

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082018\
 Data File : VX004153.D
 Acq On : 20 Aug 2018 15:22
 Operator : JC/MD
 Sample : J4566-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NUTLEY-DRUM

Quant Time: Aug 21 01:03:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	414986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217204	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	197677	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
35) Dibromofluoromethane	5.51	113	171133	55.10	ug/l	0.00
Spiked Amount			Recovery	=	110.20%	
50) Toluene-d8	8.72	98	601606	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	11.14	95	200680	43.94	ug/l	0.00
Spiked Amount			Recovery	=	87.88%	

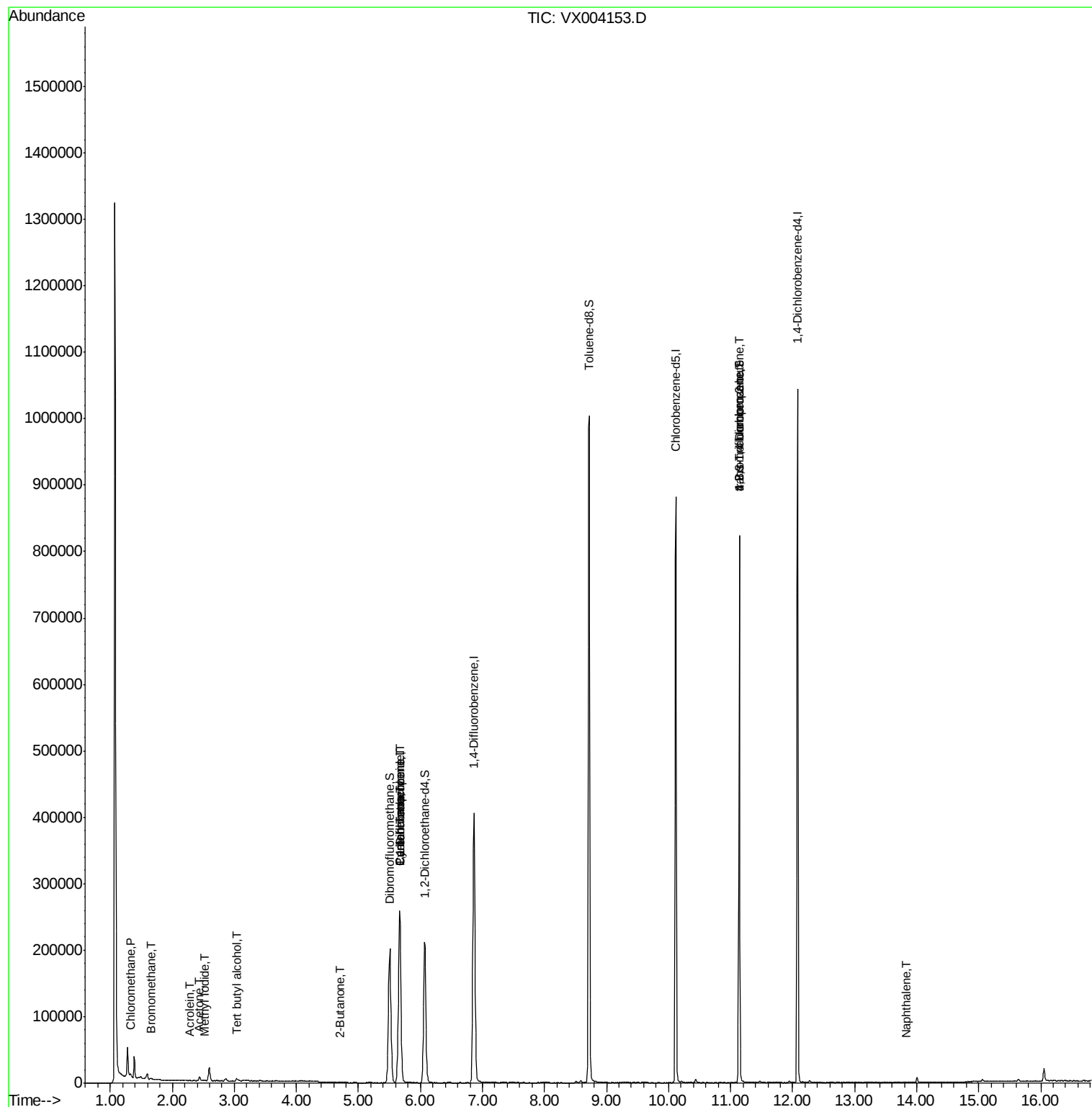
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3749	1.19	ug/l	94
5) Bromomethane	1.65	94	1026	0.42	ug/l	90
6) Chloroethane	1.74	64	710	Below Cal	#	51
10) Methyl Iodide	2.52	142	494	5.15	ug/l	# 83
11) Tert butyl alcohol	3.03	59	4467	5.98	ug/l	# 86
13) Acrolein	2.29	56	148	11.23	ug/l	# 1
16) Acetone	2.43	43	6946	3.60	ug/l	96
20) Methylene Chloride	2.87	84	1771	Below Cal	#	88
25) 2-Butanone	4.70	43	1024	0.33	ug/l	97
31) Cyclohexane	5.67	56	4783	0.93	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	17789	3.77	ug/l	# 48
38) Carbon Tetrachloride	5.67	117	23348	5.09	ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	96687	22.20	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	96687	68.71	ug/l	# 10
95) Naphthalene	13.83	128	136	1.15	ug/l	# 69

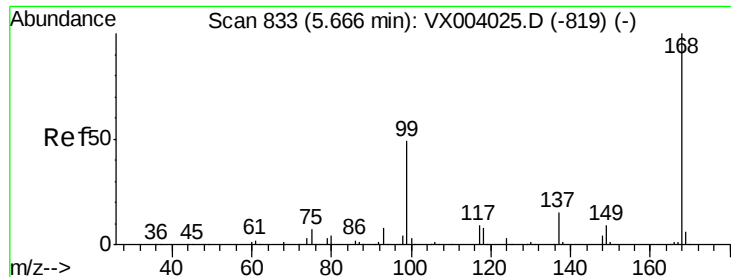
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082018\
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

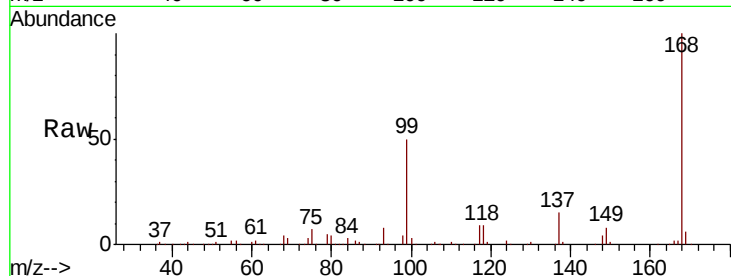
NUTLEY-DRUM

Tot Ion:168 Resp: 263366

Ion Ratio Lower Upper

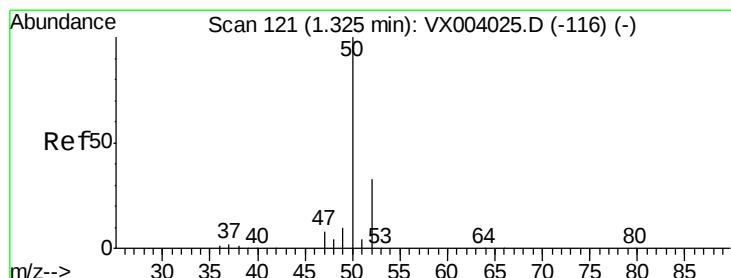
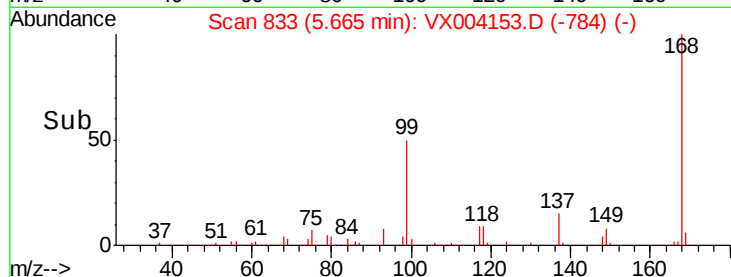
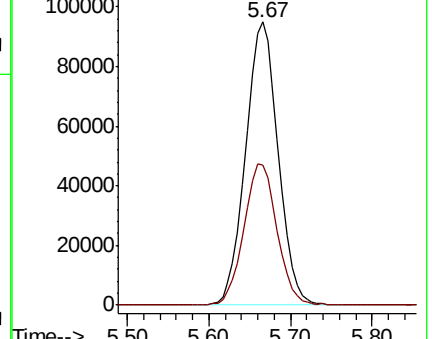
168 100

99 49.6 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.19 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004153.D

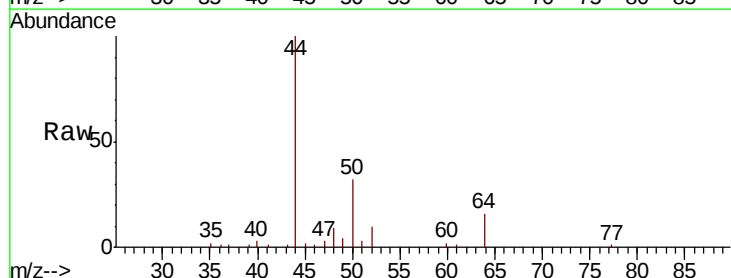
Acq: 20 Aug 2018 15:22

Tgt Ion: 50 Resp: 3749

Ion Ratio Lower Upper

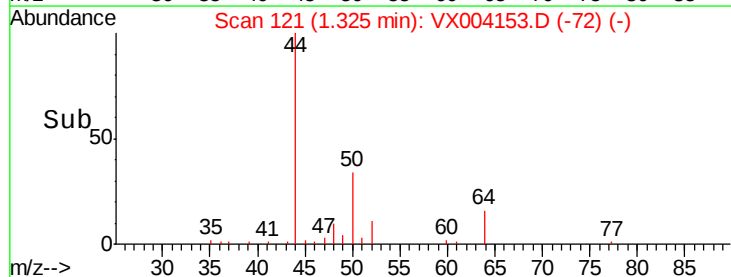
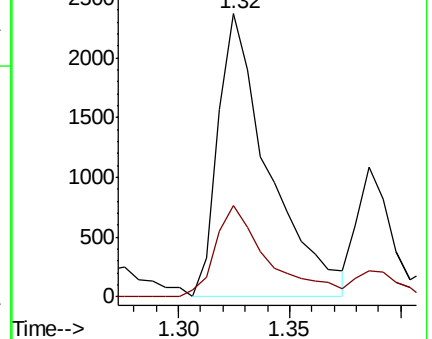
50 100

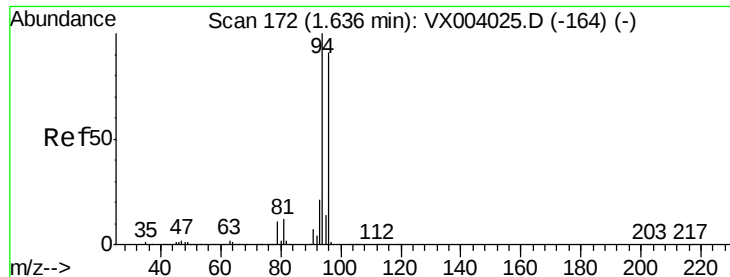
52 29.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.42 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

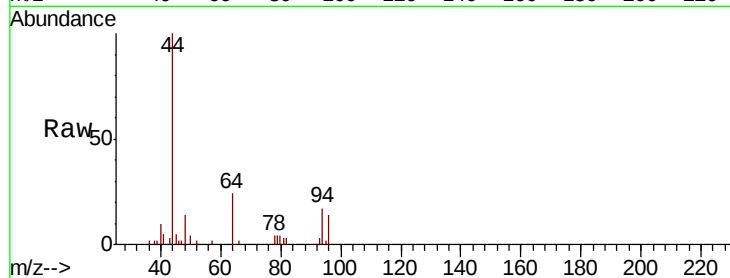
NUTLEY-DRUM

Tot Ion: 94 Resp: 1026

Ion Ratio Lower Upper

94 100

96 83.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

300

200

100

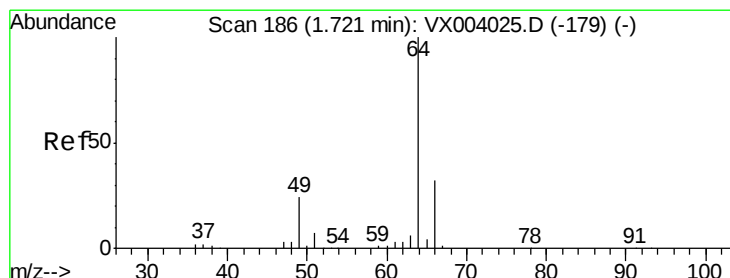
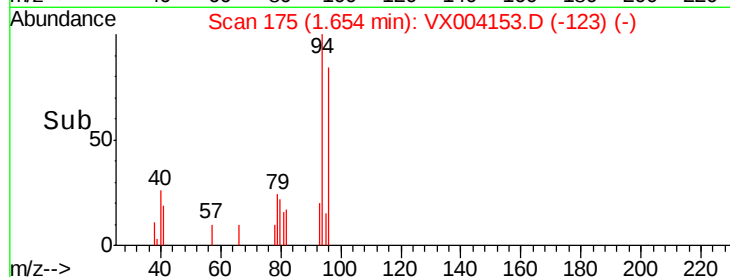
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX004153.D

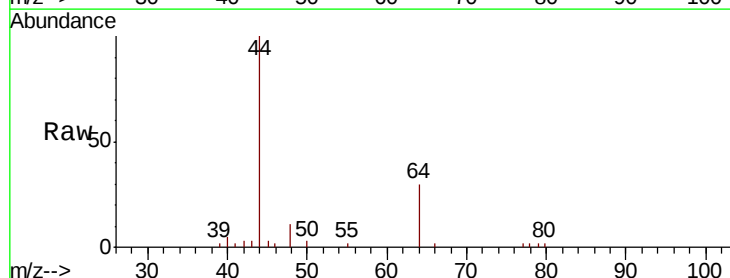
Acq: 20 Aug 2018 15:22

Tgt Ion: 64 Resp: 710

Ion Ratio Lower Upper

64 100

66 5.1 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

1000

800

600

400

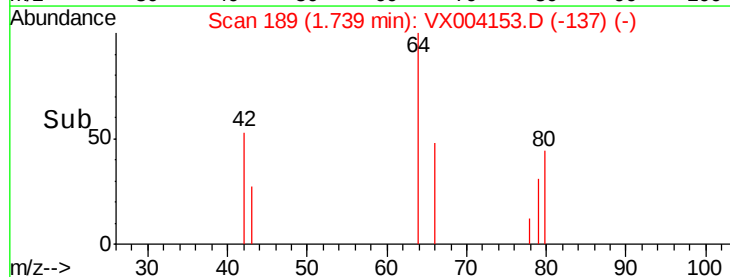
200

0

1.70

1.75

Time-->

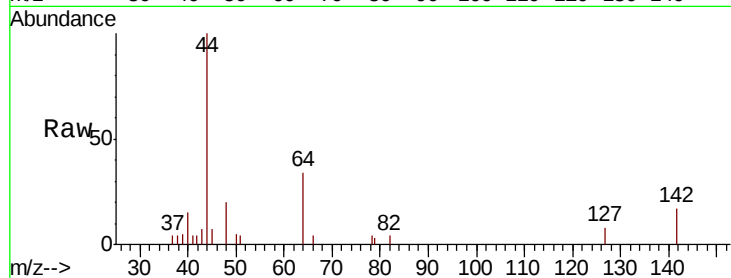




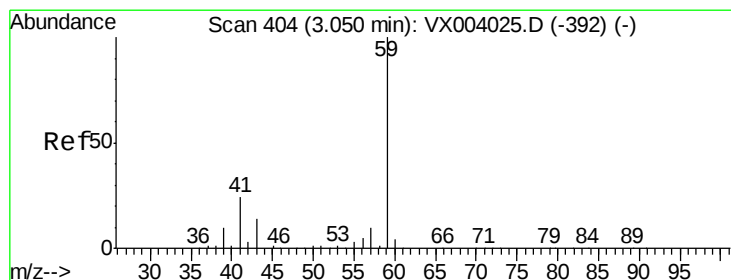
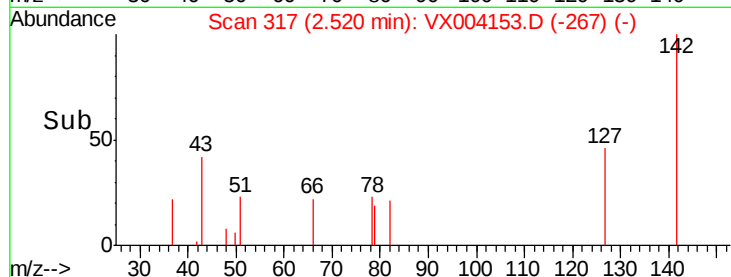
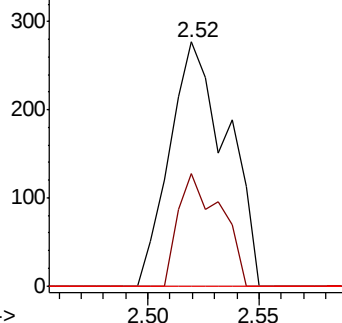
#10
Methyl Iodide
Concen: 5.15 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004153.D
Acq: 20 Aug 2018 15:22

Instrument :
MSVOA_X
ClientSampleId :
NUTLEY-DRUM

Tot Ion:142 Resp: 494
Ion Ratio Lower Upper
142 100
127 34.6 33.1 49.7
141 0.0 11.1 16.7#

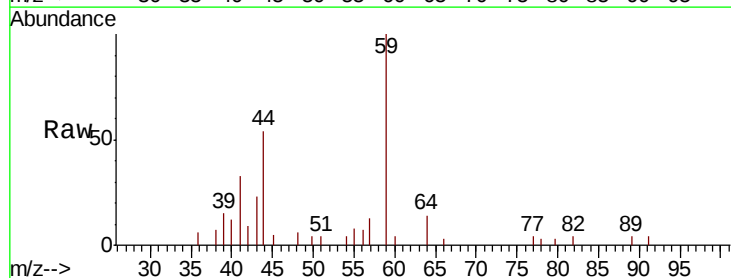


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

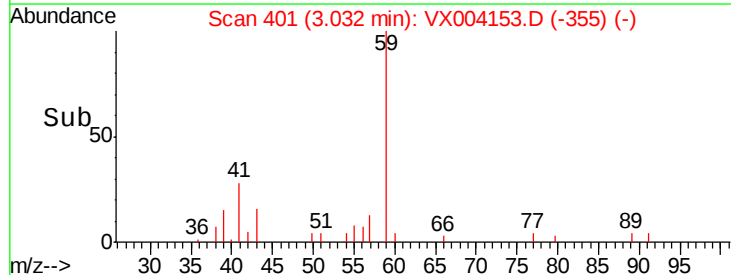
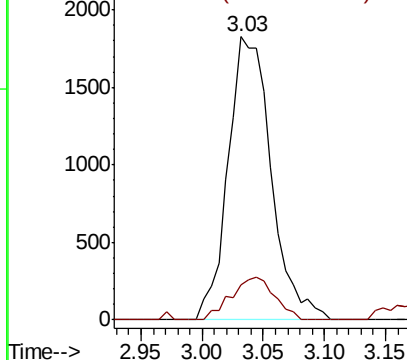


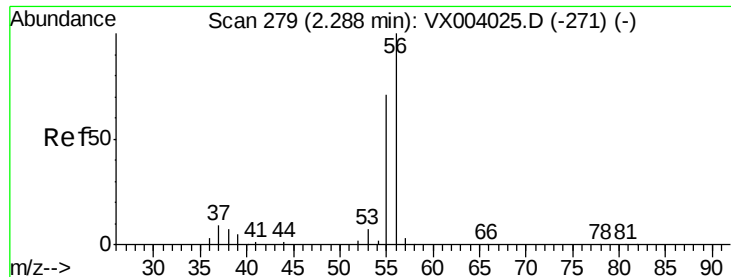
#11
Tert butyl alcohol
Concen: 5.98 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.02 min
Lab File: VX004153.D
Acq: 20 Aug 2018 15:22

Tgt Ion: 59 Resp: 4467
Ion Ratio Lower Upper
59 100
57 15.3 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 11.23 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

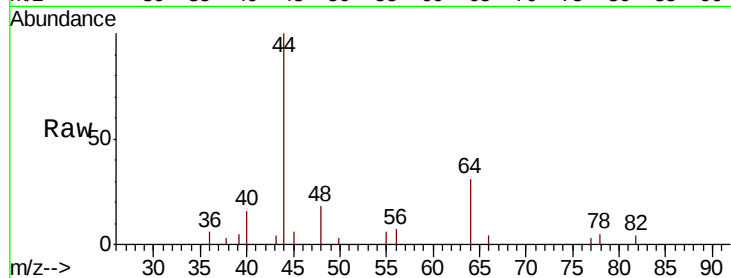
NUTLEY-DRUM

Tot Ion: 56 Resp: 148

Ion Ratio Lower Upper

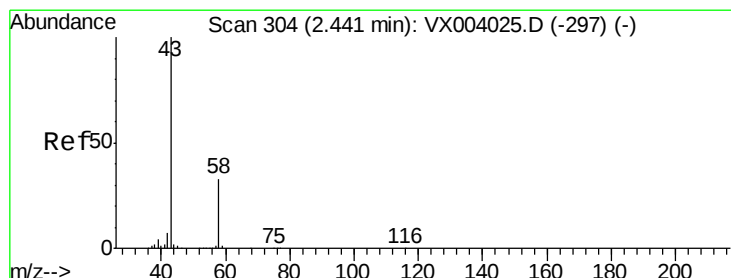
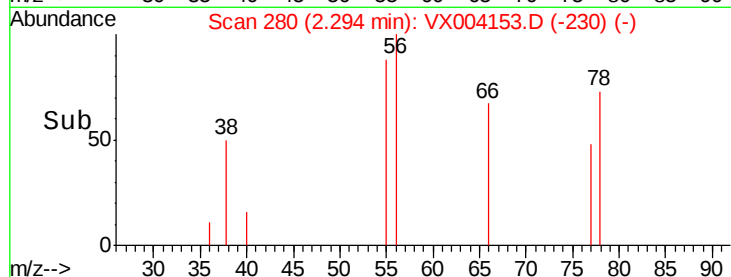
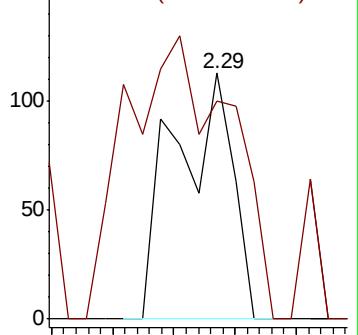
56 100

55 206.8 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.60 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004153.D

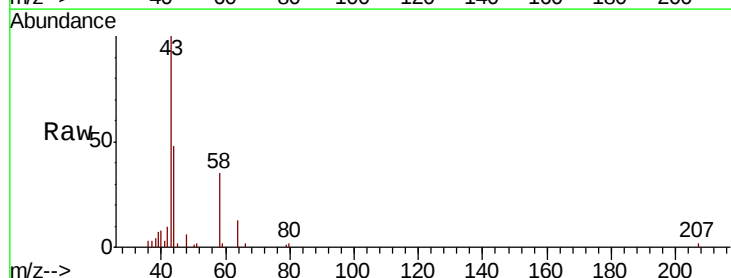
Acq: 20 Aug 2018 15:22

Tgt Ion: 43 Resp: 6946

Ion Ratio Lower Upper

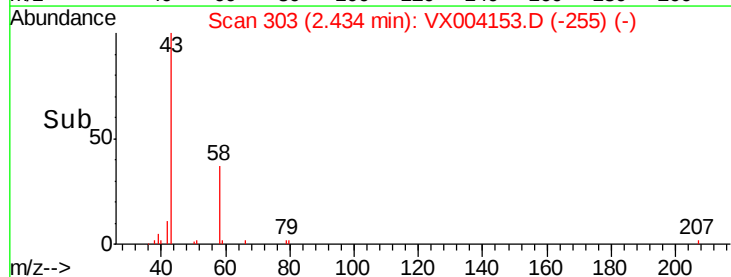
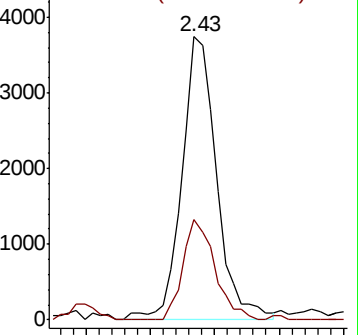
43 100

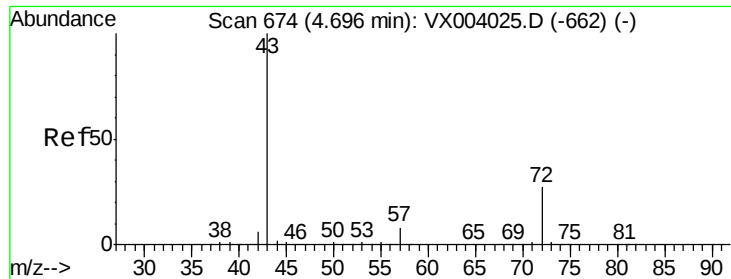
58 35.4 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.33 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

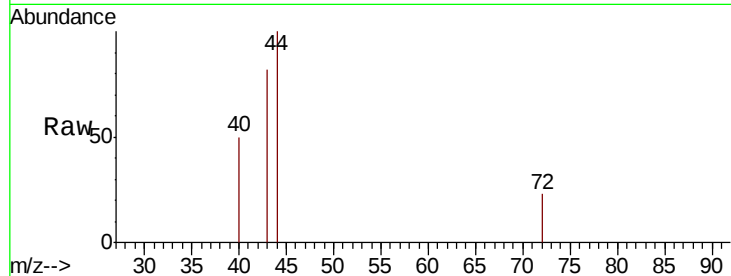
NUTLEY-DRUM

Tot Ion: 43 Resp: 1024

Ion Ratio Lower Upper

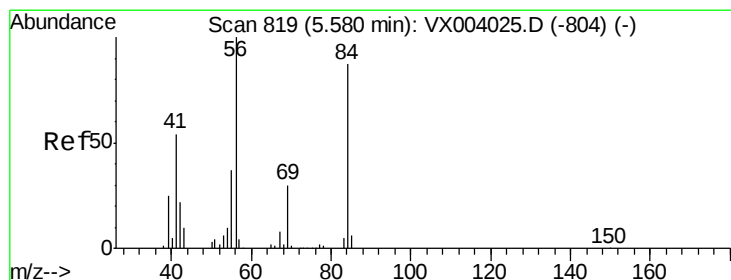
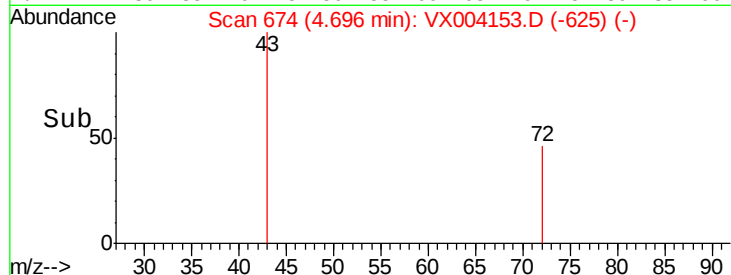
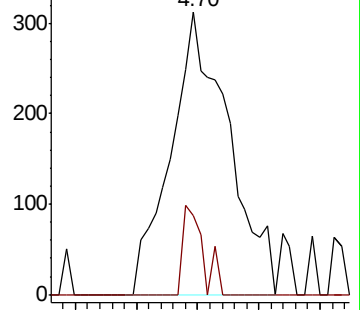
43 100

72 28.1 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 0.93 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

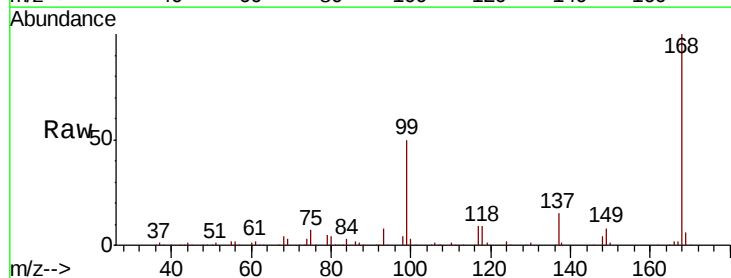
Tgt Ion: 56 Resp: 4783

Ion Ratio Lower Upper

56 100

69 178.1 24.9 37.3#

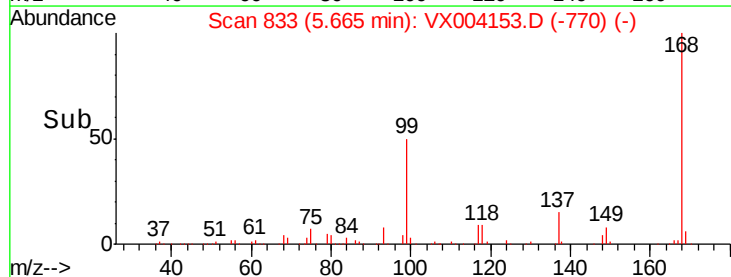
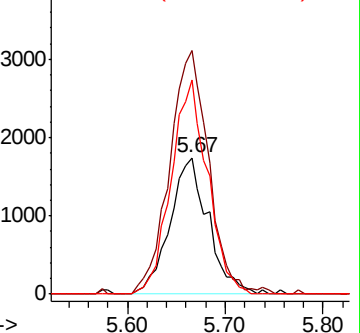
84 156.8 71.7 107.5#

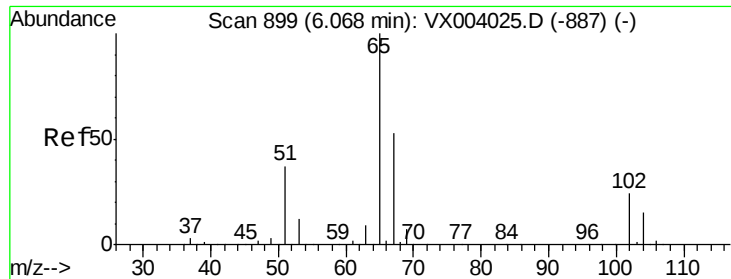


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

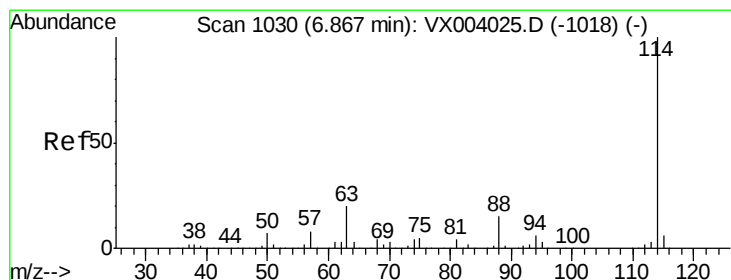
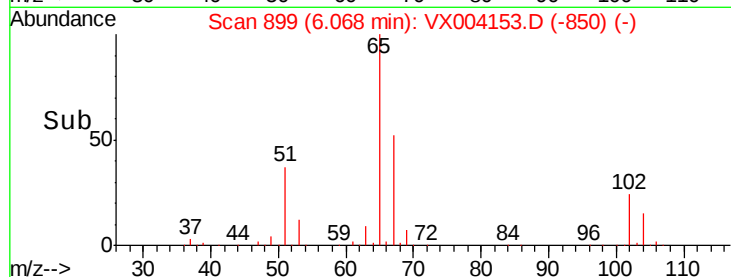
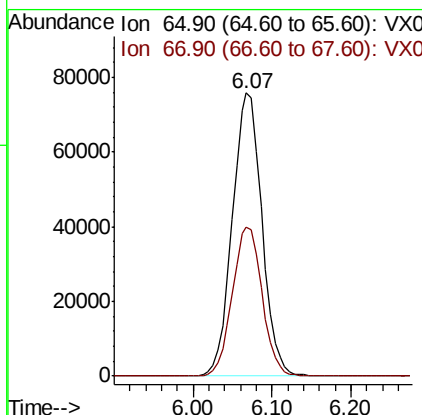
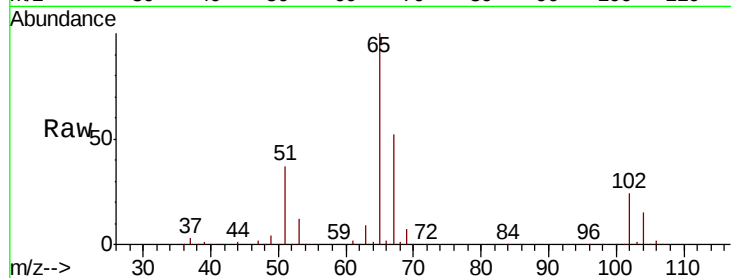




#33
 1,2-Dichloroethane-d4
 Concen: 53.27 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004153.D
 Acq: 20 Aug 2018 15:22

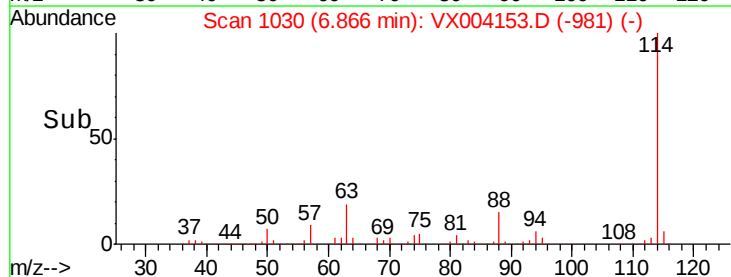
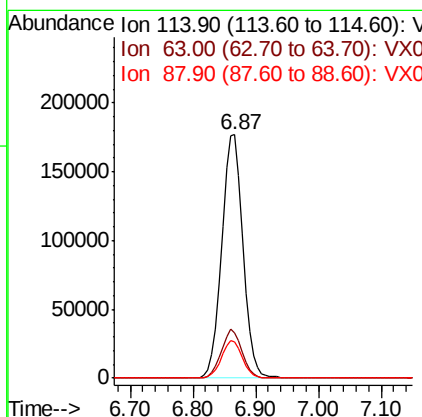
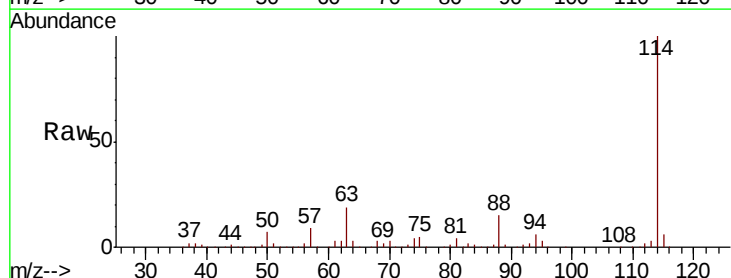
Instrument :
 MSVOA_X
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 NUTLEY-DRUM

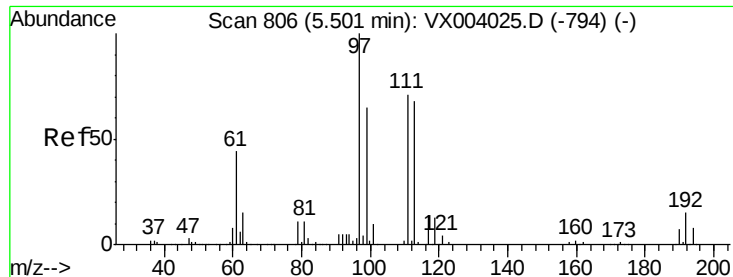
Tot Ion: 65 Resp: 197677
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004153.D
 Acq: 20 Aug 2018 15:22

Tgt Ion: 114 Resp: 414986
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.0
 88 15.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 55.10 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

NUTLEY-DRUM

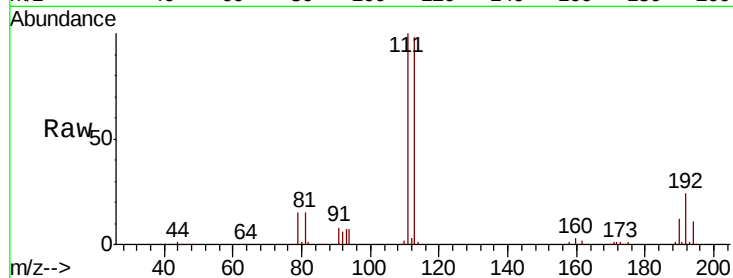
Tot Ion:113 Resp: 171133

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

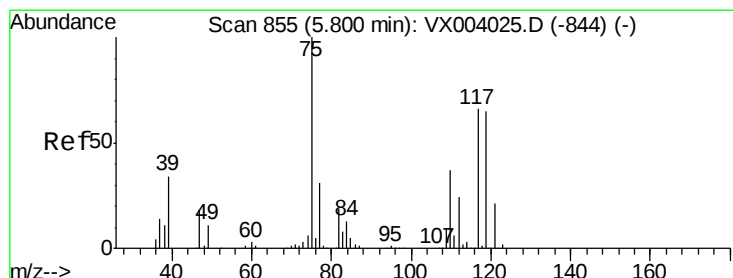
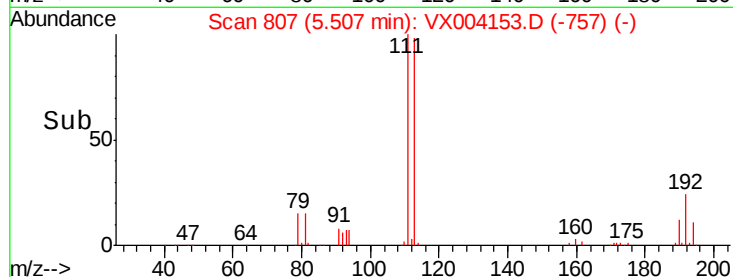
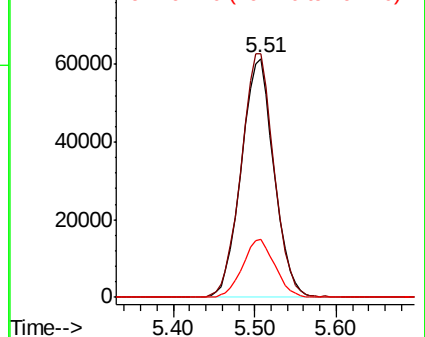
192 23.9 19.0 28.4



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: 3.77 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

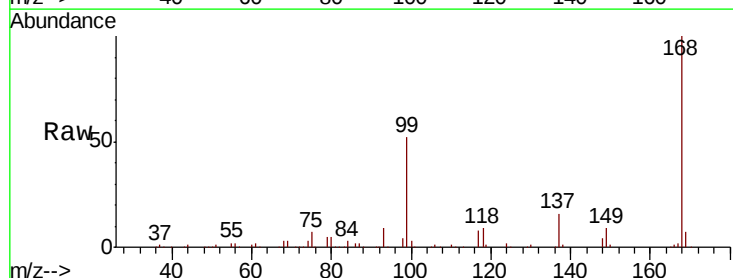
Tgt Ion: 75 Resp: 17789

Ion Ratio Lower Upper

75 100

110 8.5 18.2 54.6#

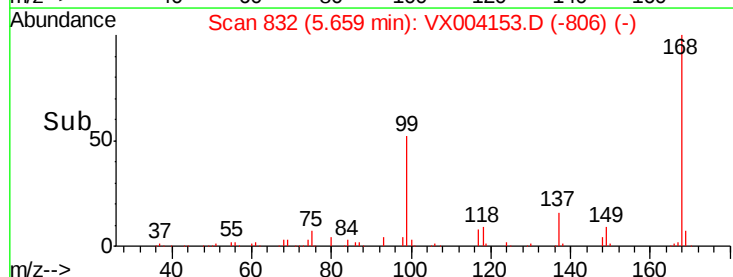
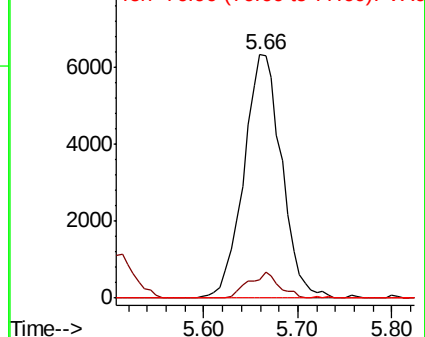
77 0.0 25.0 37.4#

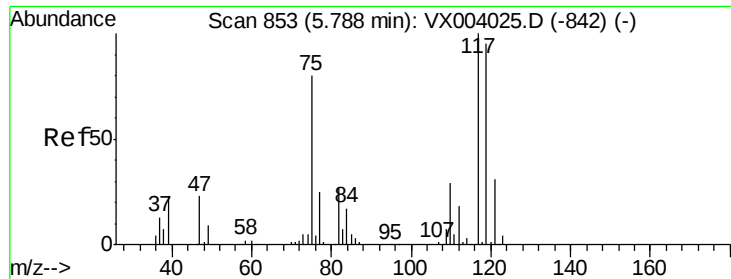


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.09 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

NUTLEY-DRUM

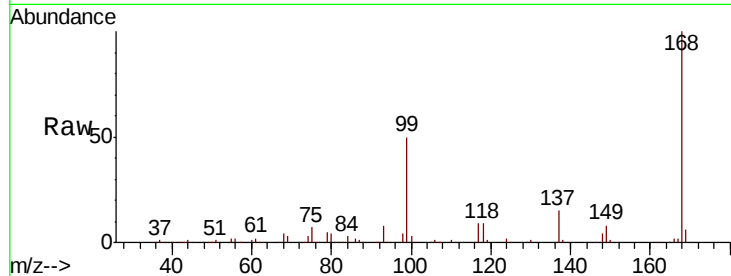
Tot Ion:117 Resp: 23348

Ion Ratio Lower Upper

117 100

119 6.3 79.5 119.3#

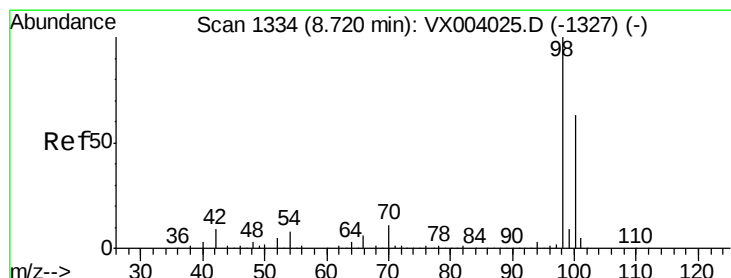
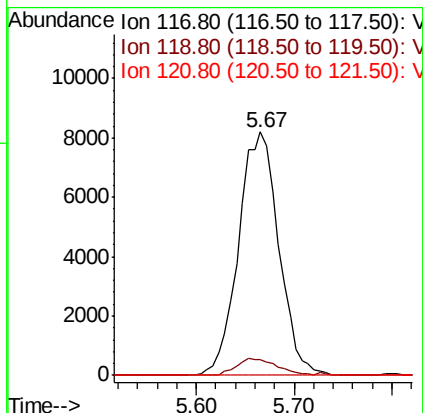
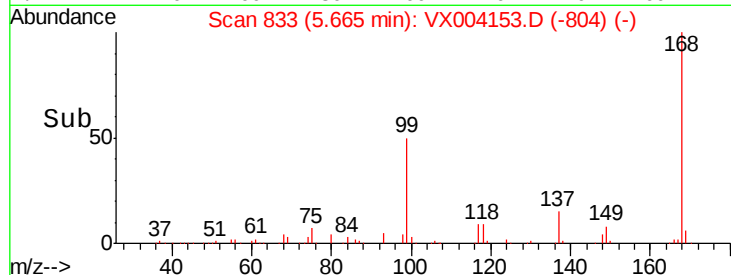
121 0.0 25.0 37.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.78 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004153.D

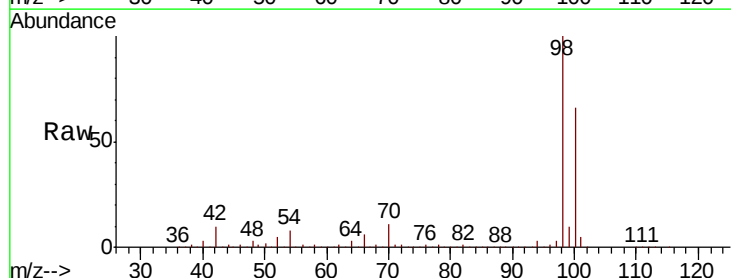
Acq: 20 Aug 2018 15:22

Tgt Ion: 98 Resp: 601606

Ion Ratio Lower Upper

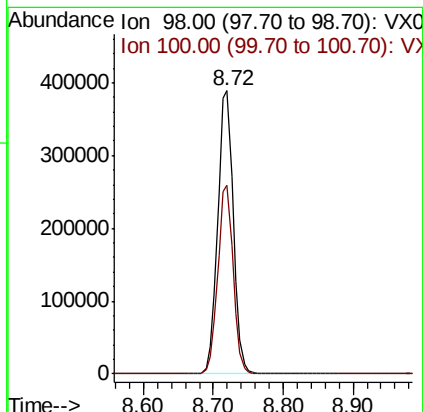
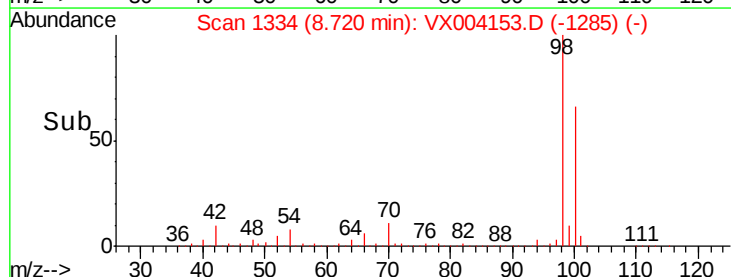
98 100

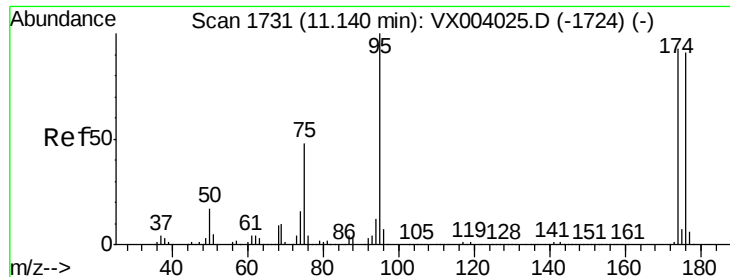
100 65.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

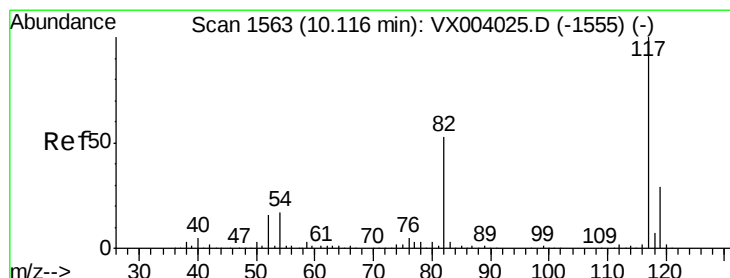
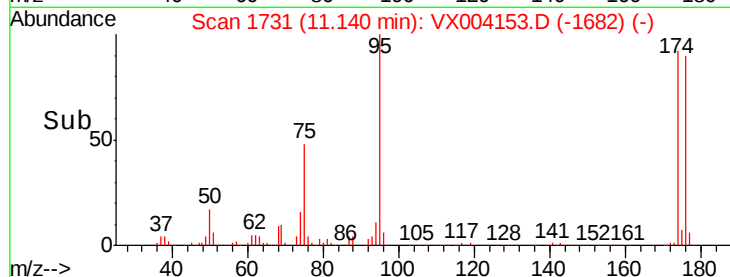
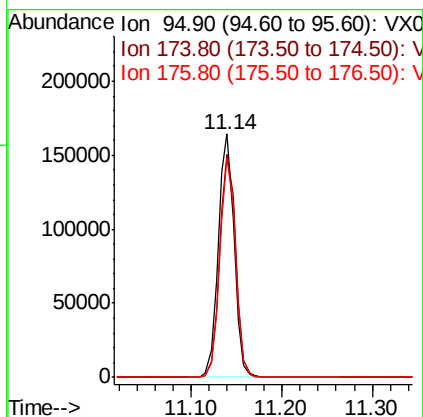
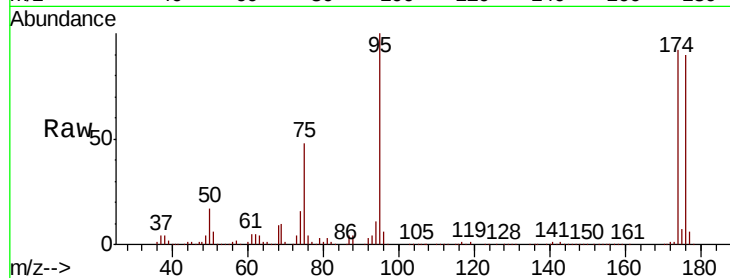




#62
 4-Bromofluorobenzene
 Concen: 43.94 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004153.D
 Acq: 20 Aug 2018 15:22

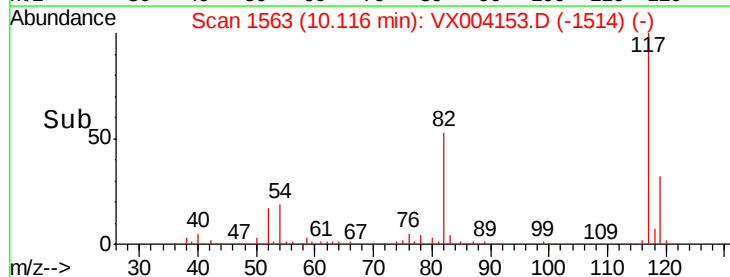
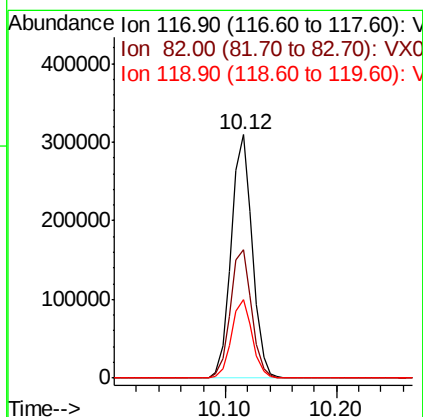
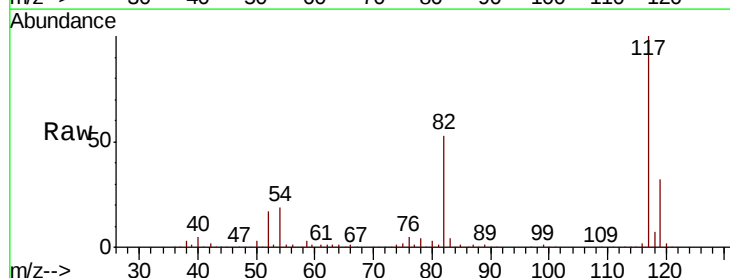
Instrument :
 MSVOA_X
 ClientSampleId :
 NUTLEY-DRUM

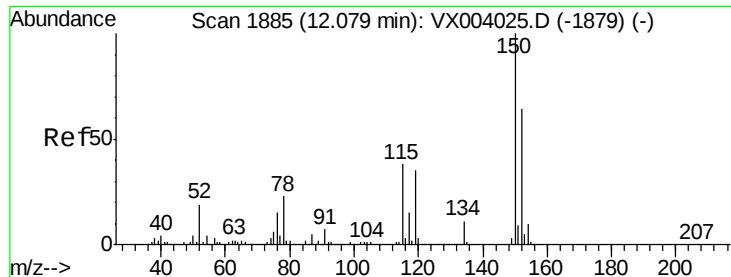
Tot Ion	95	Resp	200680
Ion Ratio	Lower	Upper	
95	100		
174	93.3	0.0	182.8
176	89.5	0.0	179.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX004153.D
 Acq: 20 Aug 2018 15:22

Tgt Ion	117	Resp	403218
Ion Ratio	Lower	Upper	
117	100		
82	52.8	45.4	68.0
119	32.4	26.6	40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

NUTLEY-DRUM

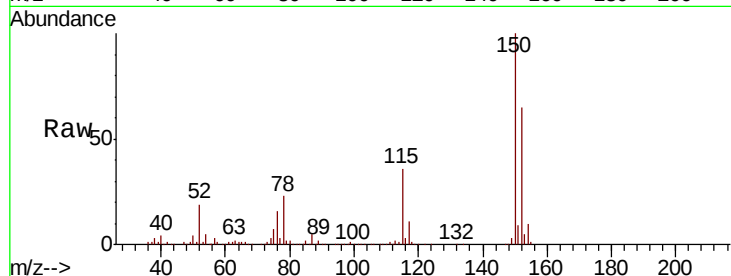
Tot Ion:152 Resp: 217204

Ion Ratio Lower Upper

152 100

115 53.5 39.1 117.3

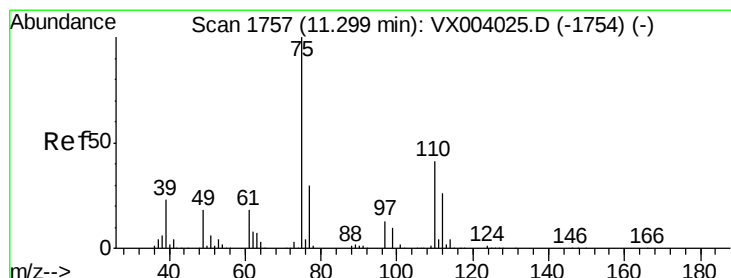
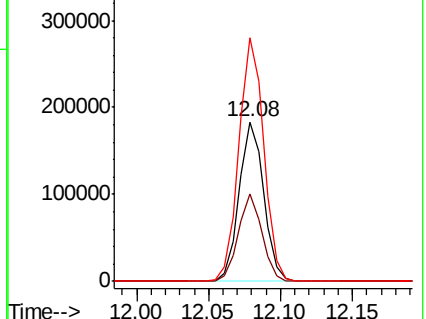
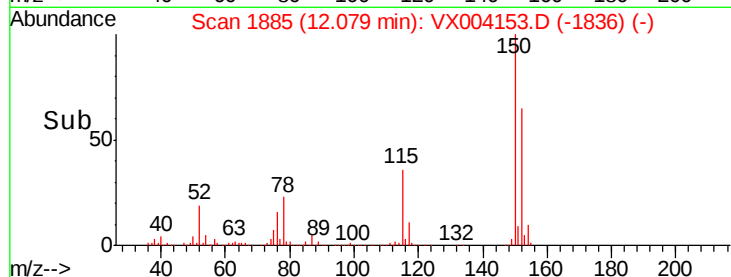
150 154.9 0.0 349.2



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: 22.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004153.D

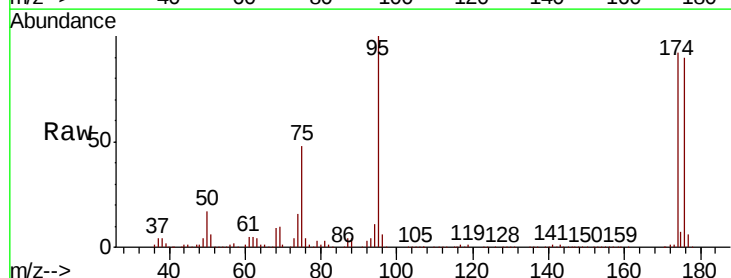
Acq: 20 Aug 2018 15:22

Tgt Ion: 75 Resp: 96687

Ion Ratio Lower Upper

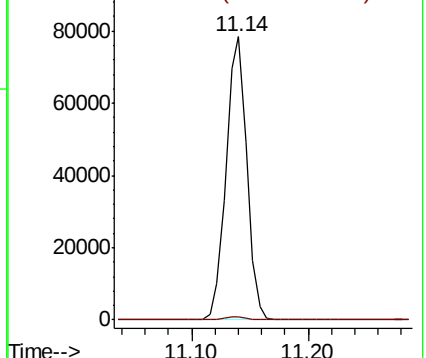
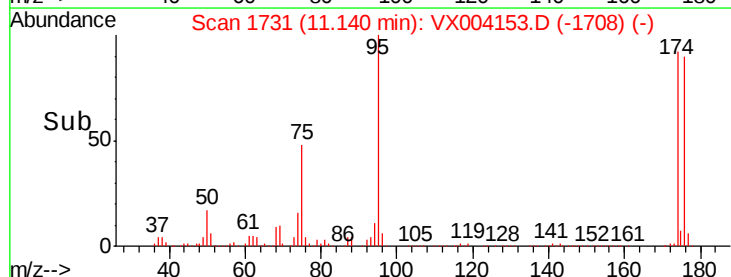
75 100

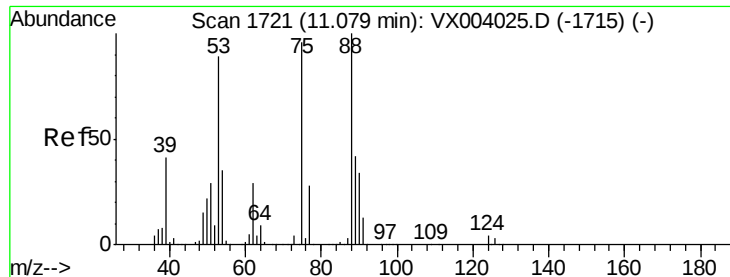
77 1.3 20.8 62.5#



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: 68.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

Instrument :

MSVOA_X

ClientSampled :

NUTLEY-DRUM

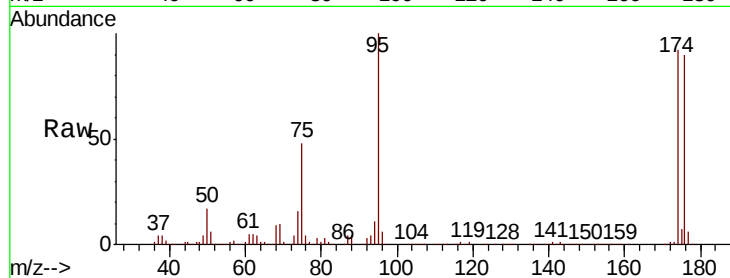
Tot Ion: 75 Resp: 96687

Ion Ratio Lower Upper

75 100

53 0.3 80.3 120.5#

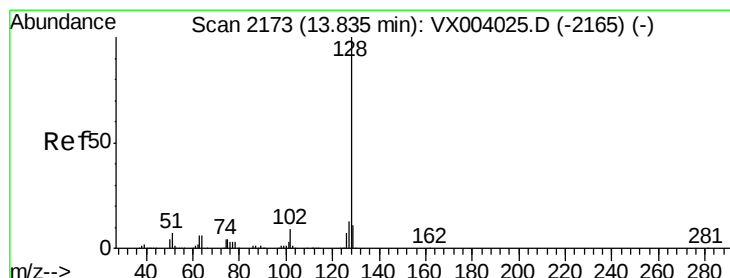
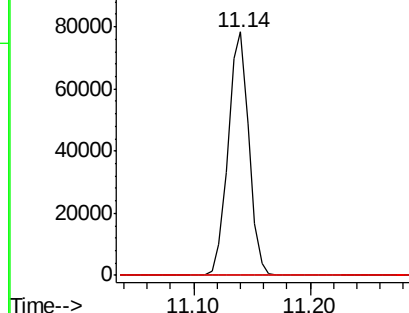
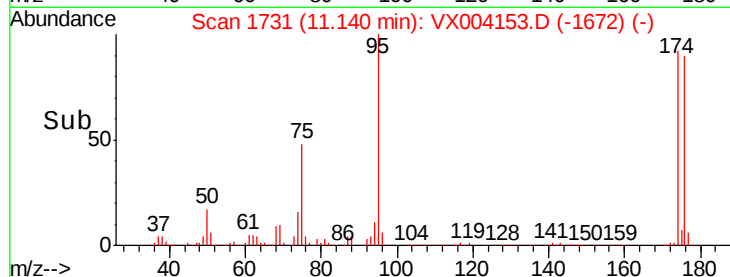
89 0.0 37.8 56.8#



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



#95

Naphthalene

Concen: 1.15 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004153.D

Acq: 20 Aug 2018 15:22

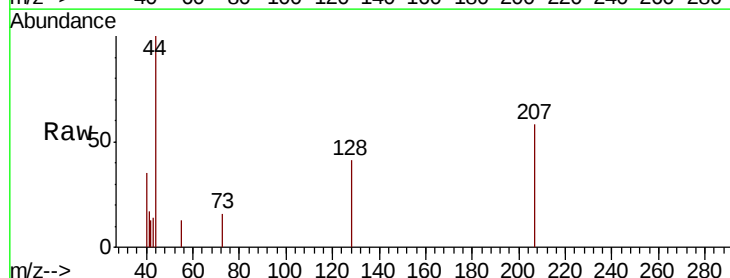
Tgt Ion: 128 Resp: 136

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

