

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010919\
 Data File : VX006975.D
 Acq On : 09 Jan 2019 19:40
 Operator : JC/MD
 Sample : K1006-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JC-03-010819-I

Quant Time: Jan 10 00:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	641106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	984285	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	925758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	449920	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	337725	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	5.51	113	300238	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
50) Toluene-d8	8.71	98	1189557	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.13	95	415509	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	

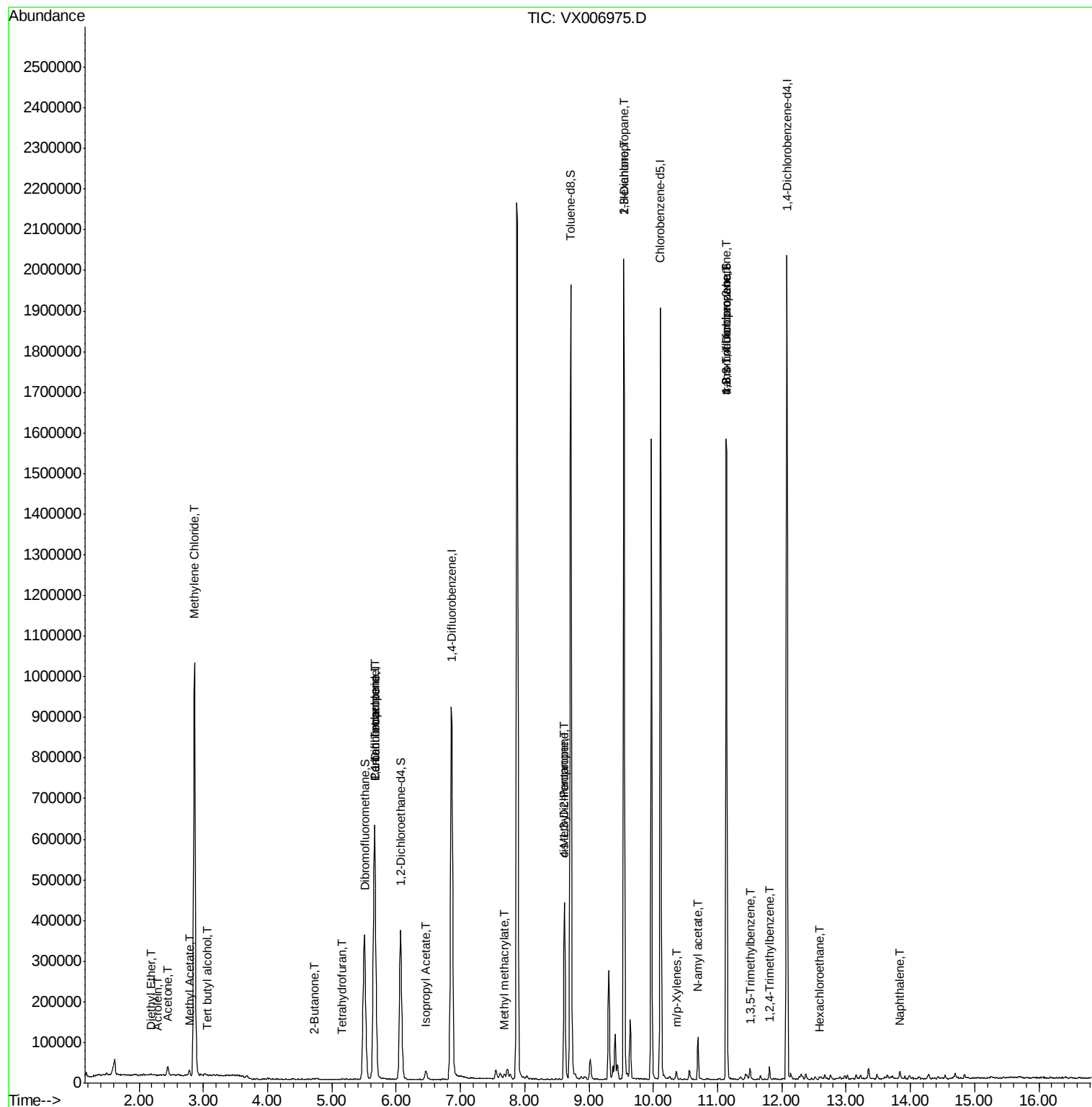
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	1694	0.400	ug/l	99
11) Tert butyl alcohol	3.06	59	849	0.537	ug/l #	1
13) Acrolein	2.29	56	144	3.293	ug/l #	1
16) Acetone	2.45	43	25608	7.731	ug/l	97
18) Methyl Acetate	2.78	43	15175	1.582	ug/l	93
20) Methylene Chloride	2.86	84	471589	75.139	ug/l	95
25) 2-Butanone	4.71	43	3185	0.672	ug/l #	85
29) Tetrahydrofuran	5.16	42	954	0.310	ug/l #	78
36) 1,1-Dichloropropene	5.66	75	42600	4.978	ug/l #	48
38) Carbon Tetrachloride	5.66	117	57803	6.714	ug/l #	15
43) Isopropyl Acetate	6.46	43	27741	1.917	ug/l	99
48) Methyl methacrylate	7.68	41	13940	1.876	ug/l #	13
49) 1,4-Dioxane	7.72	88	106	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	141977	15.266	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	70564	7.338	ug/l #	63
57) 1,3-Dichloropropane	9.54	76	17686	1.607	ug/l #	44
59) 2-Hexanone	9.54	43	220046	31.048	ug/l #	51
68) m/p-Xylenes	10.36	106	4619	0.352	ug/l	93
74) N-amyl acetate	10.69	43	20919	1.638	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	197066	21.614	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	11511	0.434	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	197066	64.076	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	14292	0.536	ug/l	97
90) Hexachloroethane	12.59	117	412	2.994	ug/l #	6
95) Naphthalene	13.83	128	11916	0.368	ug/l #	92

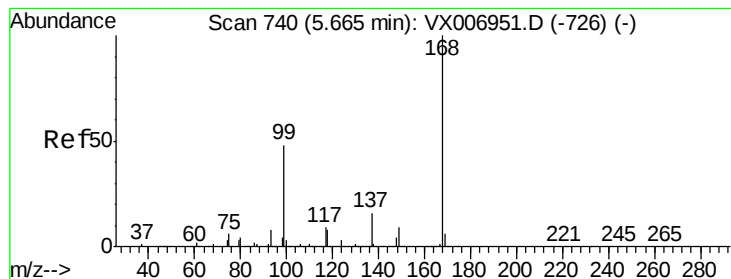
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010919\
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Quant Time: Jan 10 00:59:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

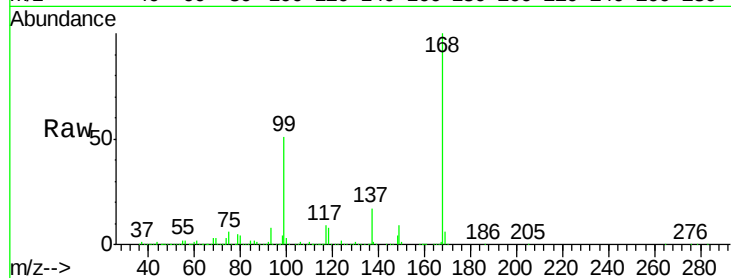
JC-03-010819-I

Tot Ion:168 Resp: 641106

Ion Ratio Lower Upper

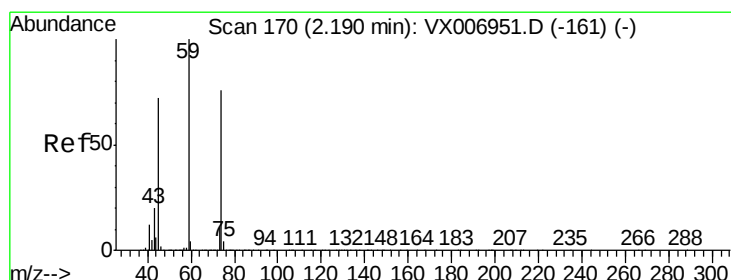
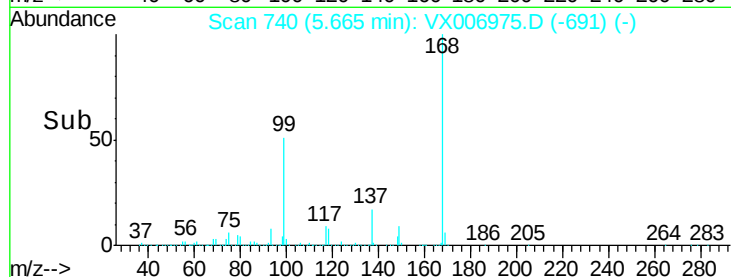
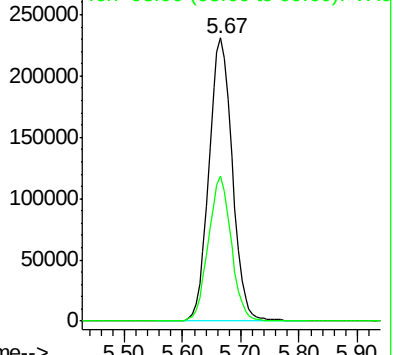
168 100

99 51.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.400 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX006975.D

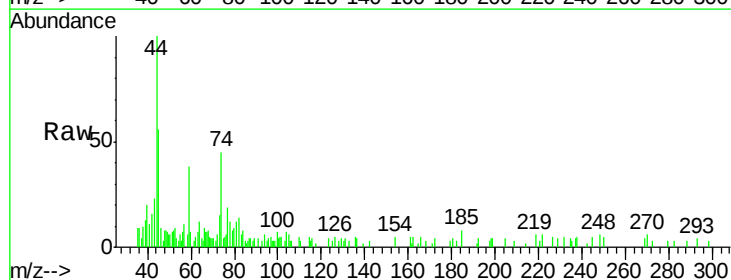
Acq: 09 Jan 2019 19:40

Tgt Ion: 74 Resp: 1694

Ion Ratio Lower Upper

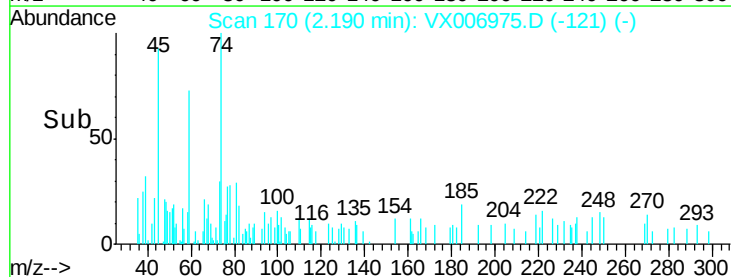
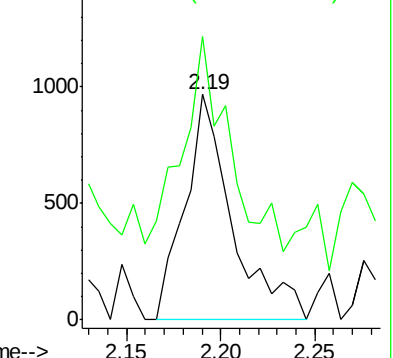
74 100

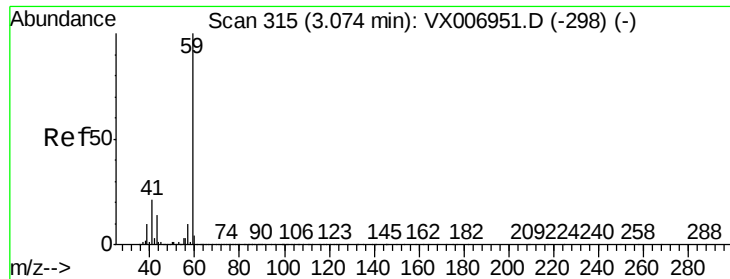
45 92.0 46.3 138.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



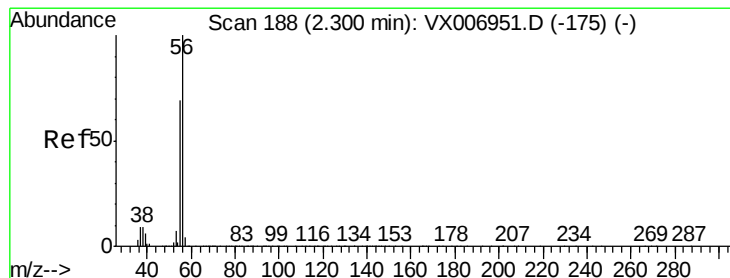
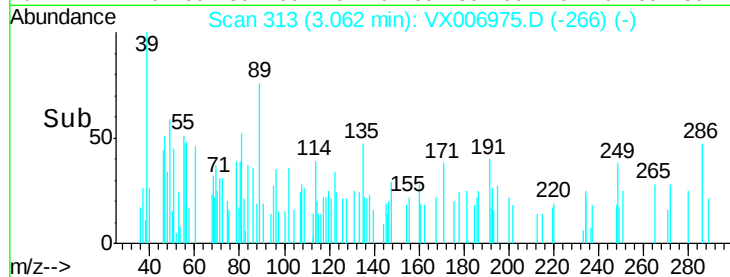
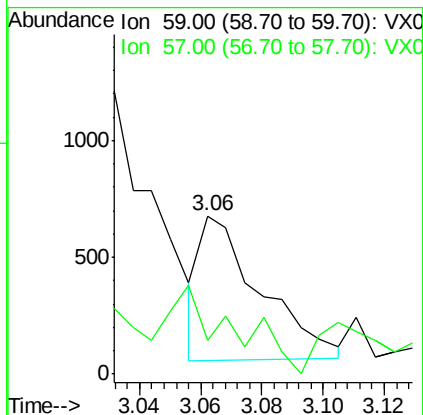
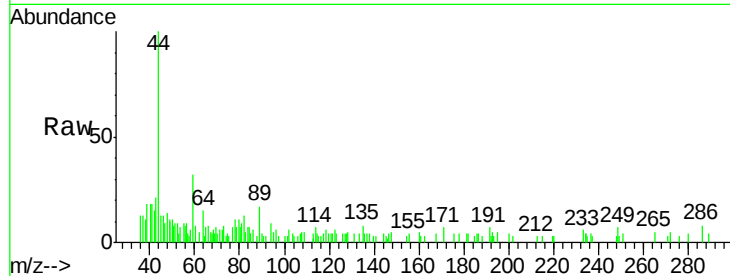


#11

Tert butyl alcohol
Concen: 0.537 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Instrument :
MSVOA_X
ClientSampled :
JC-03-010819-I

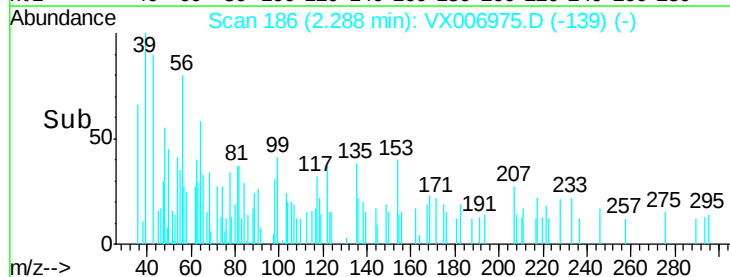
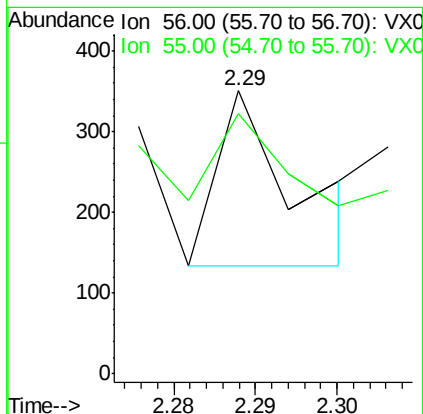
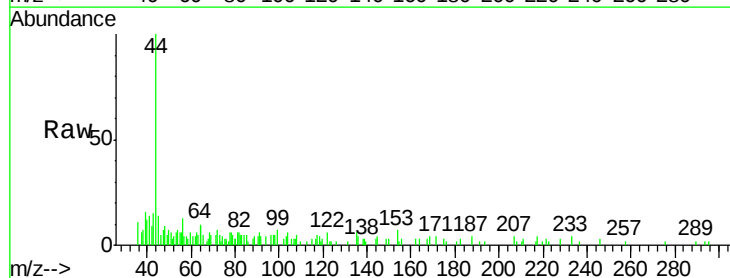
Tot Ion: 59 Resp: 849
Ion Ratio Lower Upper
59 100
57 64.5 8.5 12.7#

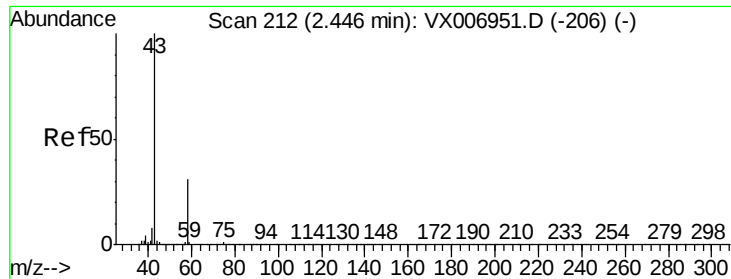


#13

Acrolein
Concen: 3.293 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 590.3 58.2 87.4#

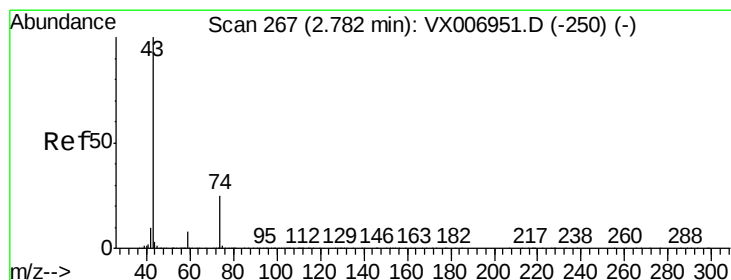
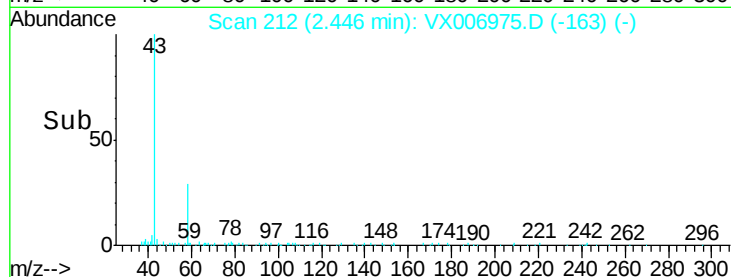
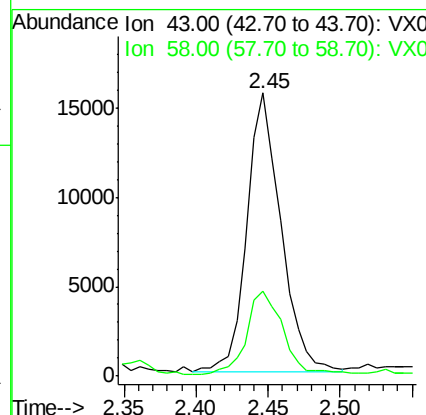
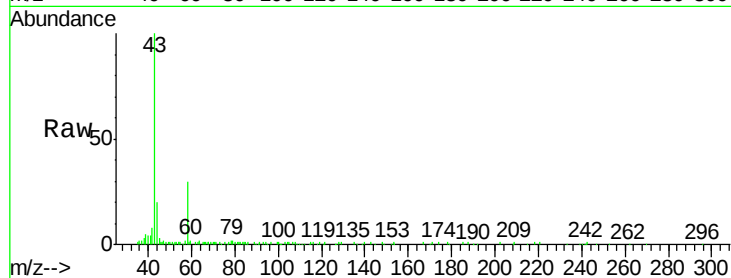




#16
Acetone
Concen: 7.731 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

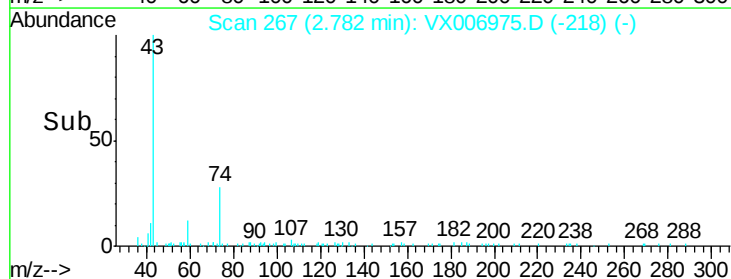
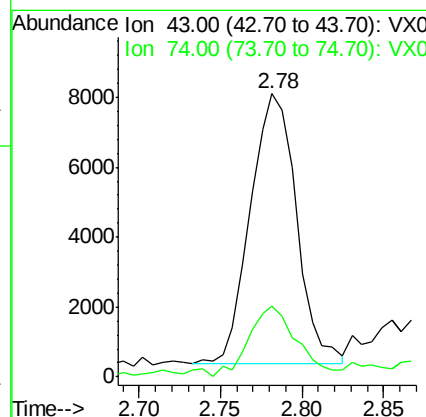
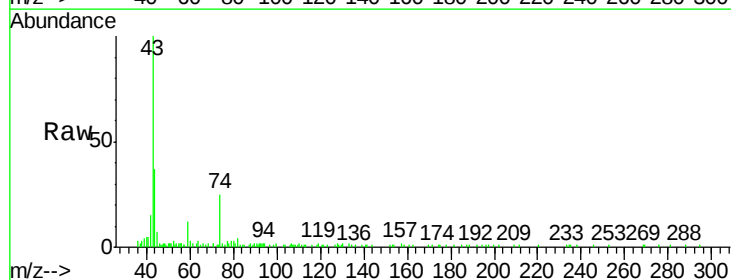
Instrument :
MSVOA_X
ClientSampleId :
JC-03-010819-I

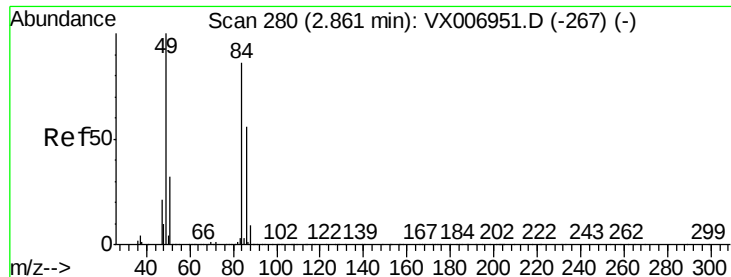
Tot Ion: 43 Resp: 25608
Ion Ratio Lower Upper
43 100
58 29.7 25.0 37.6



#18
Methyl Acetate
Concen: 1.582 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion: 43 Resp: 15175
Ion Ratio Lower Upper
43 100
74 26.9 18.6 28.0

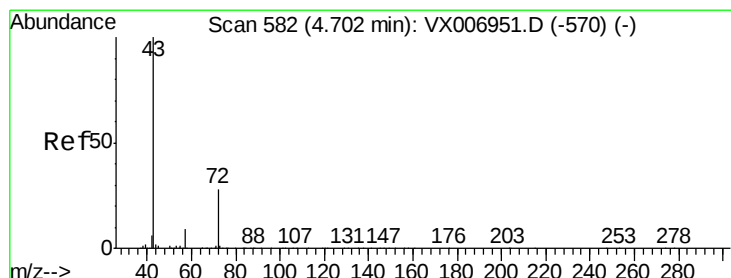
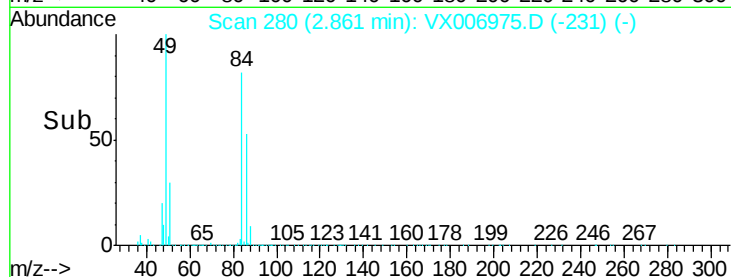
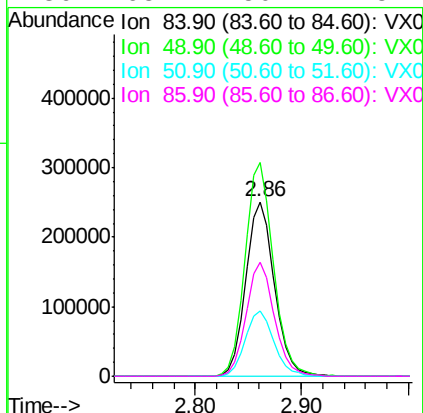
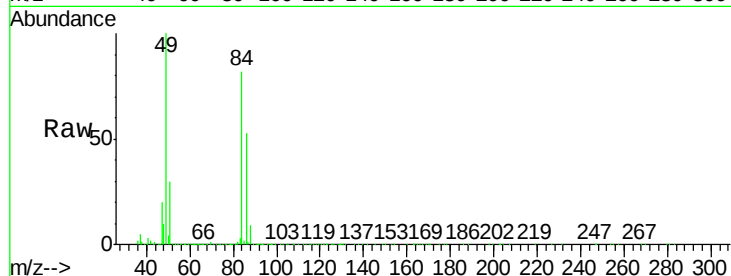




#20
Methvlene Chloride
Concen: 75.139 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

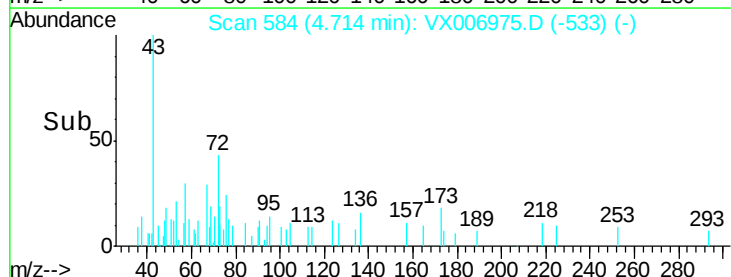
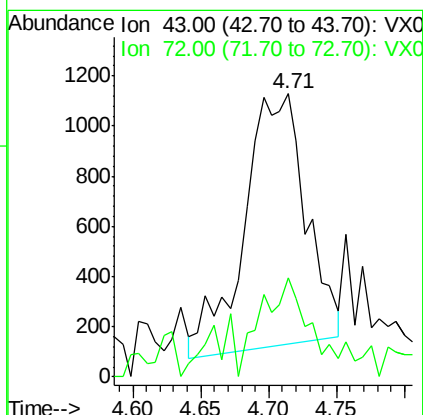
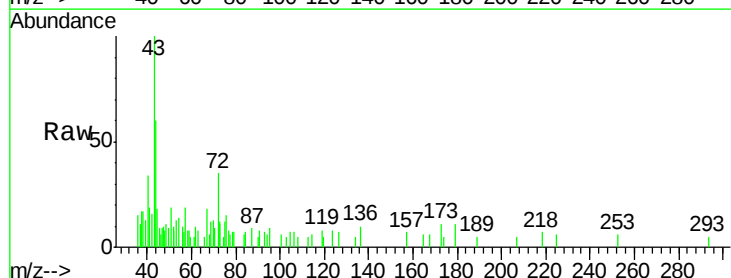
Instrument :
MSVOA_X
ClientSampleId :
JC-03-010819-I

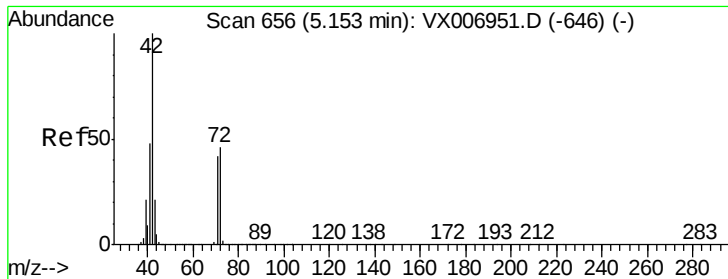
Tot Ion:	84	Resp:	471589
Ion	Ratio	Lower	Upper
84	100		
49	122.4	91.8	137.6
51	37.2	28.5	42.7
86	65.1	50.2	75.2



#25
2-Butanone
Concen: 0.672 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion:	43	Resp:	3185
Ion	Ratio	Lower	Upper
43	100		
72	35.6	22.4	33.6#

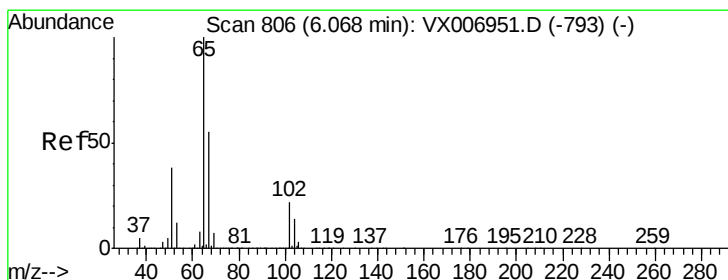
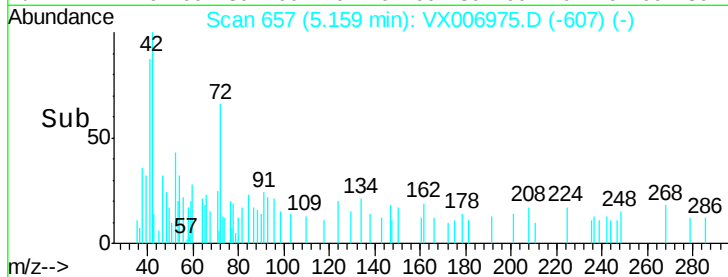
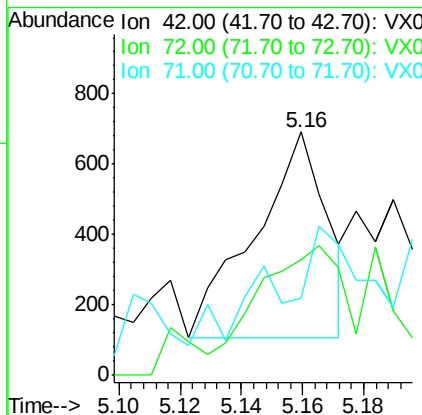
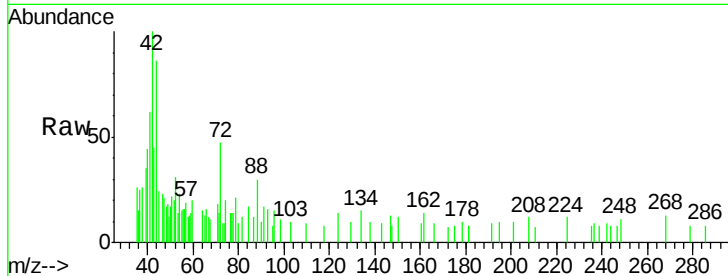




#29
Tetrahydrofuran
Concen: 0.310 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

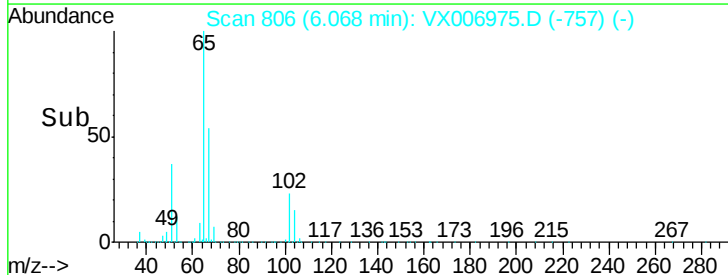
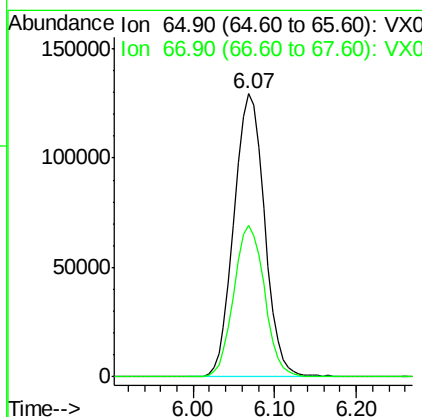
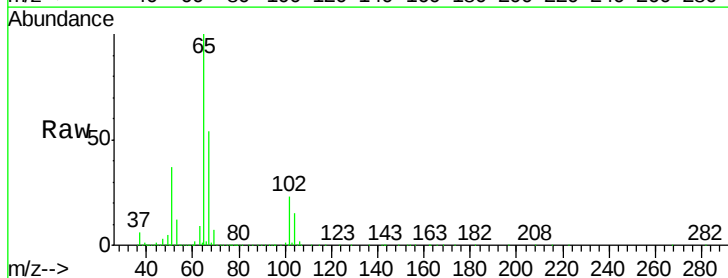
Instrument :
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ClientSampleId :
JC-03-010819-I

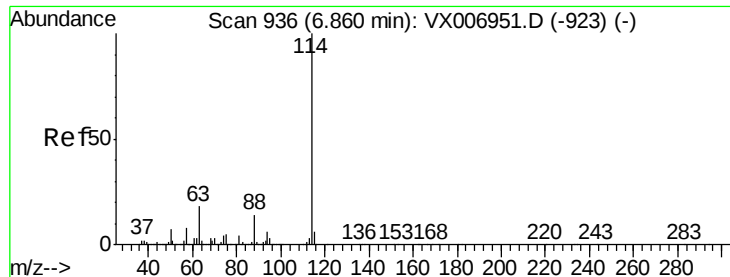
Tot Ion: 42 Resp: 954
Ion Ratio Lower Upper
42 100
72 57.0 38.9 58.3
71 67.1 36.2 54.4#



#33
1,2-Dichloroethane-d4
Concen: 50.406 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion: 65 Resp: 337725
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

JC-03-010819-I

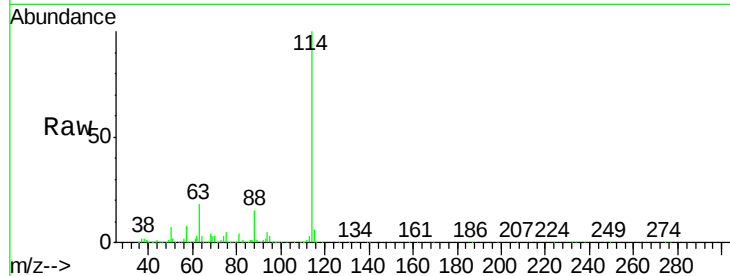
Tot Ion:114 Resp: 984285

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

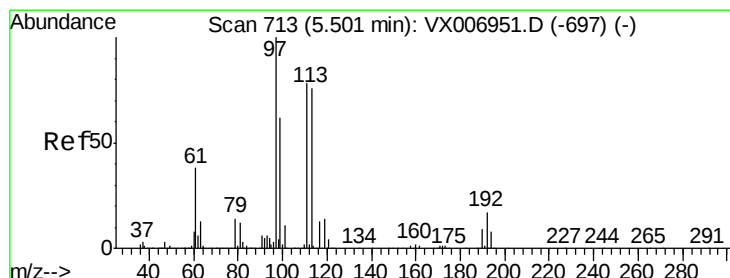
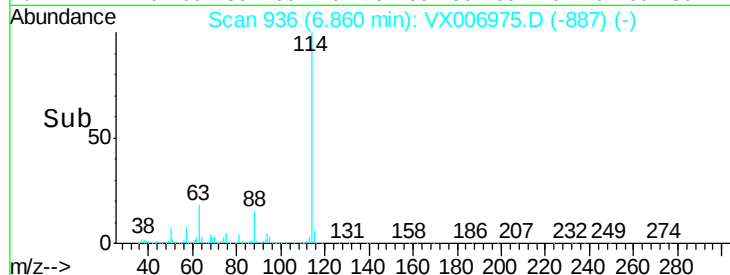
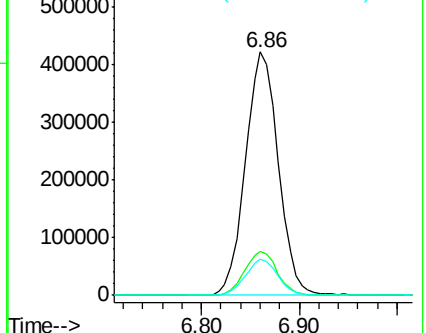
88 15.1 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.632 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

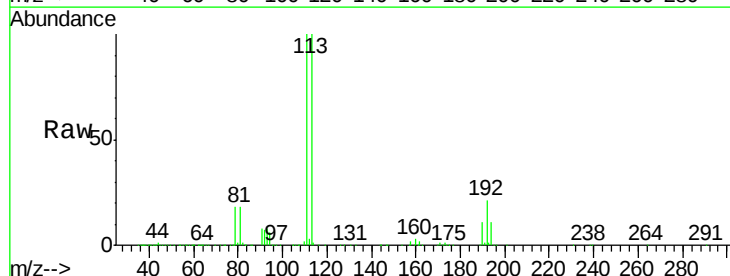
Tgt Ion:113 Resp: 300238

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

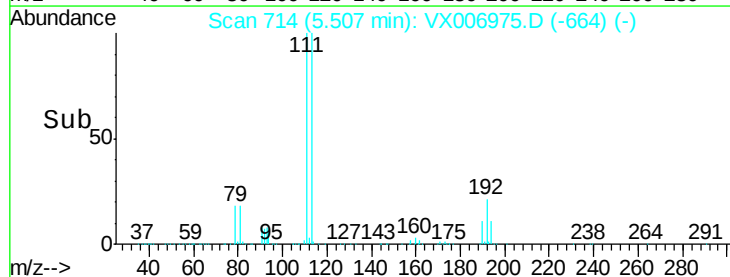
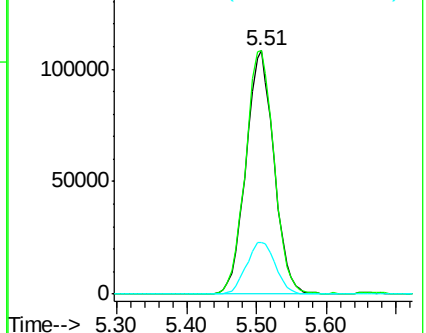
192 22.1 16.7 25.1

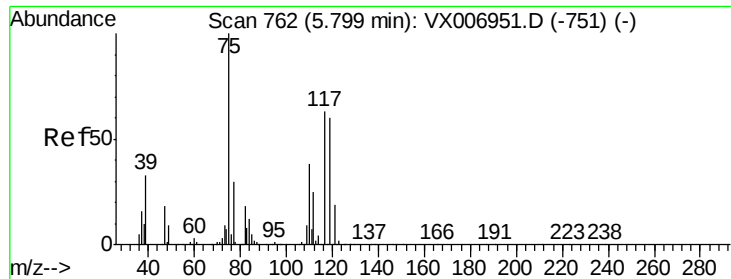


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

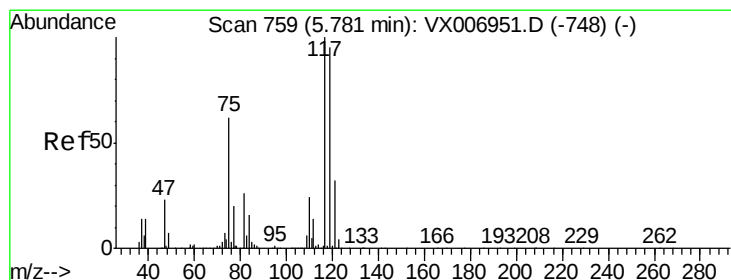
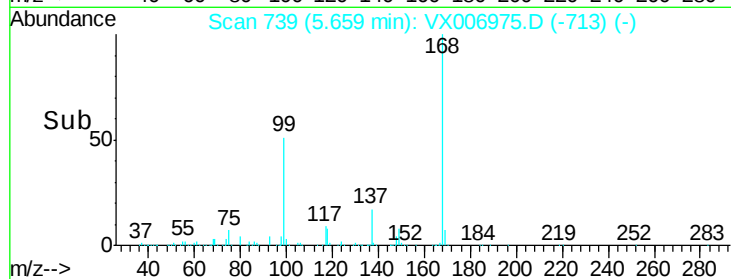
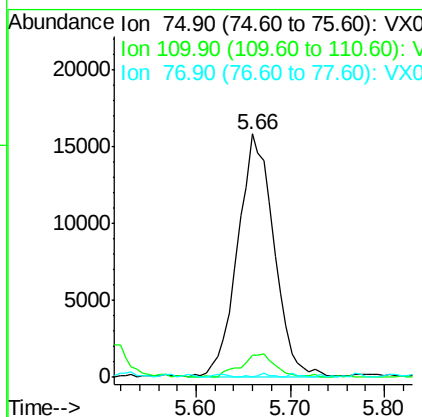
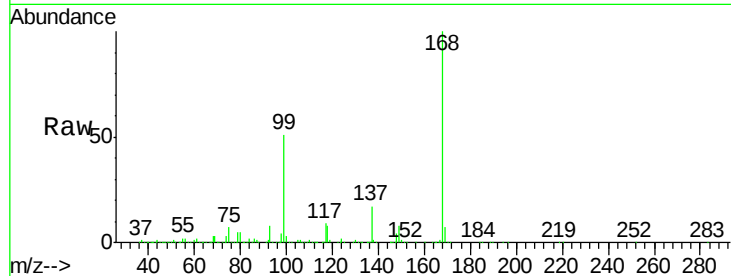




#36
 1,1-Dichloropropene
 Concen: 4.978 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006975.D
 Acq: 09 Jan 2019 19:40

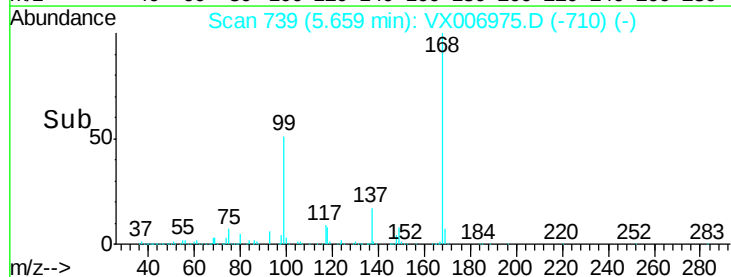
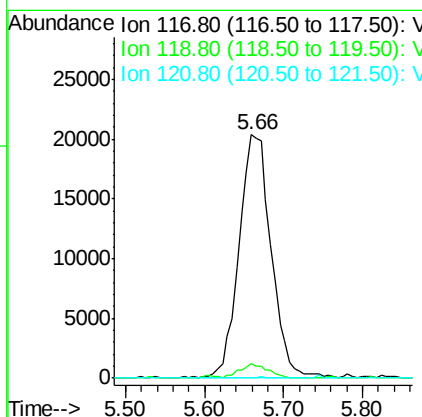
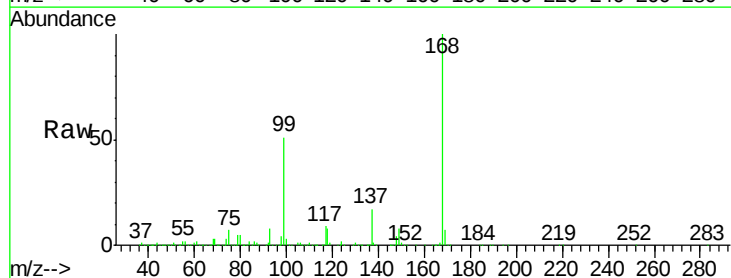
Instrument :
 MSVOA_X
 ClientSampleId :
 JC-03-010819-I

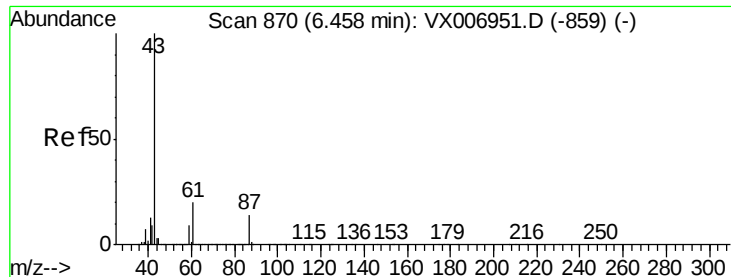
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	20.2	60.5#
77	0.6	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.714 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006975.D
 Acq: 09 Jan 2019 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	79.4	119.2#
121	0.0	24.0	36.0#





#43

Isopropyl Acetate

Concen: 1.917 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

JC-03-010819-I

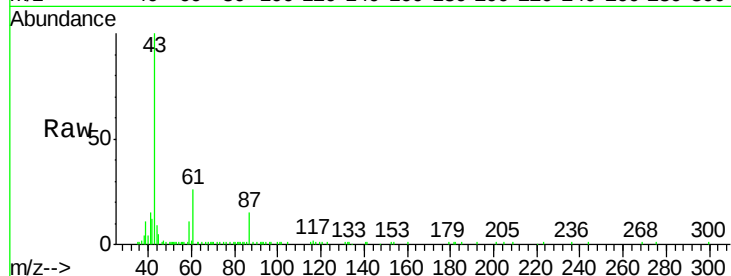
Tot Ion: 43 Resp: 27741

Ion Ratio Lower Upper

43 100

61 21.9 16.8 25.2

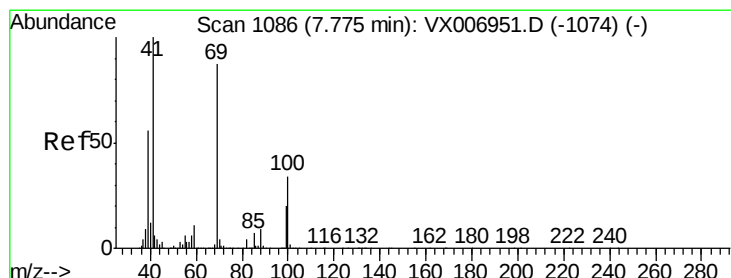
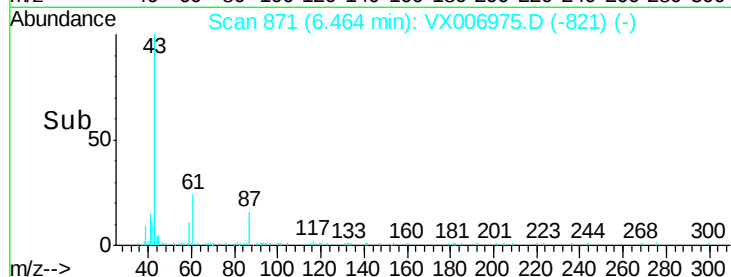
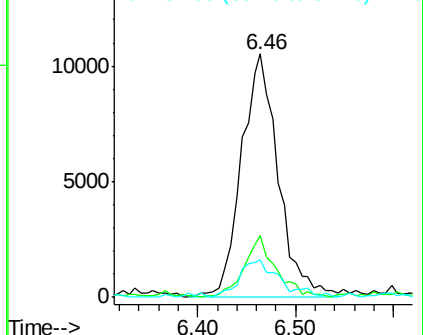
87 15.2 12.4 18.6



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



#48

Methyl methacrylate

Concen: 1.876 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

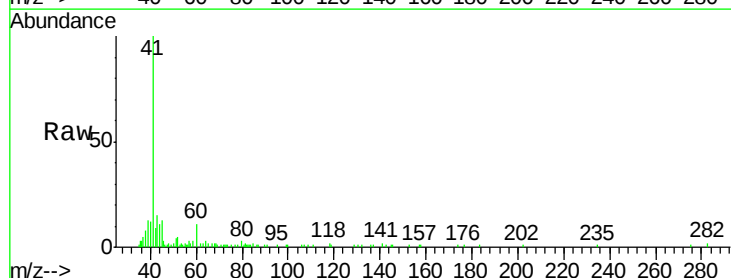
Tgt Ion: 41 Resp: 13940

Ion Ratio Lower Upper

41 100

69 1.9 72.4 108.6#

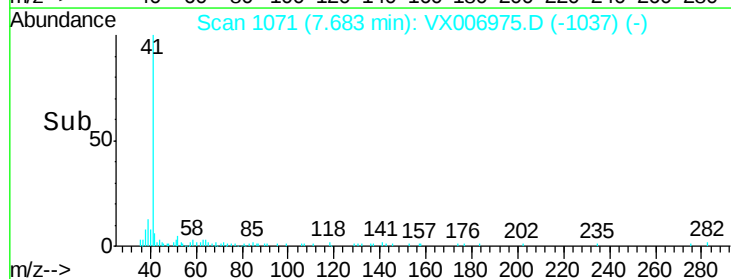
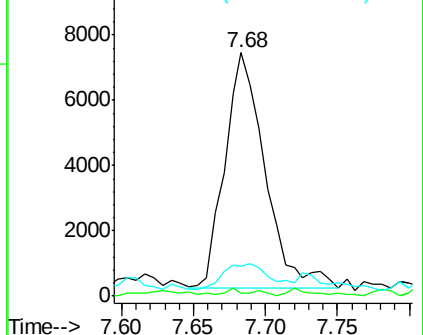
39 0.0 45.8 68.8#

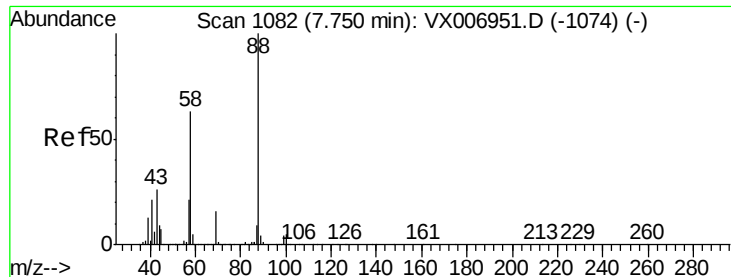


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

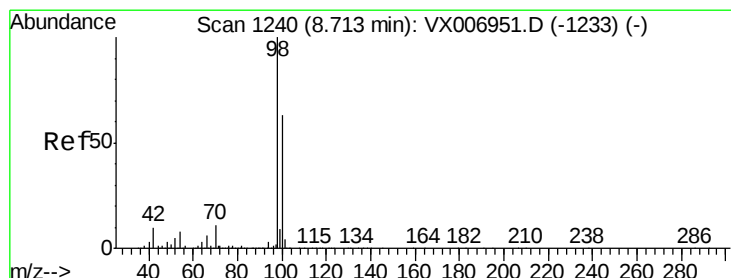
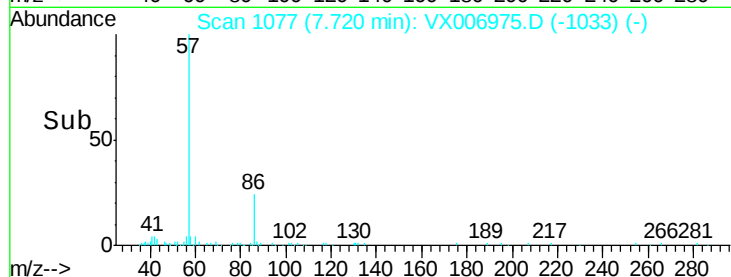
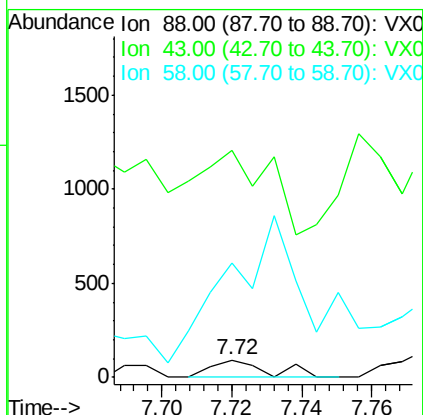
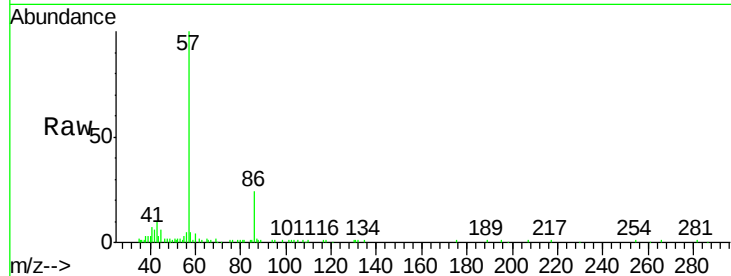




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.72 min Scan# 1077
Delta R.T. -0.03 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

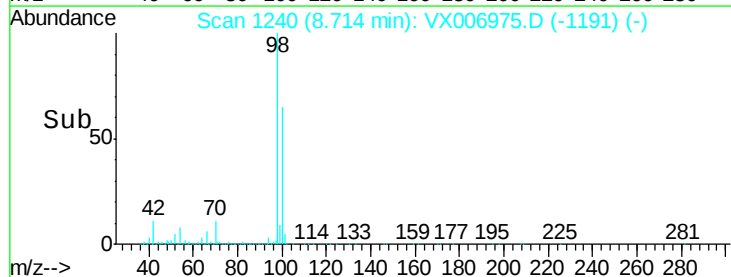
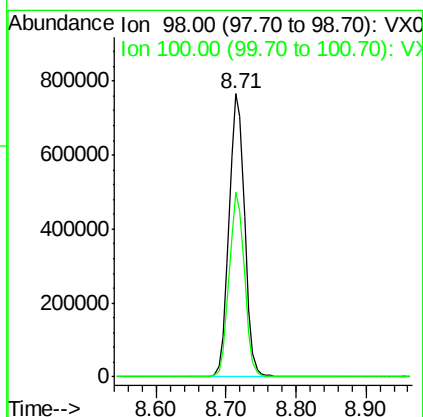
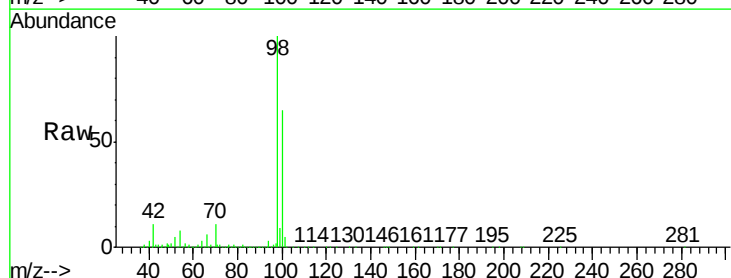
Instrument :
MSVOA_X
ClientSampleId :
JC-03-010819-I

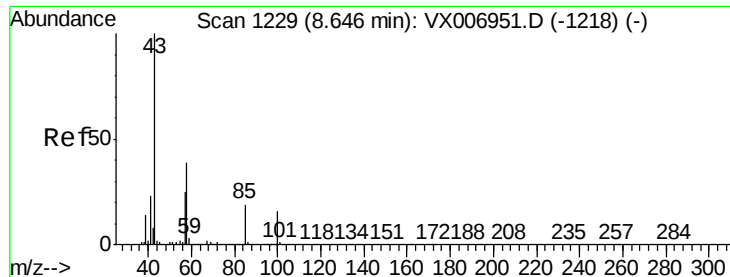
Tot Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 1509.4 51.0 76.4#



#50
Toluene-d8
Concen: 51.558 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion: 98 Resp: 1189557
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 15.266 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

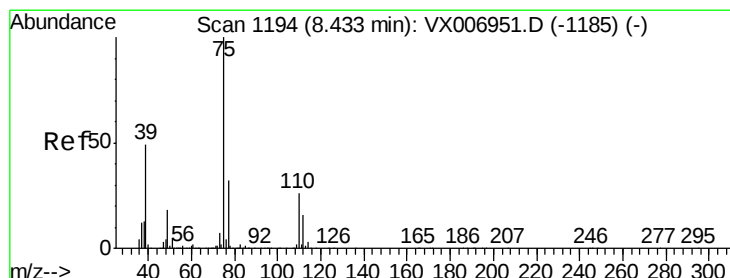
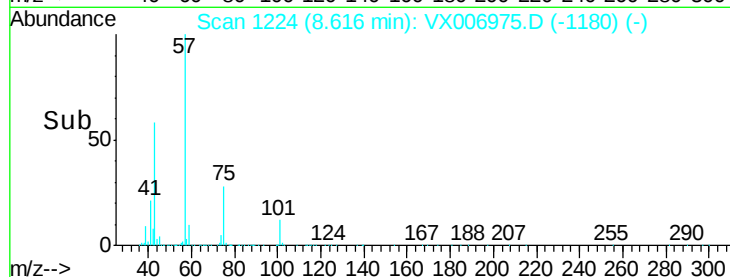
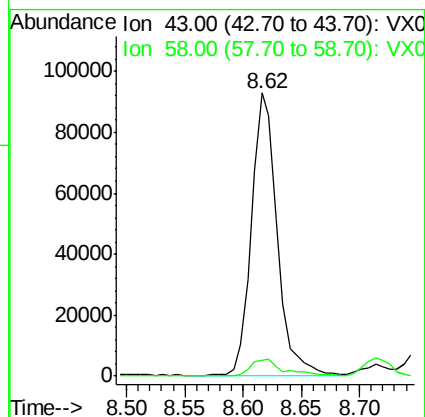
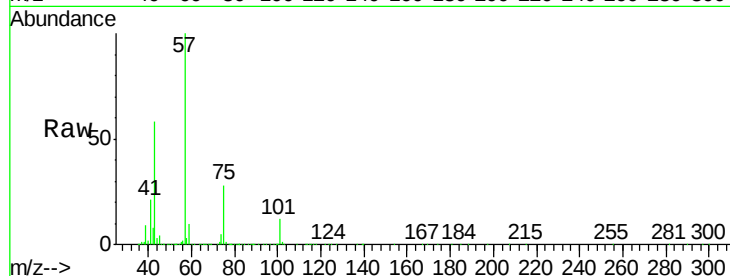
JC-03-010819-I

Tot Ion: 43 Resp: 141977

Ion Ratio Lower Upper

43 100

58 8.1 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 7.338 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

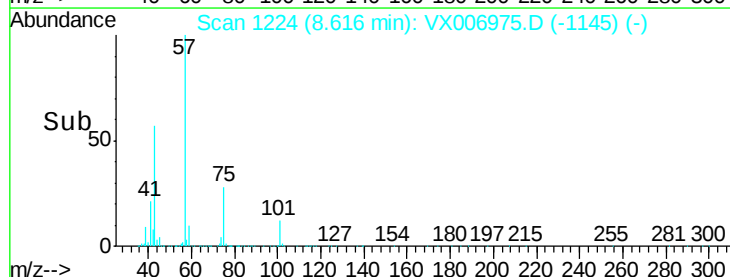
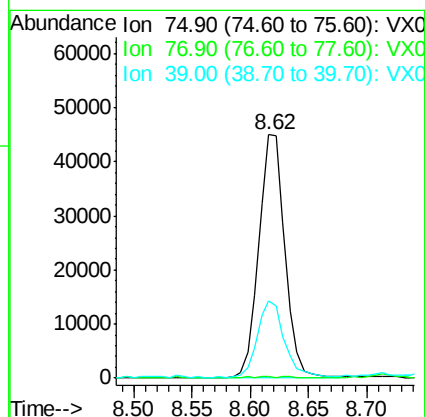
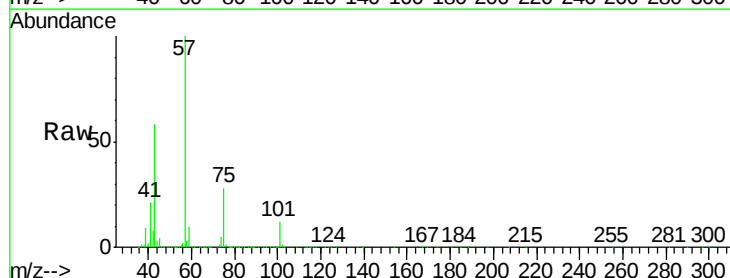
Tgt Ion: 75 Resp: 70564

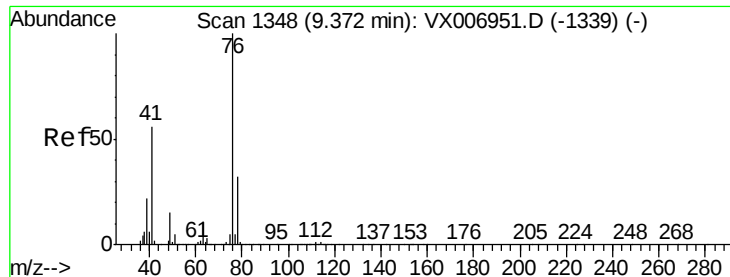
Ion Ratio Lower Upper

75 100

77 0.6 26.2 39.2#

39 31.4 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 1.607 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

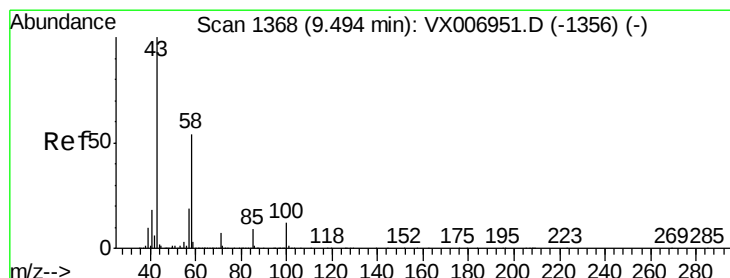
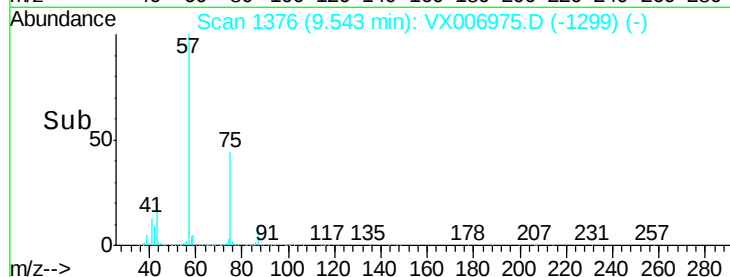
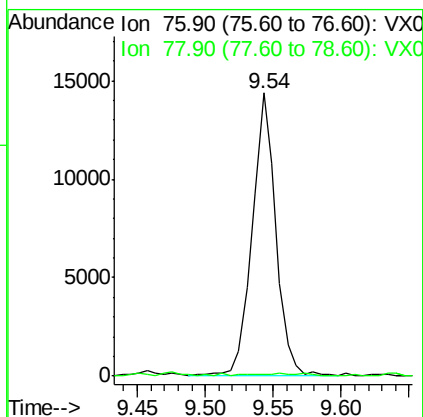
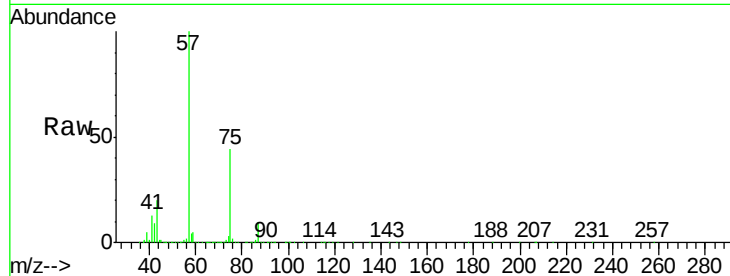
JC-03-010819-I

Tot Ion: 76 Resp: 17686

Ion Ratio Lower Upper

76 100

78 0.8 26.0 39.0#



#59

2-Hexanone

Concen: 31.048 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX006975.D

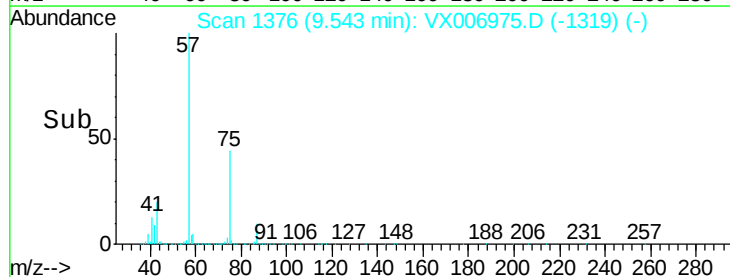
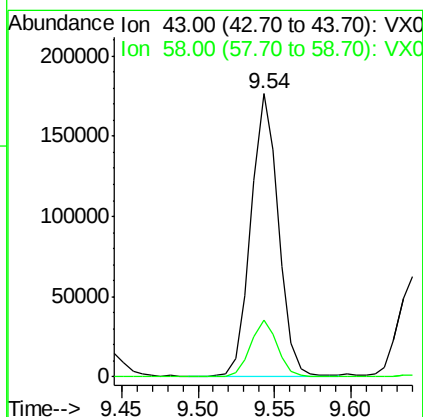
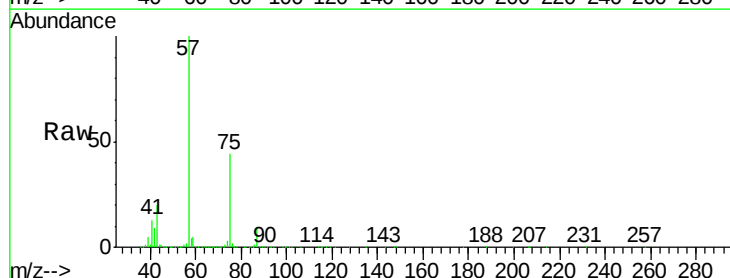
Acq: 09 Jan 2019 19:40

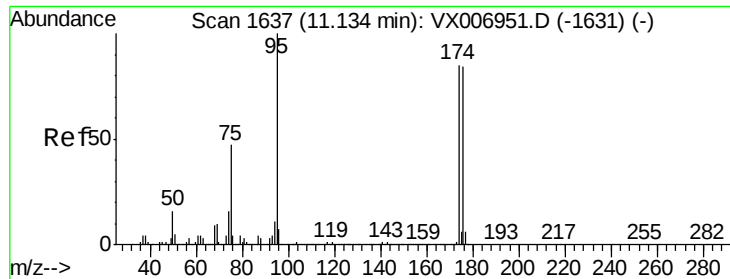
Tgt Ion: 43 Resp: 220046

Ion Ratio Lower Upper

43 100

58 20.1 27.7 83.1#

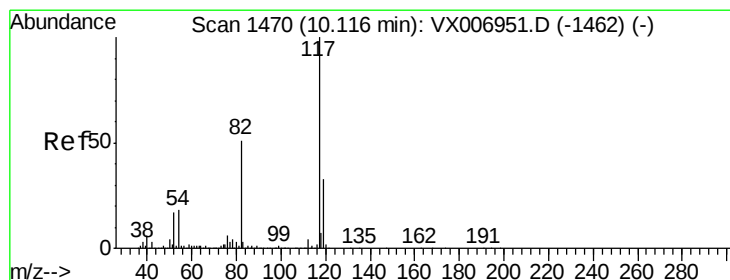
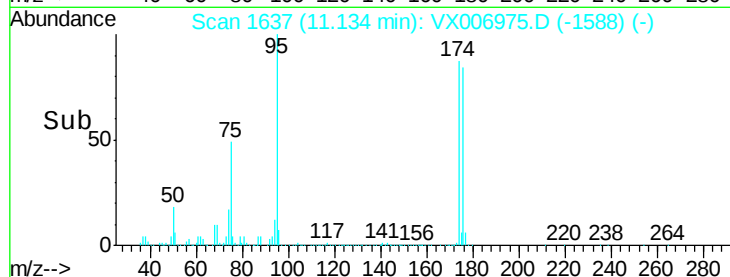
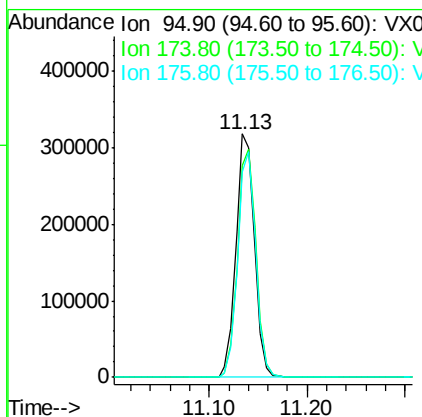
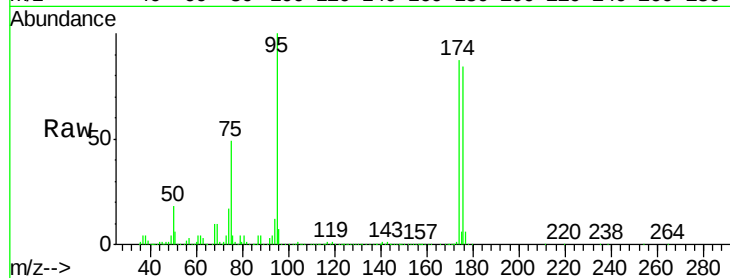




#62
4-Bromofluorobenzene
Concen: 51.658 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

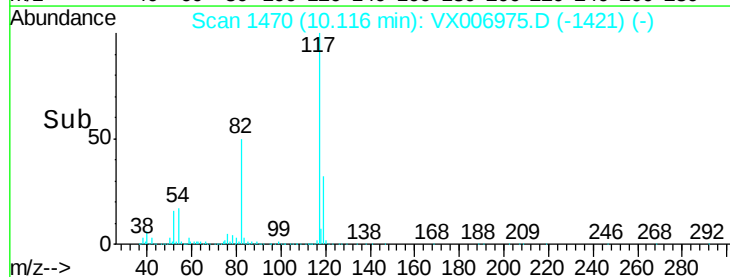
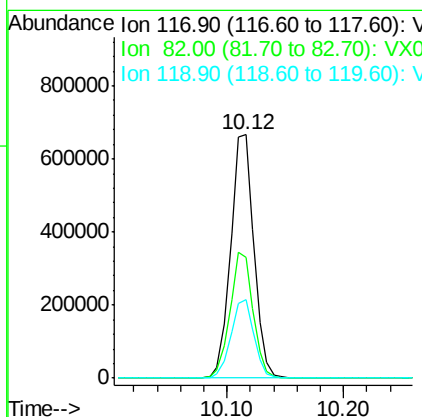
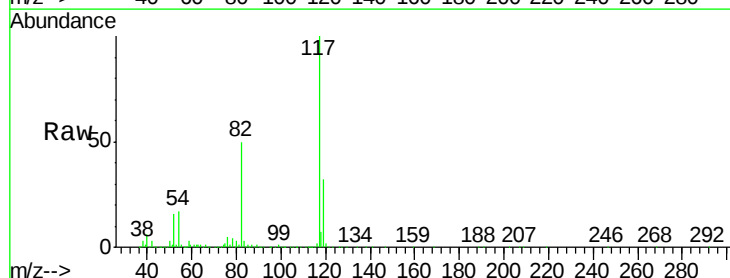
Instrument :
MSVOA_X
ClientSampleId :
JC-03-010819-I

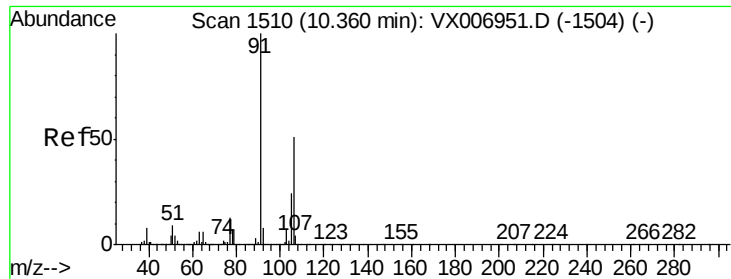
Tot Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	182.2
176	90.6	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.5	41.0	61.6
119	32.1	25.4	38.0

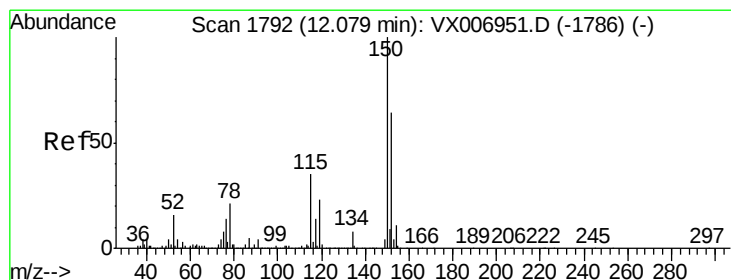
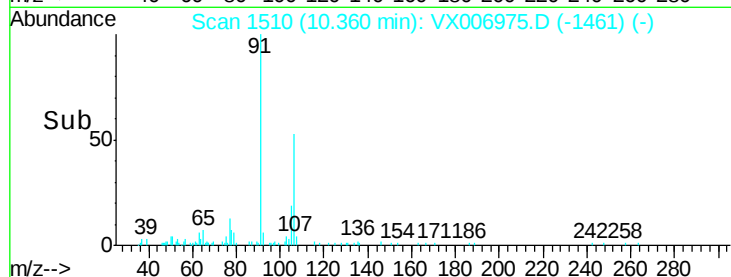
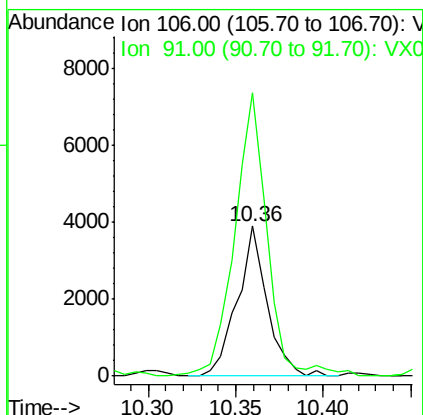
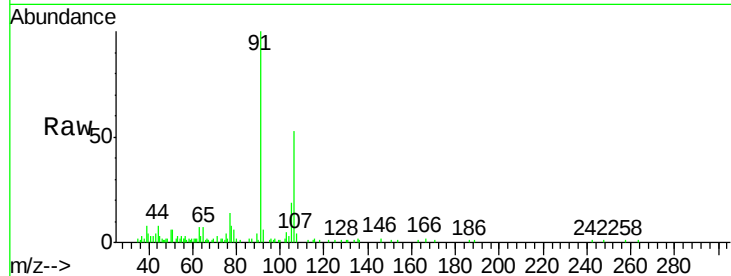




#68
m/p-Xvlenes
Concen: 0.352 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

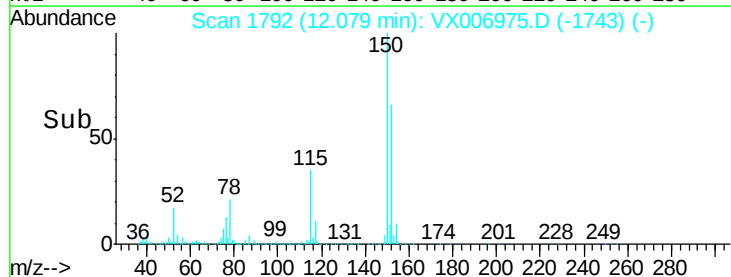
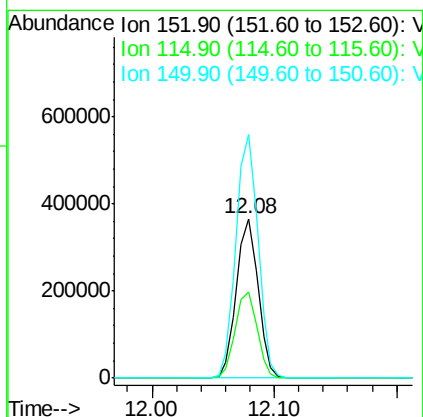
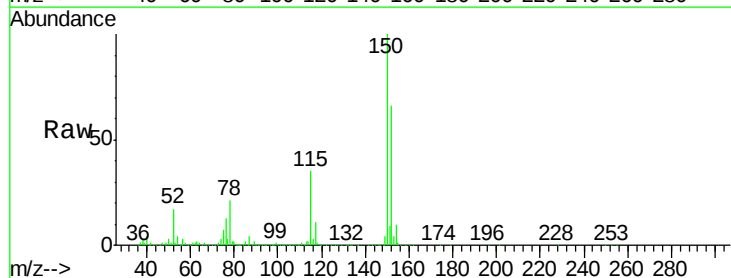
Instrument :
MSVOA_X
ClientSampleId :
JC-03-010819-I

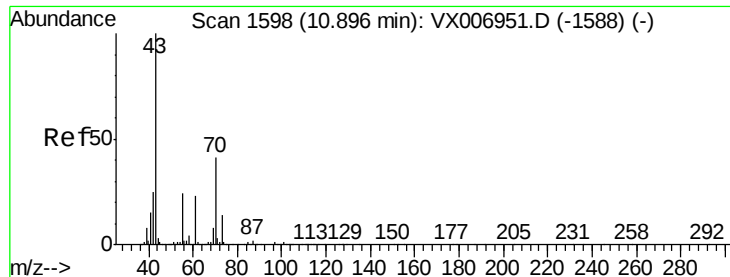
Tot Ion:106 Resp: 4619
Ion Ratio Lower Upper
106 100
91 205.4 155.8 233.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006975.D
Acq: 09 Jan 2019 19:40

Tgt Ion:152 Resp: 449920
Ion Ratio Lower Upper
152 100
115 54.8 39.1 117.2
150 154.8 0.0 344.8





#74

N-amvl acetate

Concen: 1.638 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

JC-03-010819-I

Tot Ion: 43 Resp: 20919

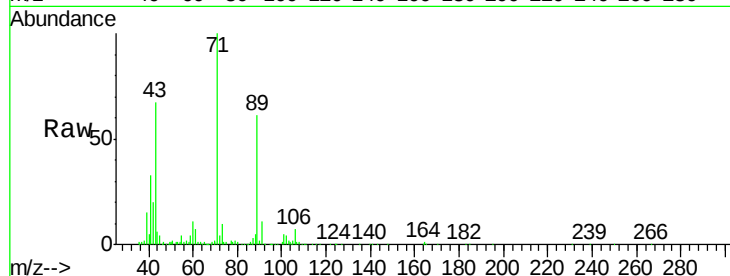
Ion Ratio Lower Upper

43 100

70 3.3 35.8 53.8#

55 6.7 19.4 29.0#

61 12.8 20.1 30.1#

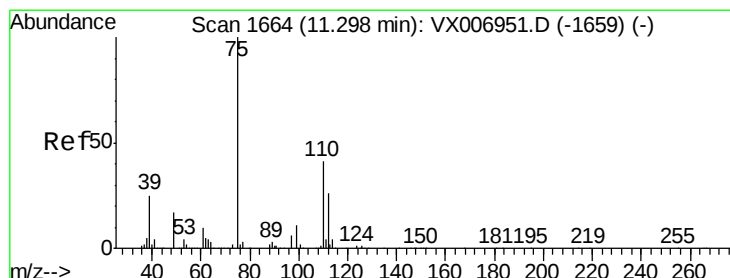
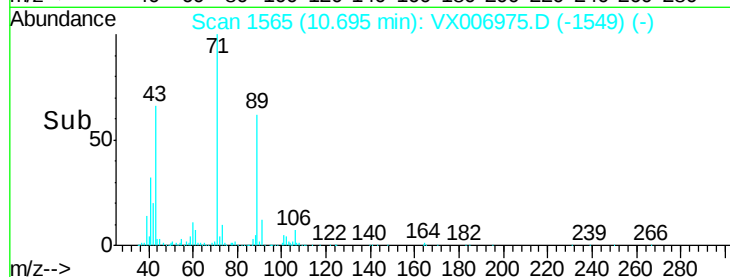
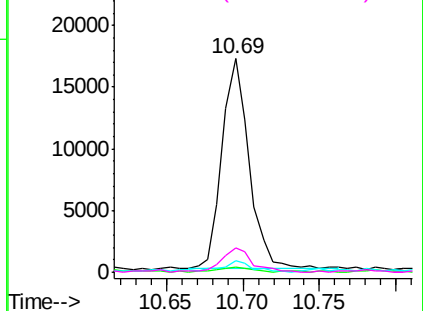


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.614 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006975.D

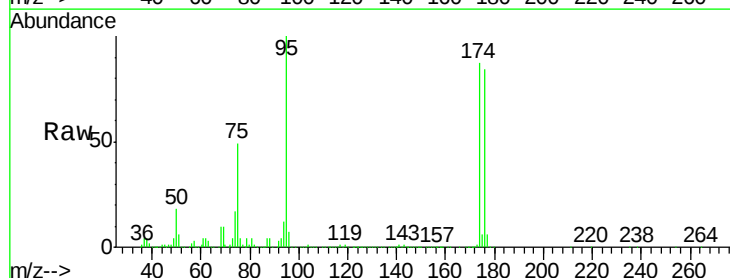
Acq: 09 Jan 2019 19:40

Tgt Ion: 75 Resp: 197066

Ion Ratio Lower Upper

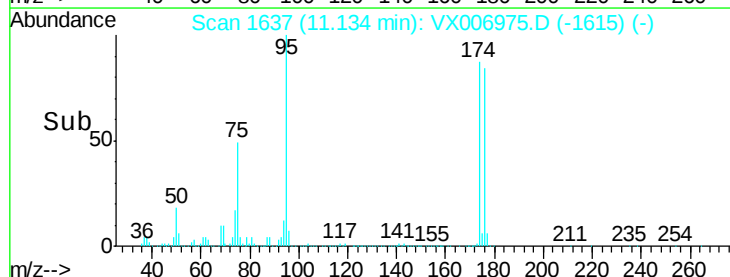
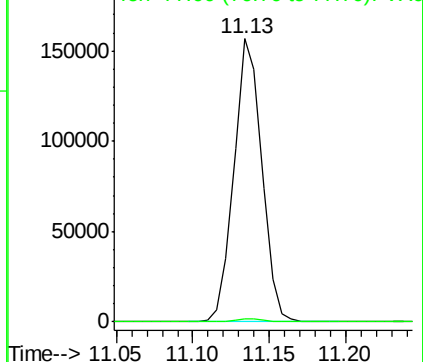
75 100

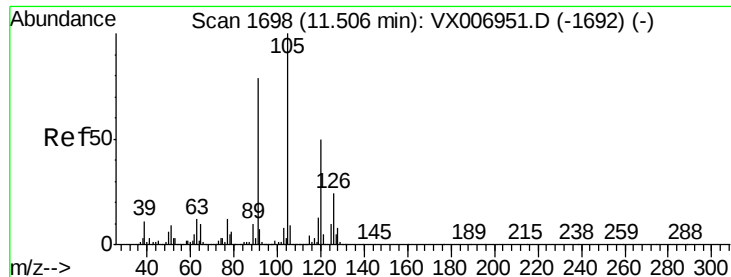
77 1.3 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.434 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

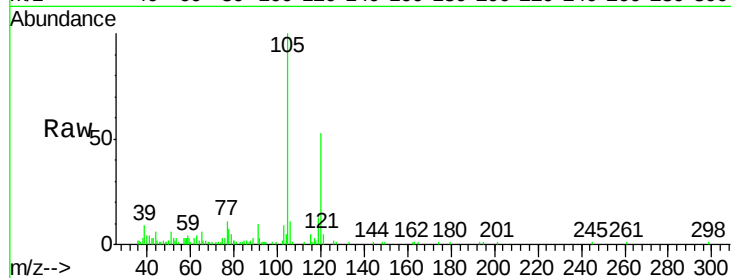
JC-03-010819-I

Tot Ion:105 Resp: 11511

Ion Ratio Lower Upper

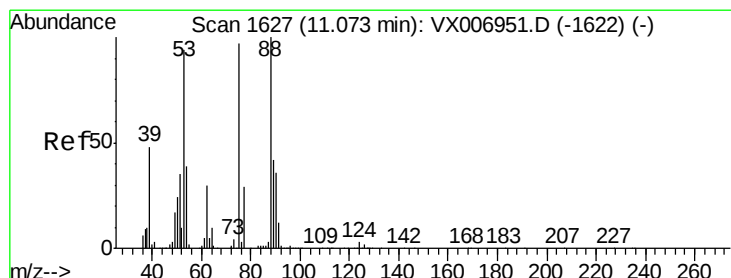
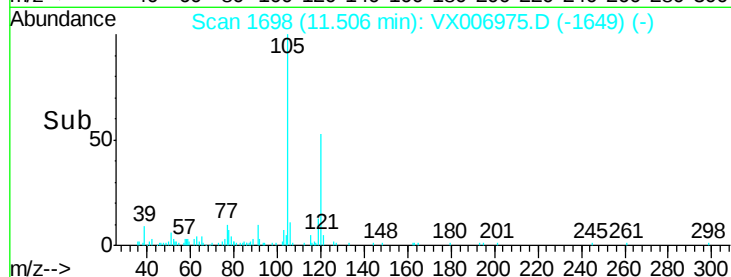
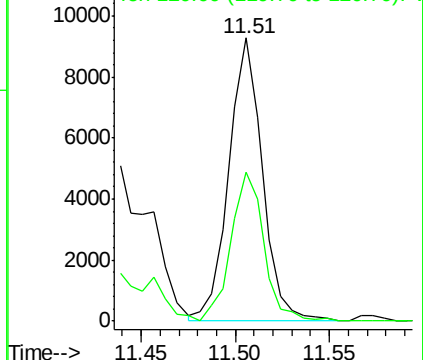
105 100

120 51.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 64.076 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

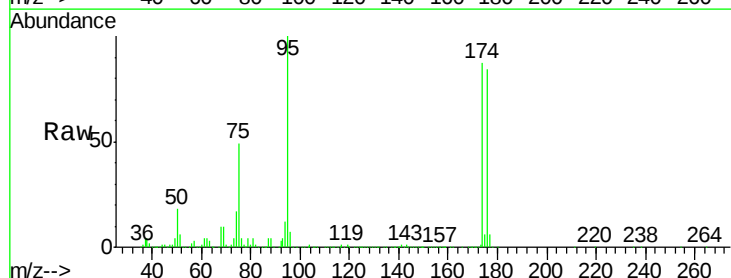
Tgt Ion: 75 Resp: 197066

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

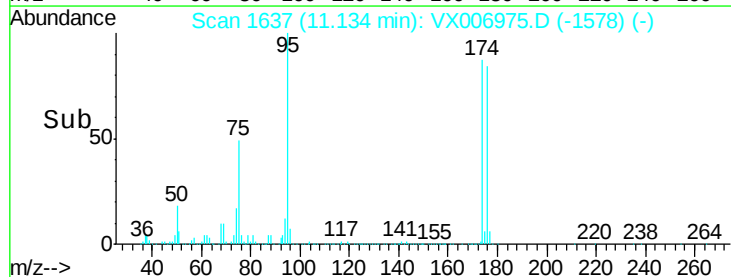
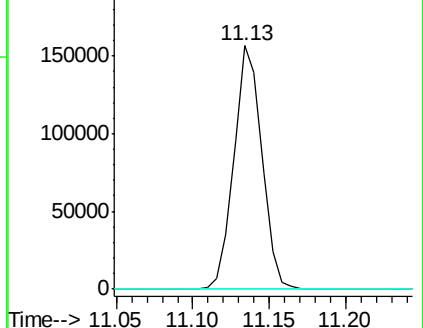
89 0.0 38.0 57.0#

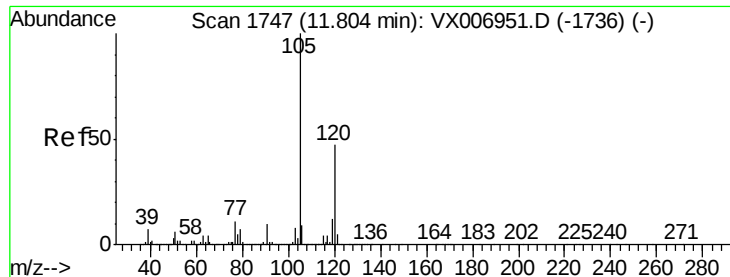


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#84

1,2,4-Trimethylbenzene

Concen: 0.536 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

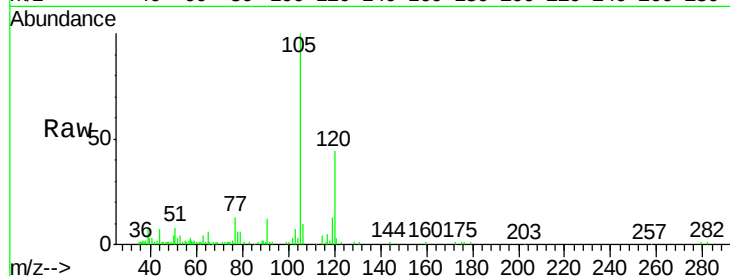
JC-03-010819-I

Tot Ion:105 Resp: 14292

Ion Ratio Lower Upper

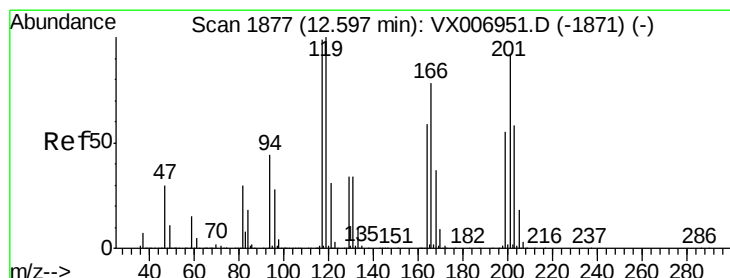
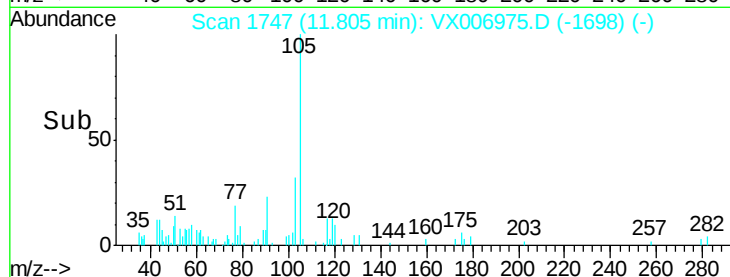
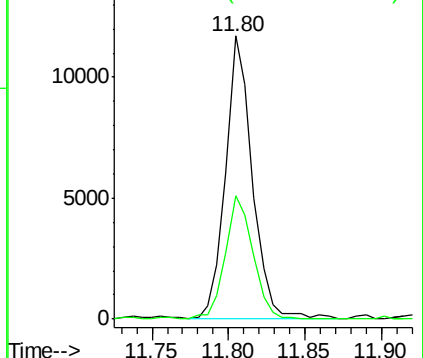
105 100

120 44.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: 2.994 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006975.D

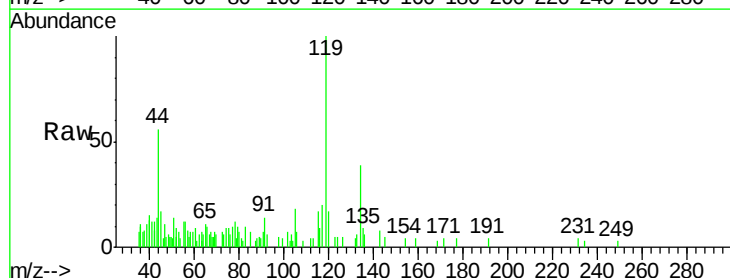
Acq: 09 Jan 2019 19:40

Tgt Ion:117 Resp: 412

Ion Ratio Lower Upper

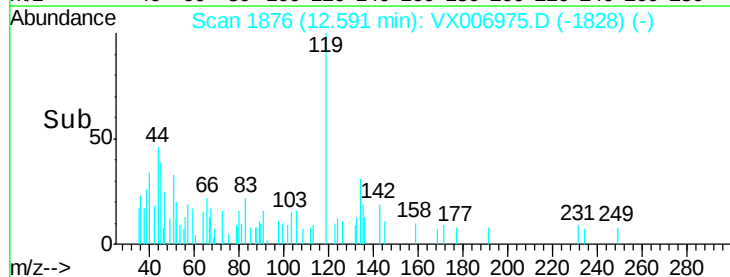
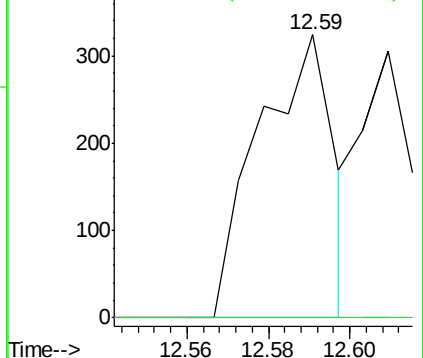
117 100

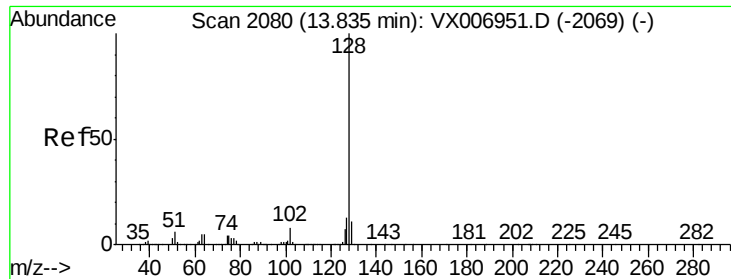
201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 0.368 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006975.D

Acq: 09 Jan 2019 19:40

Instrument :

MSVOA_X

ClientSampleId :

JC-03-010819-I

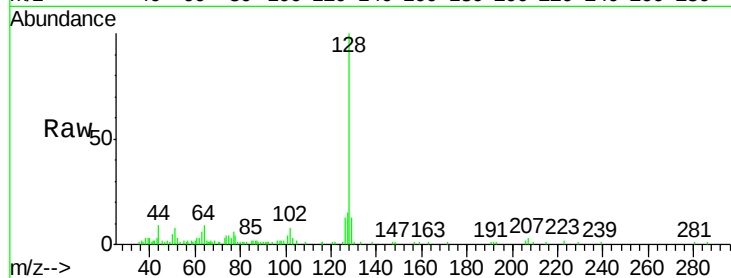
Tot Ion:128 Resp: 11916

Ion Ratio Lower Upper

128 100

127 13.8 10.1 15.1

129 16.0 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

