

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000294.D
 Acq On : 13 Mar 2018 12:28
 Operator : JC/MD
 Sample : J1901-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DREDGE-DECANT-WATER

Quant Time: Mar 13 14:42:22 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	140471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	229643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	218085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	118254	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	89015	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	
35) Dibromofluoromethane	5.51	113	67189	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
50) Toluene-d8	8.73	98	264982	44.35	ug/l	0.00
Spiked Amount			Recovery	=	88.70%	
62) 4-Bromofluorobenzene	11.15	95	98393	42.19	ug/l	0.00
Spiked Amount			Recovery	=	84.38%	

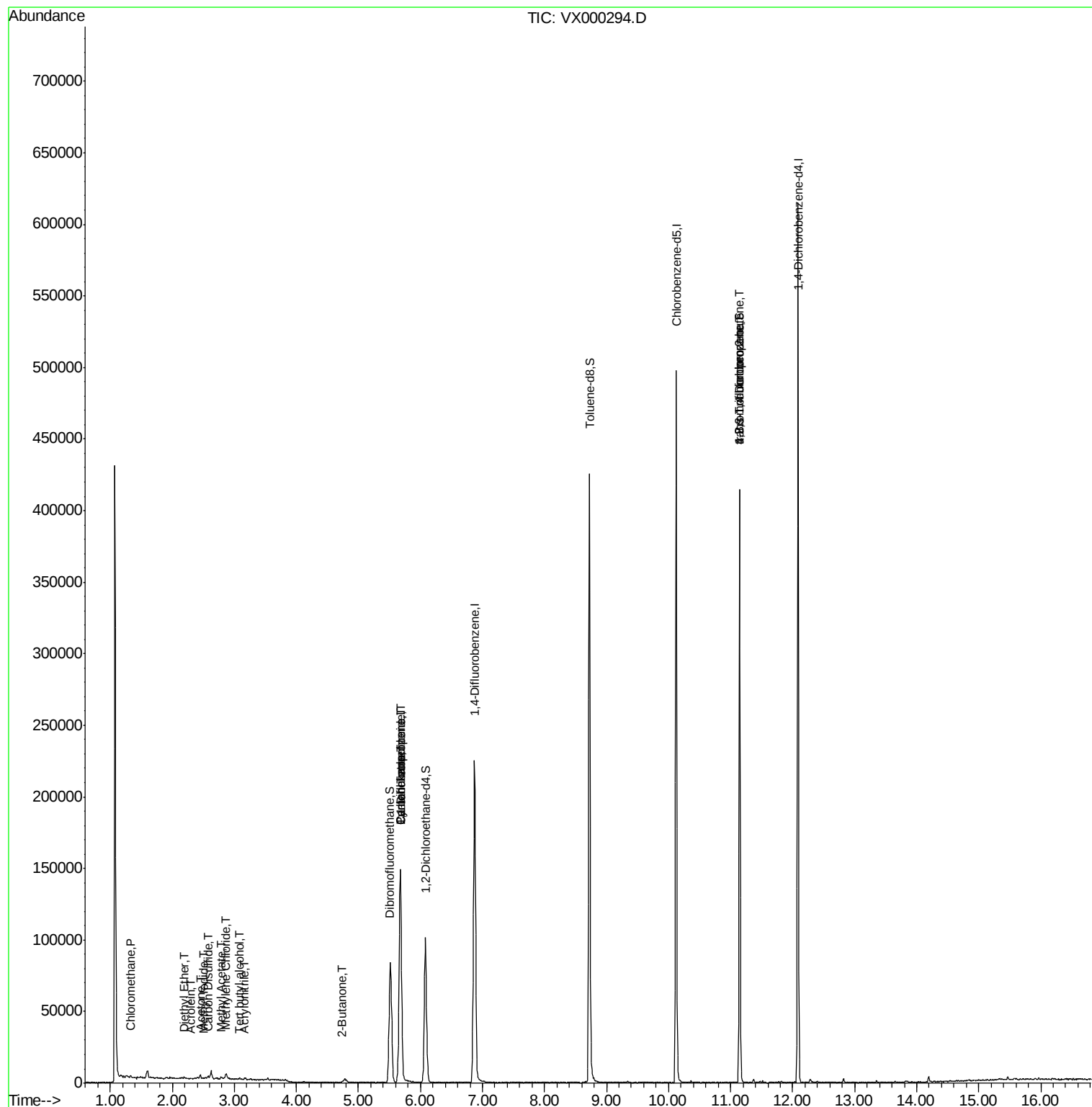
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	836	0.56	ug/l	# 78
5) Bromomethane	1.65	94	524	Below	Cal	# 93
6) Chloroethane	1.72	64	320	Below	Cal	# 42
8) Diethyl Ether	2.19	74	235	0.22	ug/l	# 1
10) Methyl Iodide	2.51	142	489	3.42	ug/l	# 67
11) Tert butyl alcohol	3.08	59	681	0.95	ug/l	# 81
13) Acrolein	2.29	56	126	0.33	ug/l	# 21
15) Acrylonitrile	3.16	53	431	0.35	ug/l	# 80
16) Acetone	2.46	43	2631	1.88	ug/l	# 94
17) Carbon Disulfide	2.58	76	1497	0.37	ug/l	# 72
18) Methyl Acetate	2.79	43	1699	0.57	ug/l	# 84
20) Methylene Chloride	2.87	84	1726	1.03	ug/l	# 75
25) 2-Butanone	4.73	43	652	0.38	ug/l	# 50
31) Cyclohexane	5.67	56	3335	1.57	ug/l	# 26
36) 1,1-Dichloropropene	5.67	75	11407	5.58	ug/l	# 51
38) Carbon Tetrachloride	5.68	117	13990	6.77	ug/l	# 15
76) 1,2,3-Trichloropropane	11.15	75	54299	22.91	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.15	75	54299	70.14	ug/l	# 10

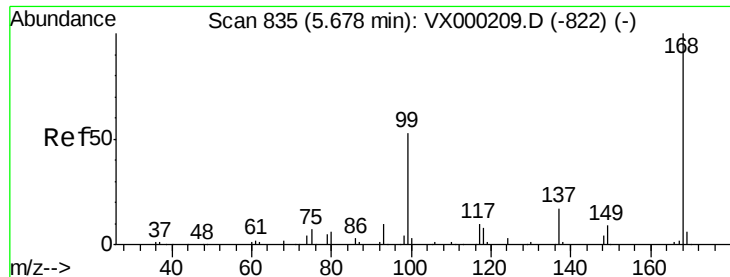
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

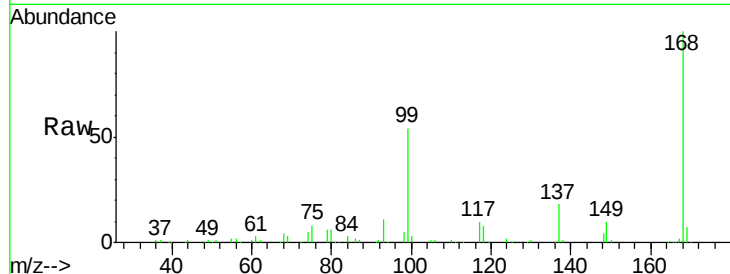
DREDGE-DECANT-WATER

Tot Ion:168 Resp: 140471

Ion Ratio Lower Upper

168 100

99 53.7 42.8 64.2

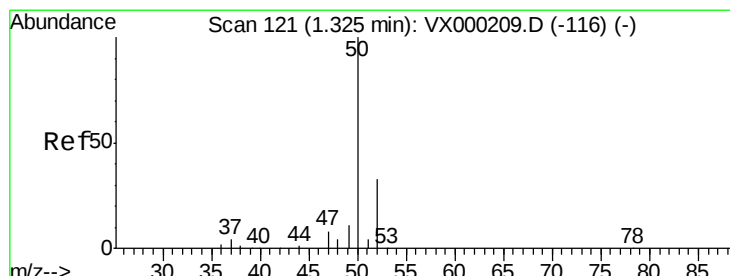
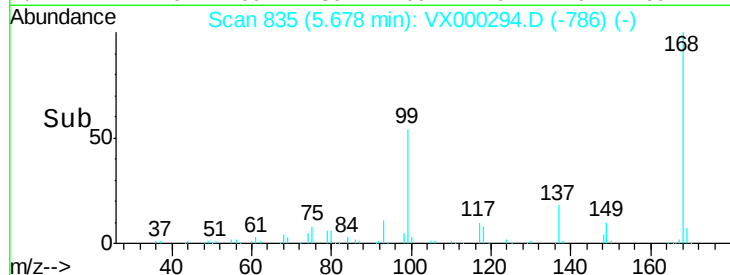


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

Time-->



#3

Chloromethane

Concen: 0.56 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000294.D

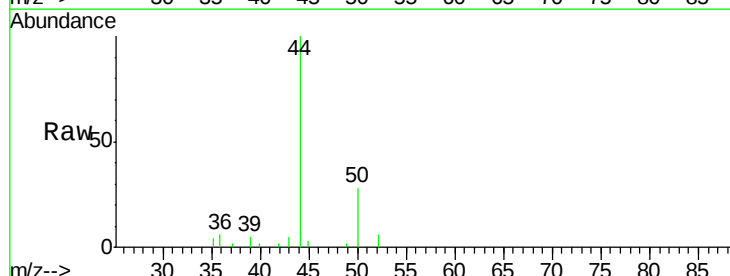
Acq: 13 Mar 2018 12:28

Tgt Ion: 50 Resp: 836

Ion Ratio Lower Upper

50 100

52 20.5 26.2 39.2#

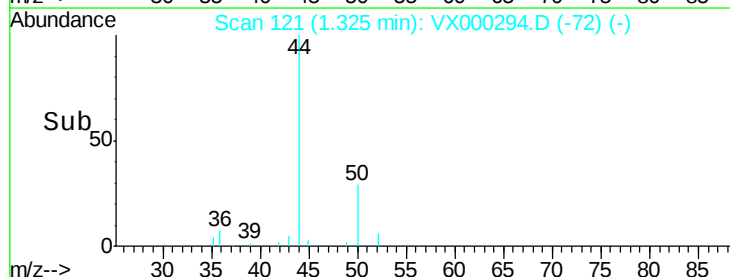


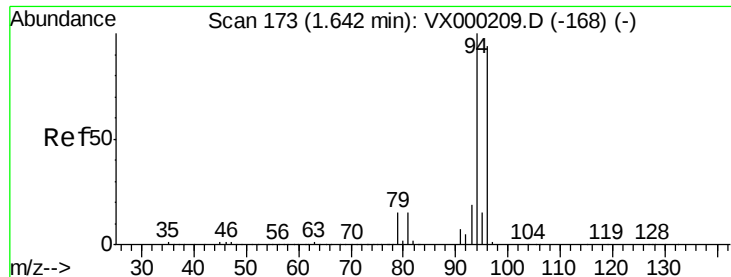
Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

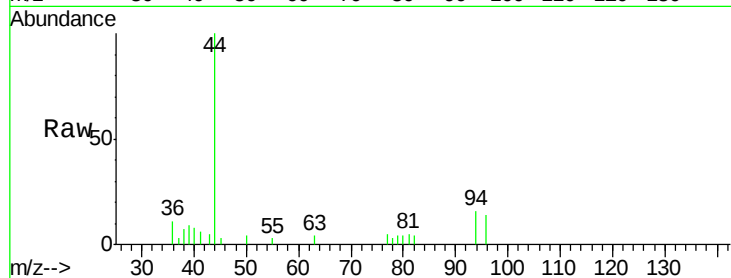
DREDGE-DECANT-WATER

Tot Ion: 94 Resp: 524

Ion Ratio Lower Upper

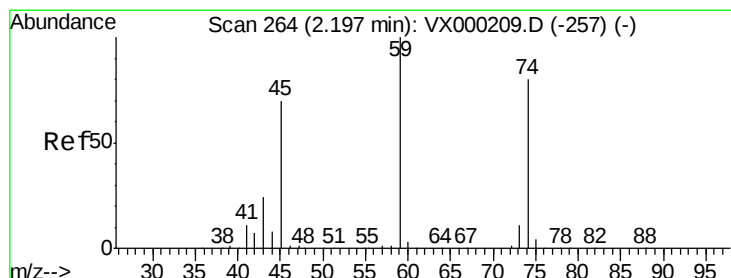
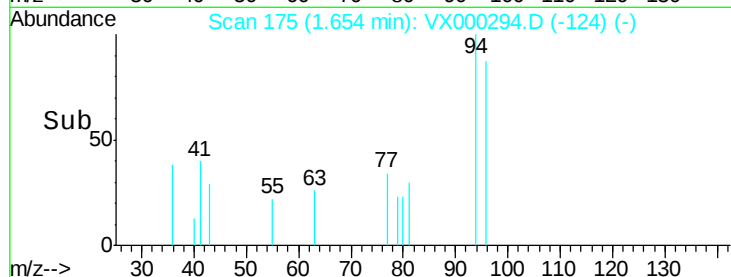
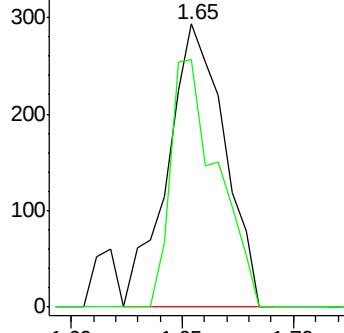
94 100

96 87.4 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.22 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX000294.D

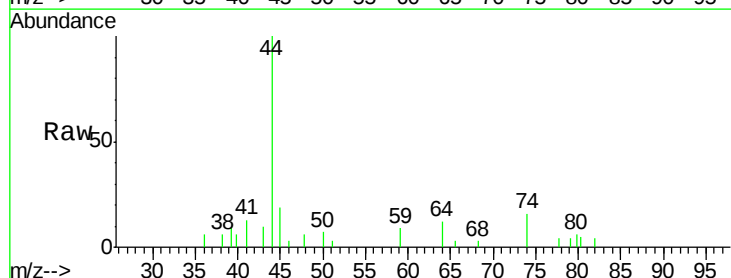
Acq: 13 Mar 2018 12:28

Tgt Ion: 74 Resp: 235

Ion Ratio Lower Upper

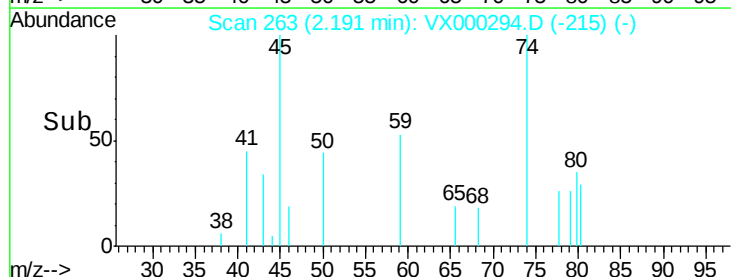
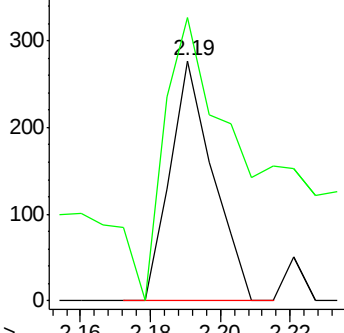
74 100

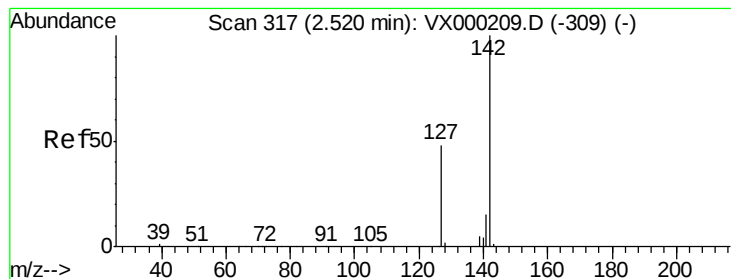
45 272.3 47.2 141.6#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methvl Iodide

Concen: 3.42 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

DREDGE-DECANT-WATER

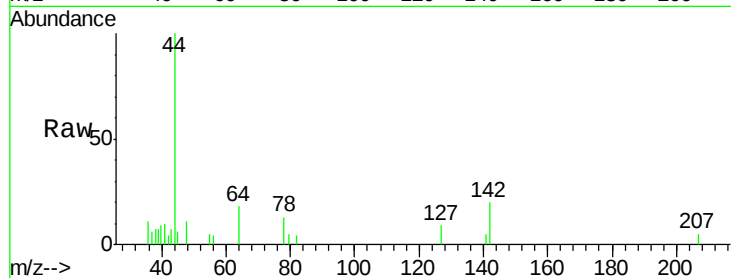
Tot Ion:142 Resp: 489

Ion Ratio Lower Upper

142 100

127 21.5 39.0 58.6#

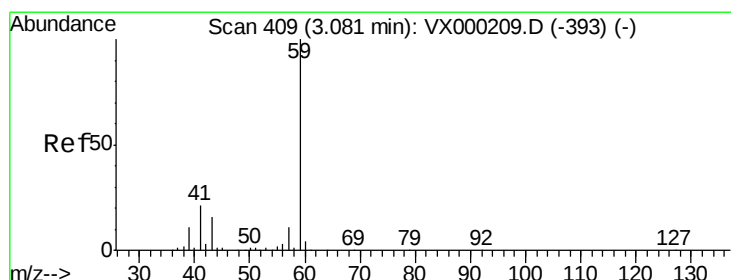
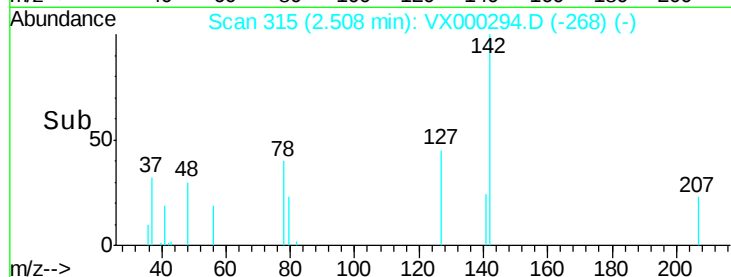
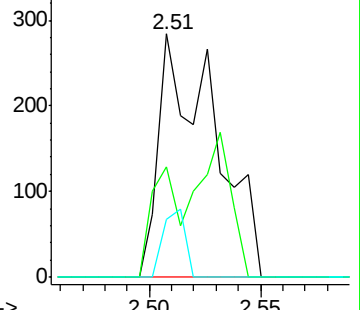
141 10.8 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.95 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX000294.D

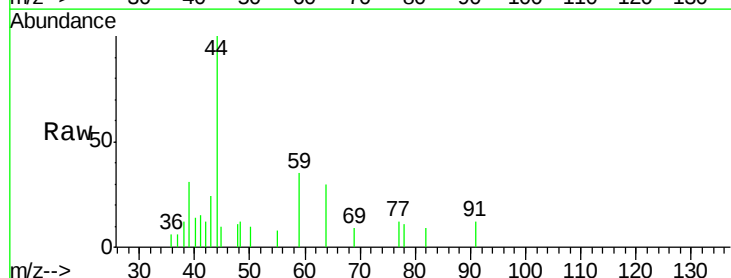
Acq: 13 Mar 2018 12:28

Tgt Ion: 59 Resp: 681

Ion Ratio Lower Upper

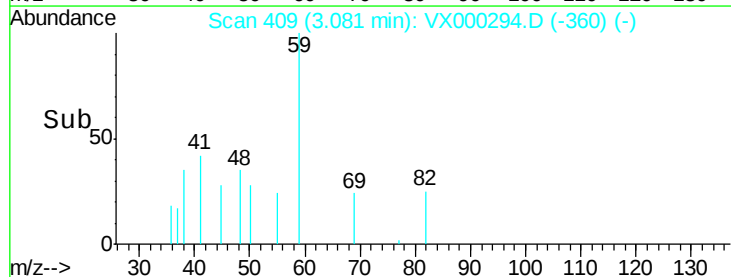
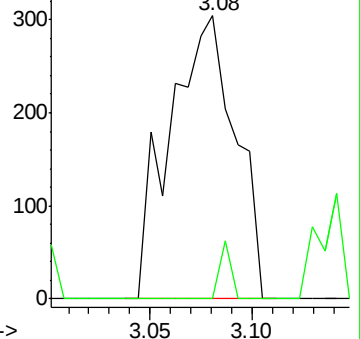
59 100

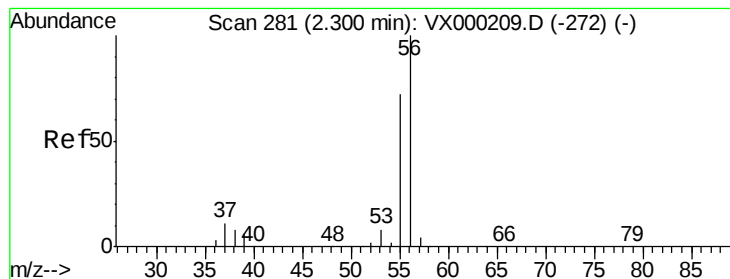
57 3.4 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.33 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

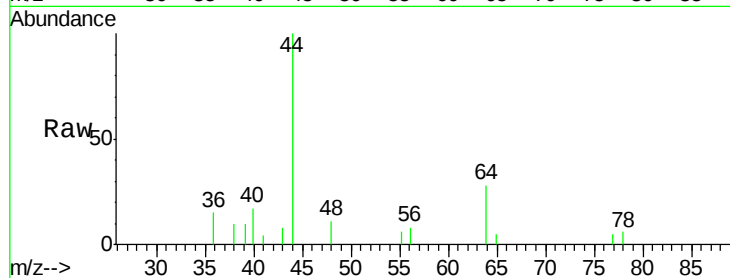
DREDGE-DECANT-WATER

Tot Ion: 56 Resp: 126

Ion Ratio Lower Upper

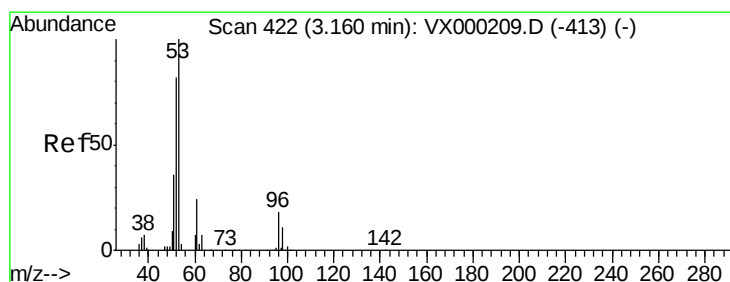
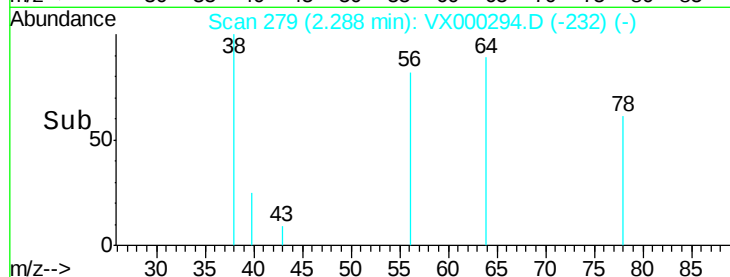
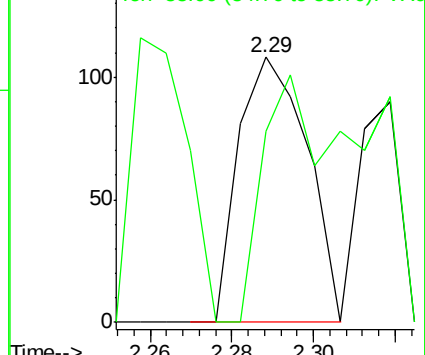
56 100

55 140.5 59.2 88.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.35 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

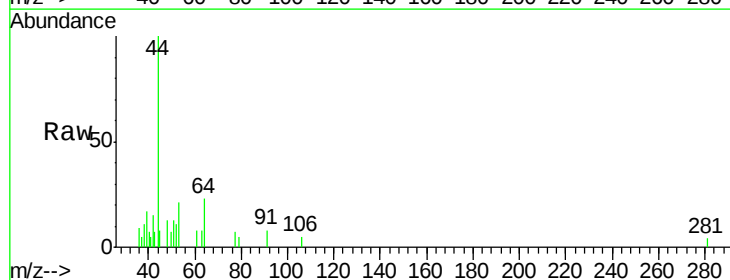
Tgt Ion: 53 Resp: 431

Ion Ratio Lower Upper

53 100

52 91.0 66.3 99.5

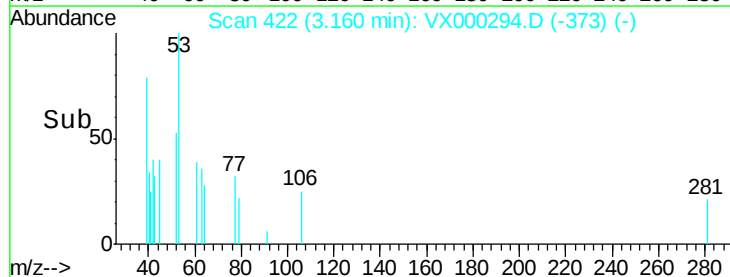
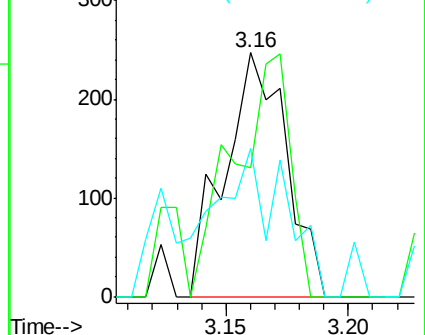
51 64.3 29.6 44.4#

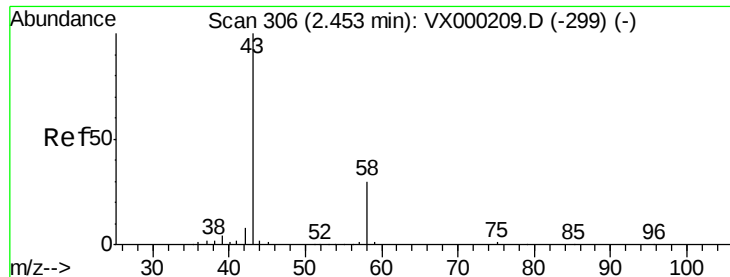


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.88 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

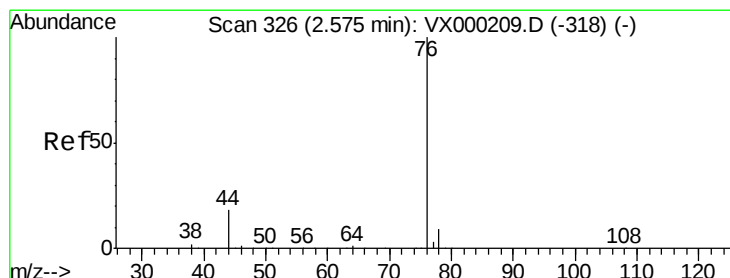
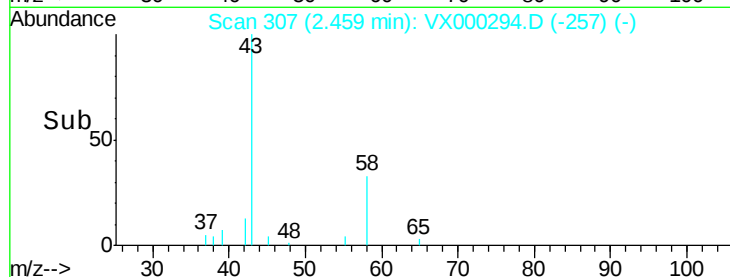
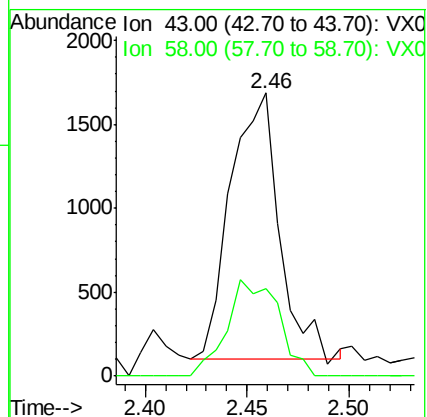
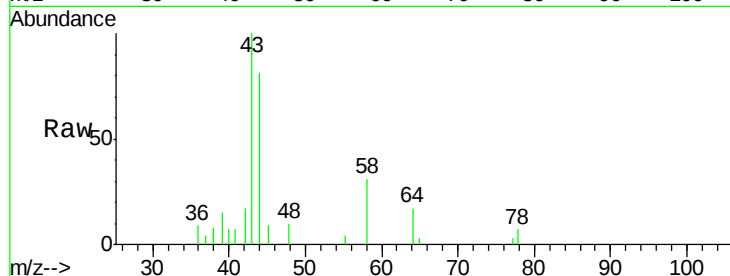
DREDGE-DECANT-WATER

Tot Ion: 43 Resp: 2631

Ion Ratio Lower Upper

43 100

58 33.0 23.8 35.6



#17

Carbon Disulfide

Concen: 0.37 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000294.D

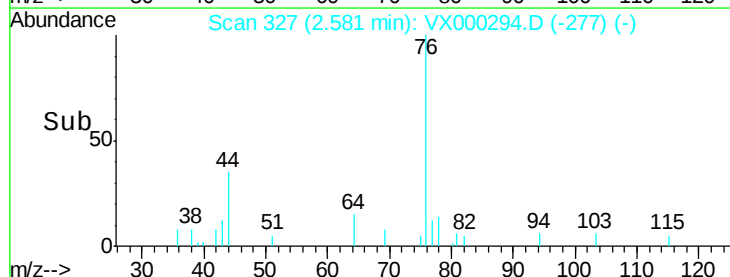
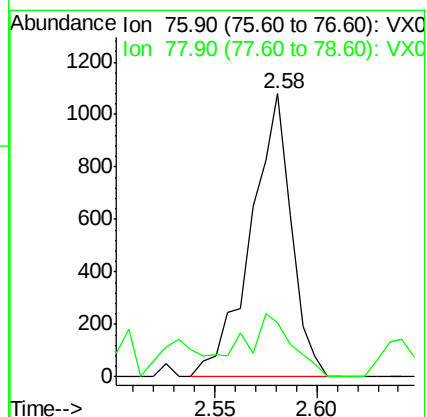
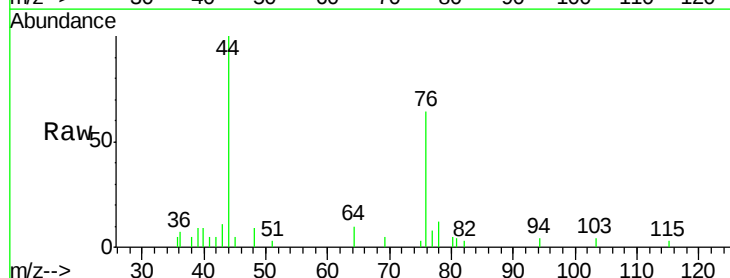
Acq: 13 Mar 2018 12:28

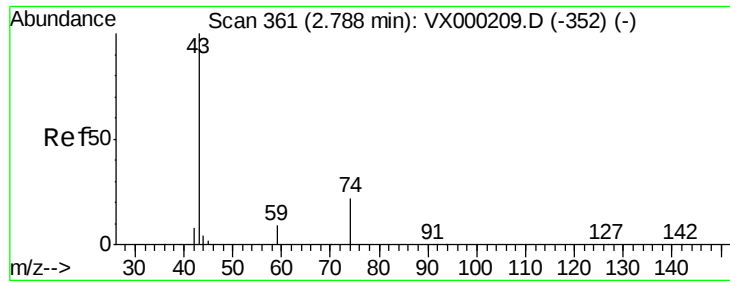
Tgt Ion: 76 Resp: 1497

Ion Ratio Lower Upper

76 100

78 19.0 7.0 10.6#

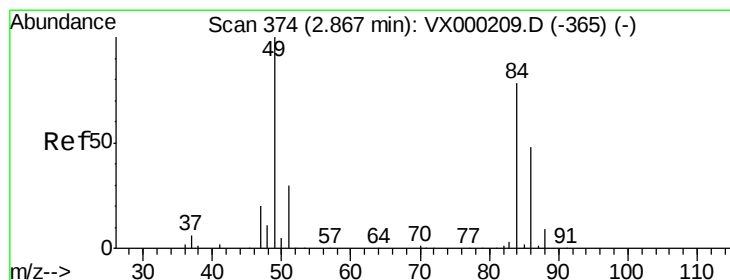
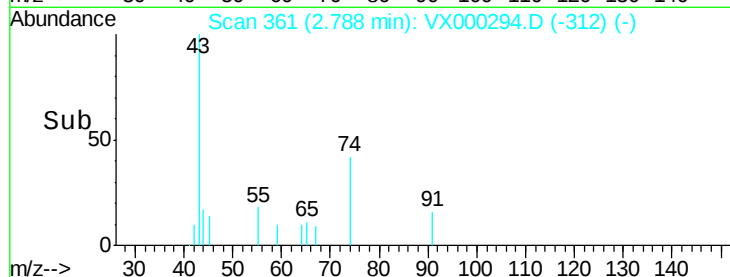
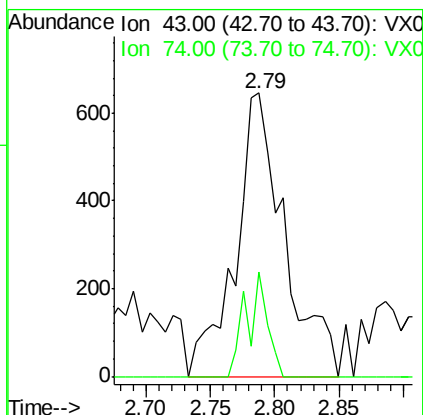
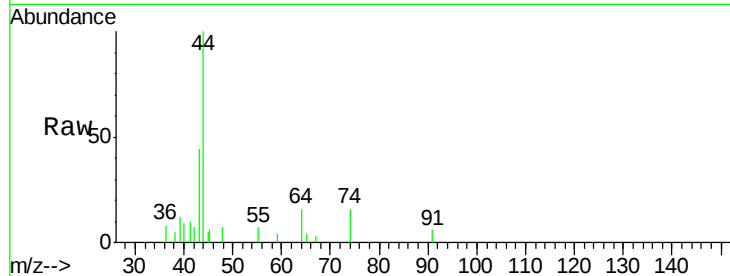




#18
Methyl Acetate
Concen: 0.57 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000294.D
Acq: 13 Mar 2018 12:28

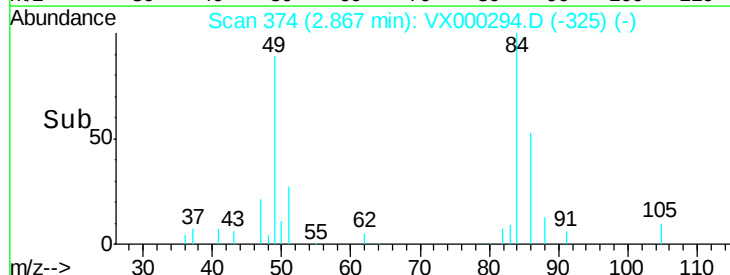
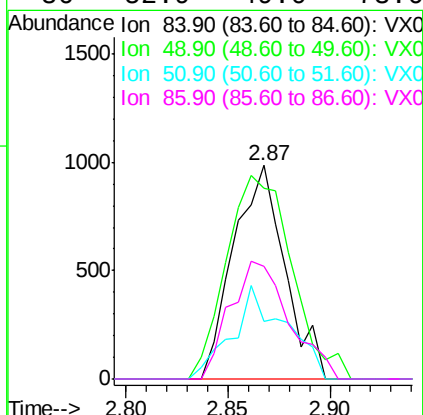
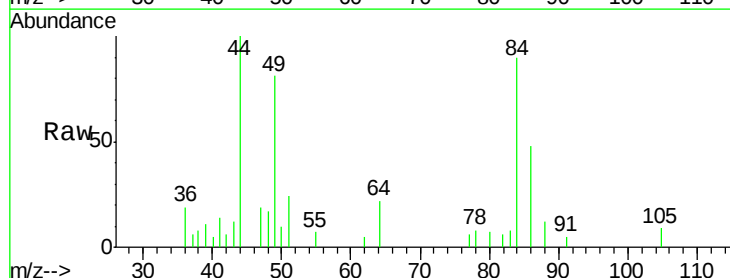
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DREDGE-DECANT-WATER

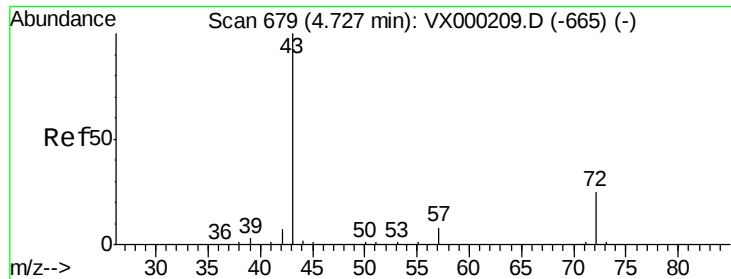
Tot Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
74 15.7 18.9 28.3#



#20
Methylene Chloride
Concen: 1.03 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000294.D
Acq: 13 Mar 2018 12:28

Tgt Ion: 84 Resp: 1726
Ion Ratio Lower Upper
84 100
49 89.2 102.1 153.1#
51 26.7 30.6 45.8#
86 52.9 49.0 73.6





#25

2-Butanone

Concen: 0.38 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

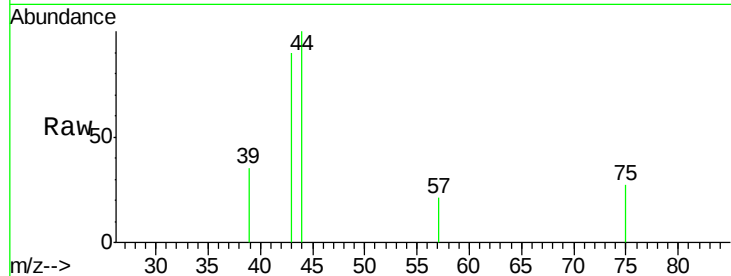
DREDGE-DECANT-WATER

Tot Ion: 43 Resp: 652

Ion Ratio Lower Upper

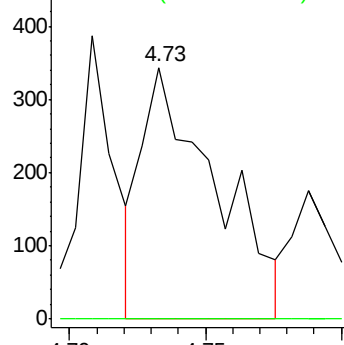
43 100

72 0.0 20.2 30.2#

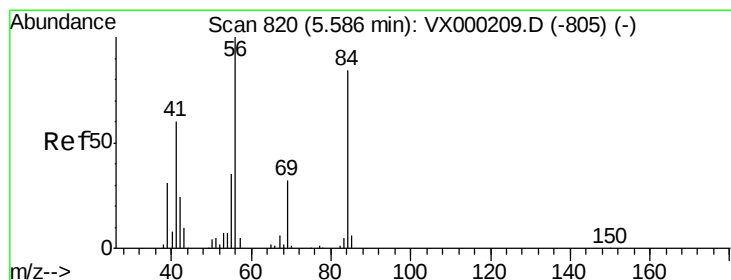
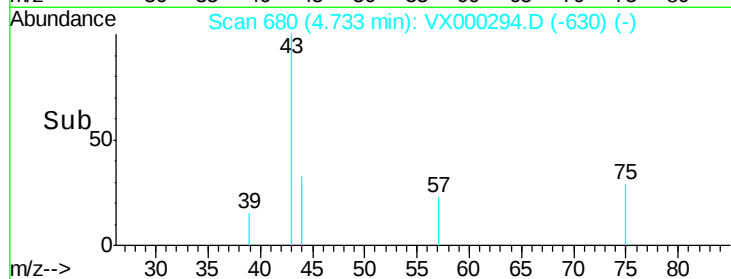


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#31

Cyclohexane

Concen: 1.57 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

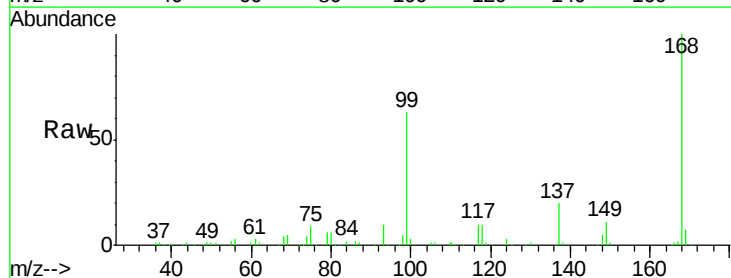
Tgt Ion: 56 Resp: 3335

Ion Ratio Lower Upper

56 100

69 165.0 25.3 37.9#

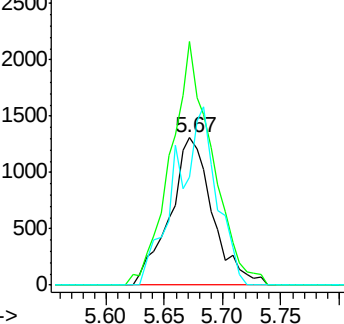
84 73.2 67.2 100.8



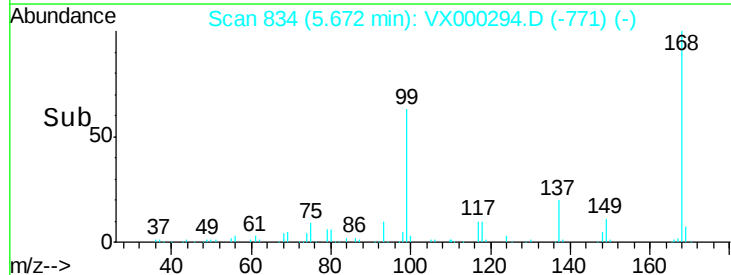
Abundance Ion 56.00 (55.70 to 56.70): VX0

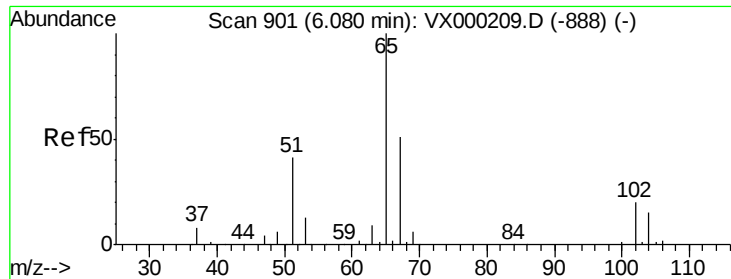
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->

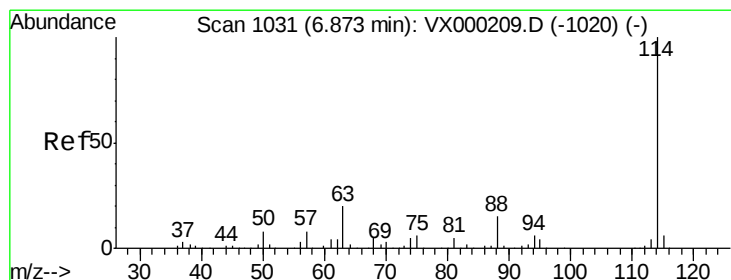
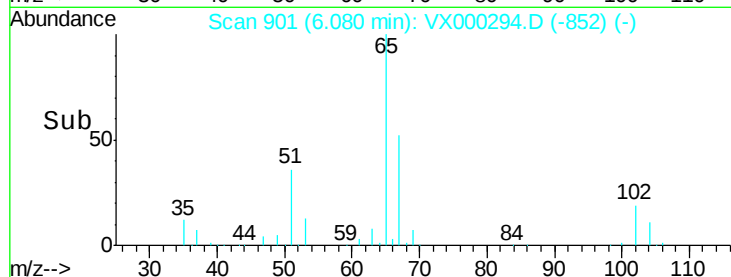
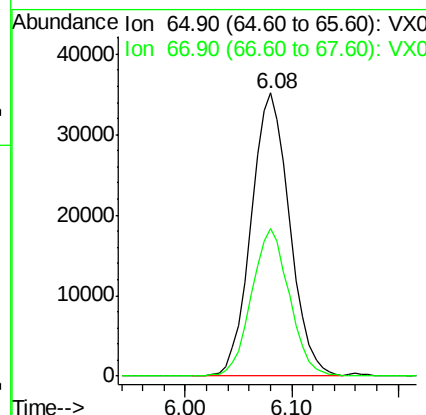
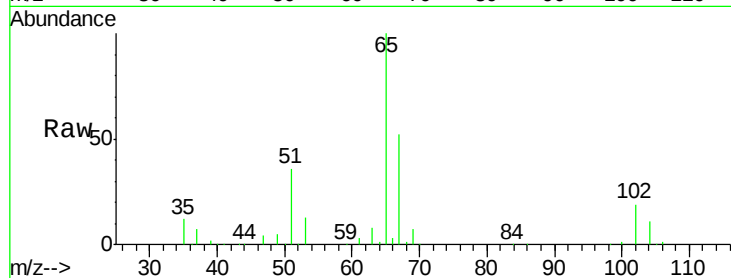




#33
 1,2-Dichloroethane-d4
 Concen: 45.71 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000294.D
 Acq: 13 Mar 2018 12:28

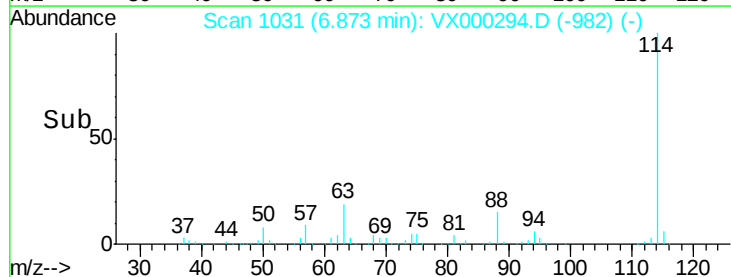
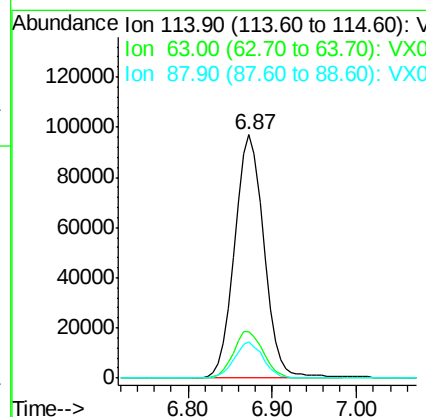
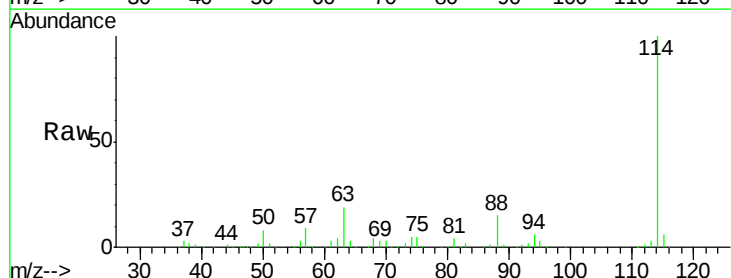
Instrument :
 MSVOA_X
 ClientSampleId :
 DREDGE-DECANT-WATER

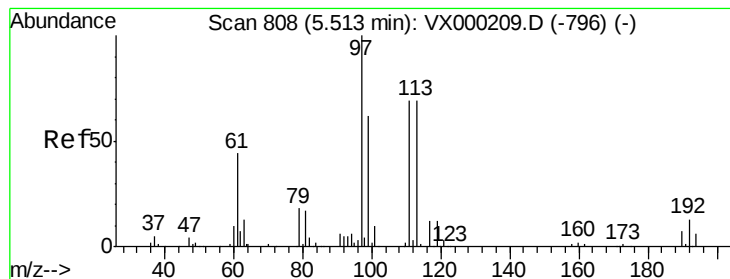
Tot Ion: 65 Resp: 89015
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000294.D
 Acq: 13 Mar 2018 12:28

Tgt Ion: 114 Resp: 229643
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 14.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 46.58 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

DREDGE-DECANT-WATER

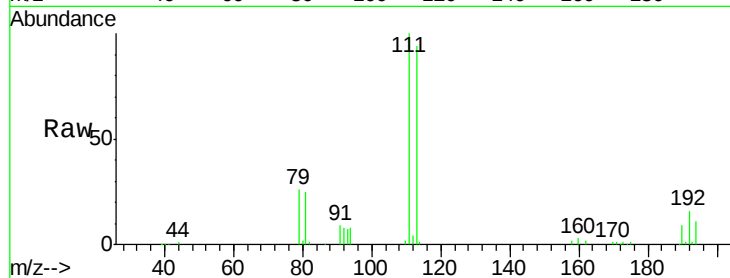
Tot Ion:113 Resp: 67189

Ion Ratio Lower Upper

113 100

111 103.4 83.0 124.6

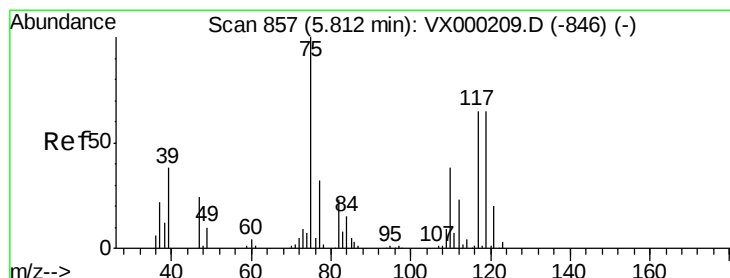
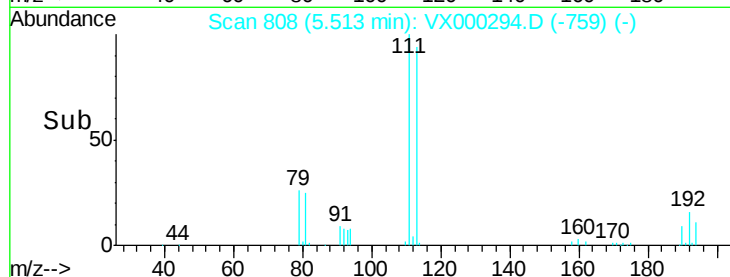
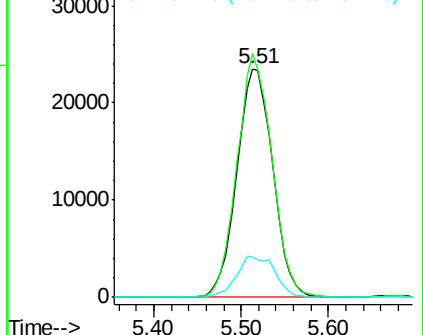
192 19.1 15.5 23.3



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: 5.58 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

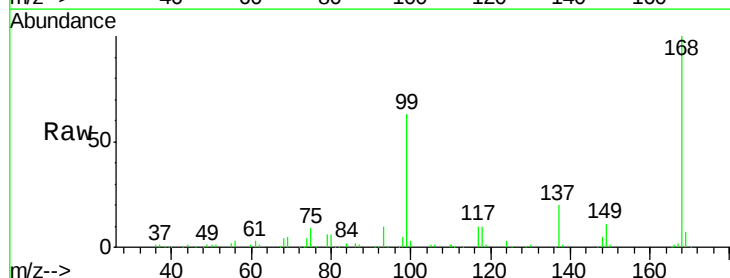
Tgt Ion: 75 Resp: 11407

Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.5#

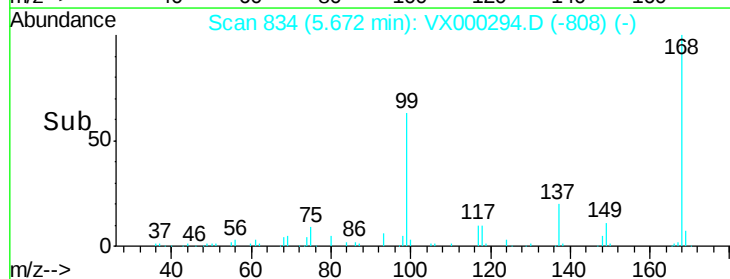
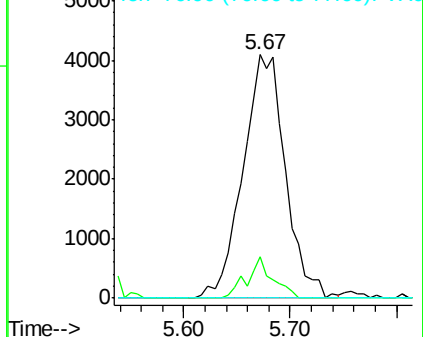
77 0.0 24.9 37.3#

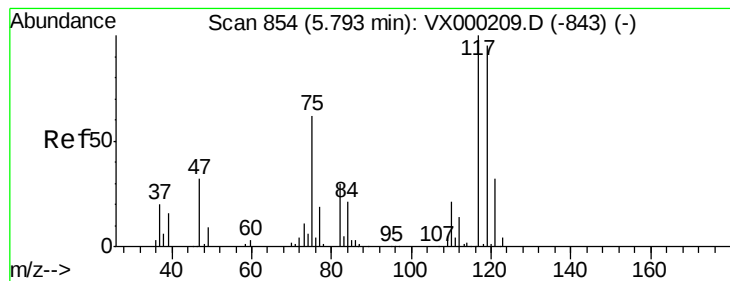


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.77 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

DREDGE-DECANT-WATER

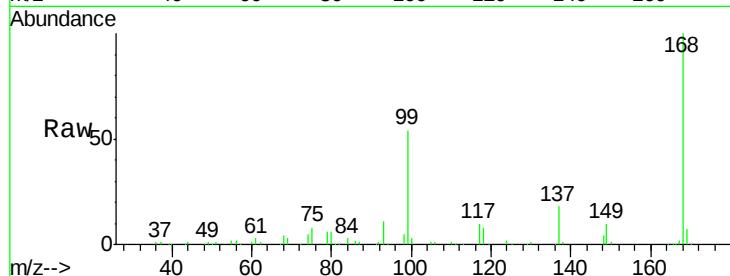
Tot Ion:117 Resp: 13990

Ion Ratio Lower Upper

117 100

119 2.7 75.9 113.9#

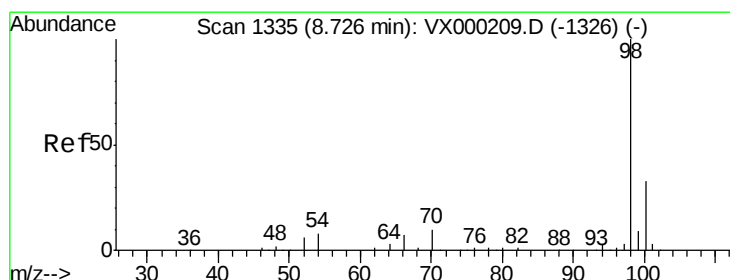
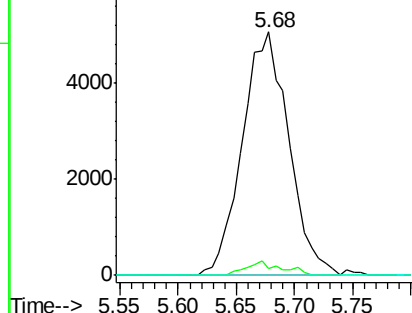
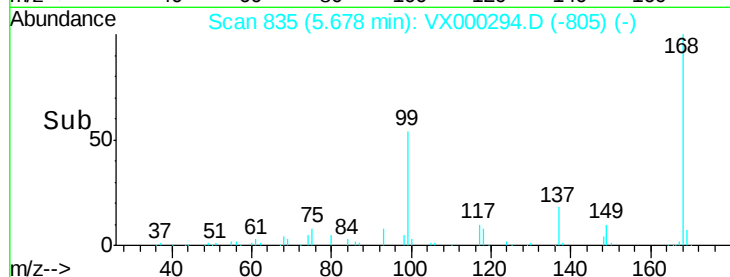
121 0.0 25.8 38.6#



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



#50

Toluene-d8

Concen: 44.35 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000294.D

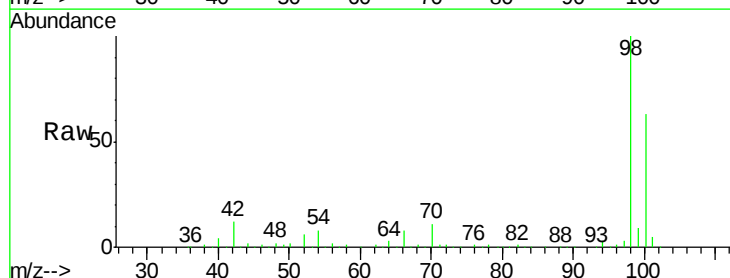
Acq: 13 Mar 2018 12:28

Tgt Ion: 98 Resp: 264982

Ion Ratio Lower Upper

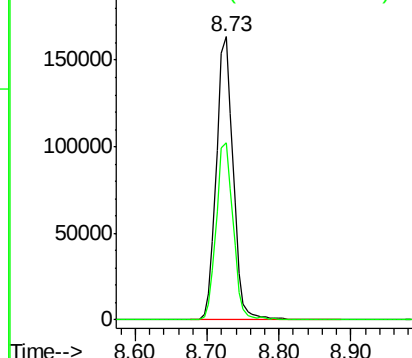
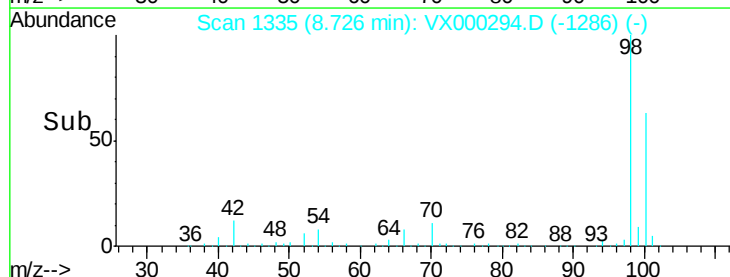
98 100

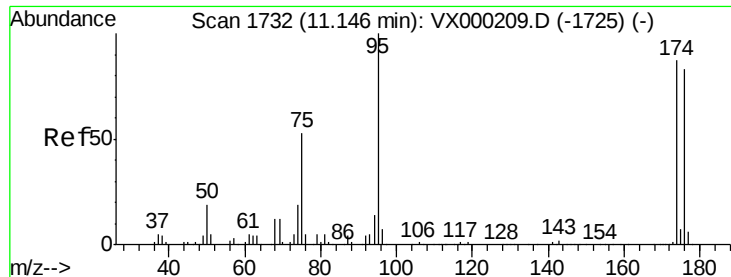
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

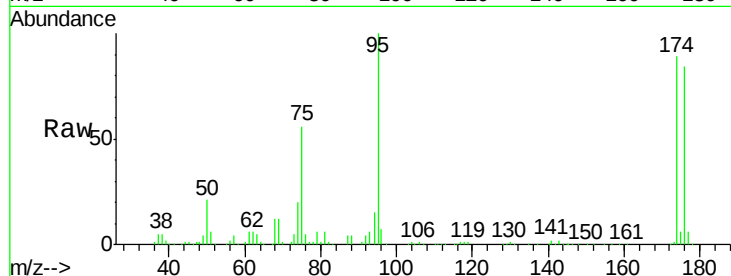




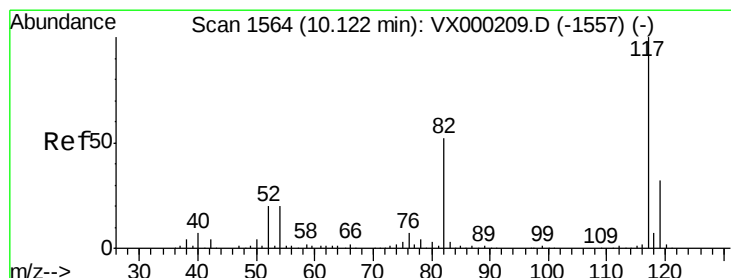
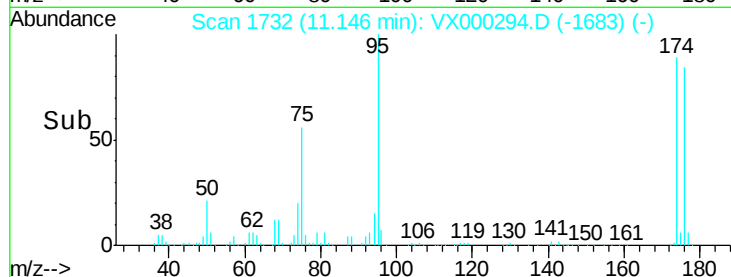
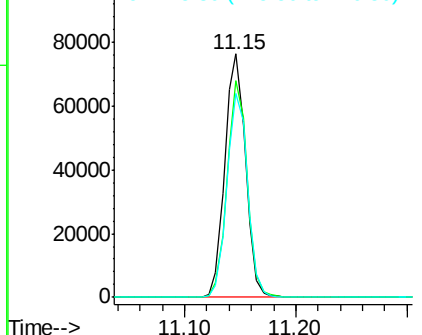
#62
4-Bromofluorobenzene
Concen: 42.19 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000294.D
Acq: 13 Mar 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
DREDGE-DECANT-WATER

Tot Ion: 95 Resp: 98393
Ion Ratio Lower Upper
95 100
174 86.0 0.0 175.6
176 83.4 0.0 171.0

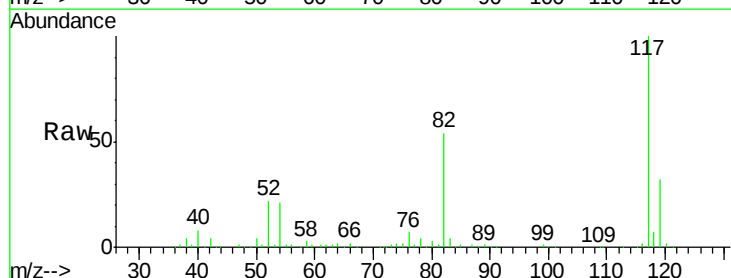


Abundance Ion 94.90 (94.60 to 95.60): VX
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

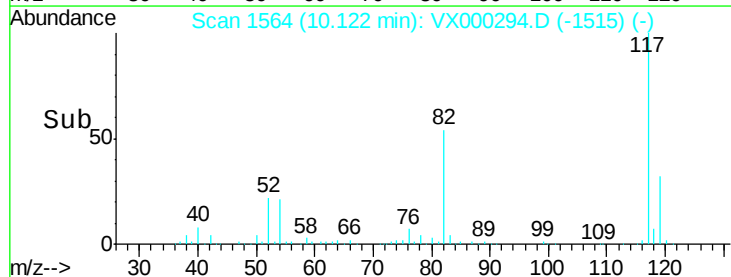
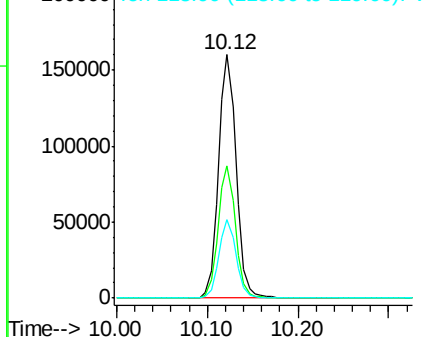


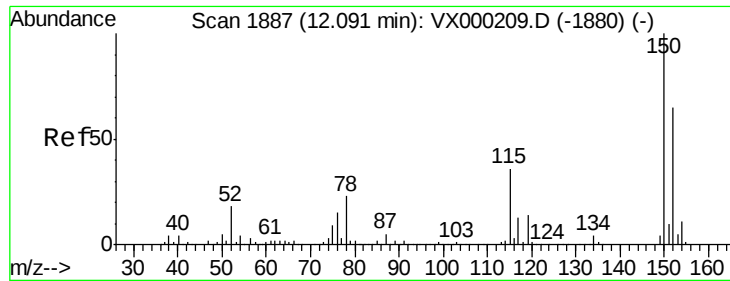
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000294.D
Acq: 13 Mar 2018 12:28

Tgt Ion: 117 Resp: 218085
Ion Ratio Lower Upper
117 100
82 54.3 42.0 63.0
119 32.1 25.3 37.9



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

DREDGE-DECANT-WATER

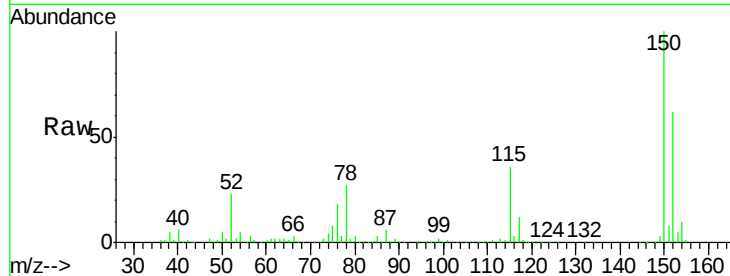
Tot Ion:152 Resp: 118254

Ion Ratio Lower Upper

152 100

115 56.1 39.8 119.3

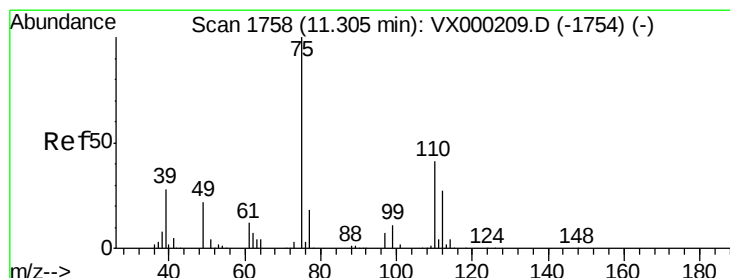
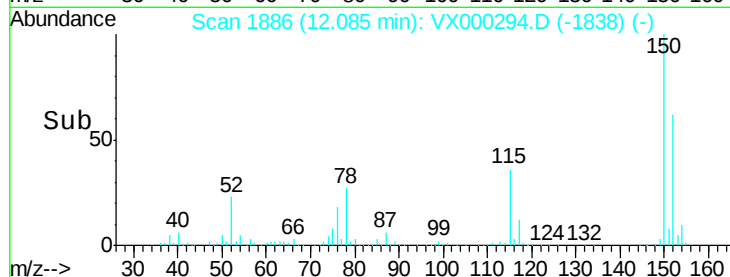
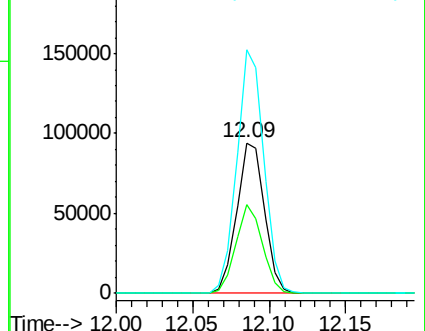
150 157.6 0.0 345.0



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: 22.91 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000294.D

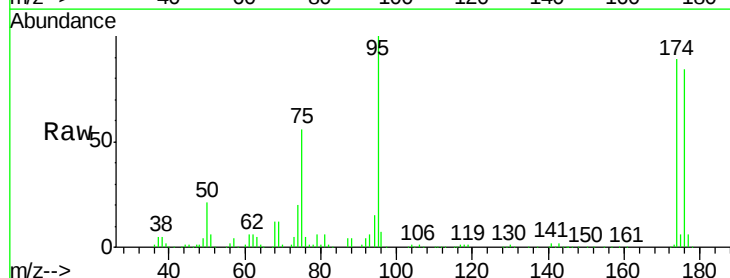
Acq: 13 Mar 2018 12:28

Tgt Ion: 75 Resp: 54299

Ion Ratio Lower Upper

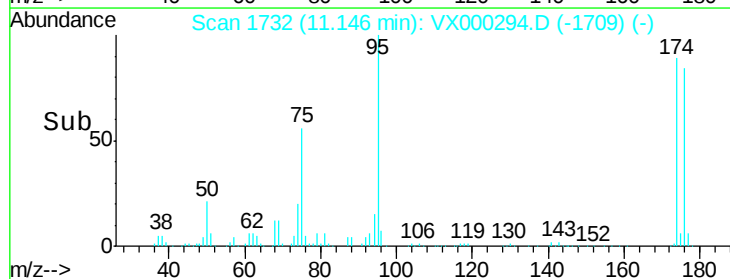
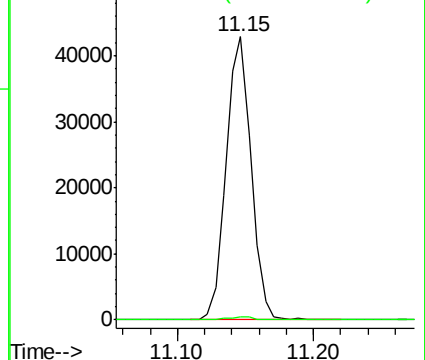
75 100

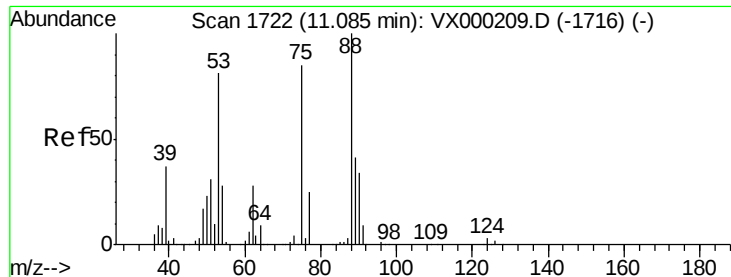
77 1.1 22.3 66.8#



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: 70.14 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000294.D

Acq: 13 Mar 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

DREDGE-DECANT-WATER

Tot Ion: 75 Resp: 54299

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 38.8 58.2#

