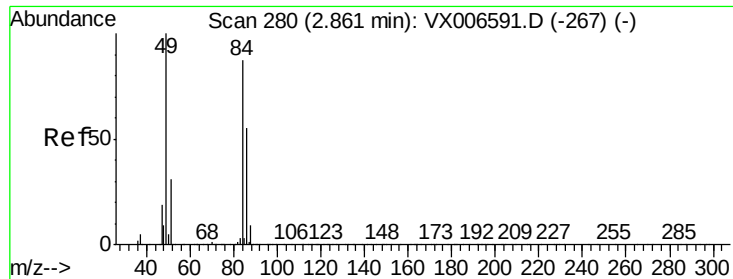
Tgt Ion: 43 Resp: 2481

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



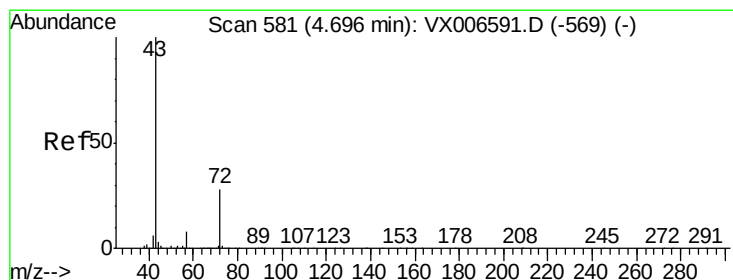
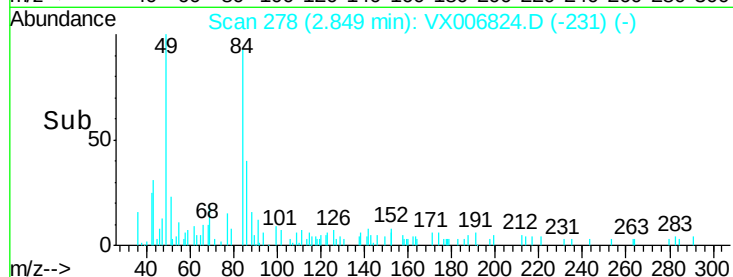
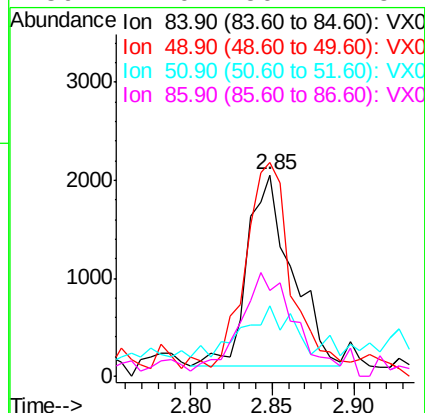
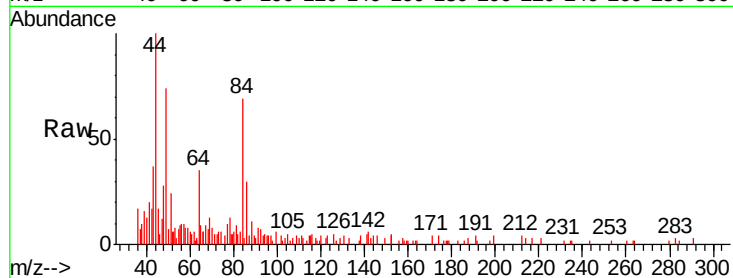


#20
Methylene Chloride
Concen: 0.540 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX006824.D
Acq: 26 Dec 2018 17:49

Instrument :
MSVOA_X
ClientSampleId :
CPIDW02-121218-S

Tgt Ion: 84 Resp: 3672

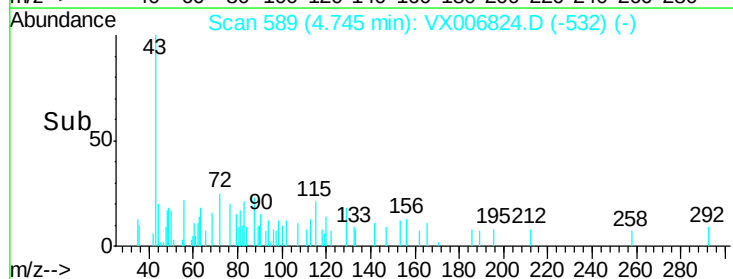
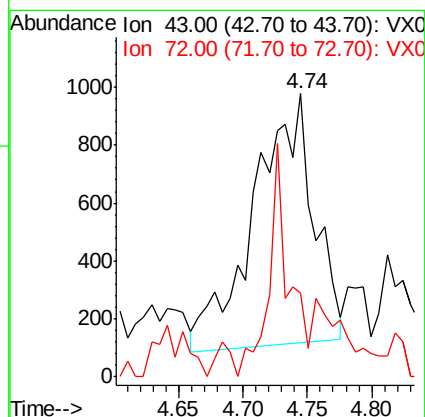
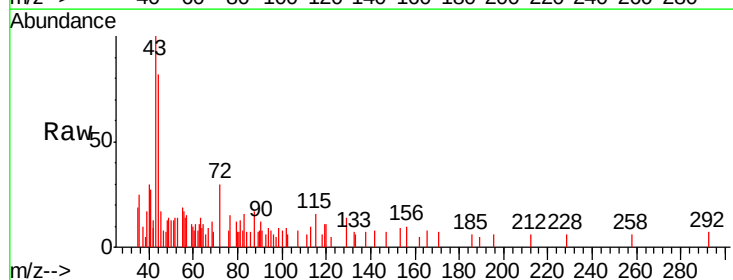
Ion	Ratio	Lower	Upper
84	100		
49	104.3	91.8	137.6
51	27.2	28.5	42.7#
86	42.0	50.2	75.2#

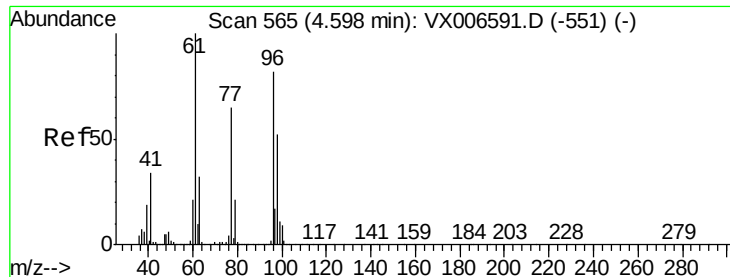


#25
2-Butanone
Concen: 0.599 ug/l
RT: 4.74 min Scan# 589
Delta R.T. 0.05 min
Lab File: VX006824.D
Acq: 26 Dec 2018 17:49

Tgt Ion: 43 Resp: 2774

Ion	Ratio	Lower	Upper
43	100		
72	25.5	22.4	33.6



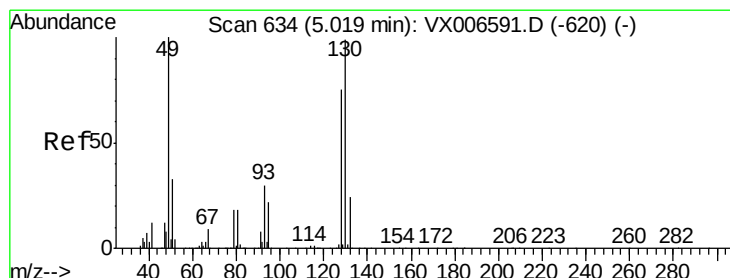
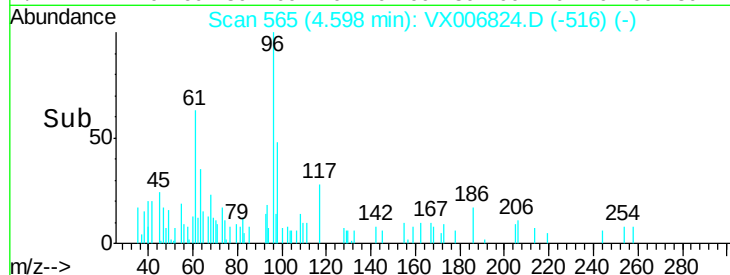
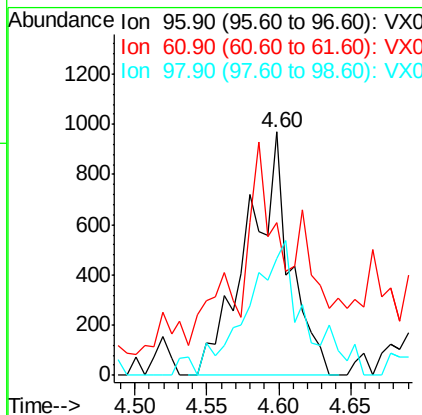
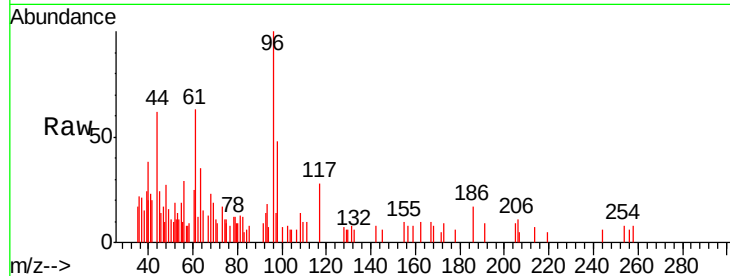


#27

cis-1,2-Dichloroethene
Concen: 0.274 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006824.D
Acq: 26 Dec 2018 17:49

Instrument :
MSVOA_X
ClientSampleId :
CPIDW02-121218-S

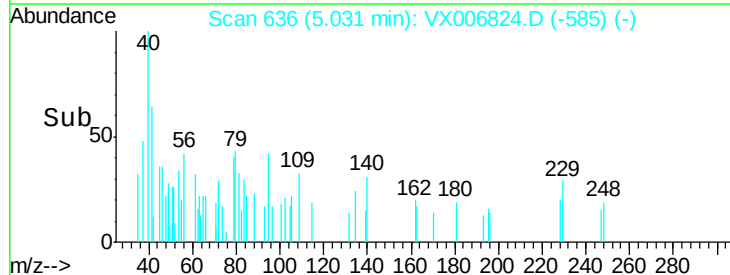
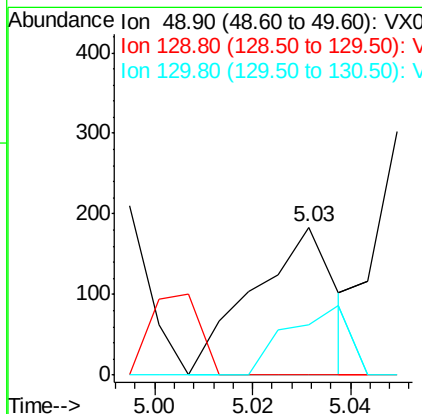
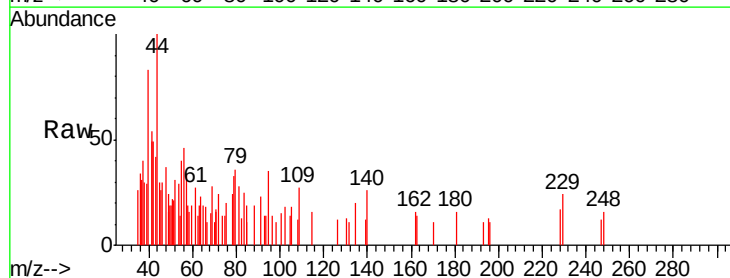
Tgt Ion: 96 Resp: 1987
Ion Ratio Lower Upper
96 100
61 36.2 0.0 258.6
98 64.9 0.0 132.0

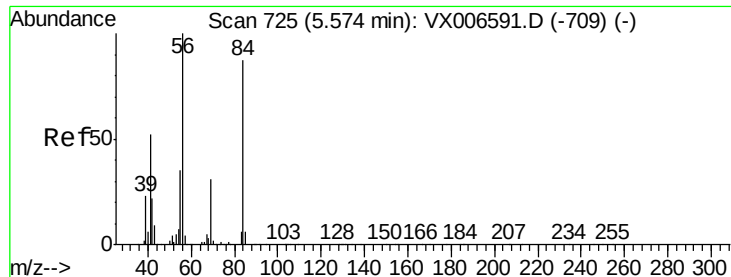


#28

Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX006824.D
Acq: 26 Dec 2018 17:49

Tgt Ion: 49 Resp: 213
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 35.2 77.7 116.5#





#31

Cyclohexane

Concen: 1.090 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

Instrument :

MSVOA_X

ClientSampleId :

CPIDW02-121218-S

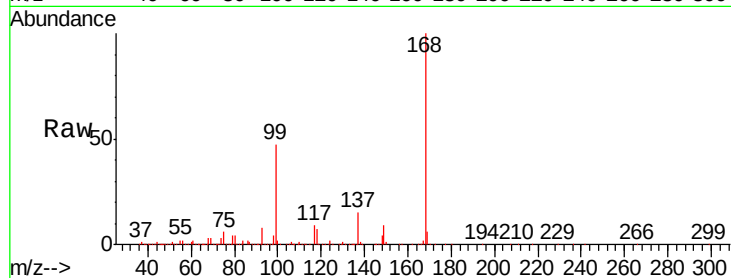
Tgt Ion: 56 Resp: 10806

Ion Ratio Lower Upper

56 100

69 203.1 24.4 36.6#

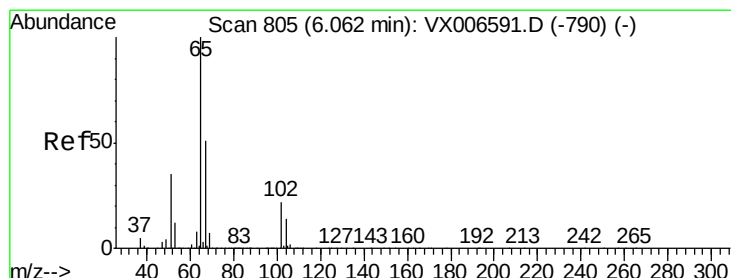
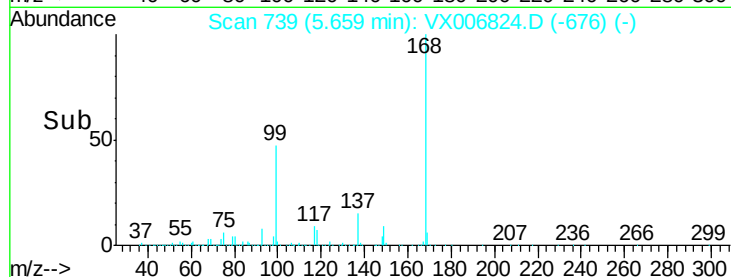
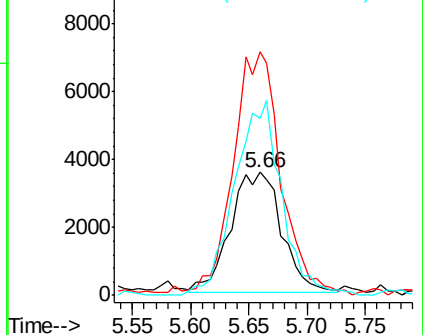
84 146.5 70.0 105.0#



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: 44.592 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006824.D

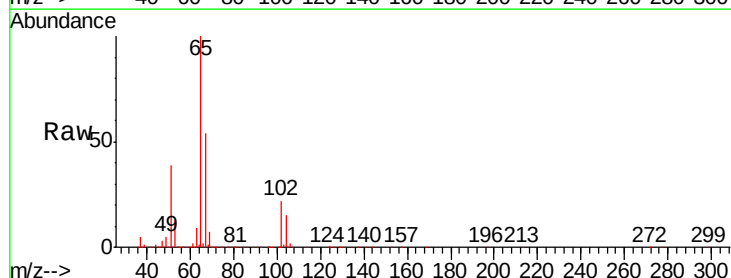
Acq: 26 Dec 2018 17:49

Tgt Ion: 65 Resp: 319288

Ion Ratio Lower Upper

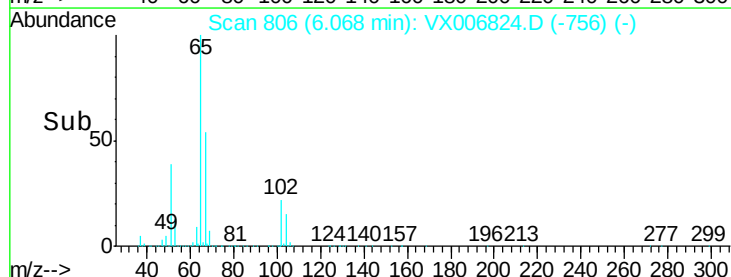
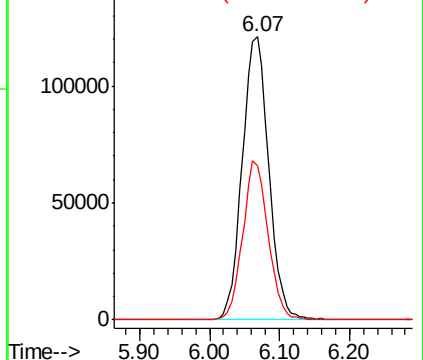
65 100

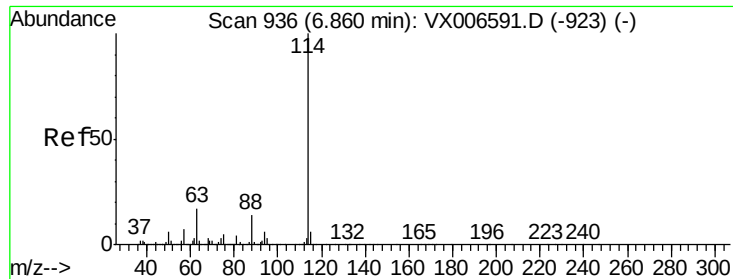
67 53.7 0.0 105.0



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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

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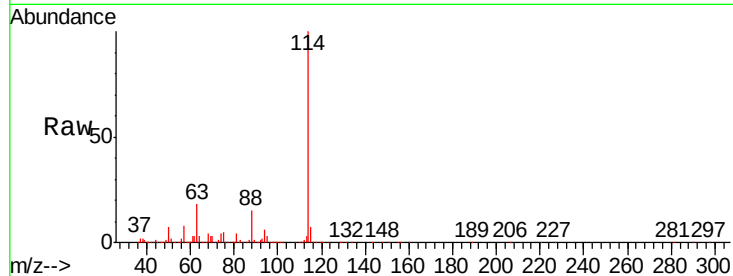
Tgt Ion:114 Resp: 959766

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

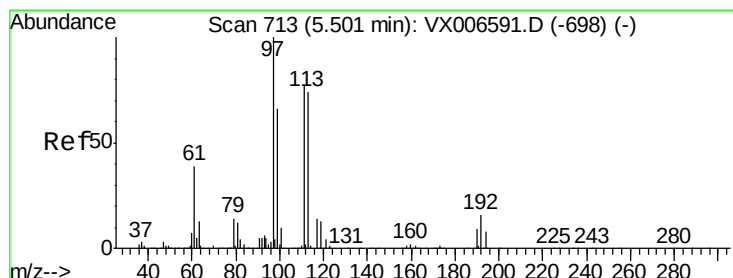
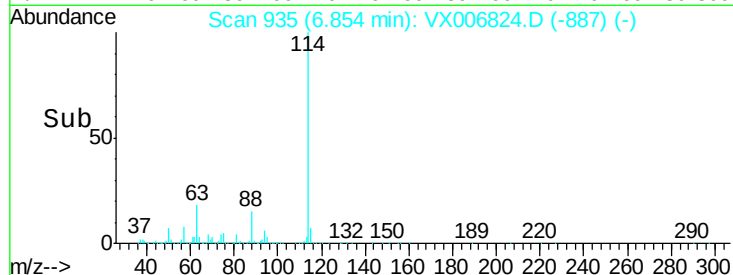
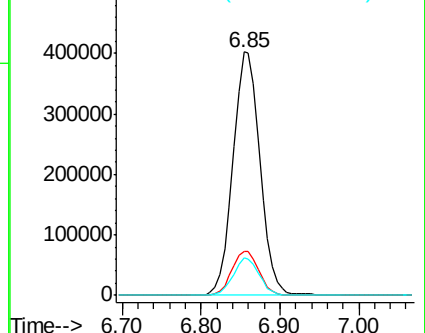
88 15.4 0.0 28.8



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: 46.037 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

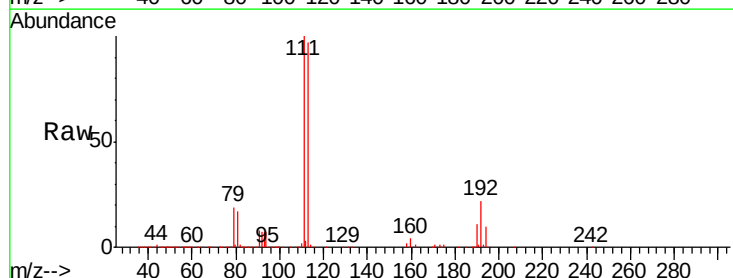
Tgt Ion:113 Resp: 279417

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

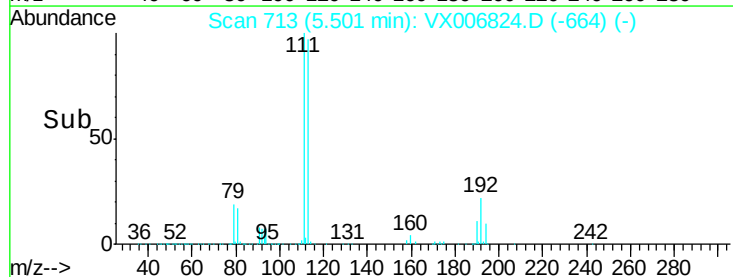
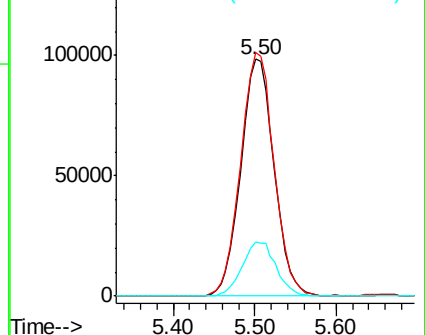
192 23.3 16.7 25.1

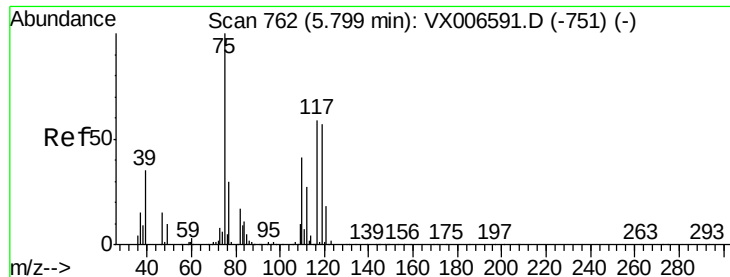


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

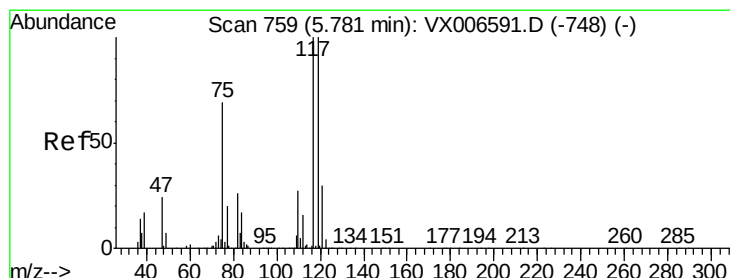
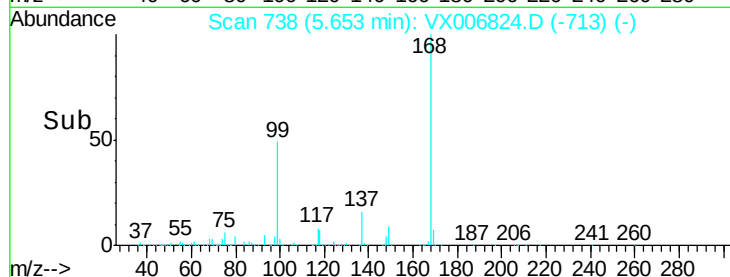
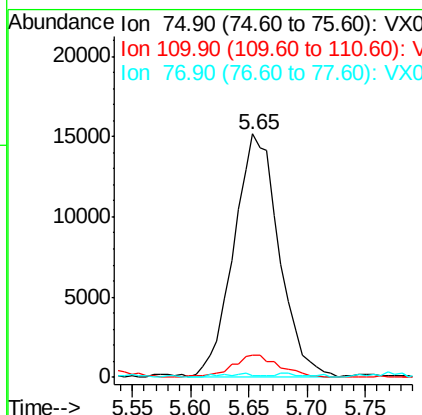
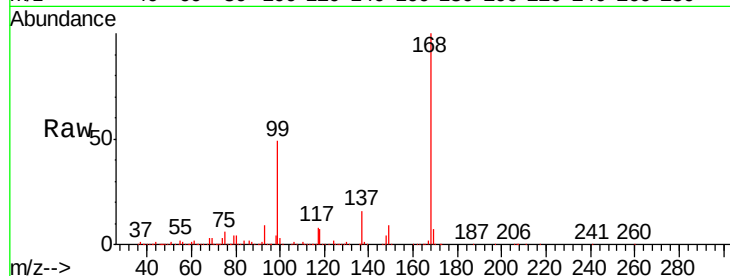




#36
 1,1-Dichloropropene
 Concen: 5.155 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX006824.D
 Acq: 26 Dec 2018 17:49

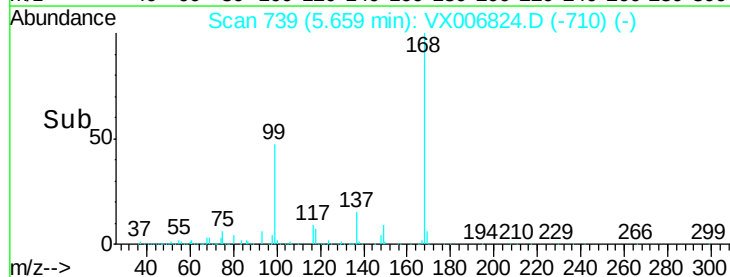
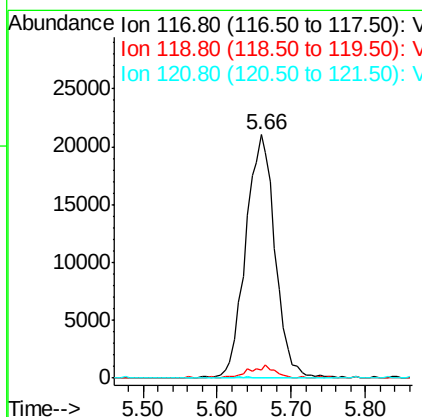
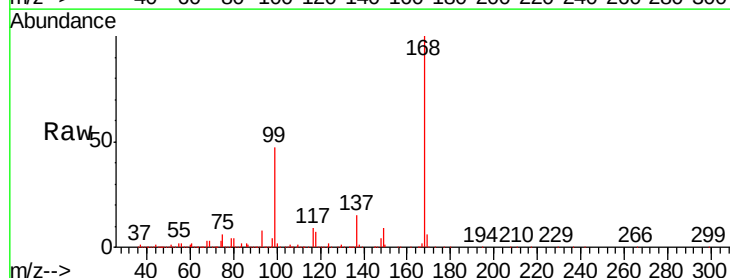
Instrument :
 MSVOA_X
 ClientSampleId :
 CPIDW02-121218-S

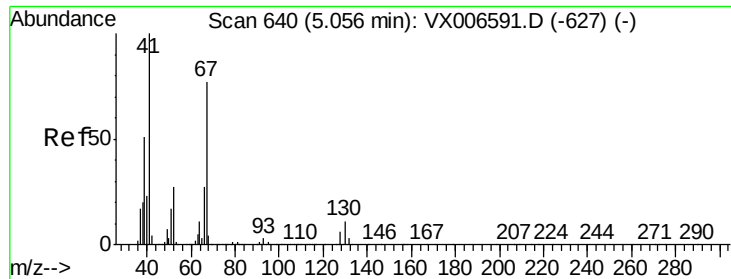
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	20.2	60.5#
77	1.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.522 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006824.D
 Acq: 26 Dec 2018 17:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.2	79.4	119.2#
121	0.0	24.0	36.0#

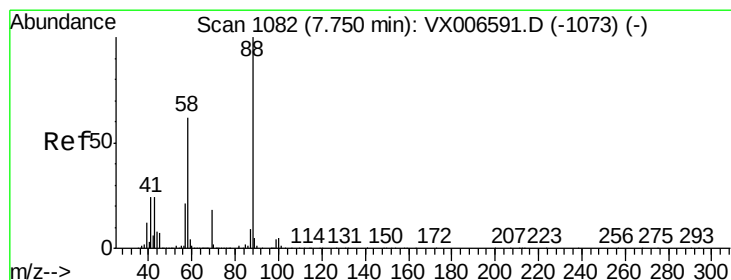
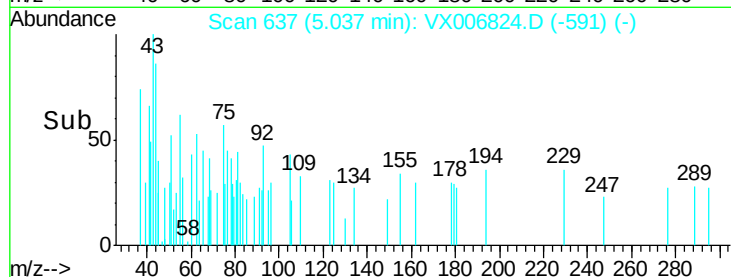
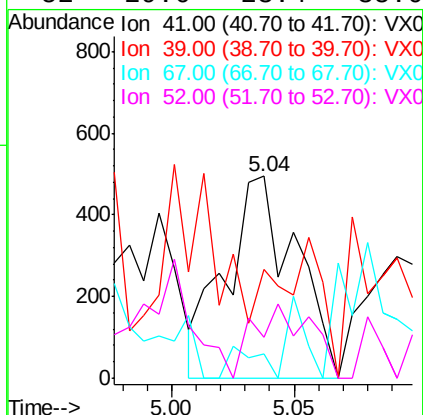
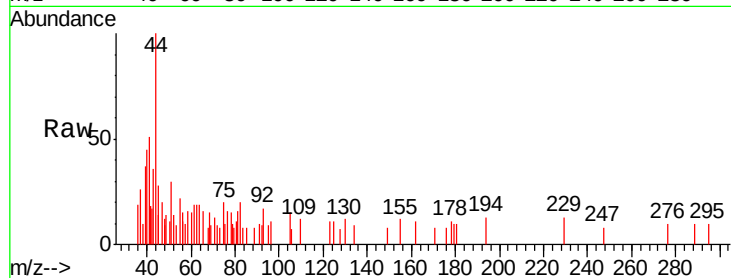




#41
Methacrylonitrile
Concen: 0.222 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.02 min
Lab File: VX006824.D
Acq: 26 Dec 2018 17:49

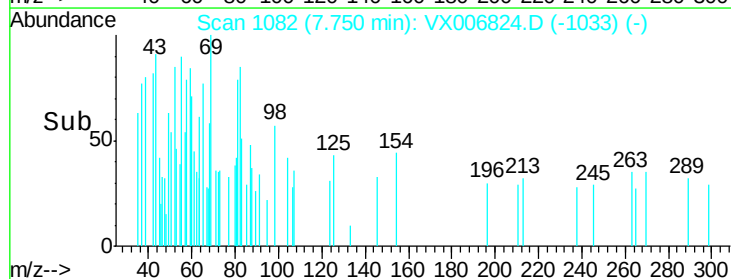
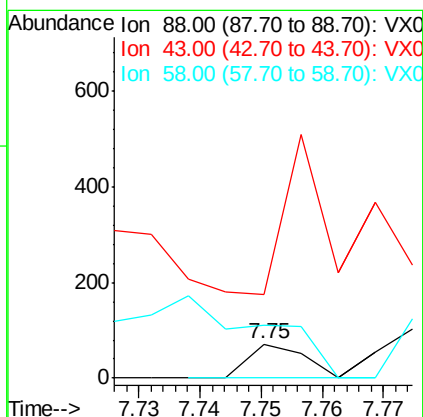
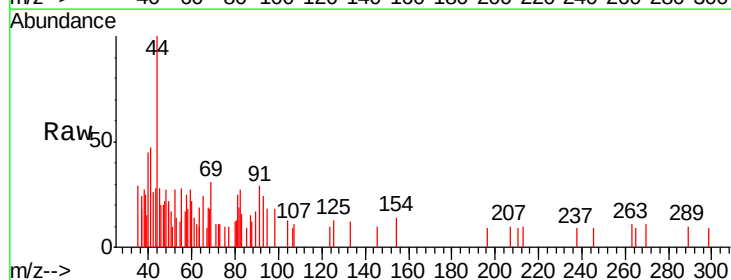
Instrument :
MSVOA_X
ClientSampleId :
CPIDW02-121218-S

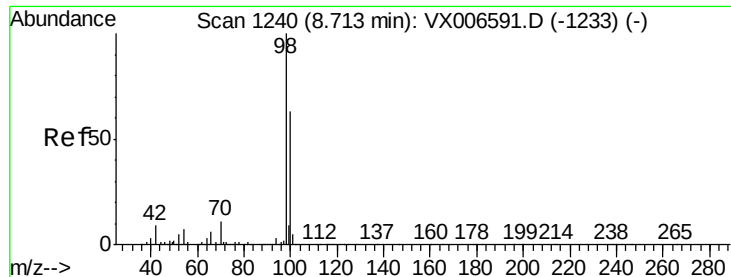
Tgt Ion:	41	Resp:	975
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.8	64.2#
67	10.4	62.1	93.1#
52	29.6	23.4	35.0



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006824.D
Acq: 26 Dec 2018 17:49

Tgt Ion:	88	Resp:	45
Ion	Ratio	Lower	Upper
88	100		
43	853.3	22.2	33.4#
58	0.0	51.0	76.4#





#50

Toluene-d8

Concen: 48.786 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

Instrument :

MSVOA_X

ClientSampleId :

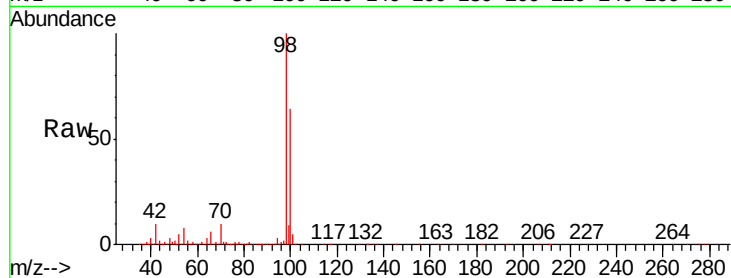
CPIDW02-121218-S

Tgt Ion: 98 Resp: 1116301

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

800000

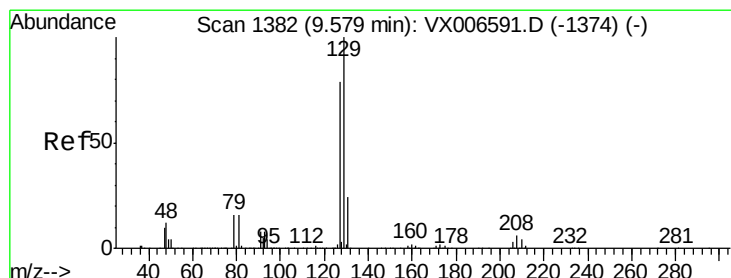
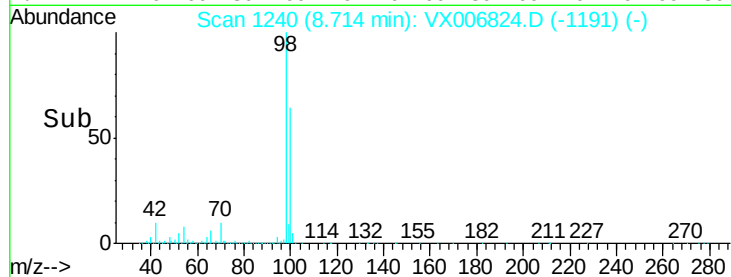
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 2.347 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX006824.D

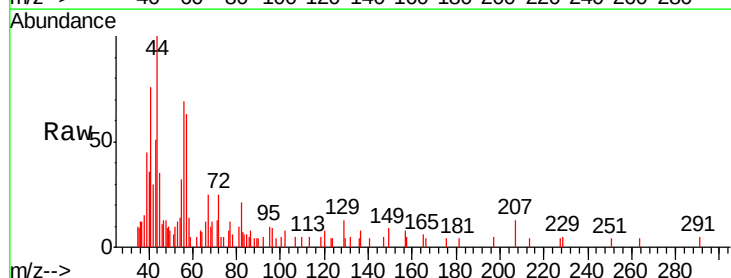
Acq: 26 Dec 2018 17:49

Tgt Ion: 129 Resp: 161

Ion Ratio Lower Upper

129 100

127 0.0 39.3 117.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

250

200

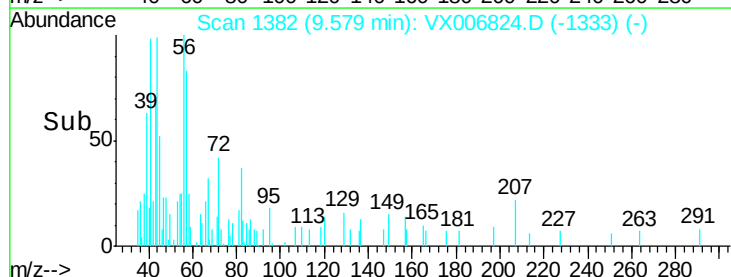
150

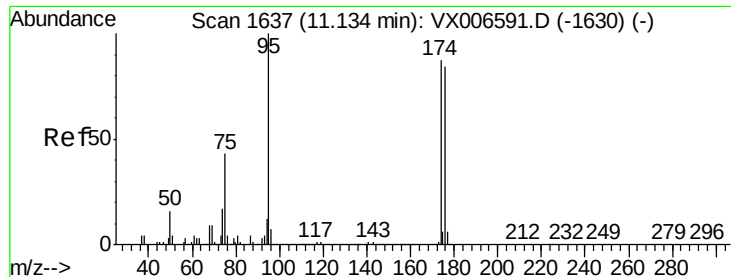
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 48.319 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

Instrument :

MSVOA_X

ClientSampleId :

CPIDW02-121218-S

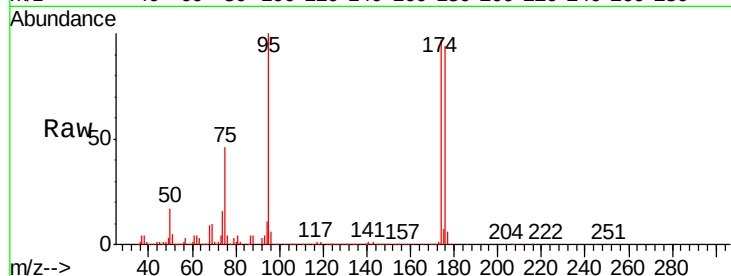
Tgt Ion: 95 Resp: 404922

Ion Ratio Lower Upper

95 100

174 93.6 0.0 182.2

176 90.7 0.0 178.8

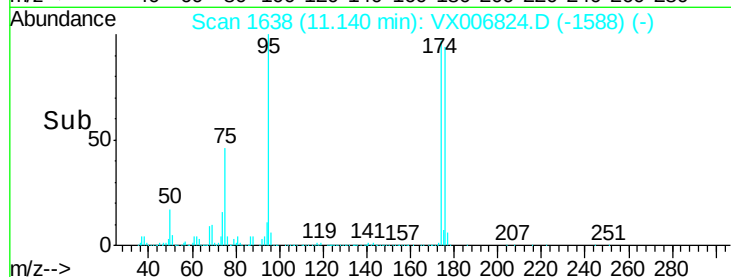


Abundance Ion 94.90 (94.60 to 95.60): VX0

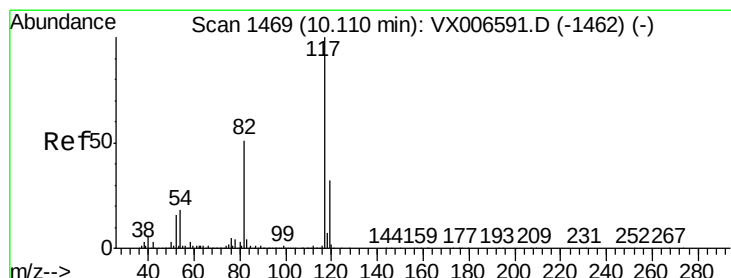
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time--> 11.05 11.10 11.15 11.20



Time--> 11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

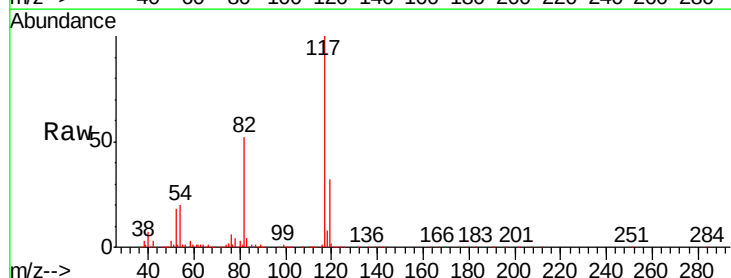
Tgt Ion: 117 Resp: 854089

Ion Ratio Lower Upper

117 100

82 51.8 41.0 61.6

119 31.6 25.4 38.0

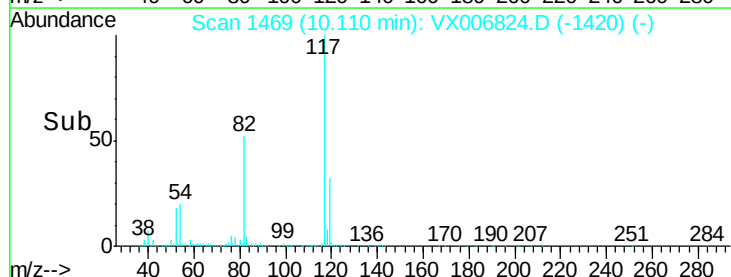


Abundance Ion 116.90 (116.60 to 117.60): V

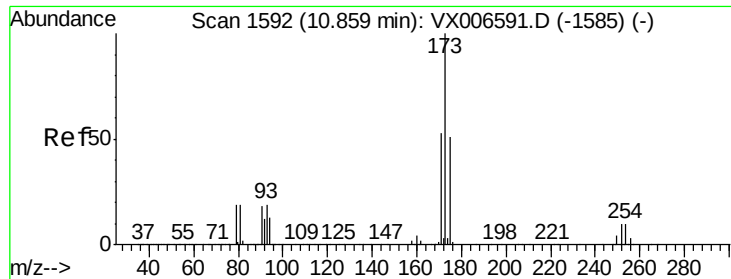
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time--> 10.10 10.15 10.20



Time--> 10.10 10.15 10.20



#71

Bromoform

Concen: 4.490 ug/l

RT: 10.94 min Scan# 1605

Delta R.T. 0.08 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

Instrument :

MSVOA_X

ClientSampleId :

CPIDW02-121218-S

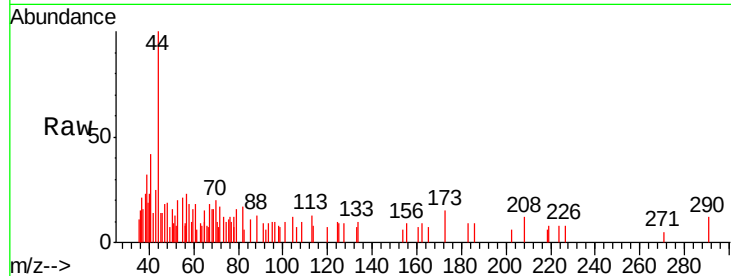
Tgt Ion:173 Resp: 170

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

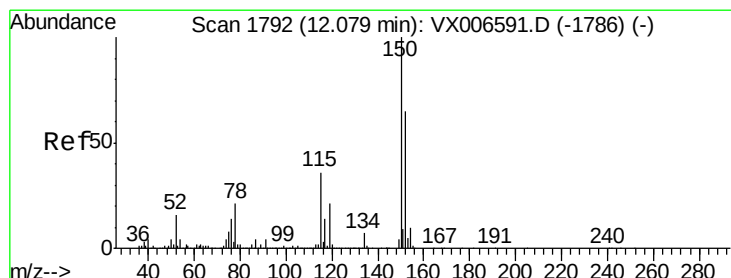
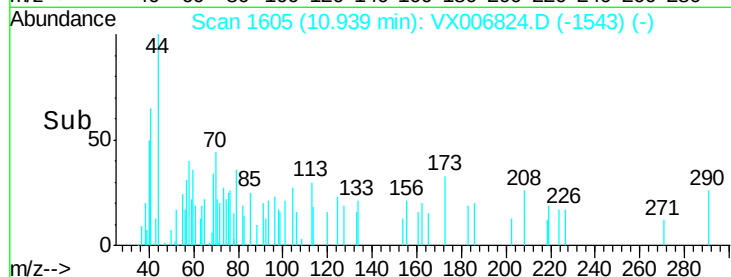
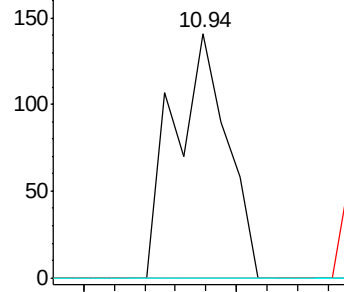
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX006824.D

Acq: 26 Dec 2018 17:49

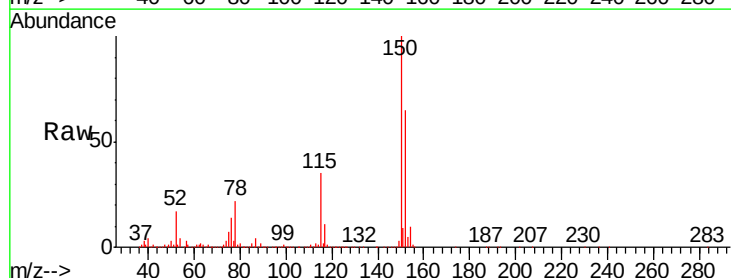
Tgt Ion:152 Resp: 447555

Ion Ratio Lower Upper

152 100

115 54.5 39.1 117.2

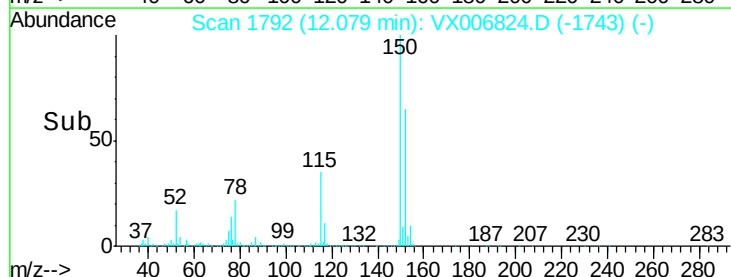
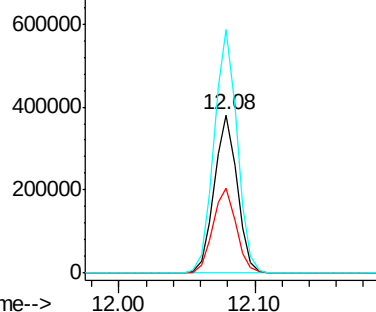
150 154.8 0.0 344.8

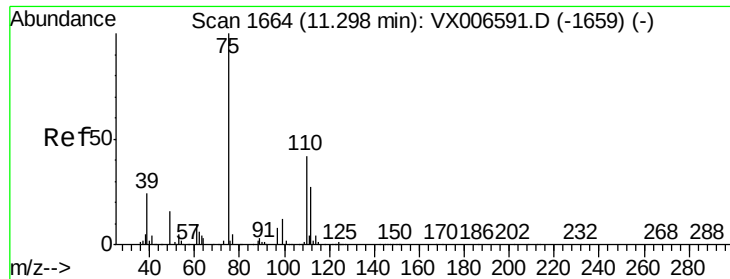


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.980 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

Instrument :

MSVOA_X

ClientSampleId :

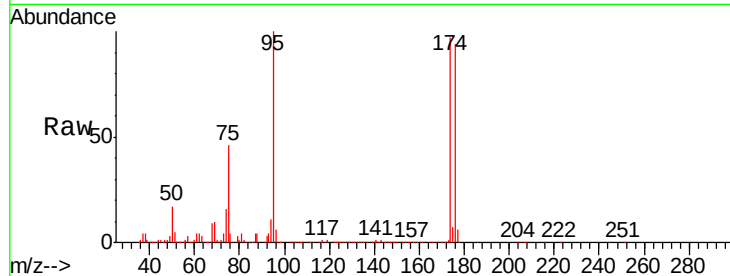
CPIDW02-121218-S

Tgt Ion: 75 Resp: 191138

Ion Ratio Lower Upper

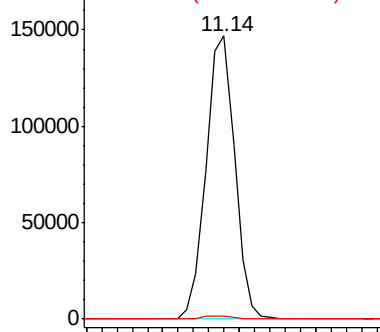
75 100

77 1.3 18.5 55.5#

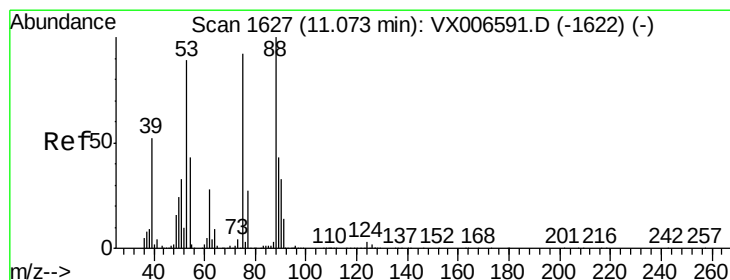
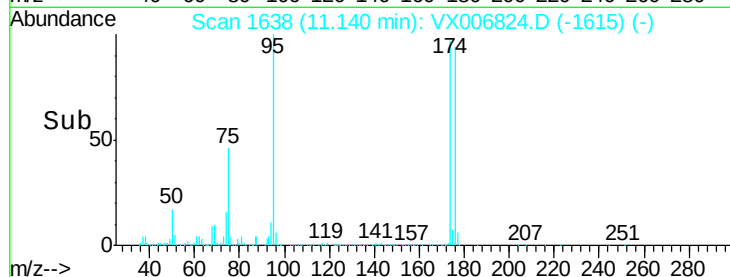


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 68.248 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

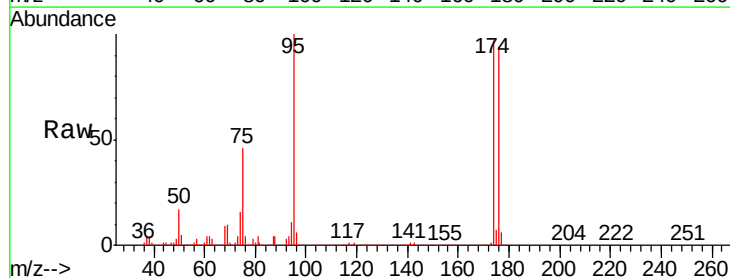
Tgt Ion: 75 Resp: 191138

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

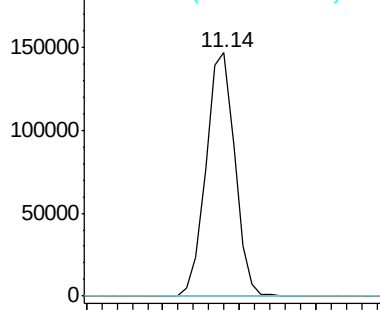
89 0.0 38.0 57.0#



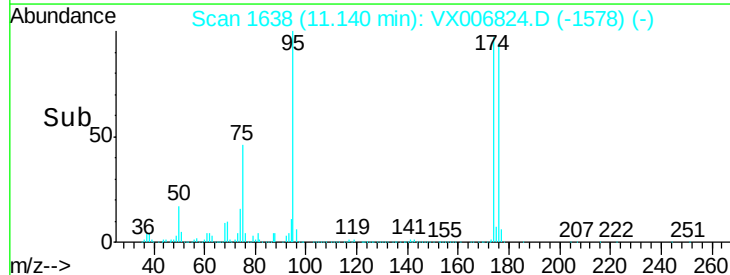
Abundance Ion 74.90 (74.60 to 75.60): VX0

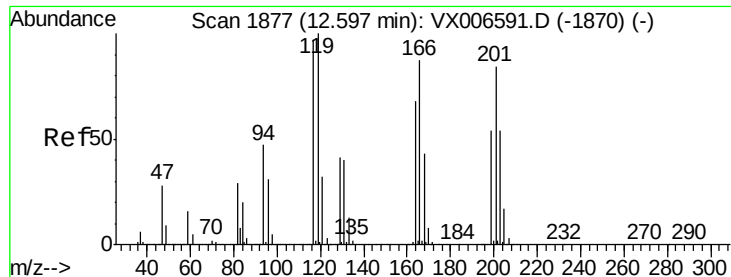
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time--> 11.05 11.10 11.15 11.20





#90

Hexachloroethane

Concen: 3.310 ug/l

RT: 12.80 min Scan# 1910

Delta R.T. 0.20 min

Lab File: VX006824.D

Acq: 26 Dec 2018 17:49

Instrument :

MSVOA_X

ClientSampleId :

CPIDW02-121218-S

Tgt Ion:117 Resp: 77

Ion Ratio Lower Upper

117 100

201 72.7 42.9 128.7

