

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000244.D
 Acq On : 09 Mar 2018 01:40
 Operator : JC/MD
 Sample : J1749-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-01-030618

Quant Time: Mar 09 04:21:19 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	92597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	167183	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	163207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	83426	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	73911	57.58	ug/l	0.00
Spiked Amount			Recovery	=	115.16%	
35) Dibromofluoromethane	5.51	113	56171	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	8.73	98	215145	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.15	95	76093	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	

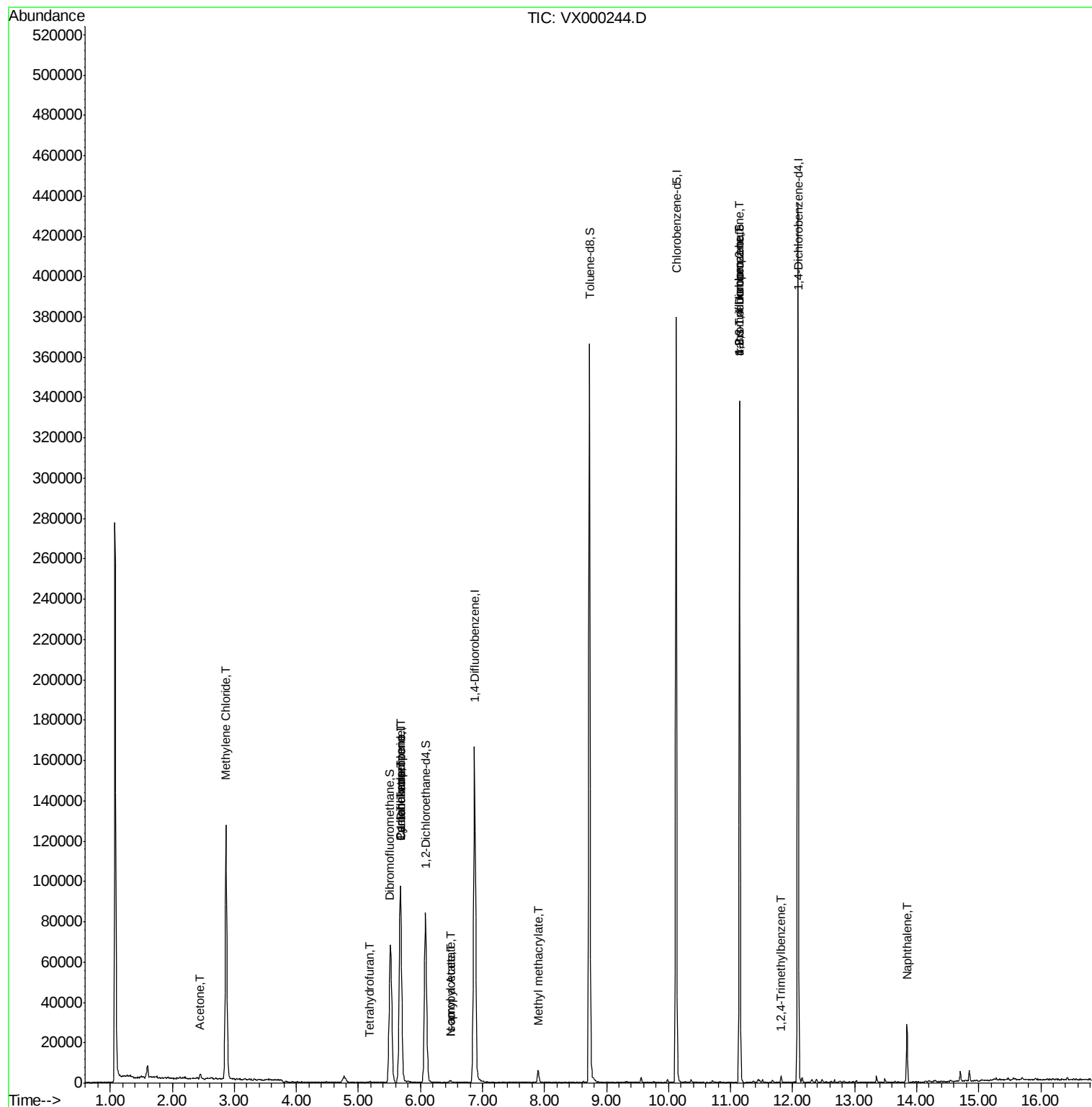
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	136	Below Cal		93
6) Chloroethane	1.73	64	142	Below Cal	#	42
16) Acetone	2.45	43	2352	2.55	ug/l	92
20) Methylene Chloride	2.87	84	54047	49.16	ug/l	96
29) Tetrahydrofuran	5.18	42	288	0.40	ug/l	# 55
31) Cyclohexane	5.67	56	2669	1.90	ug/l	# 33
36) 1,1-Dichloropropene	5.67	75	7700	5.18	ug/l	# 51
38) Carbon Tetrachloride	5.68	117	9332	6.20	ug/l	# 17
43) Isopropyl Acetate	6.49	43	1054	0.34	ug/l	# 79
48) Methyl methacrylate	7.90	41	918	0.60	ug/l	# 40
74) N-amyl acetate	6.49	43	1054	0.39	ug/l	# 87
76) 1,2,3-Trichloropropane	11.15	75	44060	26.35	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.15	75	44060	80.68	ug/l	# 10
84) 1,2,4-Trimethylbenzene	11.81	105	1551	0.35	ug/l	90
95) Naphthalene	13.84	128	15964	2.47	ug/l	99

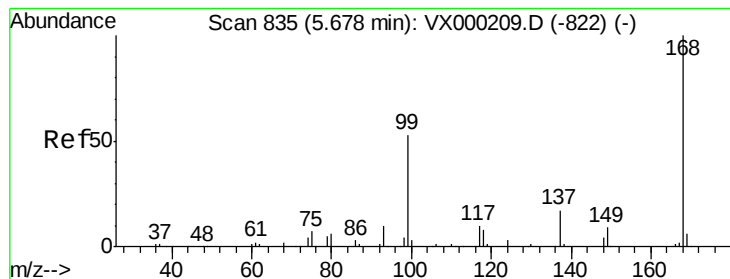
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000244.D

Acq: 09 Mar 2018 01:40

Instrument :

MSVOA_X

ClientSampleId :

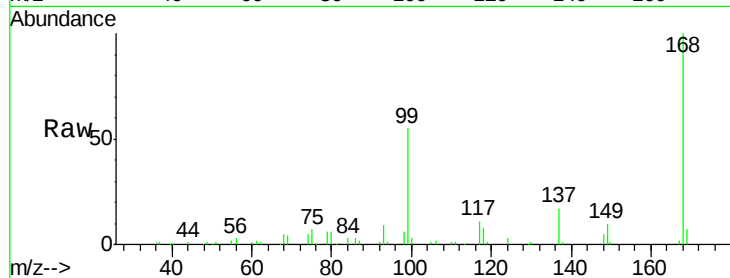
BU-01-030618

Tot Ion:168 Resp: 92597

Ion Ratio Lower Upper

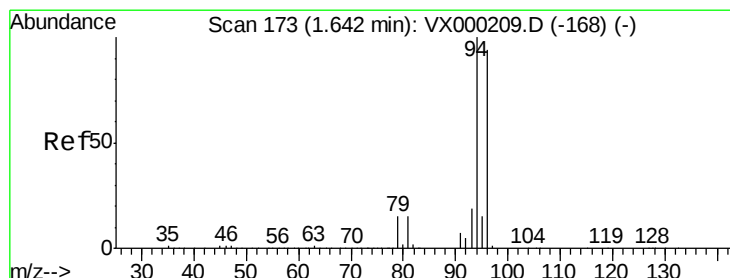
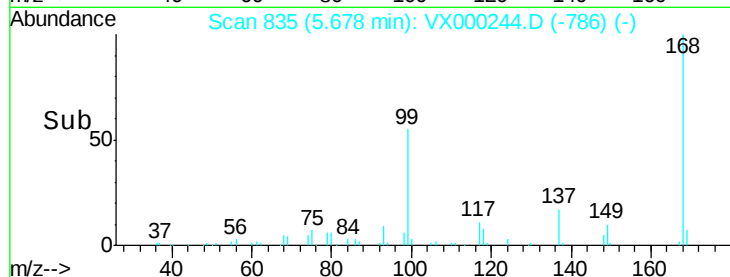
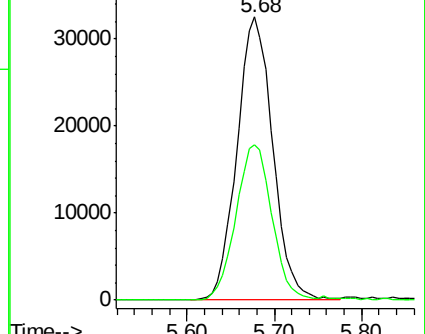
168 100

99 54.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000244.D

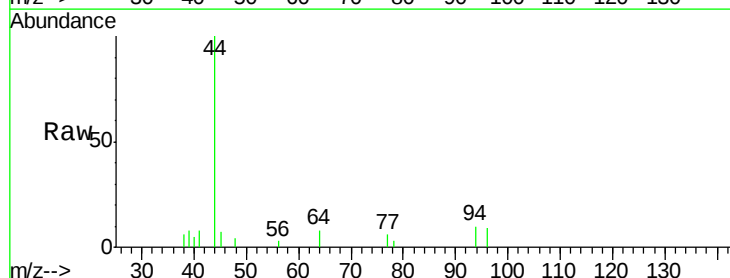
Acq: 09 Mar 2018 01:40

Tgt Ion: 94 Resp: 136

Ion Ratio Lower Upper

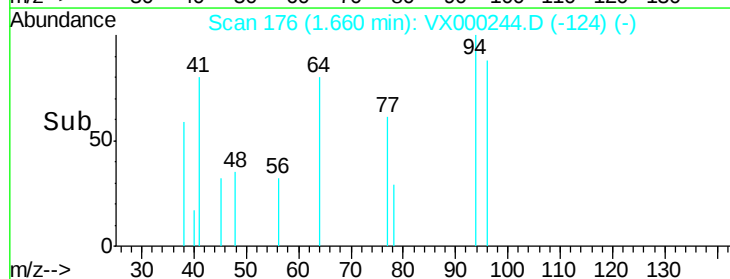
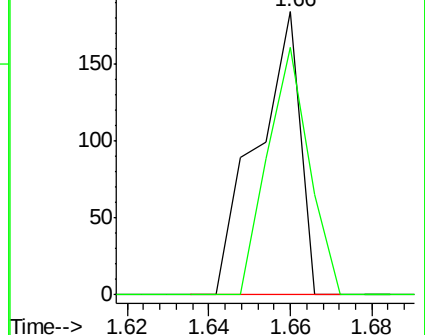
94 100

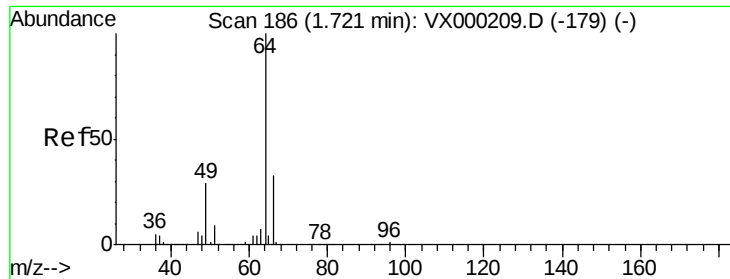
96 87.5 75.3 112.9



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# 188

Delta R.T. 0.01 min

Lab File: VX000244.D

Acq: 09 Mar 2018 01:40

Instrument :

MSVOA_X

ClientSampleId :

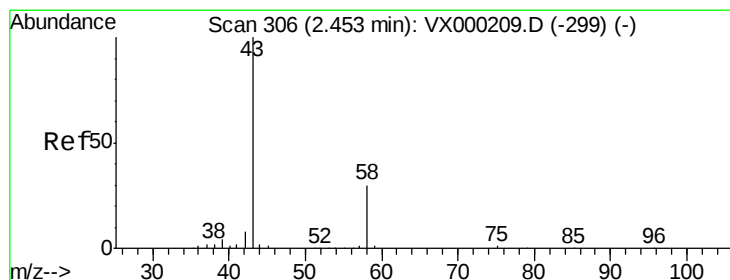
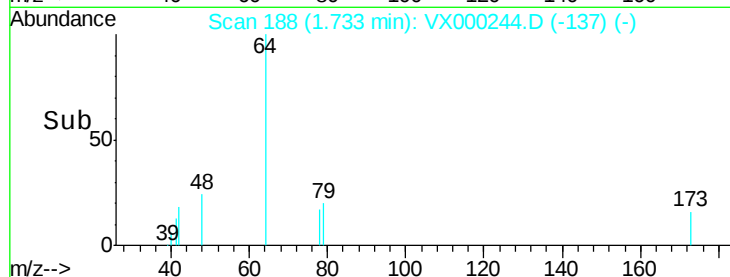
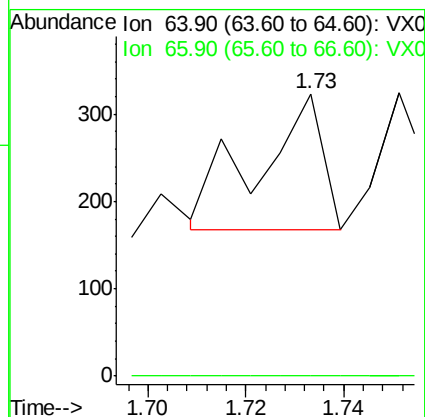
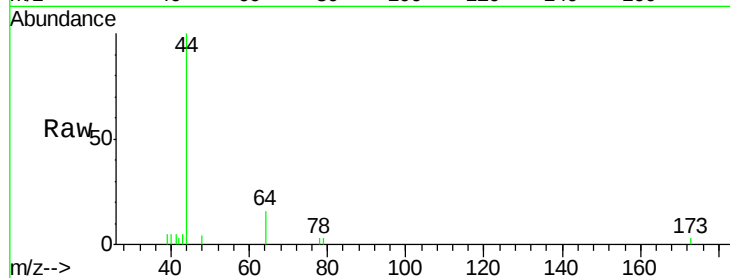
BU-01-030618

Tot Ion: 64 Resp: 142

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#



#16

Acetone

Concen: 2.55 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000244.D

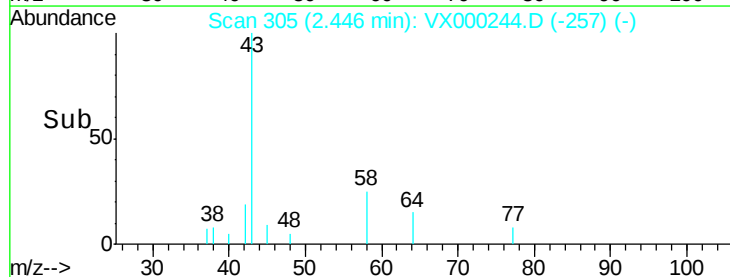
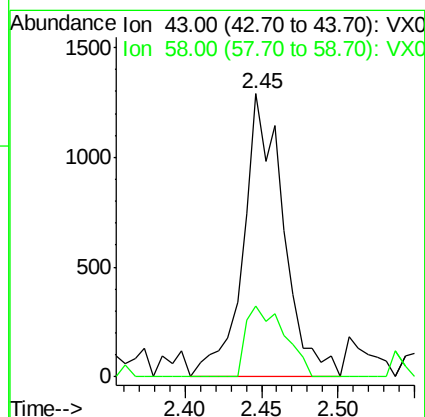
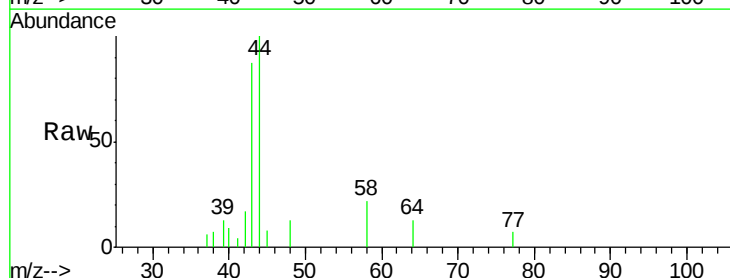
Acq: 09 Mar 2018 01:40

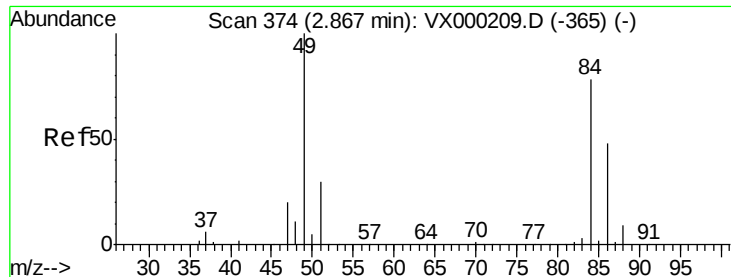
Tgt Ion: 43 Resp: 2352

Ion Ratio Lower Upper

43 100

58 25.2 23.8 35.6

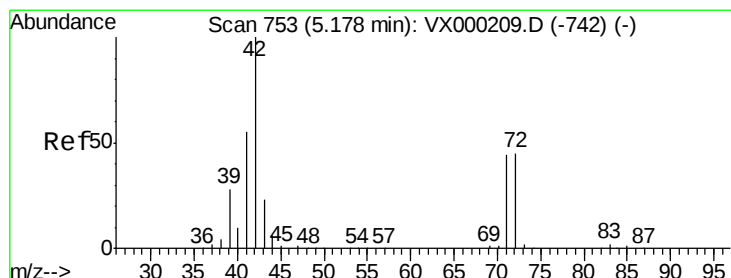
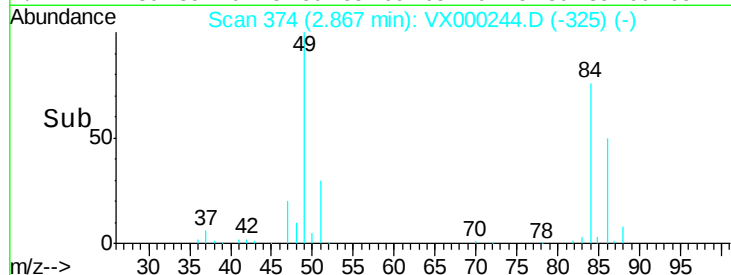
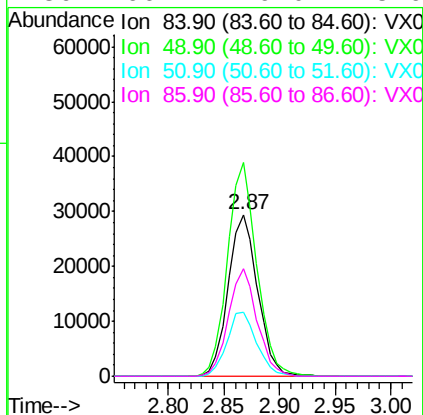
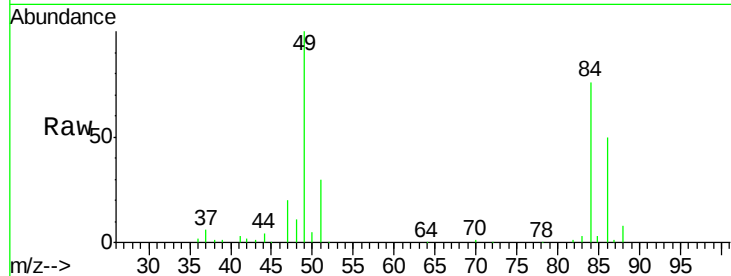




#20
Methvlene Chloride
Concen: 49.16 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000244.D
Acq: 09 Mar 2018 01:40

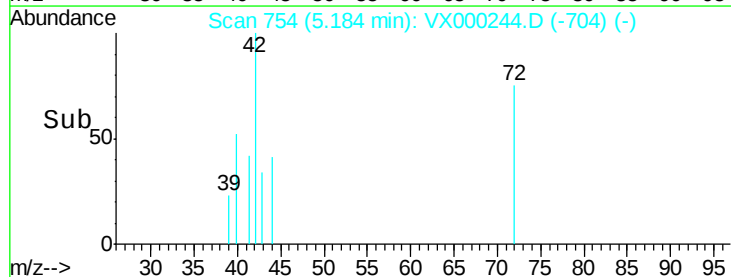
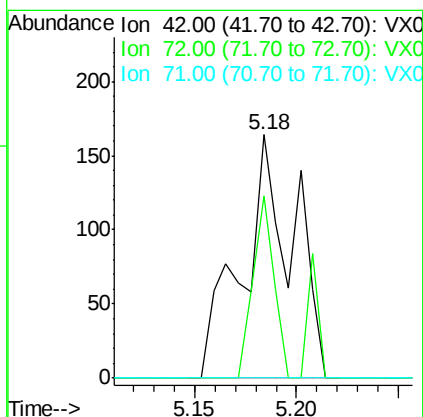
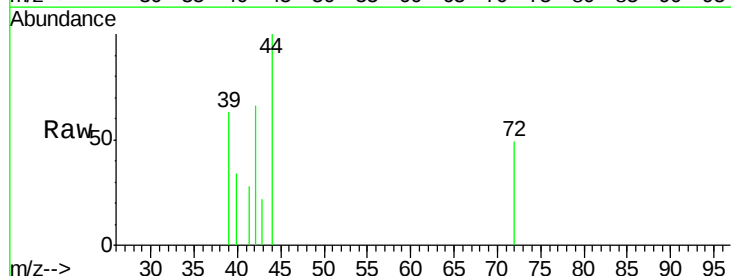
Instrument :
MSVOA_X
ClientSampleId :
BU-01-030618

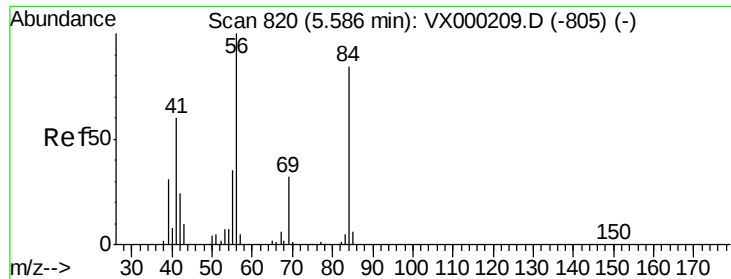
Tot Ion: 84 Resp: 54047
Ion Ratio Lower Upper
84 100
49 131.9 102.1 153.1
51 39.8 30.6 45.8
86 66.1 49.0 73.6



#29
Tetrahydrofuran
Concen: 0.40 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000244.D
Acq: 09 Mar 2018 01:40

Tgt Ion: 42 Resp: 288
Ion Ratio Lower Upper
42 100
72 30.9 37.3 55.9#
71 0.0 35.0 52.4#

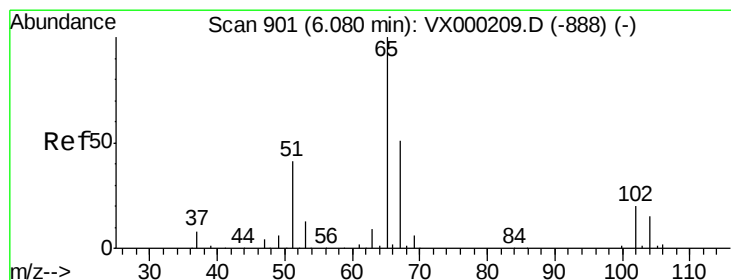
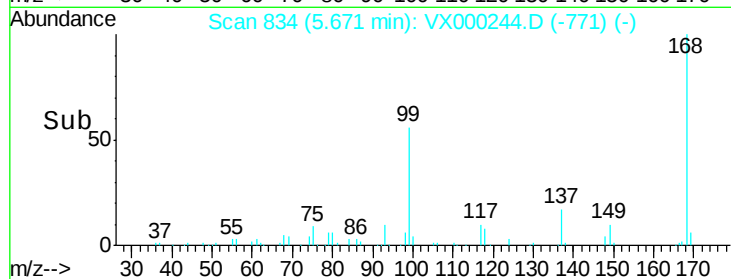
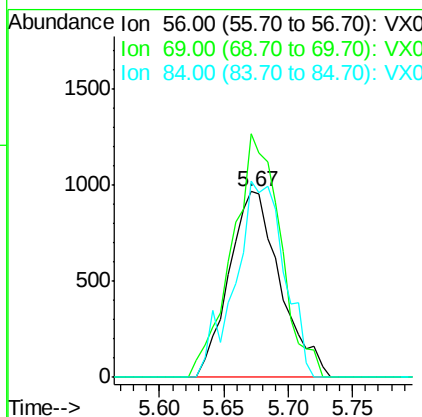
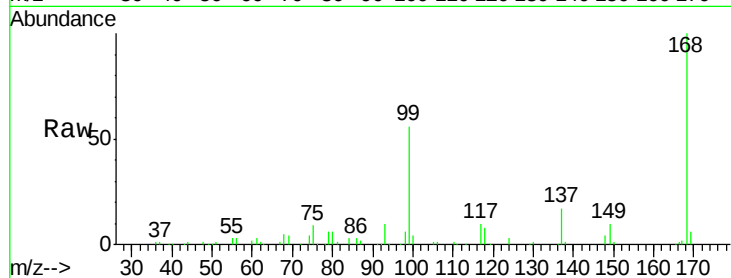




#31
Cyclohexane
Concen: 1.90 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000244.D
Acq: 09 Mar 2018 01:40

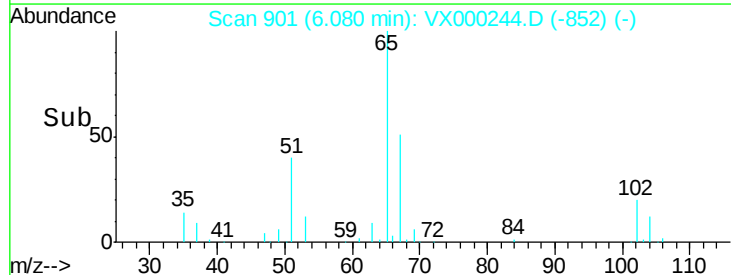
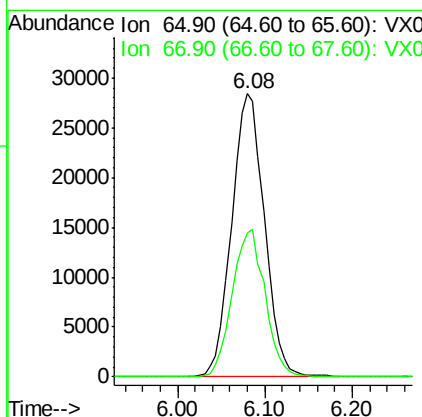
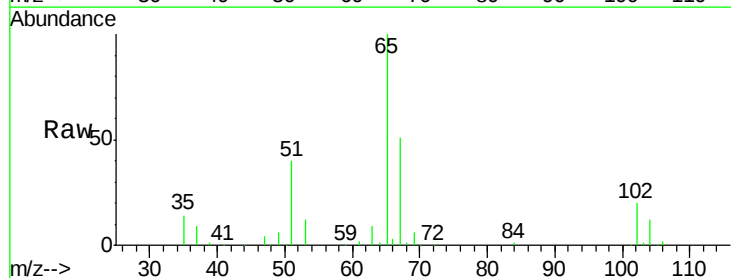
Instrument :
MSVOA_X
ClientSampleId :
BU-01-030618

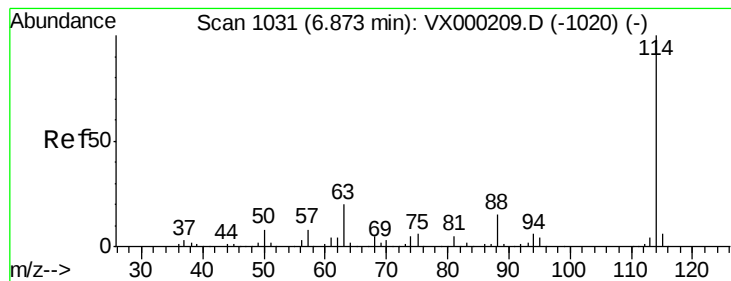
Tot Ion: 56 Resp: 2669
Ion Ratio Lower Upper
56 100
69 131.1 25.3 37.9#
84 105.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.58 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VX000244.D
Acq: 09 Mar 2018 01:40

Tgt Ion: 65 Resp: 73911
Ion Ratio Lower Upper
65 100
67 52.2 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: VX000244.D

Acq: 09 Mar 2018 01:40

Instrument :

MSVOA_X

ClientSampleId :

BU-01-030618

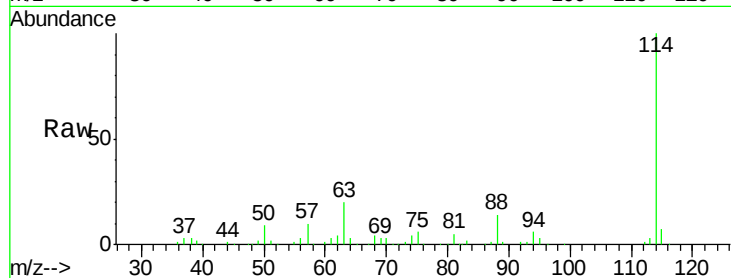
Tot Ion:114 Resp: 167183

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.2

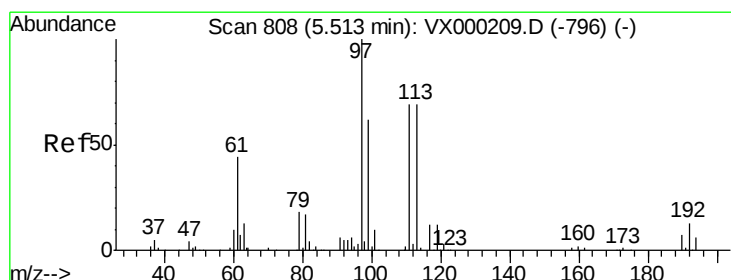
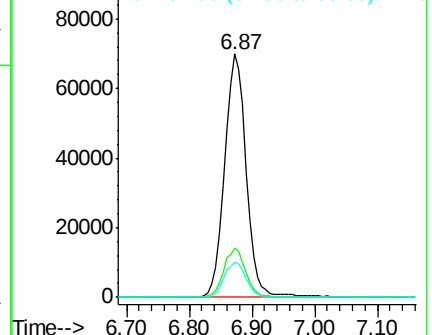
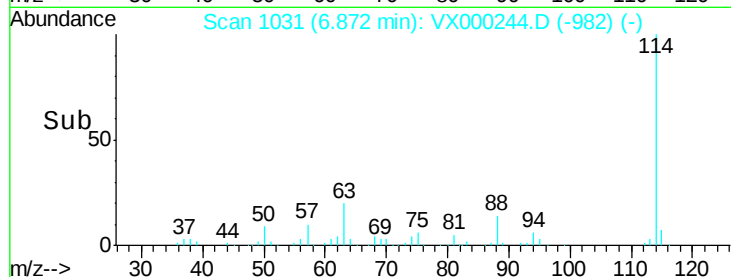
88 14.2 0.0 29.8



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: 53.49 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000244.D

Acq: 09 Mar 2018 01:40

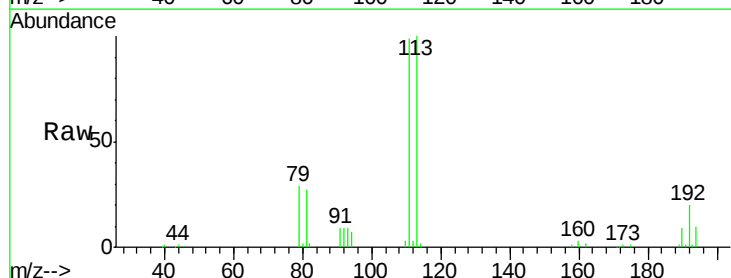
Tgt Ion:113 Resp: 56171

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.6

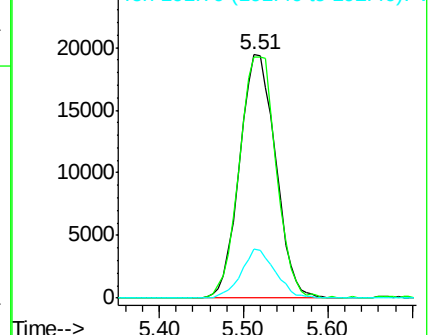
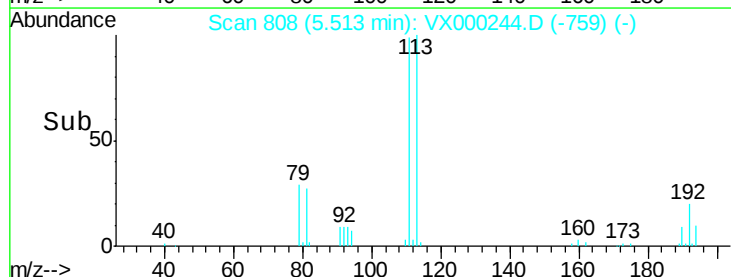
192 18.9 15.5 23.3

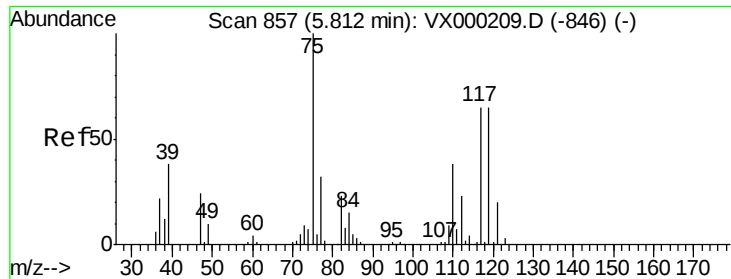


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.18 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000244.D

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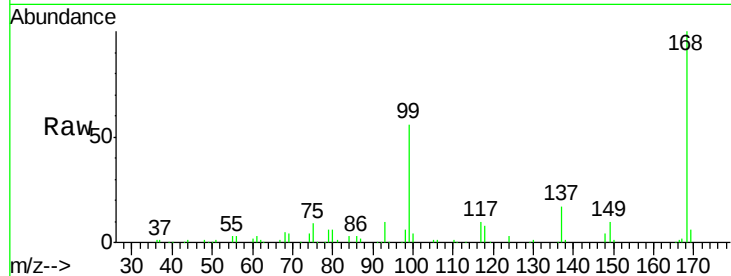
Tot Ion: 75 Resp: 7700

Ion Ratio Lower Upper

75 100

110 10.5 17.8 53.5#

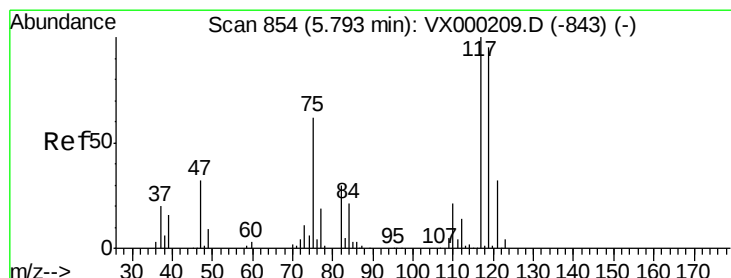
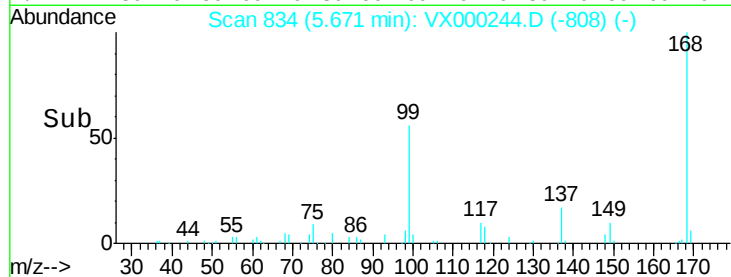
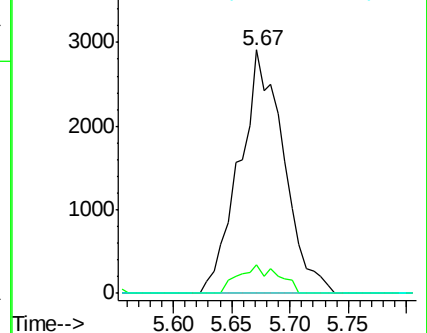
77 0.0 24.9 37.3#



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: 6.20 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000244.D

Acq: 09 Mar 2018 01:40

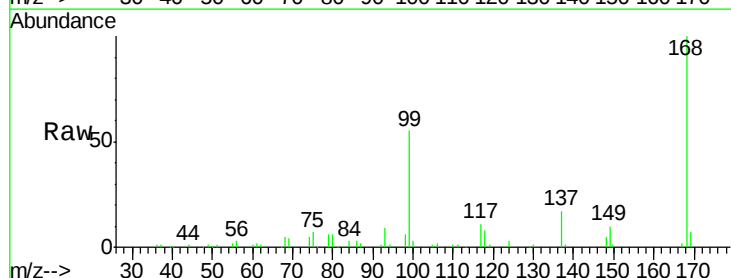
Tgt Ion: 117 Resp: 9332

Ion Ratio Lower Upper

117 100

119 5.7 75.9 113.9#

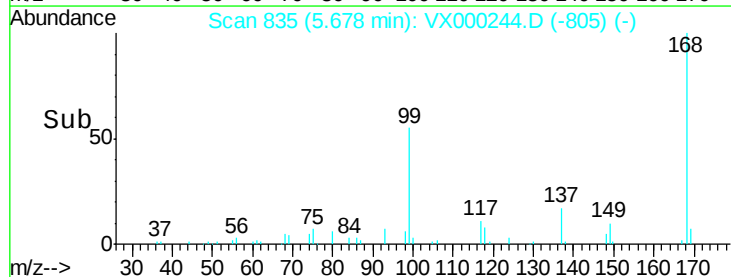
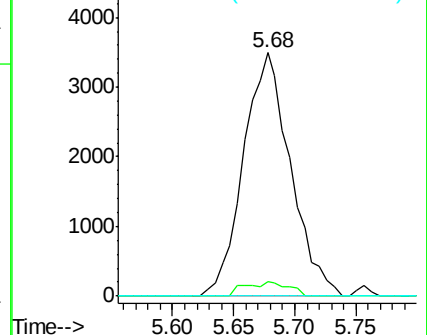
121 0.0 25.8 38.6#

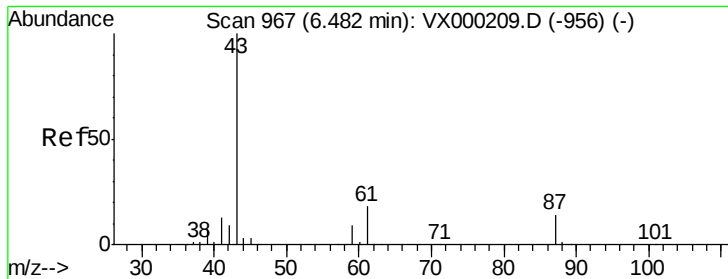


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.34 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000244.D

Acq: 09 Mar 2018 01:40

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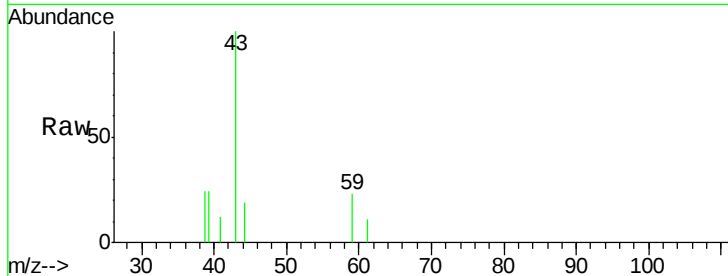
Tot Ion: 43 Resp: 1054

Ion Ratio Lower Upper

43 100

61 12.9 14.8 22.2#

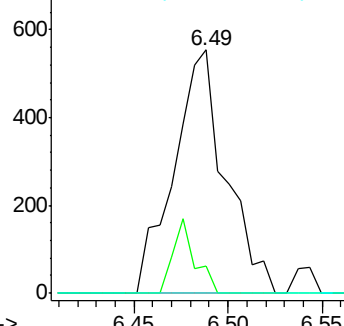
87 0.0 10.6 16.0#



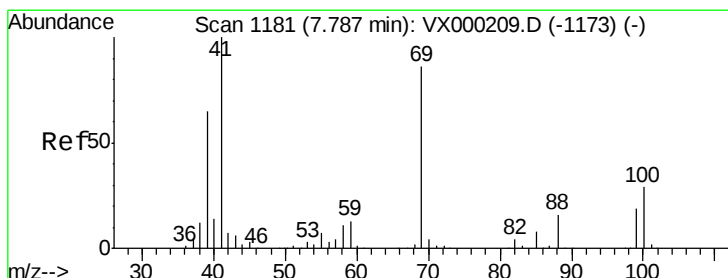
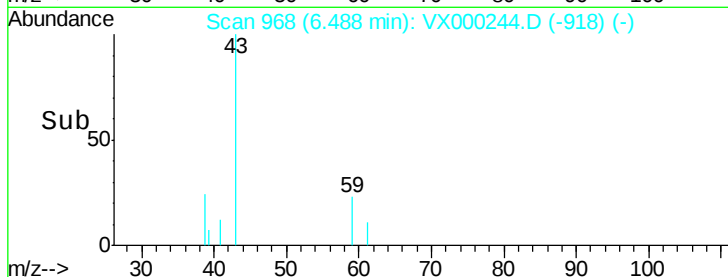
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#48

Methyl methacrylate

Concen: 0.60 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.12 min

Lab File: VX000244.D

Acq: 09 Mar 2018 01:40

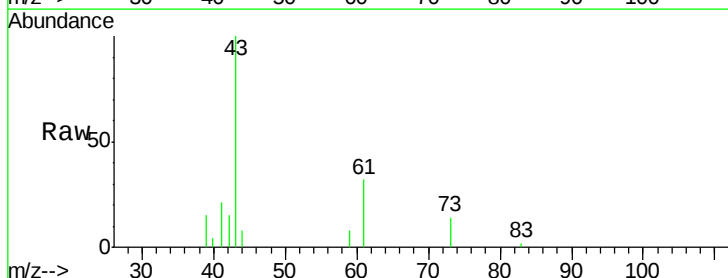
Tgt Ion: 41 Resp: 918

Ion Ratio Lower Upper

41 100

69 0.0 70.0 105.0#

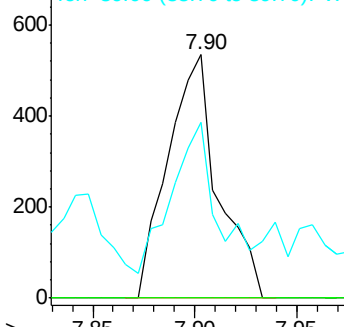
39 55.2 53.6 80.4



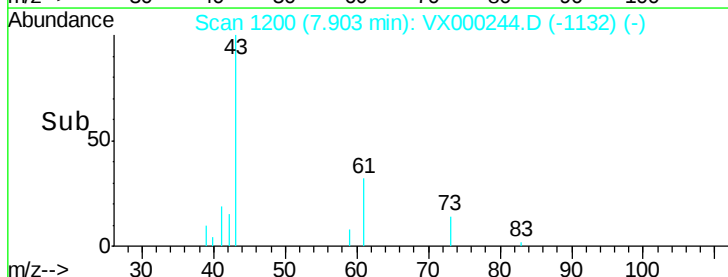
Abundance Ion 41.00 (40.70 to 41.70): VX0

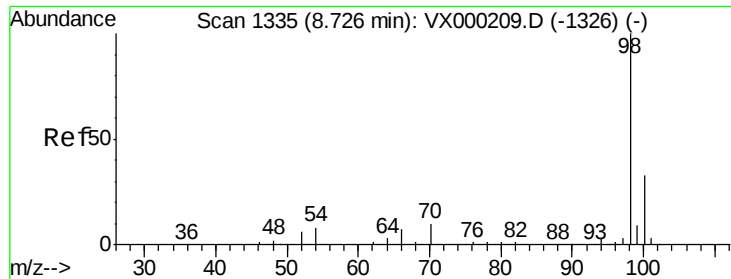
Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

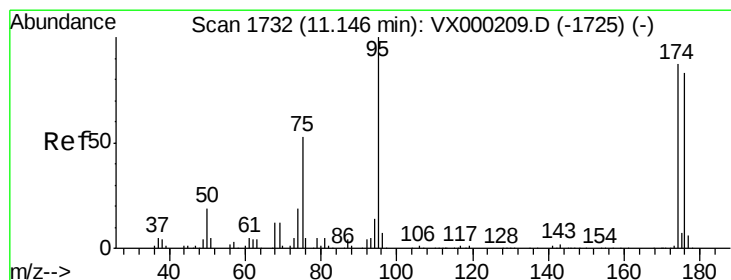
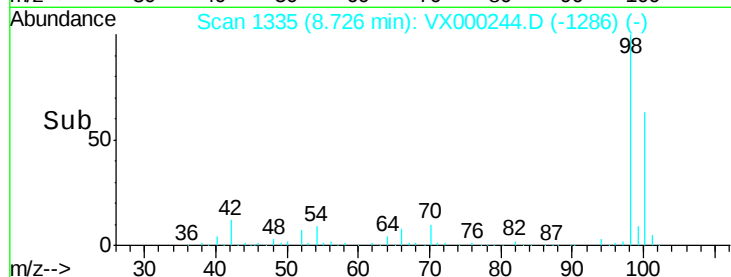
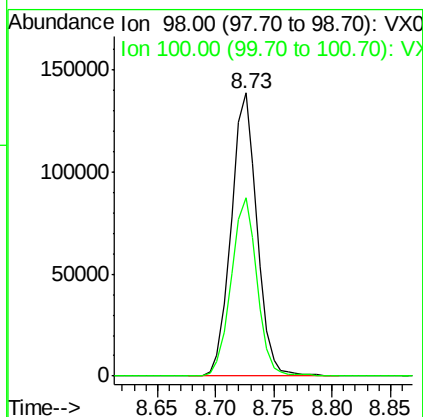
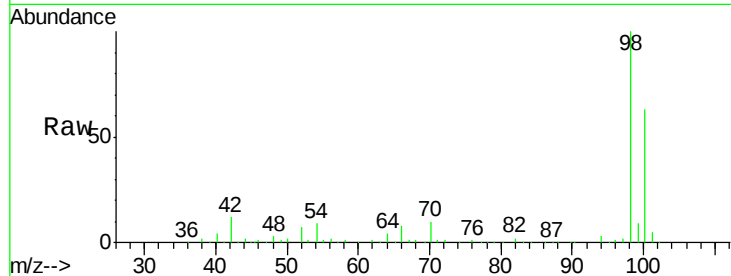




#50
Toluene-d8
Concen: 49.46 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000244.D
Acq: 09 Mar 2018 01:40

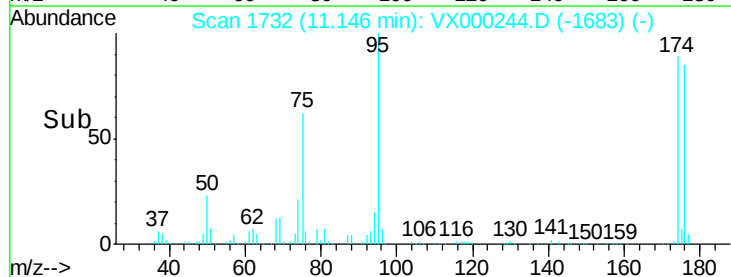
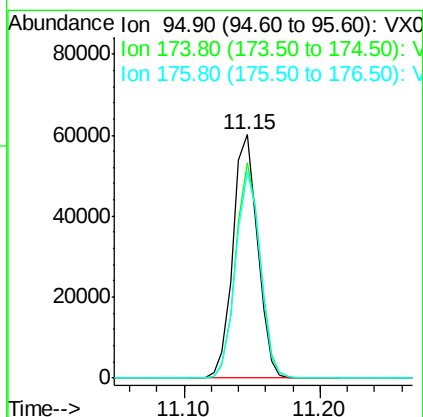
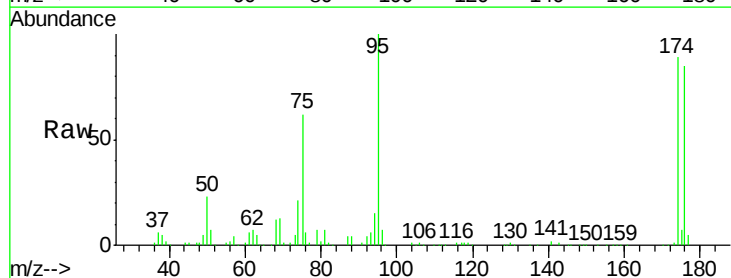
Instrument :
MSVOA_X
ClientSampleId :
BU-01-030618

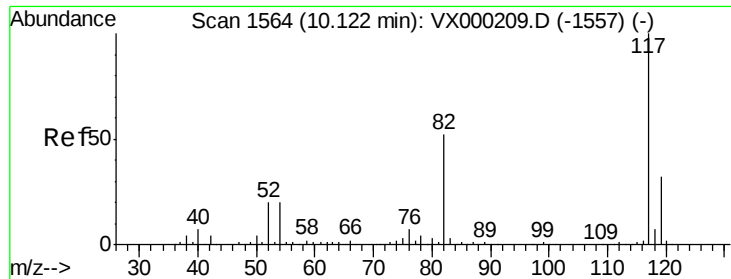
Tot Ion: 98 Resp: 215145
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 44.82 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000244.D
Acq: 09 Mar 2018 01:40

Tgt Ion: 95 Resp: 76093
Ion Ratio Lower Upper
95 100
174 87.4 0.0 175.6
176 84.8 0.0 171.0

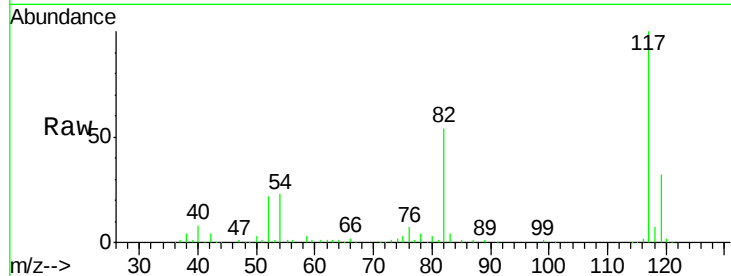




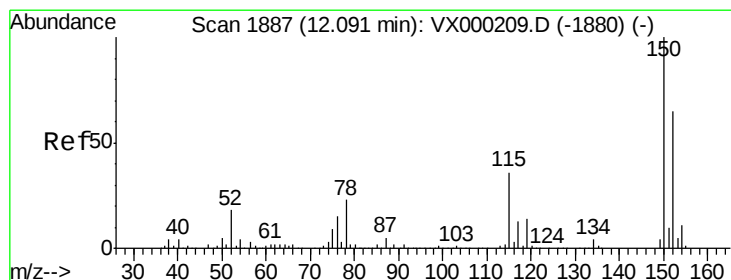
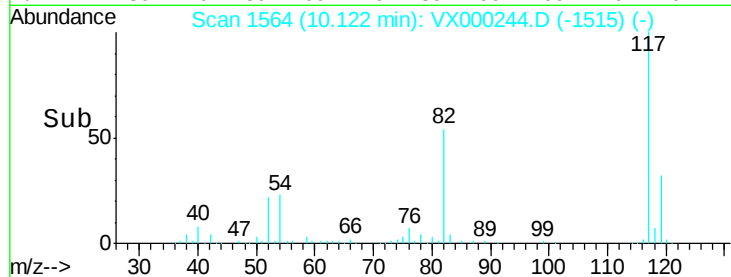
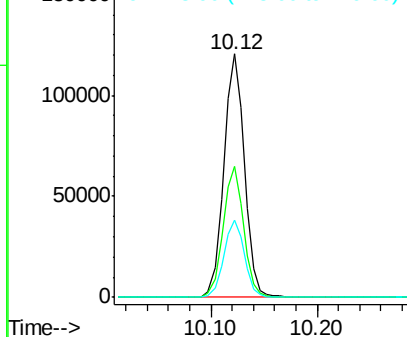
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000244.D
Acq: 09 Mar 2018 01:40

Instrument :
MSVOA_X
ClientSampleId :
BU-01-030618

Tot Ion:117 Resp: 163207
Ion Ratio Lower Upper
117 100
82 53.9 42.0 63.0
119 31.7 25.3 37.9

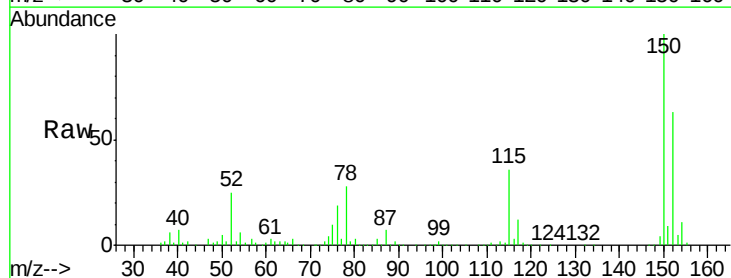


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

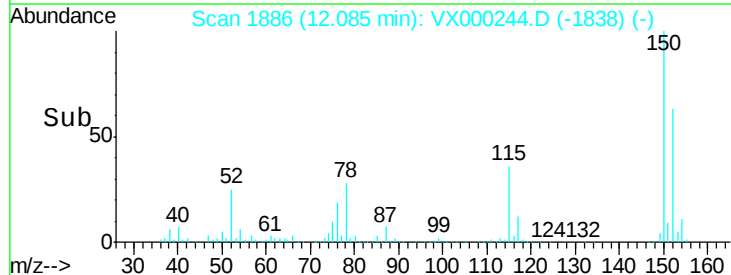
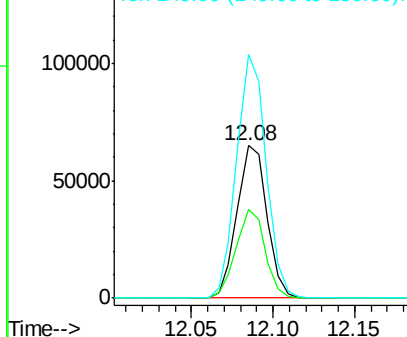


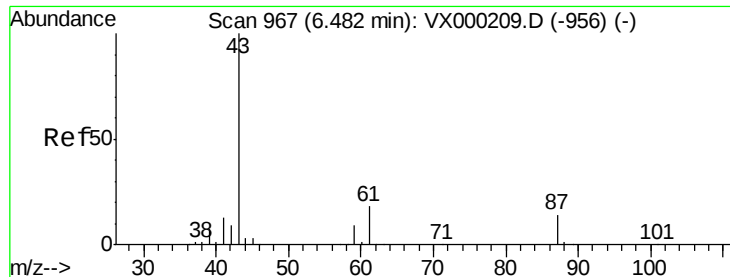
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000244.D
Acq: 09 Mar 2018 01:40

Tgt Ion:152 Resp: 83426
Ion Ratio Lower Upper
152 100
115 56.6 39.8 119.3
150 157.2 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





#74

N-amvl acetate

Concen: 0.39 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000244.D

Acq: 09 Mar 2018 01:40

Instrument :

MSVOA_X

ClientSampled :

BU-01-030618

Tot Ion: 43 Resp: 1054

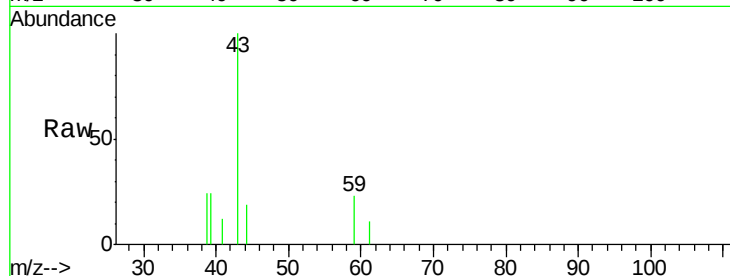
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 12.9 14.8 22.2#

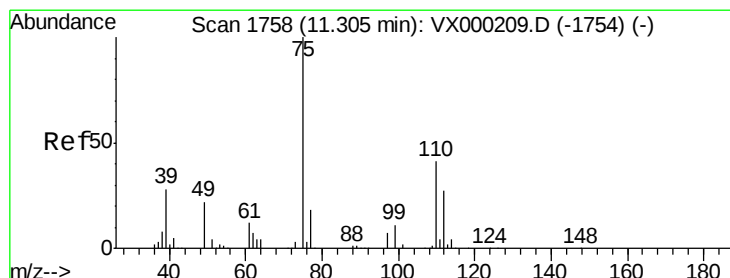
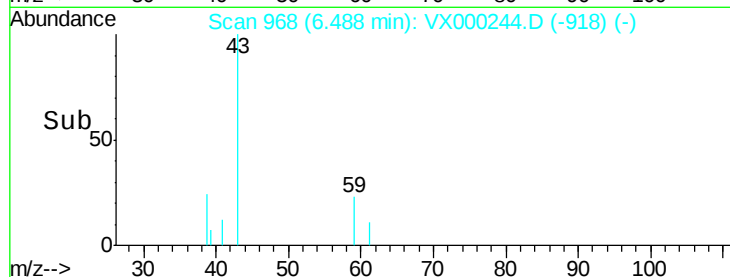
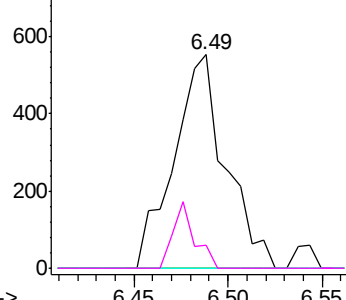


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 26.35 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000244.D

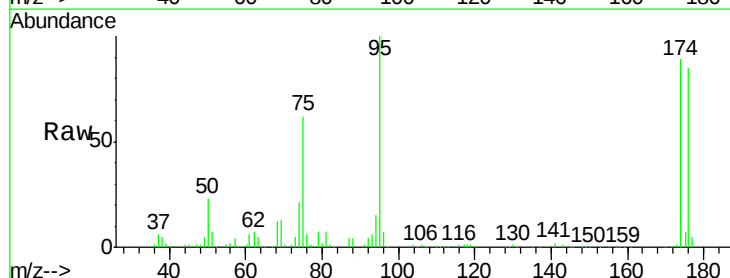
Acq: 09 Mar 2018 01:40

Tgt Ion: 75 Resp: 44060

Ion Ratio Lower Upper

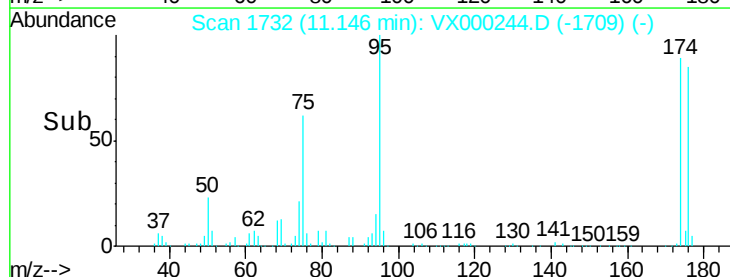
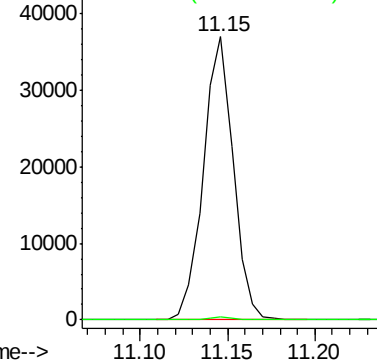
75 100

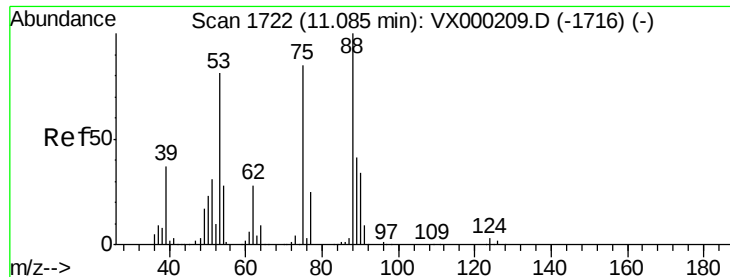
77 1.1 22.3 66.8#



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: 80.68 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000244.D

Acq: 09 Mar 2018 01:40

Instrument :

MSVOA_X

ClientSampleId :

BU-01-030618

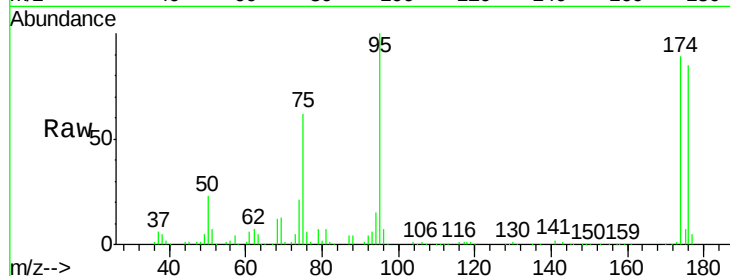
Tot Ion: 75 Resp: 44060

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

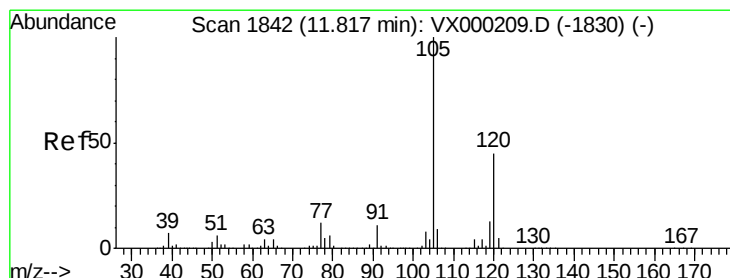
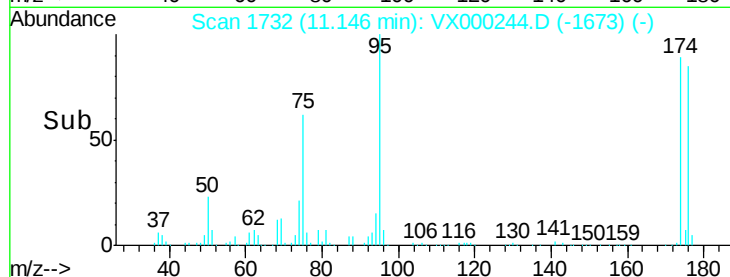
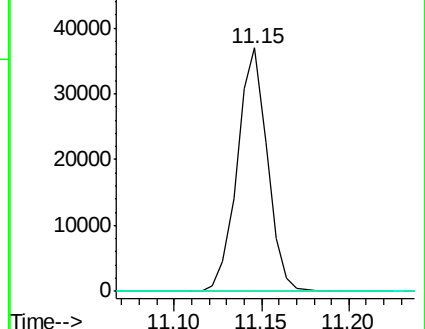
89 0.0 38.8 58.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.35 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX000244.D

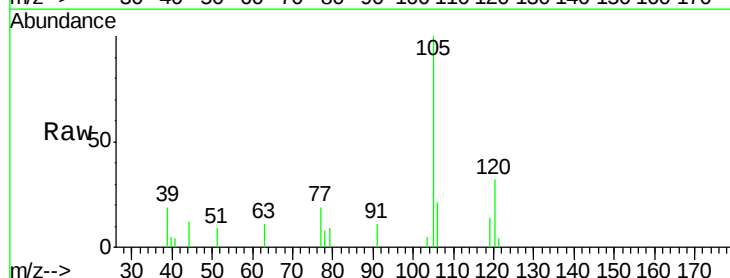
Acq: 09 Mar 2018 01:40

Tgt Ion: 105 Resp: 1551

Ion Ratio Lower Upper

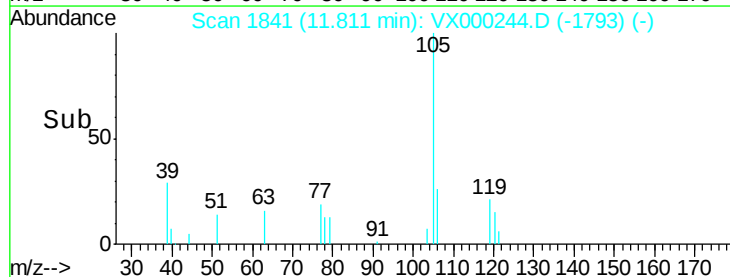
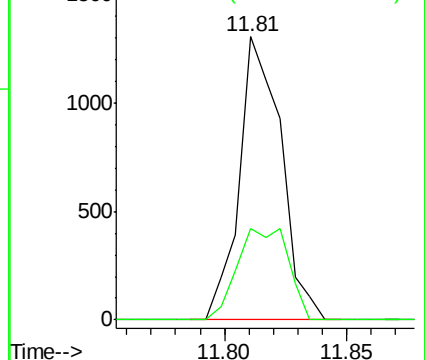
105 100

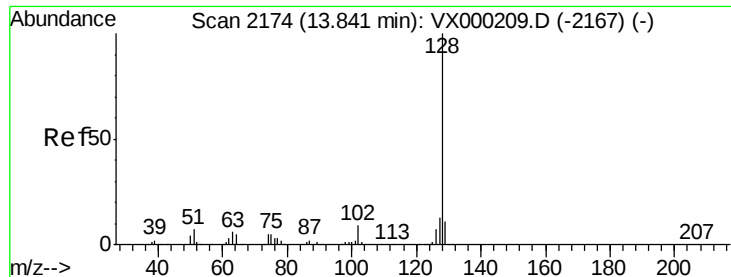
120 39.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

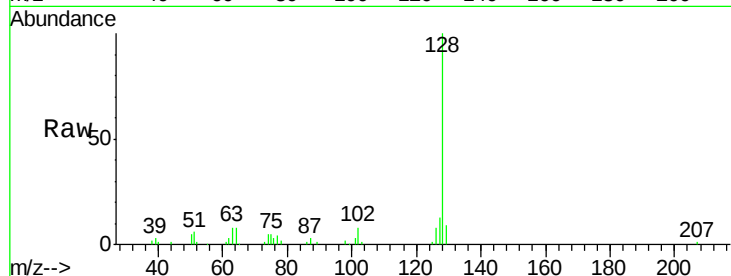




#95
Naphthalene
Concen: 2.47 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000244.D
Acq: 09 Mar 2018 01:40

Instrument :
MSVOA_X
ClientSampleId :
BU-01-030618

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.2	8.6	13.0



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

