

Data File : VX000419.D

Acq On : 22 Mar 2018 20:44

Operator : JC/MD

Sample : J1992-01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DRUM-1-4-A

Quant Time: Mar 23 05:47:51 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	86861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	152839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	145800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	69777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	63658	56.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.28%	
35) Dibromofluoromethane	5.51	113	49649	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	8.73	98	191162	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.15	95	61294	38.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.10%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	290	0.27	ug/l	# 53
6) Chloroethane	1.73	64	1004	Below	Cal	# 64
10) Methyl Iodide	2.51	142	110	4.37	ug/l	# 37
11) Tert butyl alcohol	3.09	59	1335	3.42	ug/l	# 72
16) Acetone	2.45	43	26332	27.92	ug/l	100
18) Methyl Acetate	2.79	43	413	0.21	ug/l	# 63
20) Methylene Chloride	2.87	84	791	0.73	ug/l	# 62
25) 2-Butanone	4.73	43	4371	4.12	ug/l	98
31) Cyclohexane	5.67	56	2157	1.51	ug/l	# 30
36) 1,1-Dichloropropene	5.67	75	6894	4.82	ug/l	# 51
37) Ethyl Acetate	4.73	43	4371	2.24	ug/l	# 69
38) Carbon Tetrachloride	5.67	117	8437	5.62	ug/l	# 14
51) 4-Methyl-2-Pentanone	8.66	43	829	0.37	ug/l	# 78
59) 2-Hexanone	9.51	43	835	0.44	ug/l	74
60) Dibromochloromethane	9.35	129	26	4.13	ug/l	# 12
74) N-amyl acetate	6.29	43	20	Below	Cal	# 59
76) 1,2,3-Trichloropropane	11.15	75	36389	24.27	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.15	75	36389	78.56	ug/l	# 9

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 23 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1-4-A

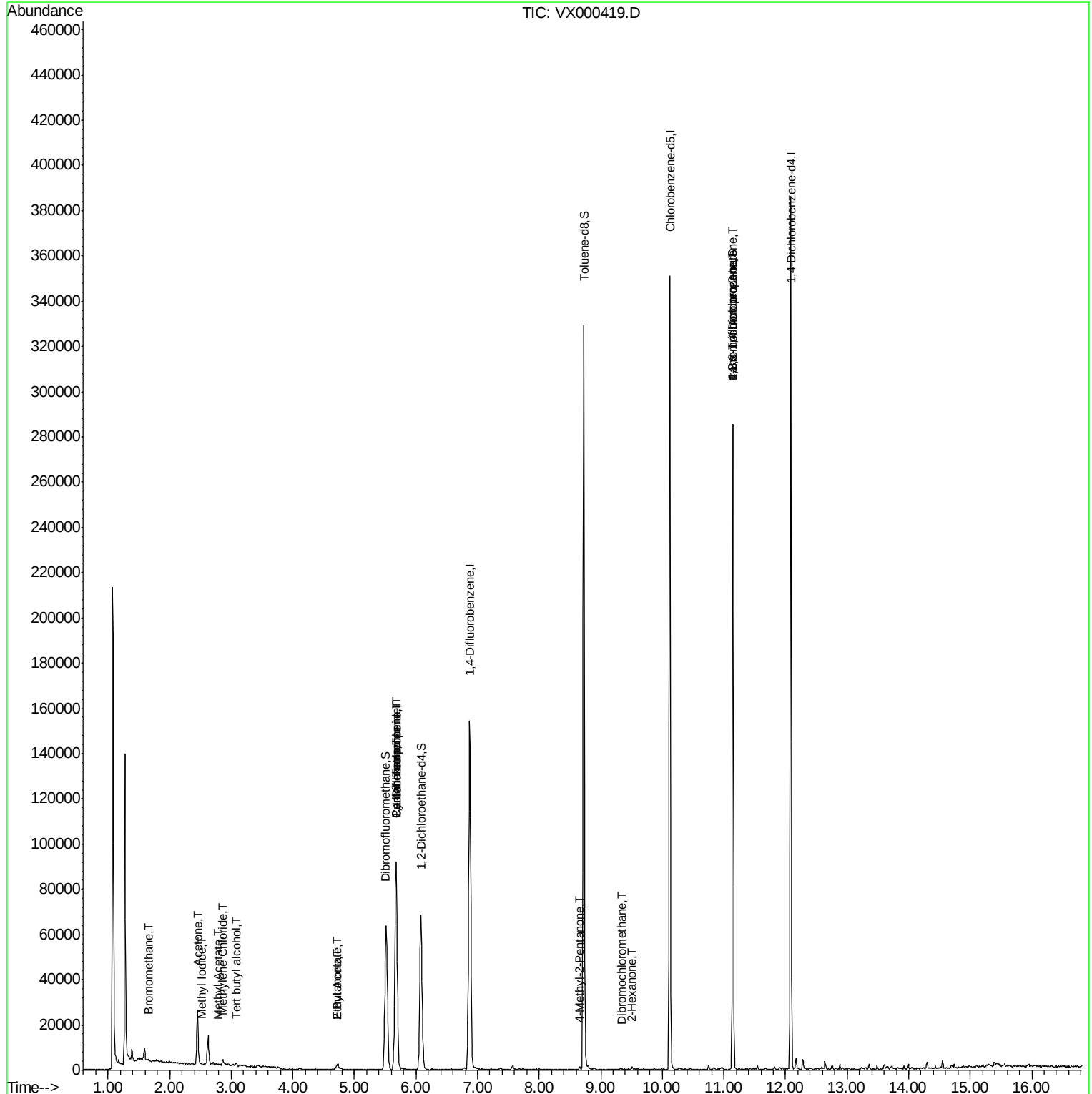
Quant Time: Mar 23 05:47:51 2018

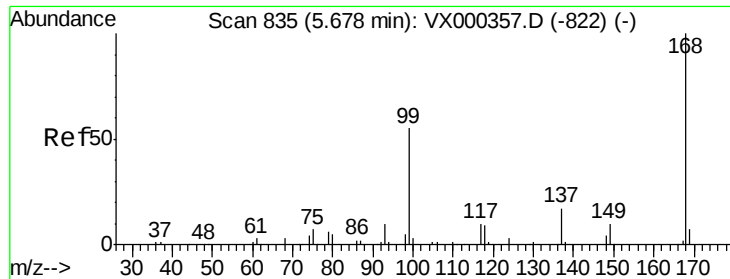
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

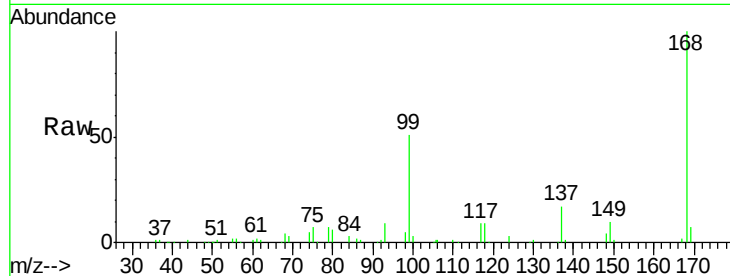
DRUM-1-4-A

Tgt Ion:168 Resp: 86861

Ion Ratio Lower Upper

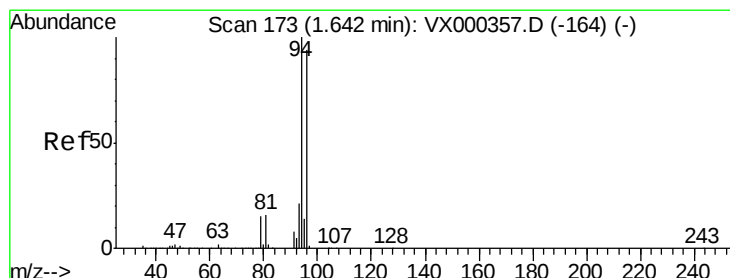
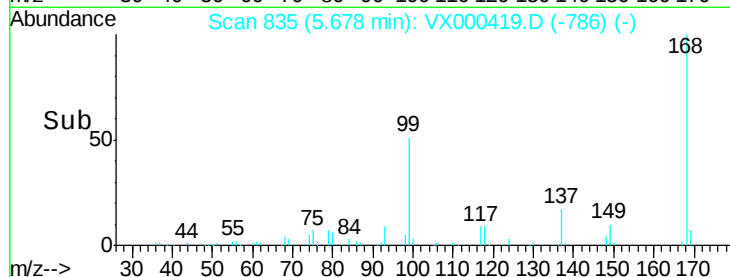
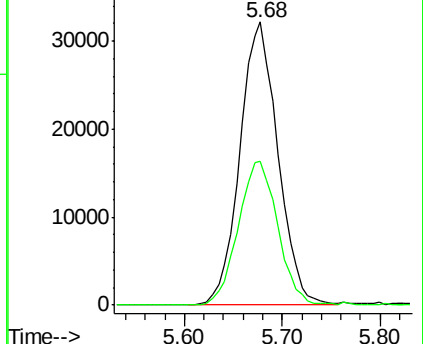
168 100

99 50.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.27 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000419.D

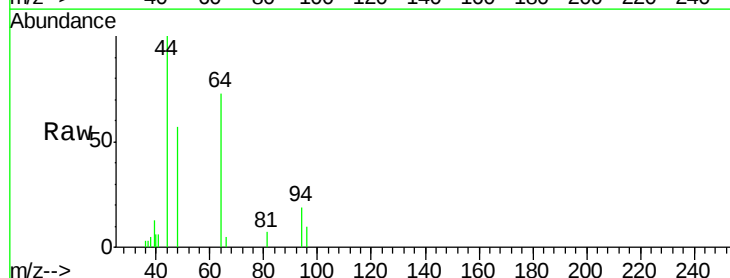
Acq: 22 Mar 2018 20:44

Tgt Ion: 94 Resp: 290

Ion Ratio Lower Upper

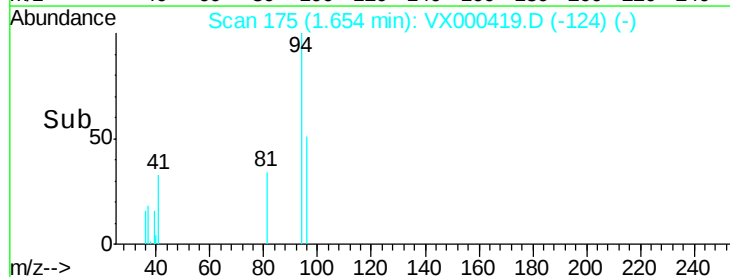
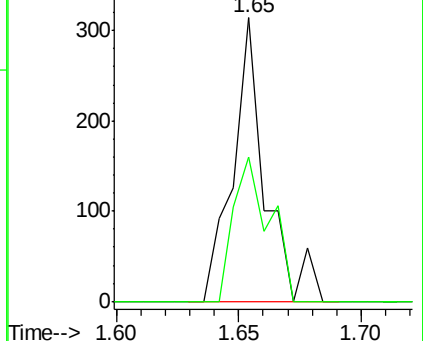
94 100

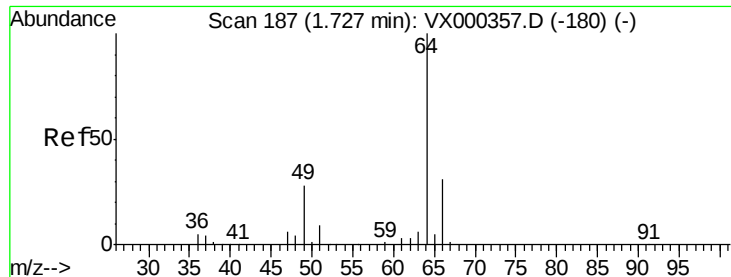
96 51.0 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

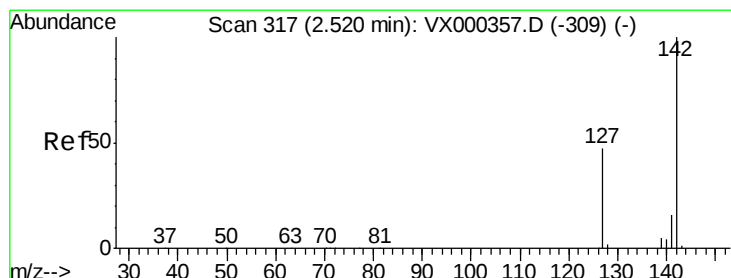
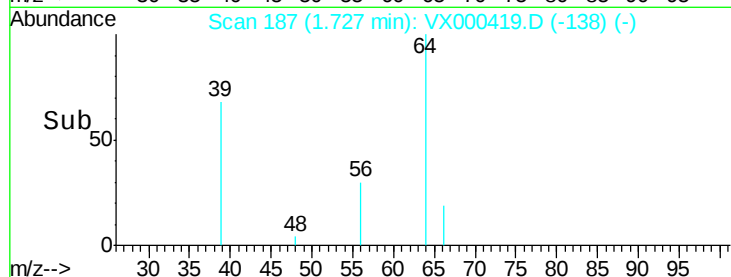
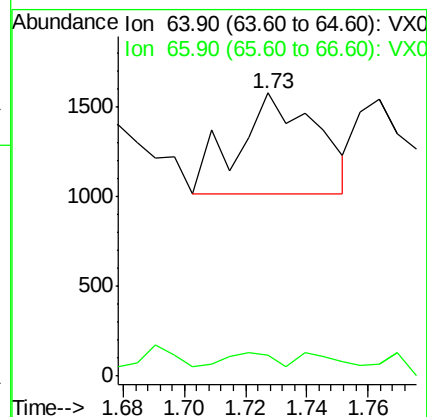
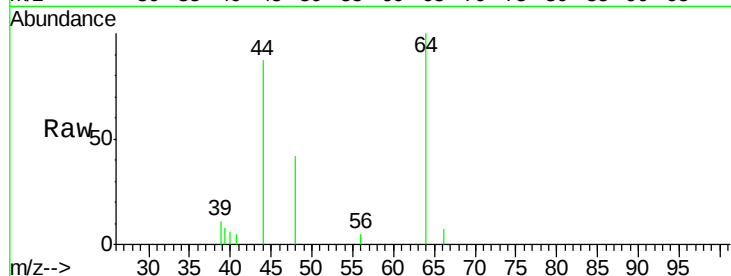
DRUM-1-4-A

Tgt Ion: 64 Resp: 1004

Ion Ratio Lower Upper

64 100

66 11.1 24.8 37.2#



#10

Methyl Iodide

Concen: 4.37 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

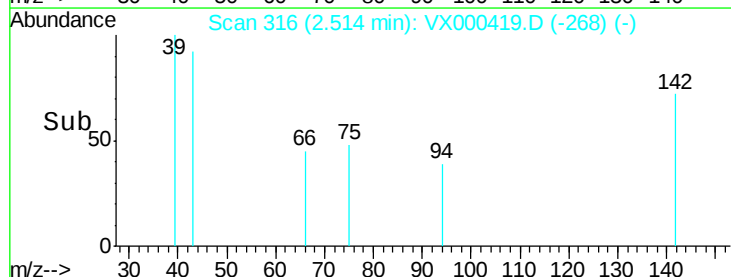
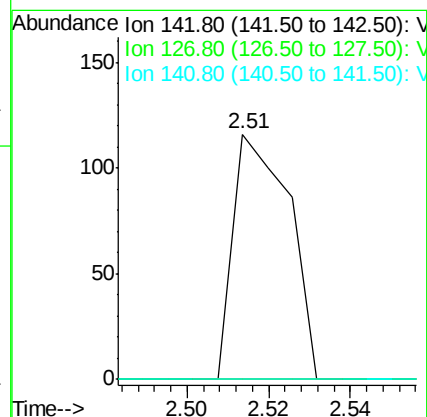
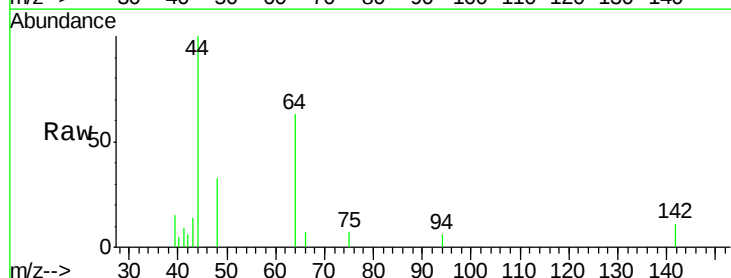
Tgt Ion: 142 Resp: 110

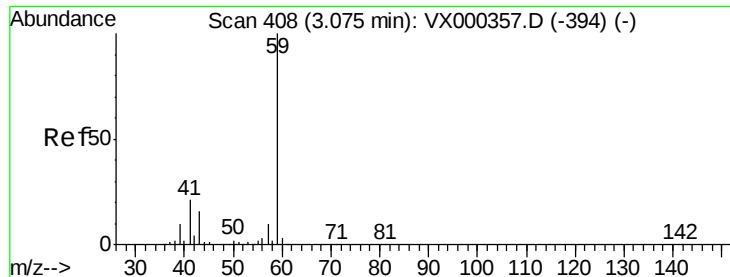
Ion Ratio Lower Upper

142 100

127 0.0 39.2 58.8#

141 0.0 11.7 17.5#

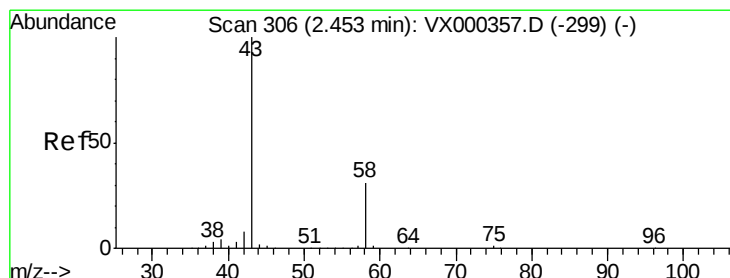
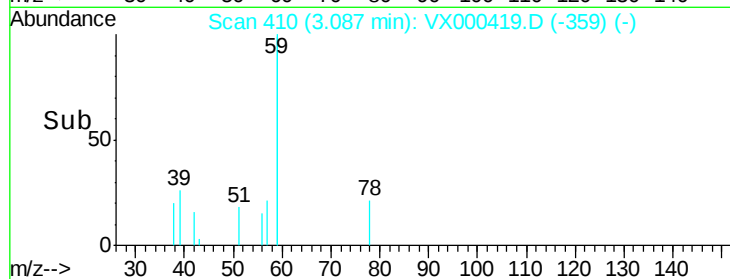
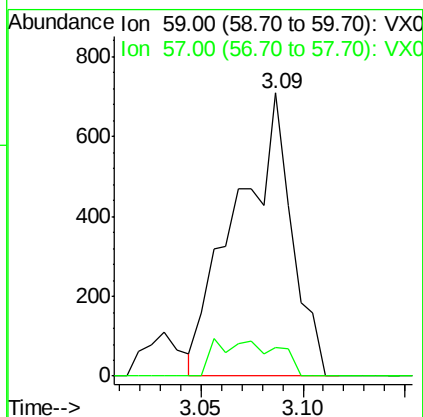
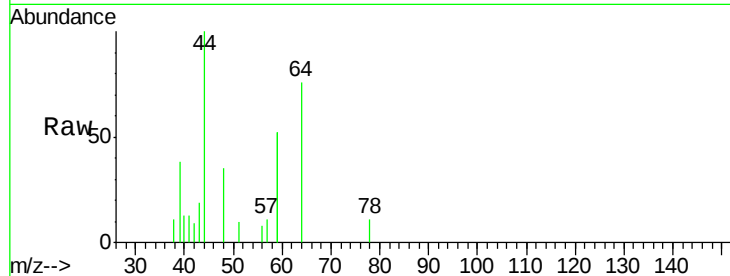




#11
Tert butyl alcohol
Concen: 3.42 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000419.D
Acq: 22 Mar 2018 20:44

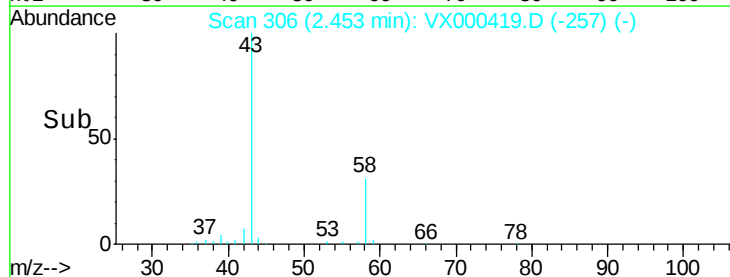
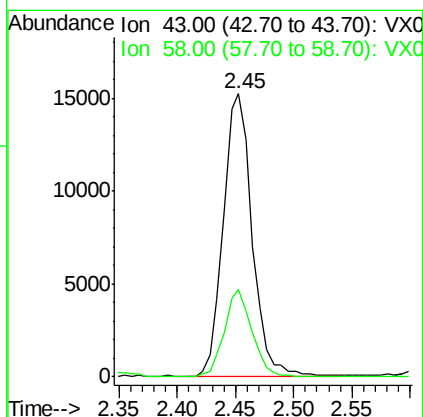
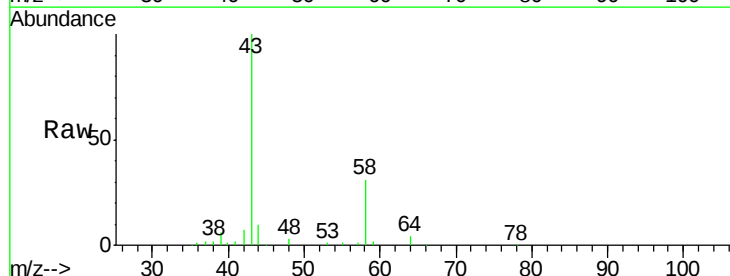
Instrument :
MSVOA_X
ClientSampleId :
DRUM-1-4-A

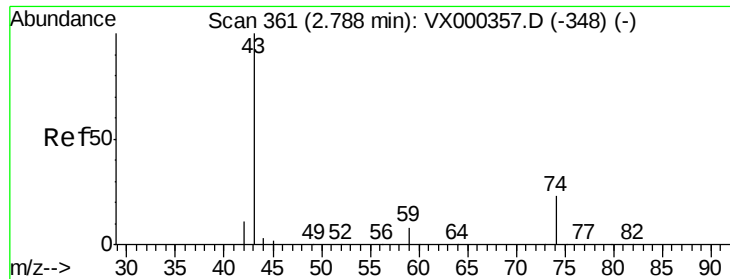
Tgt Ion: 59 Resp: 1335
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 27.92 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX000419.D
Acq: 22 Mar 2018 20:44

Tgt Ion: 43 Resp: 26332
Ion Ratio Lower Upper
43 100
58 30.9 24.7 37.1

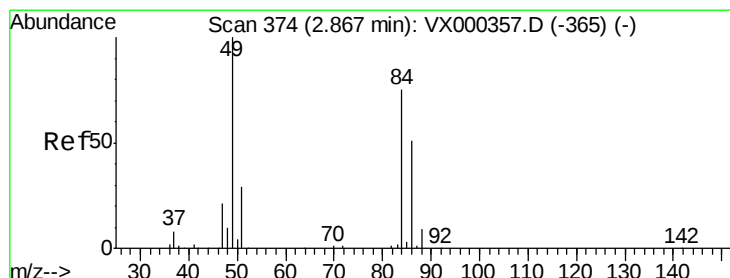
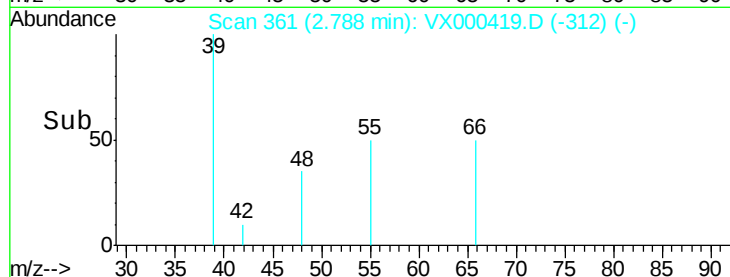
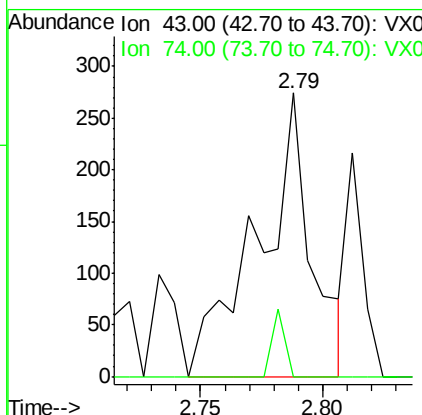
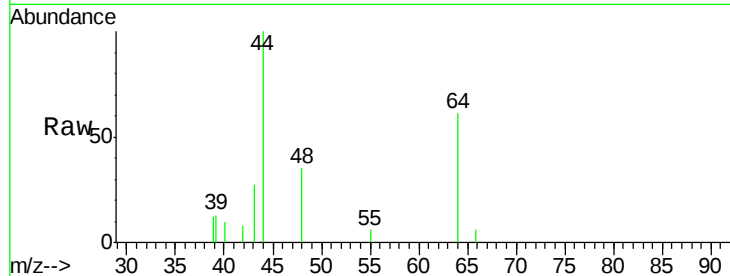




#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX000419.D
Acq: 22 Mar 2018 20:44

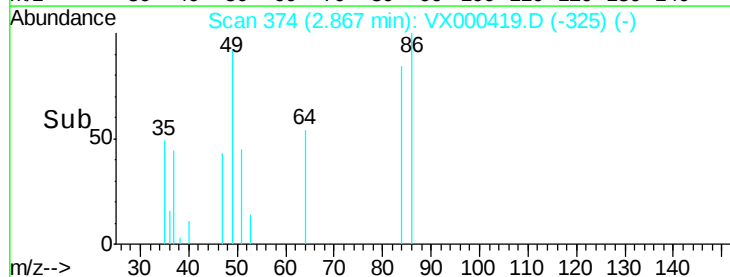
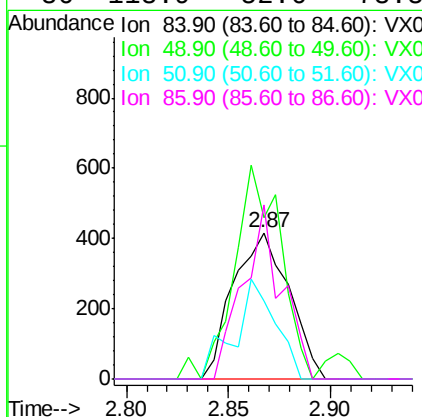
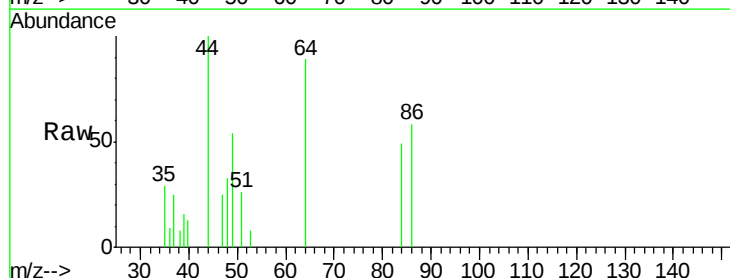
Instrument :
MSVOA_X
ClientSampled :
DRUM-1-4-A

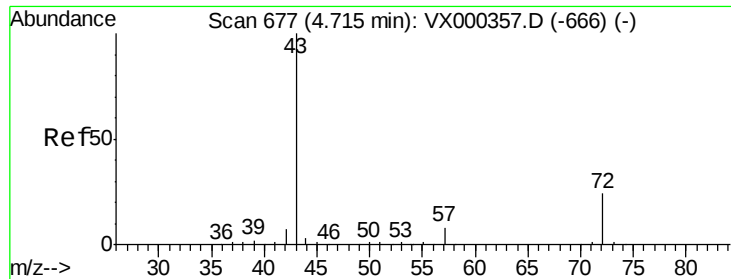
Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
74 5.8 19.4 29.2#



#20
Methylene Chloride
Concen: 0.73 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000419.D
Acq: 22 Mar 2018 20:44

Tgt Ion: 84 Resp: 791
Ion Ratio Lower Upper
84 100
49 95.0 100.6 151.0#
51 53.5 31.6 47.4#
86 118.9 52.6 78.8#





#25

2-Butanone

Concen: 4.12 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

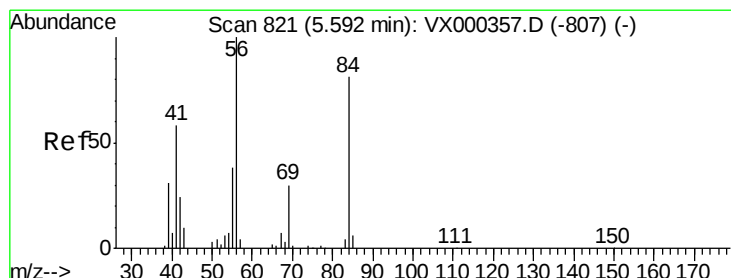
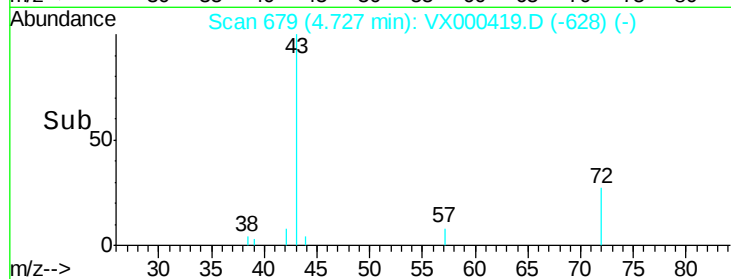
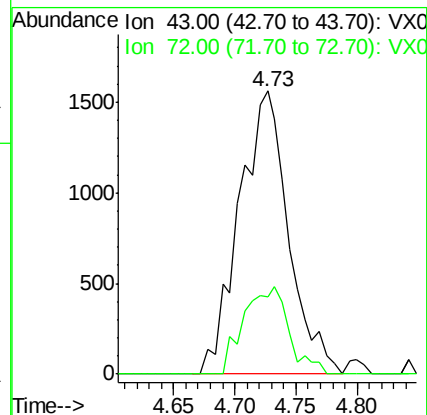
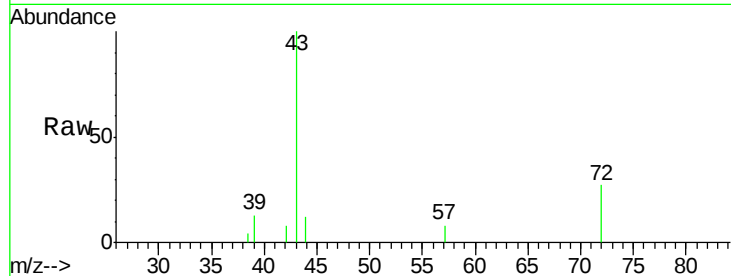
DRUM-1-4-A

Tgt Ion: 43 Resp: 4371

Ion Ratio Lower Upper

43 100

72 27.3 21.0 31.6



#31

Cyclohexane

Concen: 1.51 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

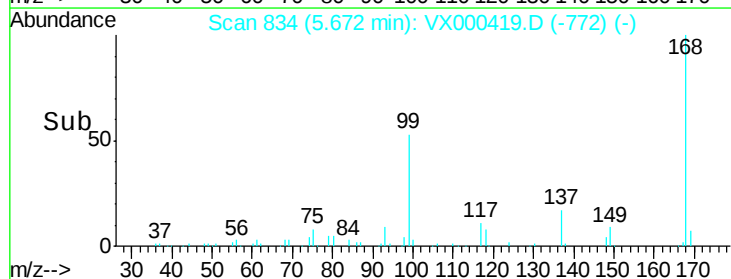
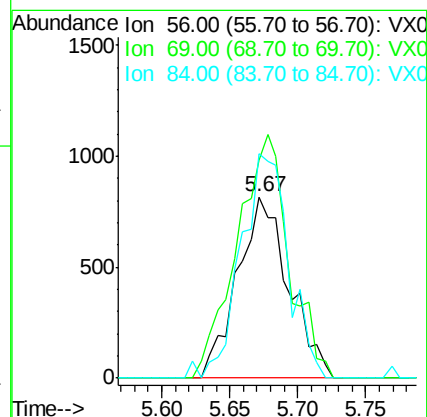
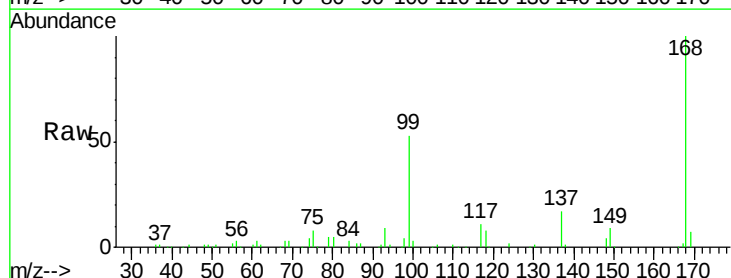
Tgt Ion: 56 Resp: 2157

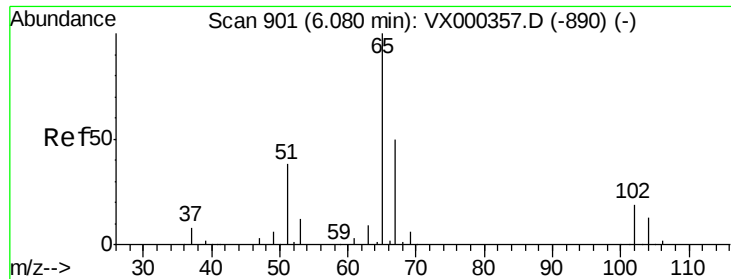
Ion Ratio Lower Upper

56 100

69 120.3 23.4 35.0#

84 123.7 71.0 106.4#

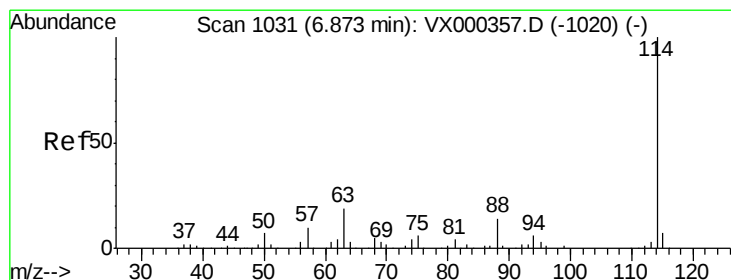
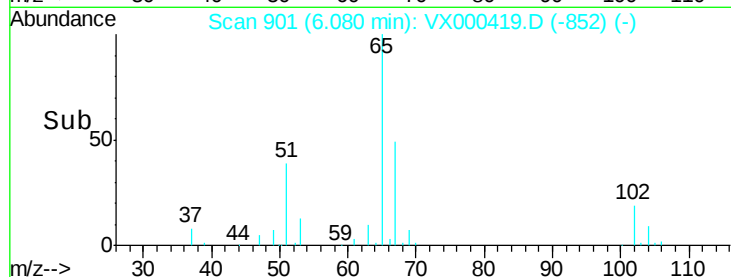
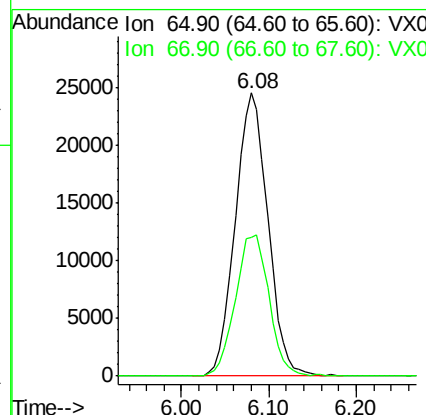
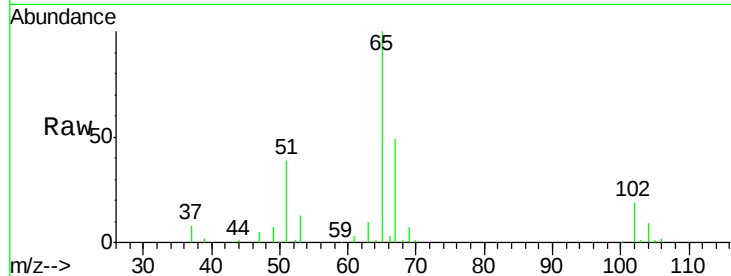




#33
 1,2-Dichloroethane-d4
 Concen: 56.14 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000419.D
 Acq: 22 Mar 2018 20:44

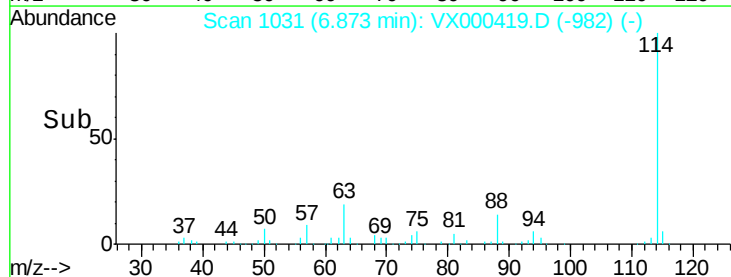
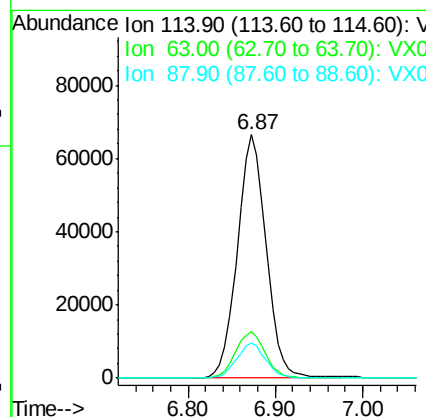
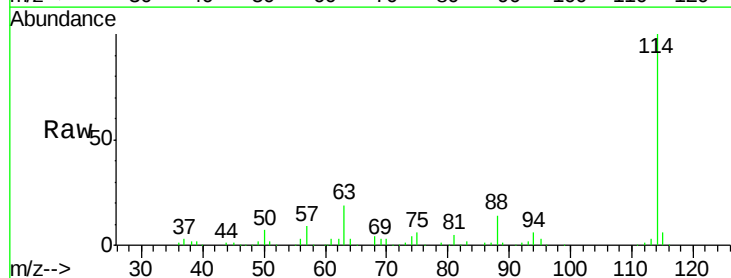
Instrument :
 MSVOA_X
 ClientSampled :
 DRUM-1-4-A

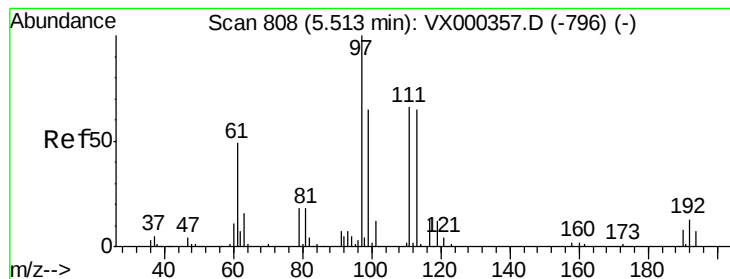
Tgt Ion: 65 Resp: 63658
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000419.D
 Acq: 22 Mar 2018 20:44

Tgt Ion: 114 Resp: 152839
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 14.4 0.0 27.0





#35

Dibromofluoromethane

Concen: 51.56 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1-4-A

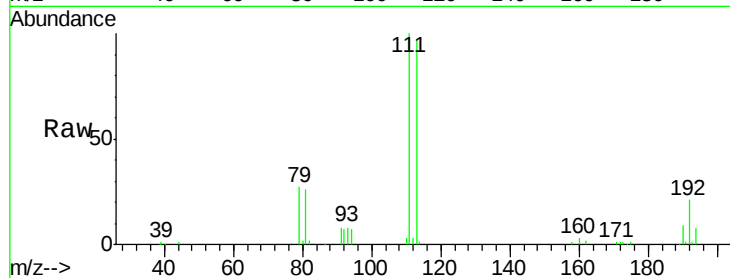
Tgt Ion:113 Resp: 49649

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

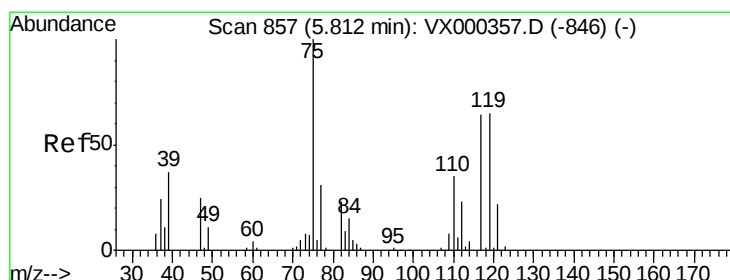
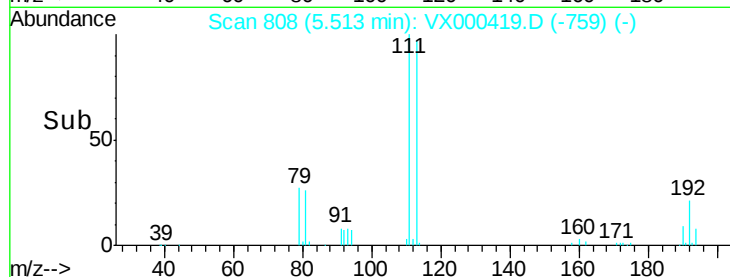
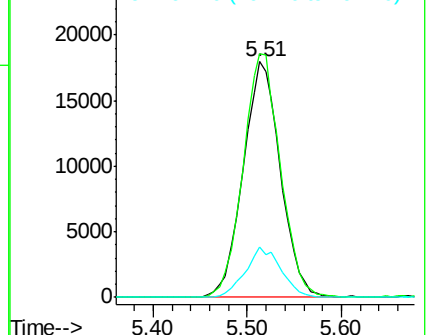
192 20.4 15.8 23.6



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: 4.82 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

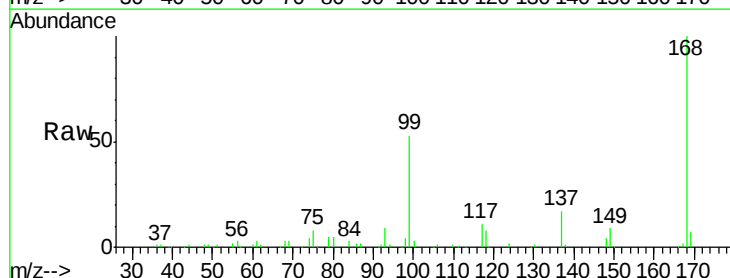
Tgt Ion: 75 Resp: 6894

Ion Ratio Lower Upper

75 100

110 10.0 17.9 53.7#

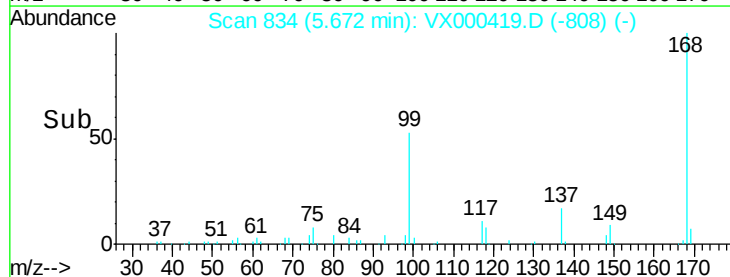
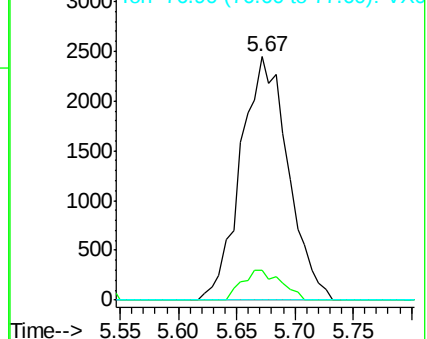
77 0.0 24.0 36.0#

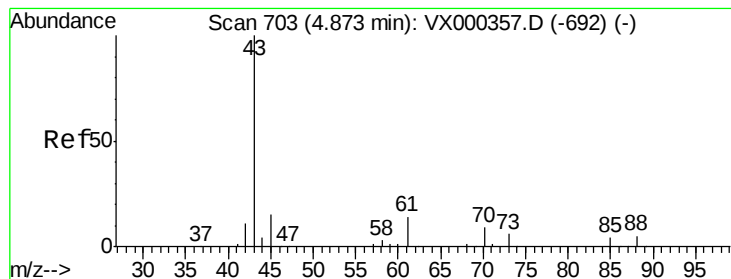


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 2.24 ug/l

RT: 4.73 min Scan# 679

Delta R.T. -0.15 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1-4-A

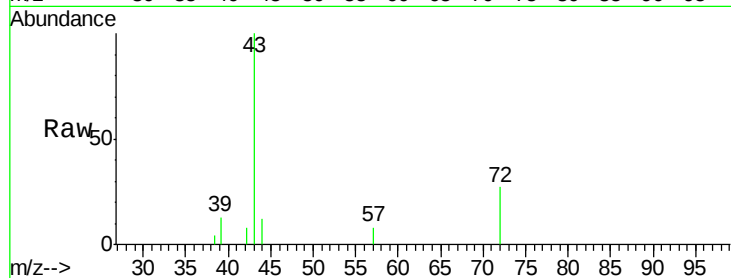
Tgt Ion: 43 Resp: 4371

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

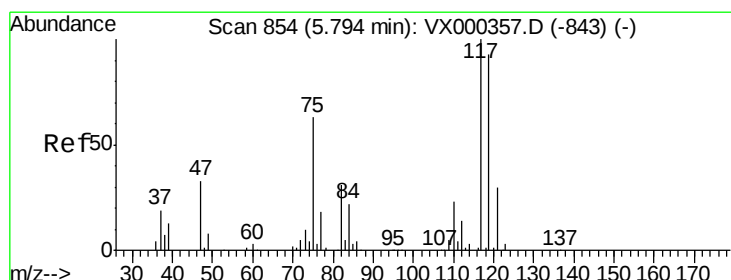
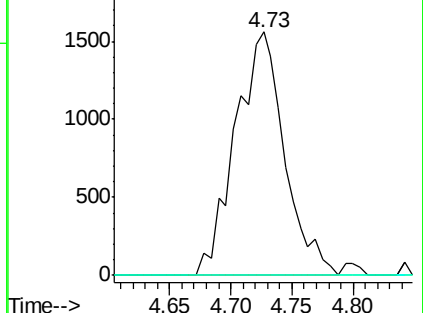
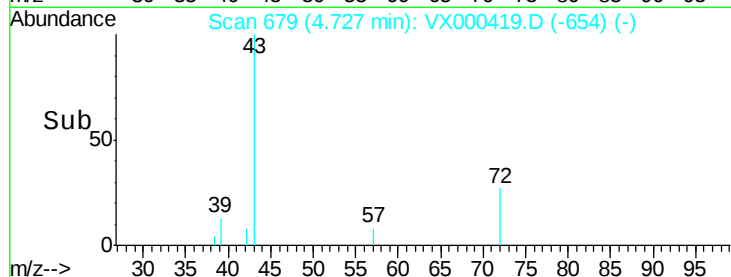
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VX000419.D (-654) (-)

Ion 60.90 (60.60 to 61.60): VX000419.D (-654) (-)

Ion 70.00 (69.70 to 70.70): VX000419.D (-654) (-)



#38

Carbon Tetrachloride

Concen: 5.62 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

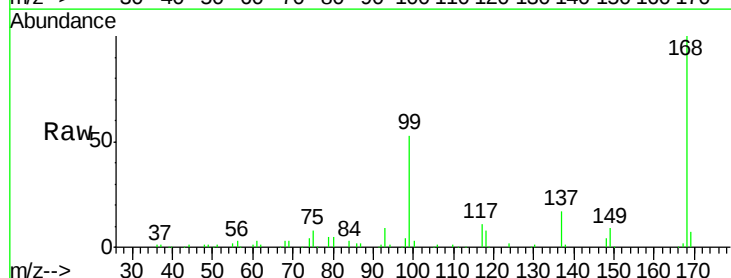
Tgt Ion: 117 Resp: 8437

Ion Ratio Lower Upper

117 100

119 3.2 77.4 116.2#

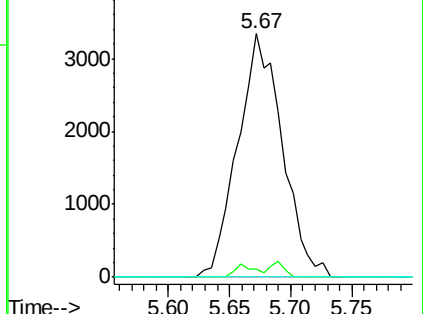
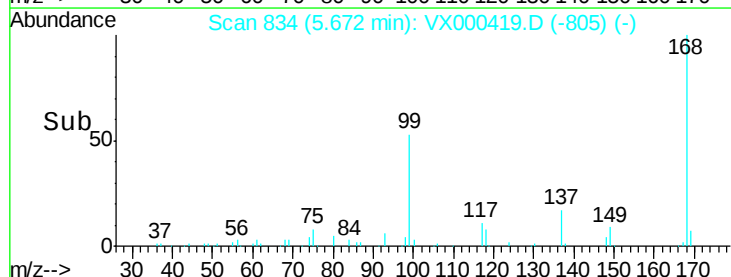
121 0.0 24.8 37.2#

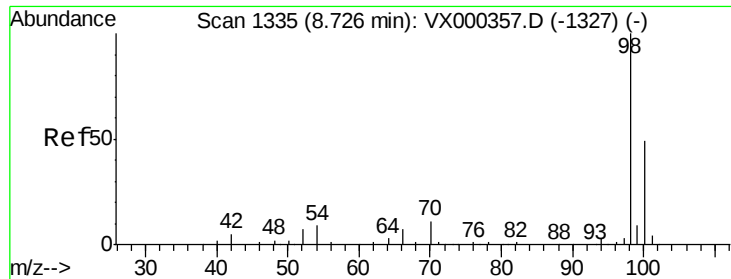


Abundance Ion 116.80 (116.50 to 117.50): VX000419.D (-805) (-)

Ion 118.80 (118.50 to 119.50): VX000419.D (-805) (-)

Ion 120.80 (120.50 to 121.50): VX000419.D (-805) (-)





#50

Toluene-d8

Concen: 47.93 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

Instrument :

MSVOA_X

ClientSampled :

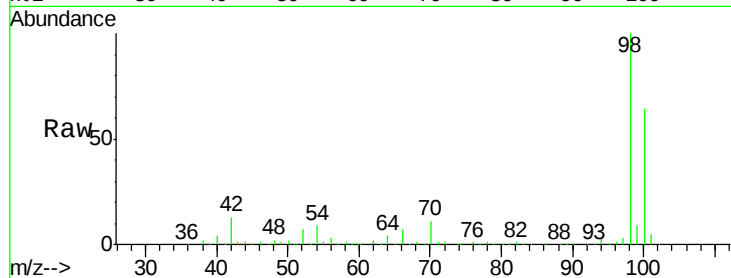
DRUM-1-4-A

Tgt Ion: 98 Resp: 191162

Ion Ratio Lower Upper

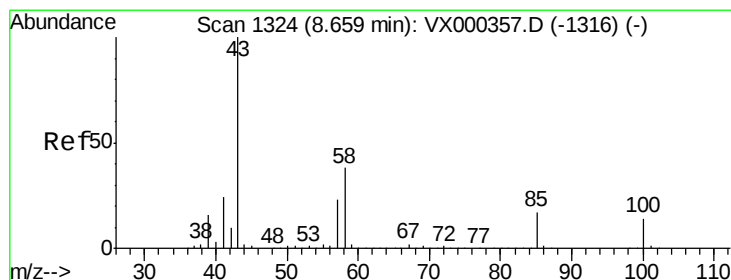
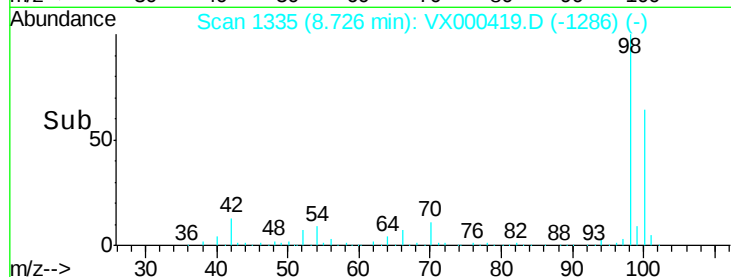
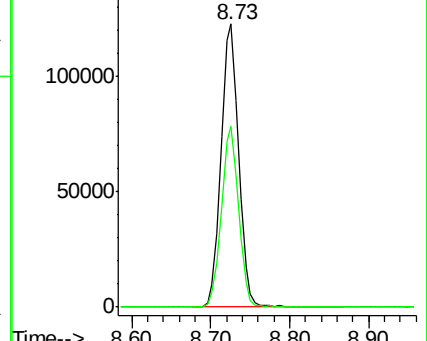
98 100

100 62.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.37 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000419.D

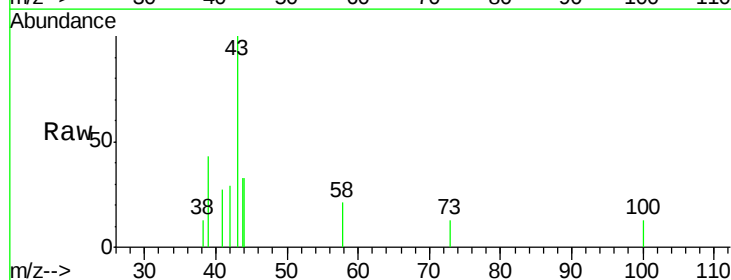
Acq: 22 Mar 2018 20:44

Tgt Ion: 43 Resp: 829

Ion Ratio Lower Upper

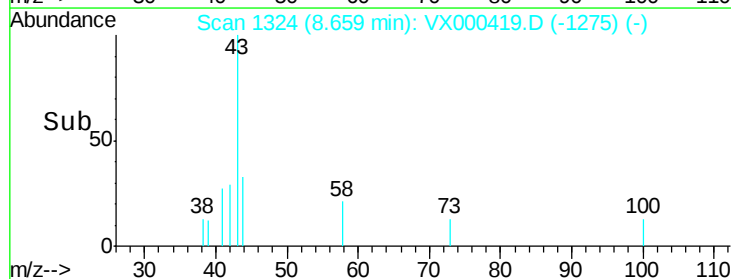
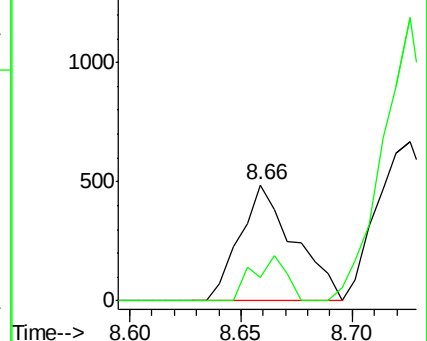
43 100

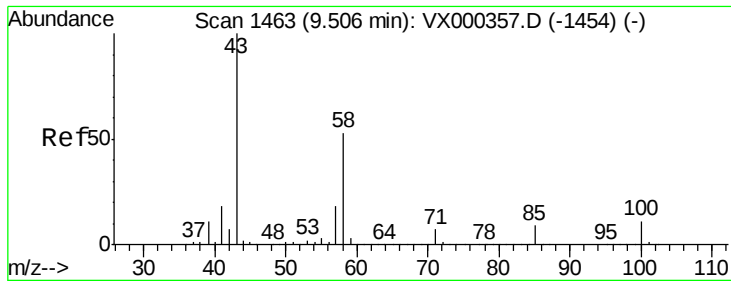
58 24.4 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

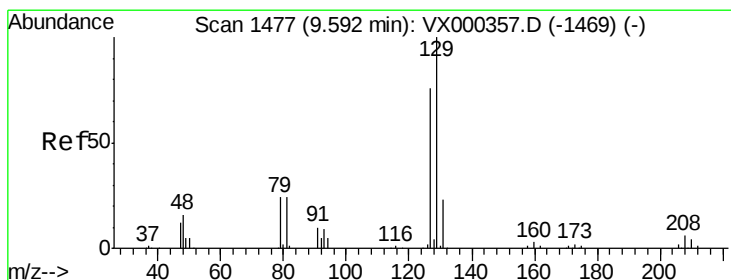
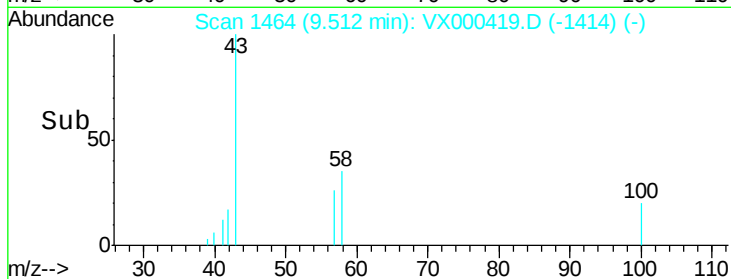
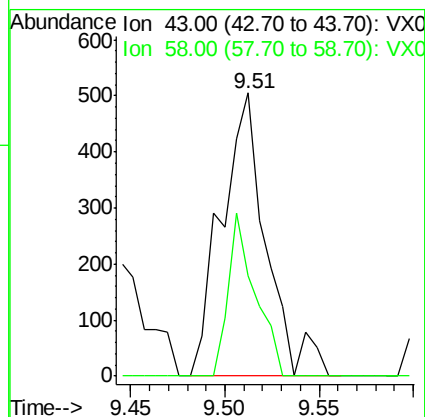
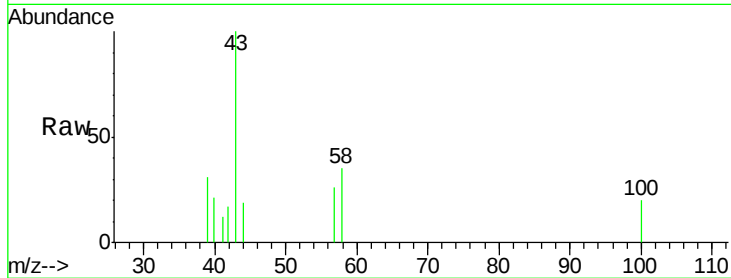




#59
 2-Hexanone
 Concen: 0.44 ug/l
 RT: 9.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VX000419.D
 Acq: 22 Mar 2018 20:44

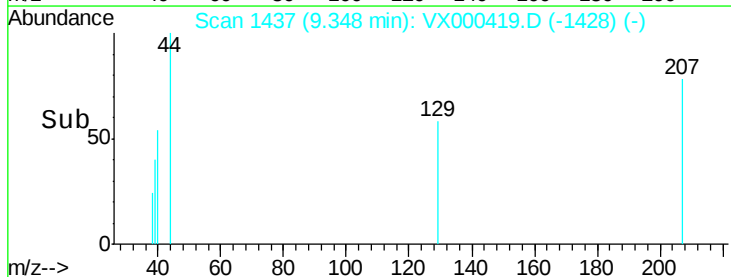
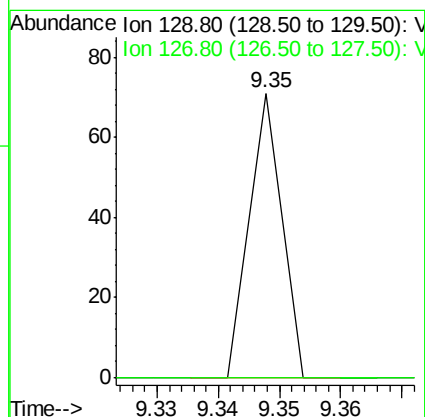
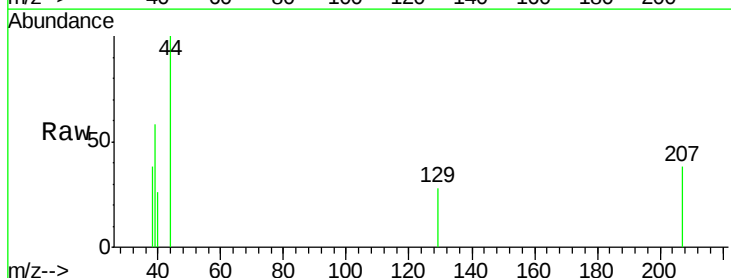
Instrument :
 MSVOA_X
 ClientSampled :
 DRUM-1-4-A

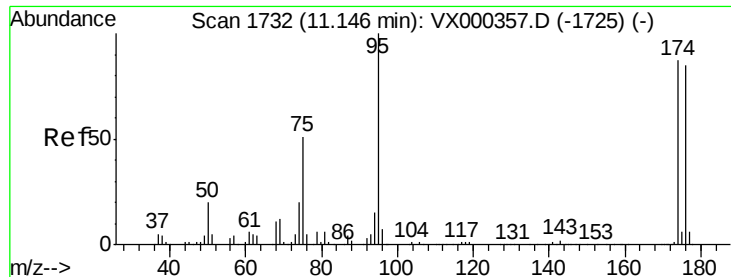
Tgt Ion: 43 Resp: 835
 Ion Ratio Lower Upper
 43 100
 58 34.5 26.6 79.7



#60
 Dibromochloromethane
 Concen: 4.13 ug/l
 RT: 9.35 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: VX000419.D
 Acq: 22 Mar 2018 20:44

Tgt Ion: 129 Resp: 26
 Ion Ratio Lower Upper
 129 100
 127 0.0 37.9 113.6#





#62

4-Bromofluorobenzene

Concen: 38.05 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1-4-A

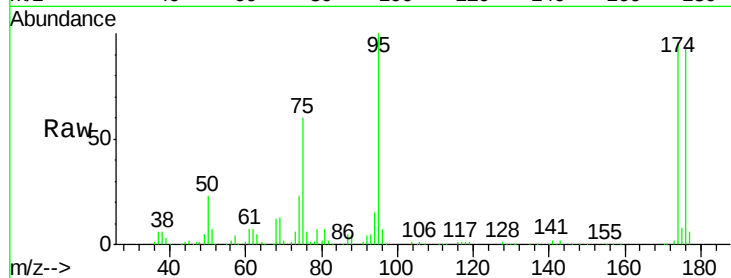
Tgt Ion: 95 Resp: 61294

Ion Ratio Lower Upper

95 100

174 94.7 0.0 173.6

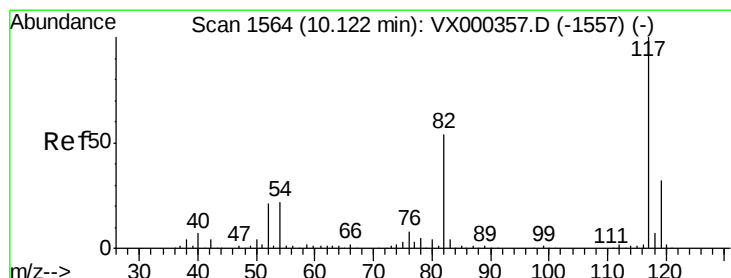
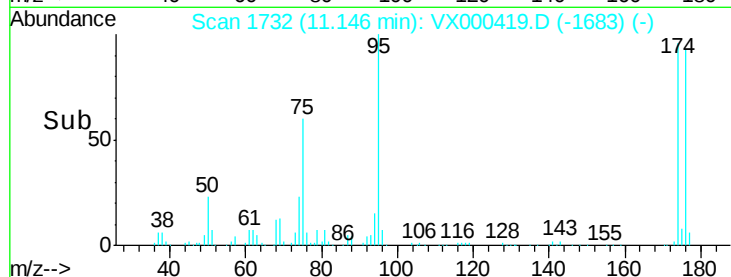
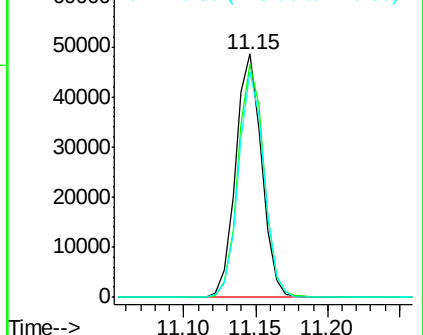
176 90.2 0.0 164.6



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: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

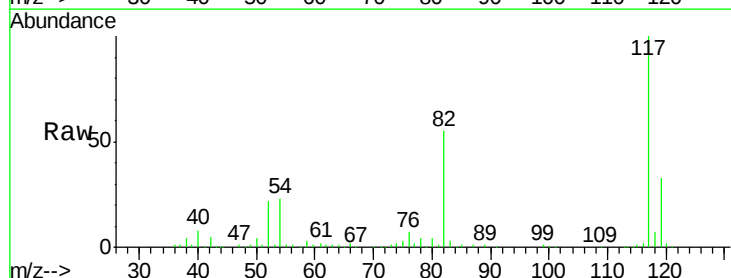
Tgt Ion: 117 Resp: 145800

Ion Ratio Lower Upper

117 100

82 54.8 43.8 65.8

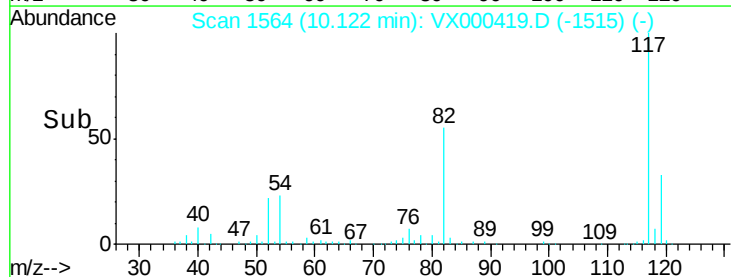
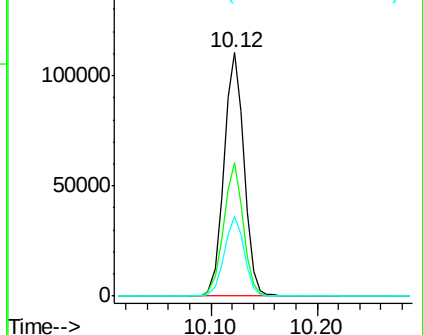
119 32.7 24.9 37.3

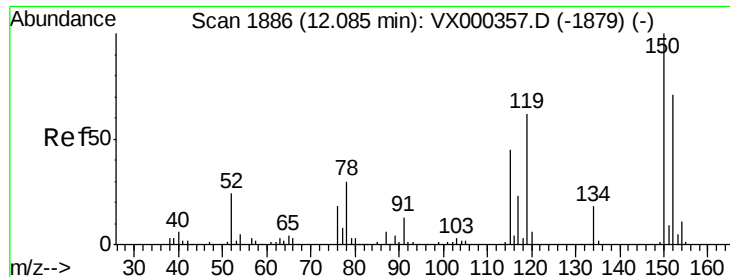


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1-4-A

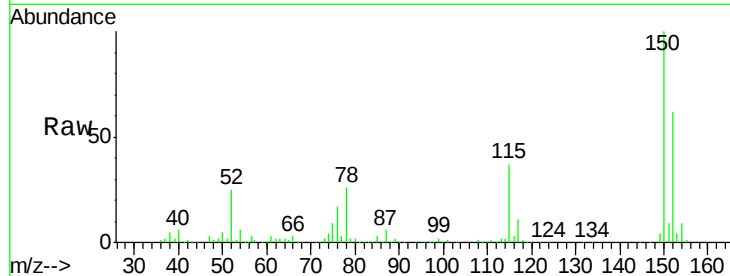
Tgt Ion:152 Resp: 69777

Ion Ratio Lower Upper

152 100

115 58.6 39.8 119.3

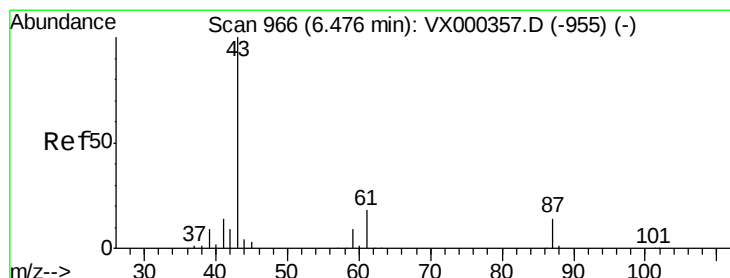
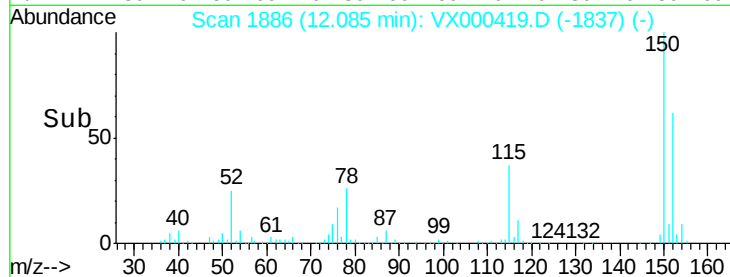
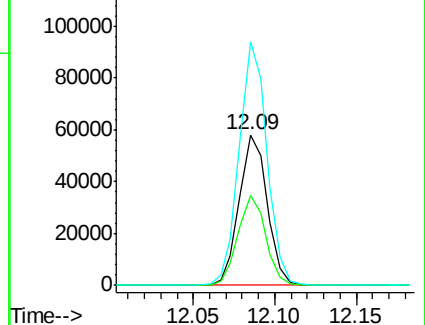
150 159.9 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.29 min Scan# 936

Delta R.T. -0.18 min

Lab File: VX000419.D

Acq: 22 Mar 2018 20:44

Tgt Ion: 43 Resp: 20

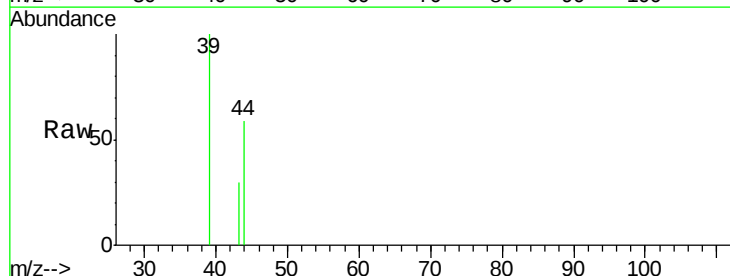
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

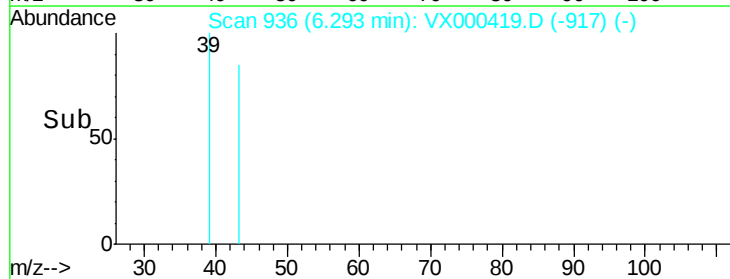
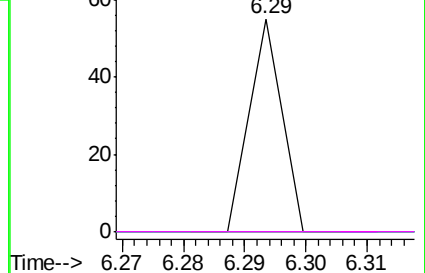


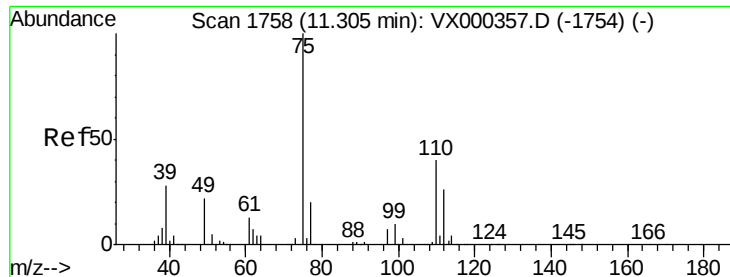
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

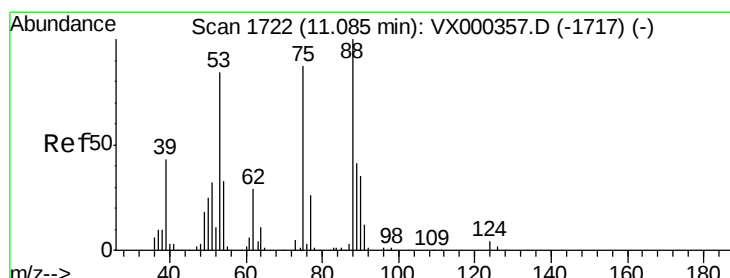
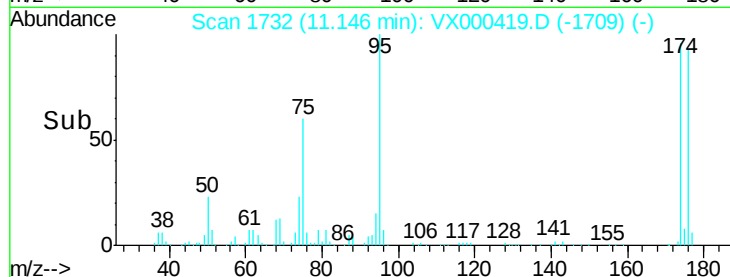
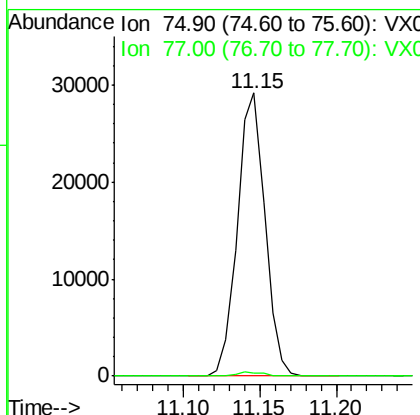
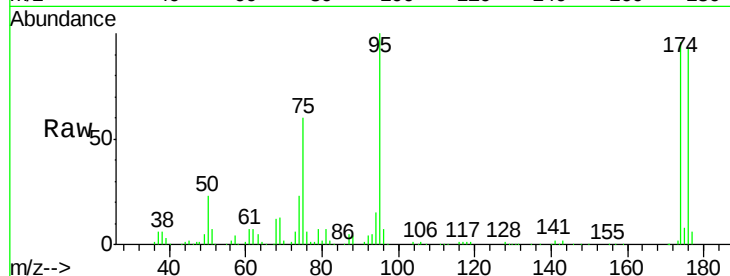




#76
 1,2,3-Trichloropropane
 Concen: 24.27 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000419.D
 Acq: 22 Mar 2018 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-1-4-A

Tgt Ion: 75 Resp: 36389
 Ion Ratio Lower Upper
 75 100
 77 1.5 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.56 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000419.D
 Acq: 22 Mar 2018 20:44

Tgt Ion: 75 Resp: 36389
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

