

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054191.D
 Acq On : 13 Mar 2019 4:21
 Operator : JC/SP
 Sample : K1697-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-03-031119-A

Quant Time: Mar 13 07:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1481403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2414653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2506917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1096977	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	776796	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
35) Dibromofluoromethane	7.59	113	735754	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
50) Toluene-d8	10.09	98	2981756	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.40	95	1137999	56.55	ug/l	0.00
Spiked Amount			Recovery	=	113.10%	

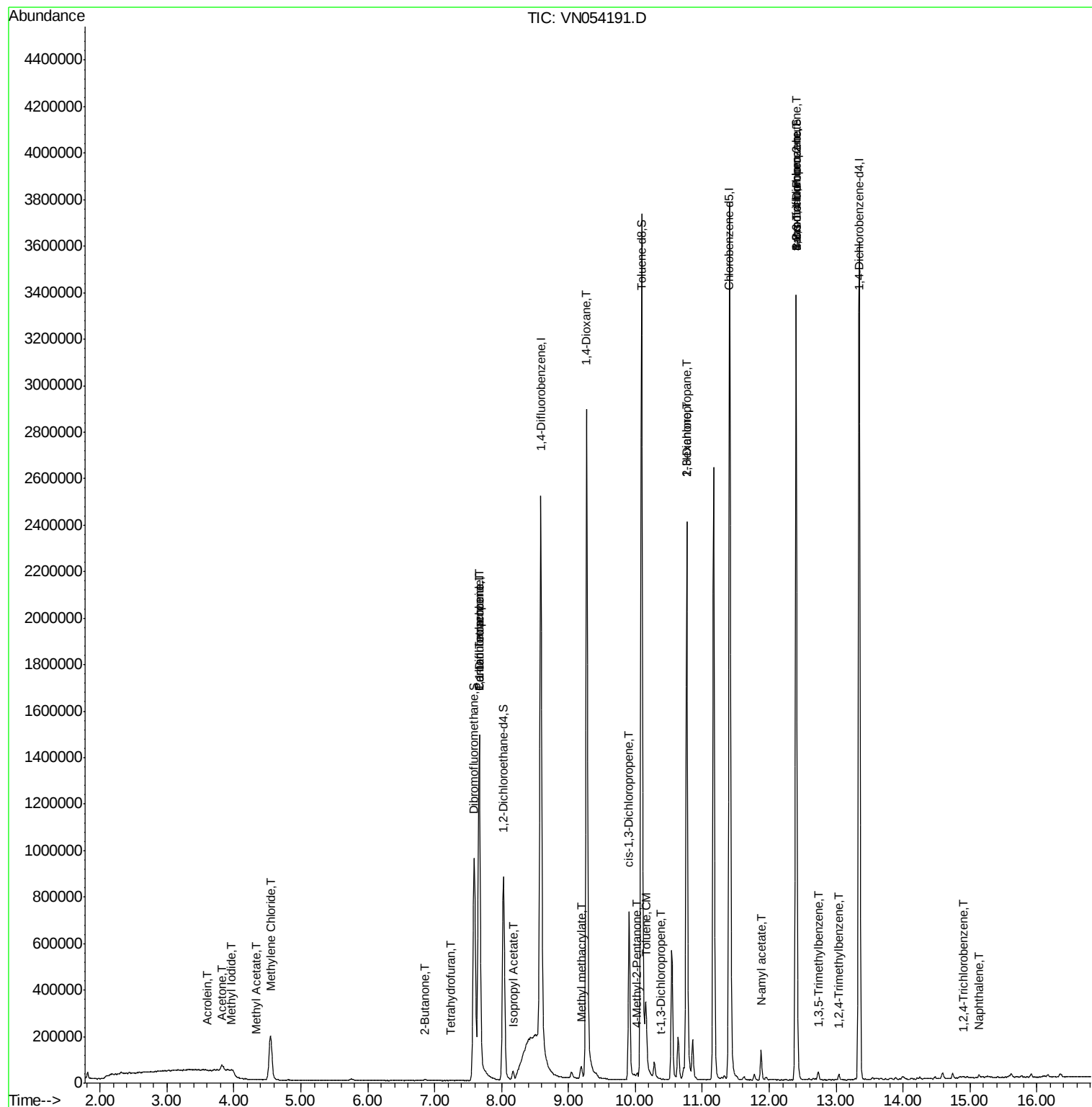
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	252	1.508	ug/l #	62
13) Acrolein	3.61	56	521	0.510	ug/l #	1
16) Acetone	3.82	43	34304	7.615	ug/l	93
18) Methyl Acetate	4.34	43	2751	0.302	ug/l #	77
20) Methylene Chloride	4.55	84	156277	10.566	ug/l	97
25) 2-Butanone	6.86	43	3888	0.735	ug/l #	80
29) Tetrahydrofuran	7.23	42	1711	0.503	ug/l #	63
31) Cyclohexane	7.66	56	21076	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	84742	3.811	ug/l #	48
38) Carbon Tetrachloride	7.67	117	117798	5.052	ug/l #	16
43) Isopropyl Acetate	8.17	43	48567	2.166	ug/l	99
48) Methyl methacrylate	9.18	41	17751	1.560	ug/l #	11
49) 1,4-Dioxane	9.26	88	465	2.888	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	17762	1.497	ug/l #	36
52) Toluene	10.16	92	120744	2.993	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	401	2.002	ug/l #	59
54) cis-1,3-Dichloropropene	9.90	75	146927	5.891	ug/l #	60
57) 1,3-Dichloropropane	10.77	76	27597	1.146	ug/l #	43
59) 2-Hexanone	10.77	43	366341	46.388	ug/l #	49
71) Bromoform	12.40	173	7771	2.836	ug/l #	1
74) N-amyl acetate	11.88	43	37817	1.941	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	551378	34.180	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	16200	0.222	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	551378	116.843	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	16103	0.225	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	1321	2.571	ug/l	80
95) Naphthalene	15.14	128	12709	3.716	ug/l	97

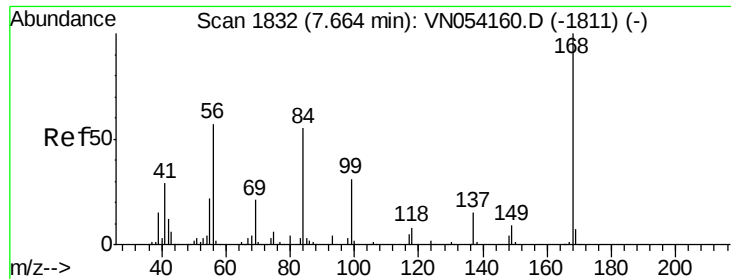
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

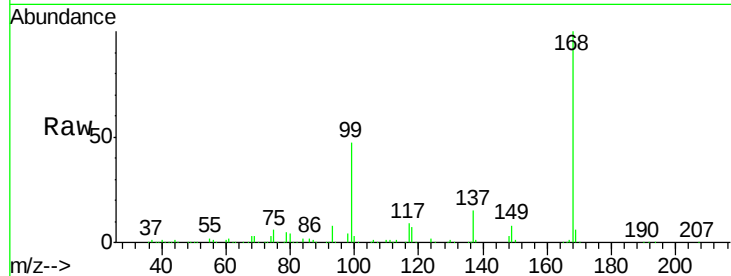
SU-03-031119-A

Tot Ion:168 Resp: 1481403

Ion Ratio Lower Upper

168 100

99 47.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

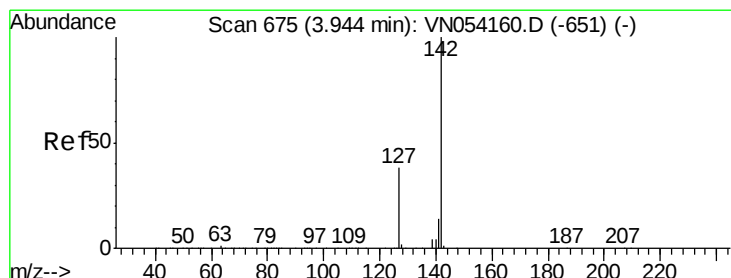
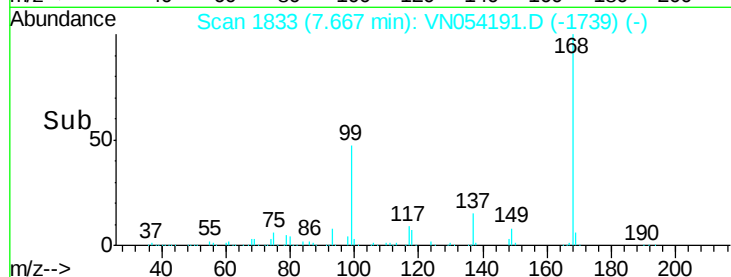
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.508 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

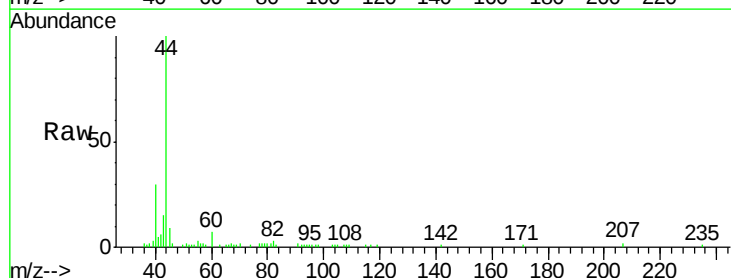
Tgt Ion:142 Resp: 252

Ion Ratio Lower Upper

142 100

127 11.9 30.3 45.5#

141 23.8 11.2 16.8#



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

3.95

400

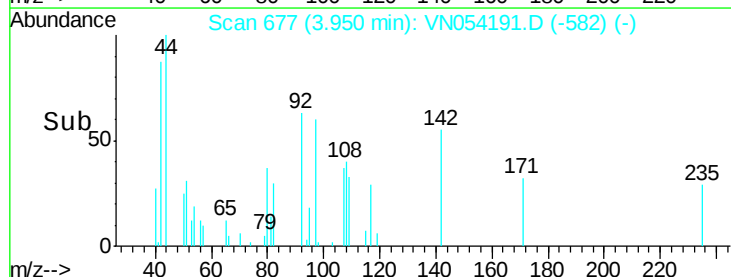
300

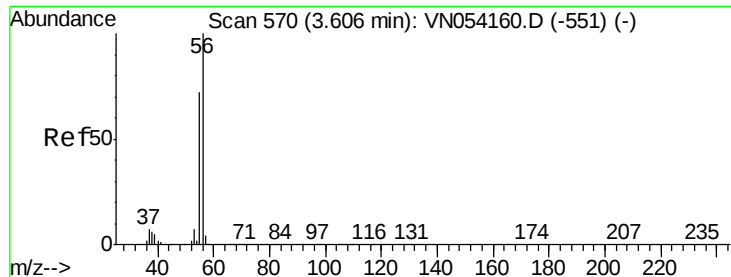
200

100

0

Time-->





#13

Acrolein

Concen: 0.510 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

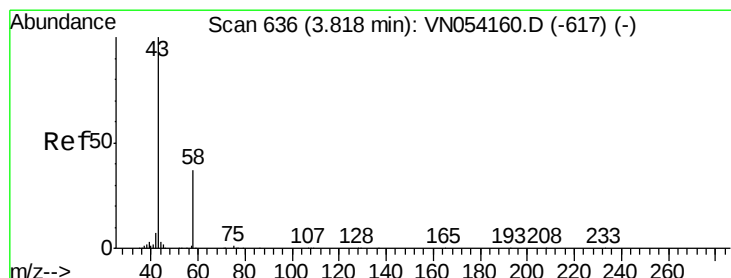
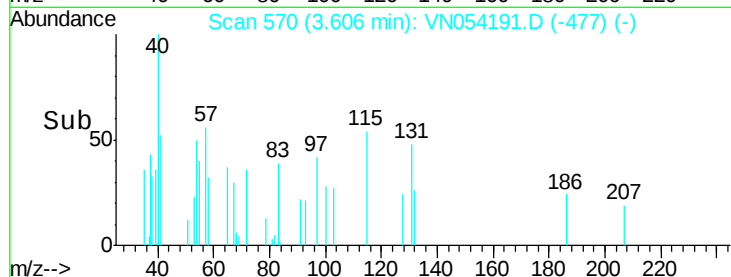
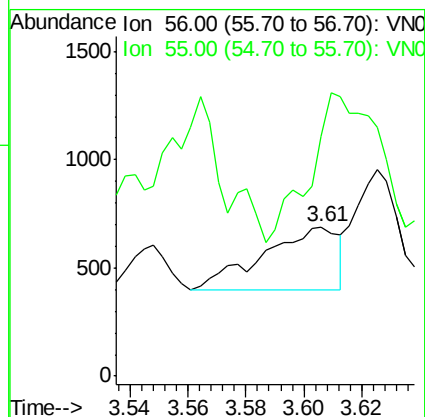
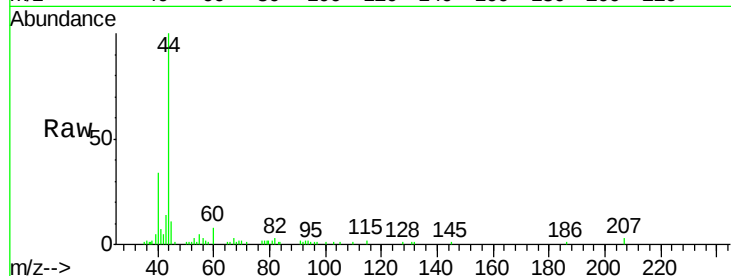
SU-03-031119-A

Tot Ion: 56 Resp: 521

Ion Ratio Lower Upper

56 100

55 216.1 56.7 85.1#



#16

Acetone

Concen: 7.615 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054191.D

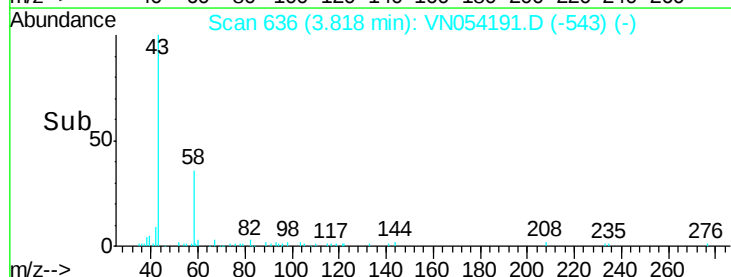
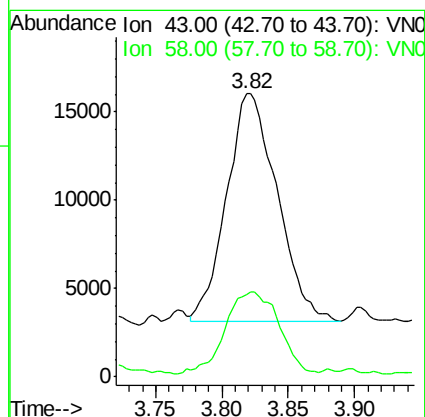
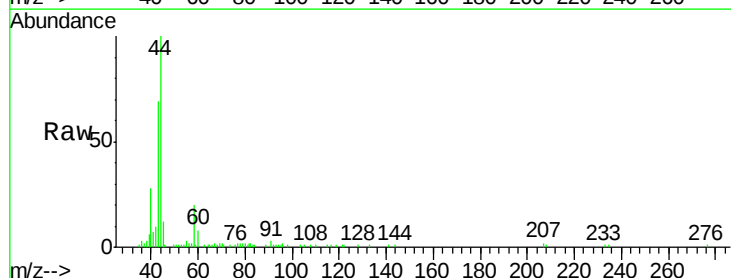
Acq: 13 Mar 2019 4:21

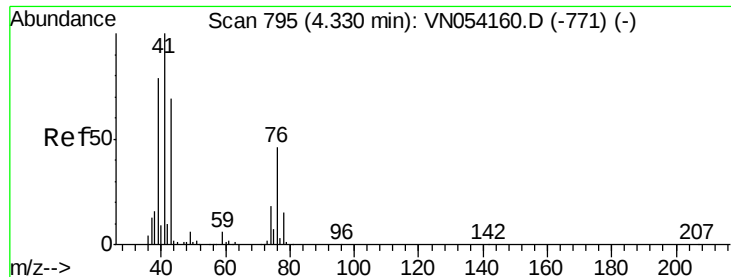
Tgt Ion: 43 Resp: 34304

Ion Ratio Lower Upper

43 100

58 33.5 29.9 44.9

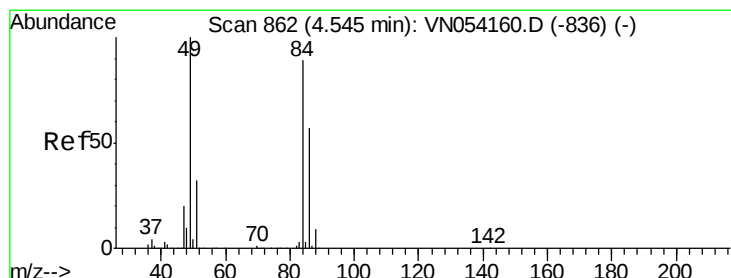
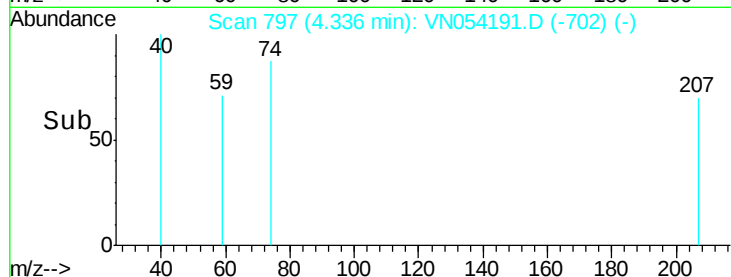
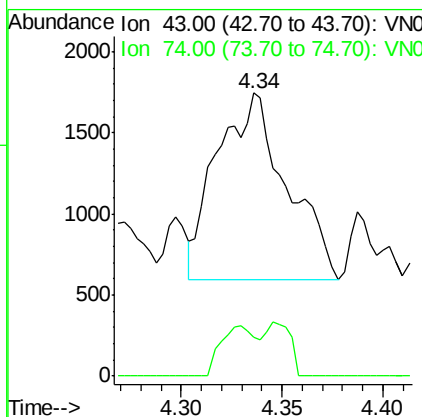
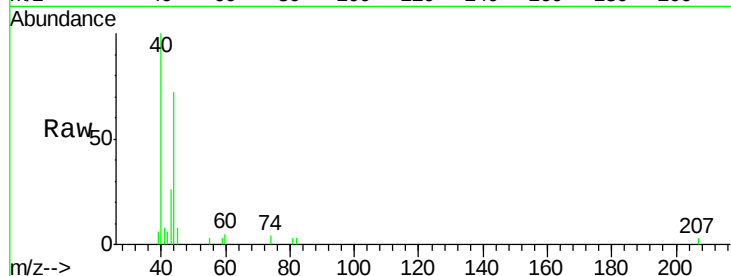




#18
Methyl Acetate
Concen: 0.302 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054191.D
Acq: 13 Mar 2019 4:21

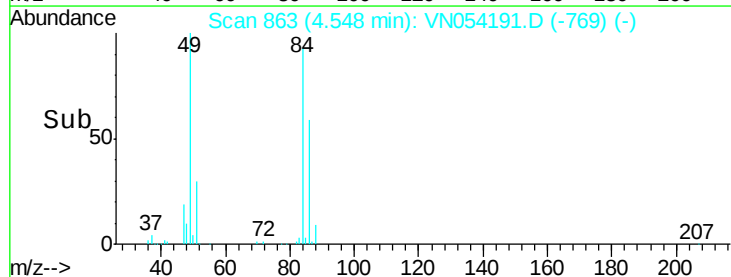
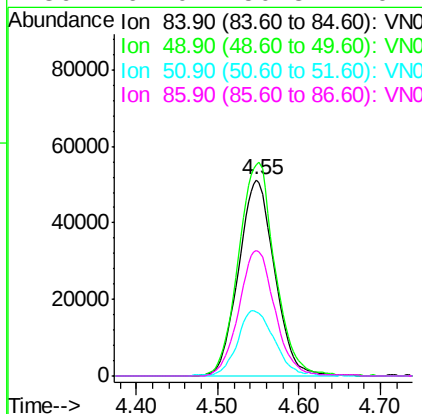
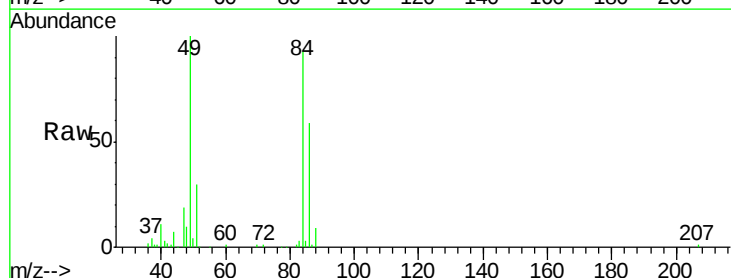
Instrument :
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SU-03-031119-A

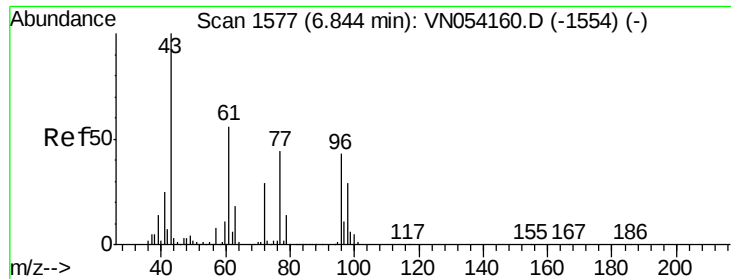
Tot Ion: 43 Resp: 2751
Ion Ratio Lower Upper
43 100
74 14.1 20.8 31.2#



#20
Methylene Chloride
Concen: 10.566 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054191.D
Acq: 13 Mar 2019 4:21

Tgt Ion: 84 Resp: 156277
Ion Ratio Lower Upper
84 100
49 107.7 89.7 134.5
51 32.8 28.2 42.4
86 64.0 50.8 76.2

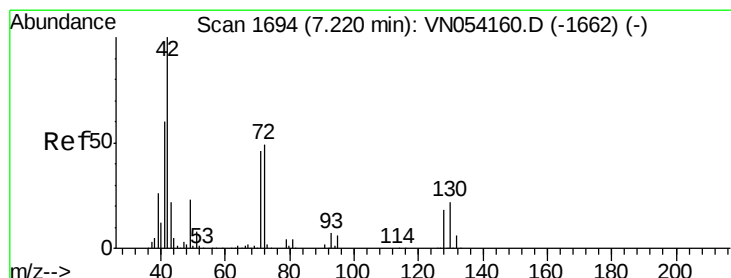
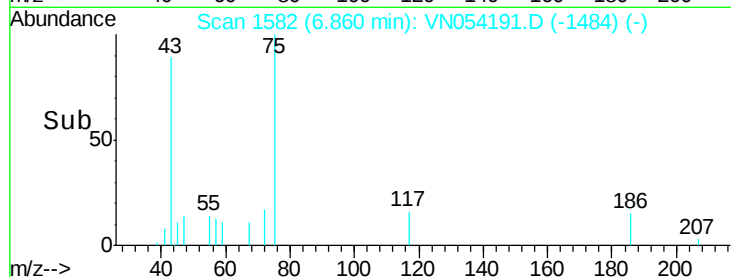
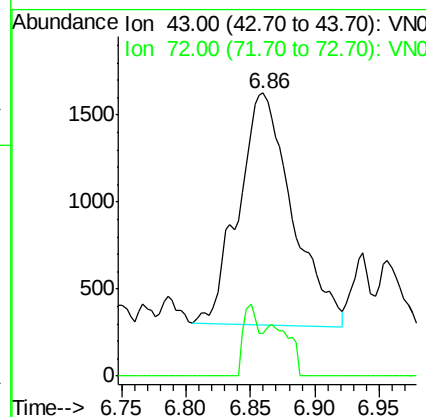
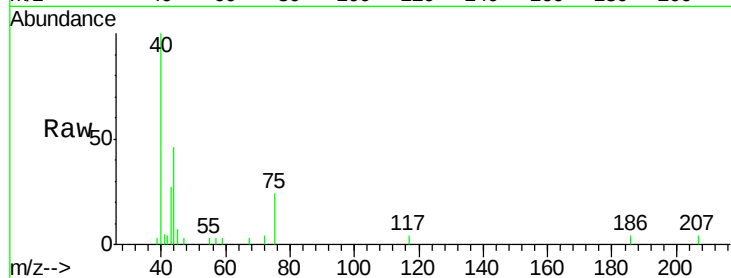




#25
2-Butanone
Concen: 0.735 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VN054191.D
Acq: 13 Mar 2019 4:21

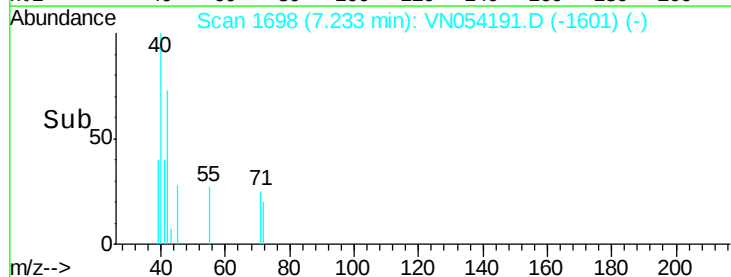
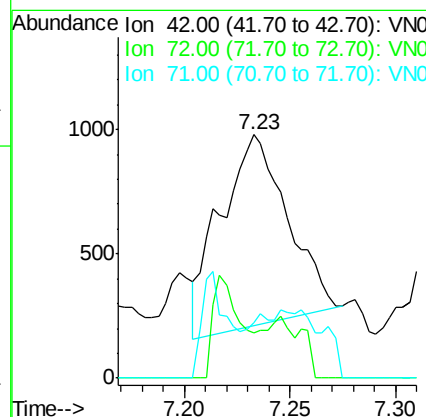
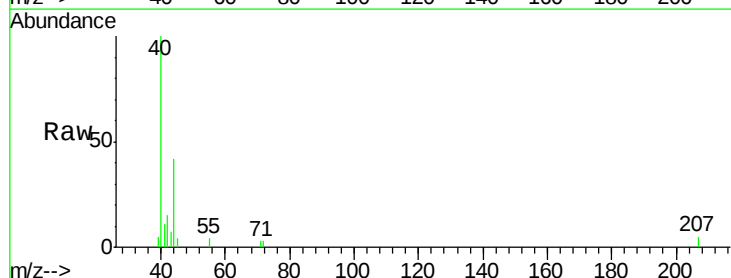
Instrument :
MSVOA_N
ClientSampleId :
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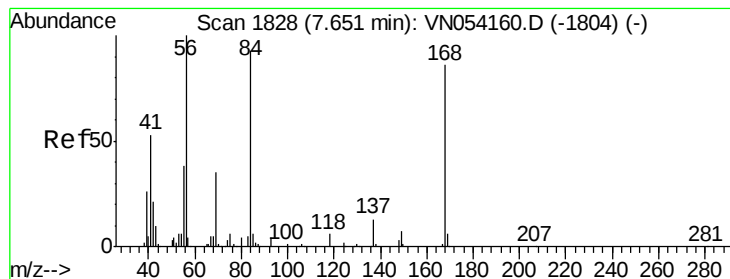
Tot Ion: 43 Resp: 3888
Ion Ratio Lower Upper
43 100
72 18.3 23.0 34.6#



#29
Tetrahydrofuran
Concen: 0.503 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VN054191.D
Acq: 13 Mar 2019 4:21

Tgt Ion: 42 Resp: 1711
Ion Ratio Lower Upper
42 100
72 22.0 37.8 56.6#
71 21.7 36.2 54.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-A

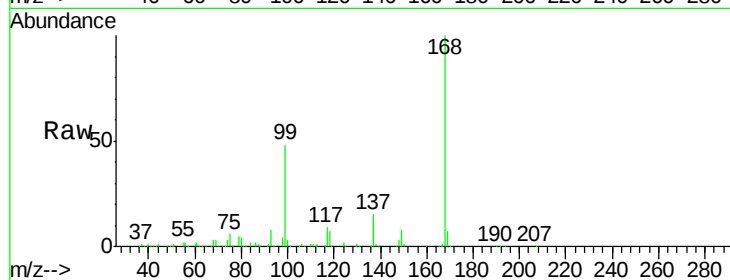
Tot Ion: 56 Resp: 21076

Ion Ratio Lower Upper

56 100

69 187.7 27.8 41.6#

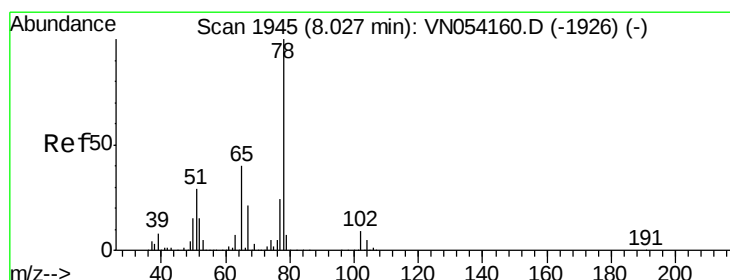
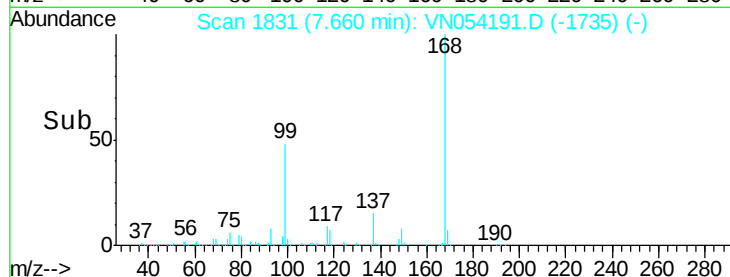
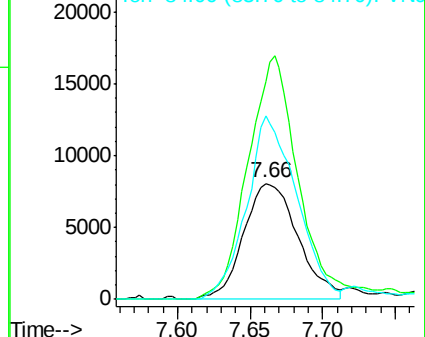
84 157.3 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.375 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054191.D

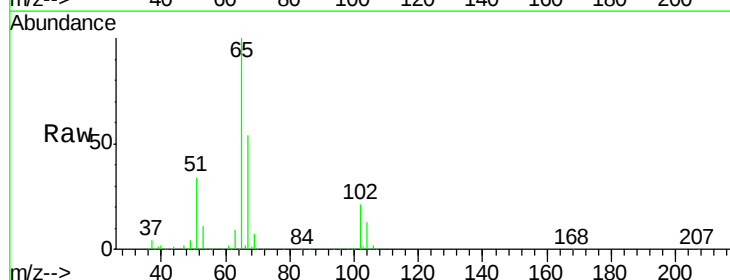
Acq: 13 Mar 2019 4:21

Tgt Ion: 65 Resp: 776796

Ion Ratio Lower Upper

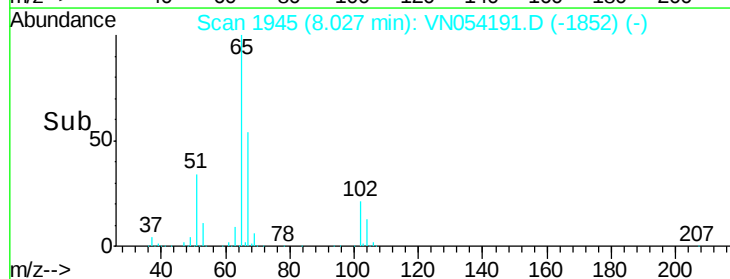
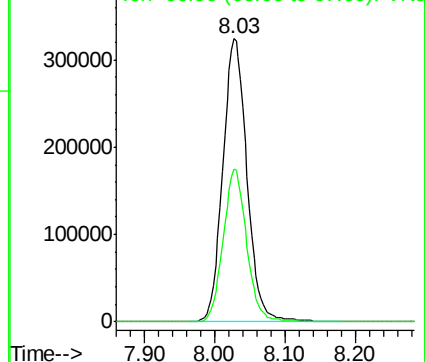
65 100

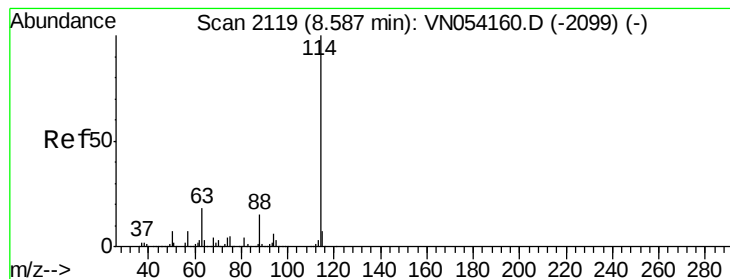
67 52.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

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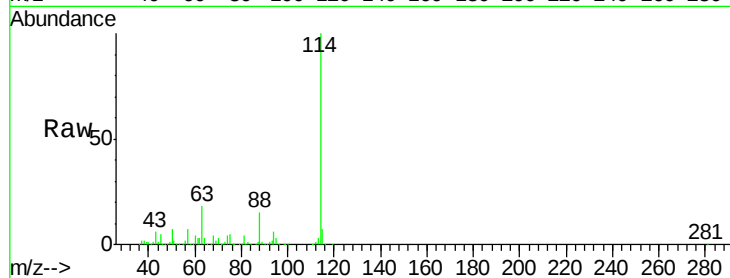
Tot Ion:114 Resp: 2414653

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

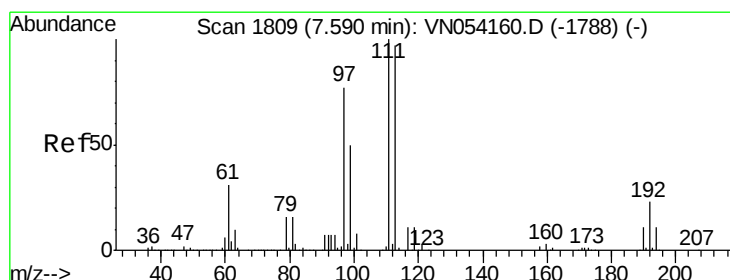
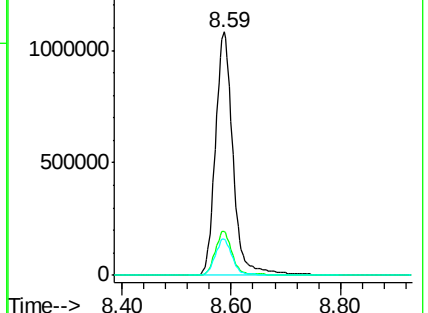
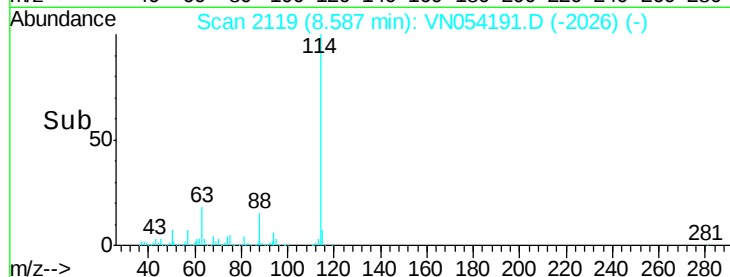
88 14.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.244 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

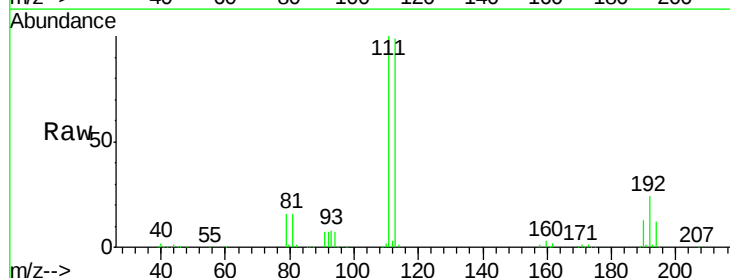
Tgt Ion:113 Resp: 735754

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

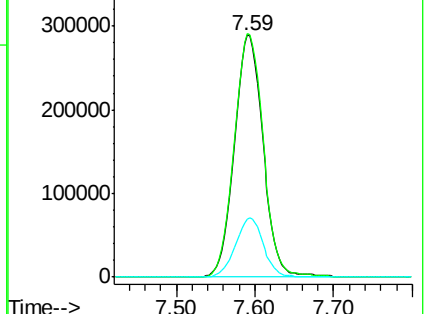
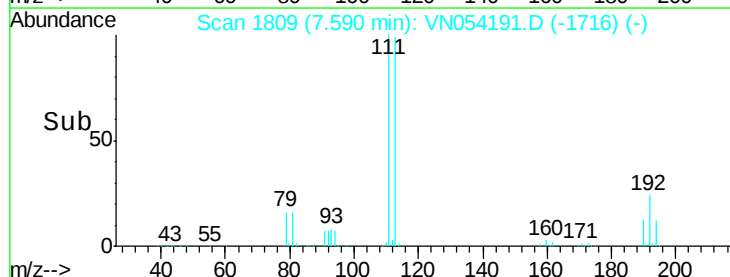
192 23.9 19.2 28.8

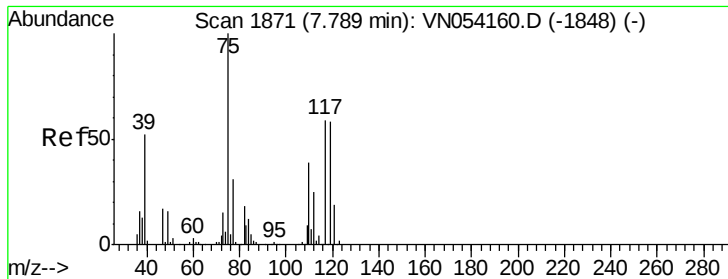


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.811 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054191.D

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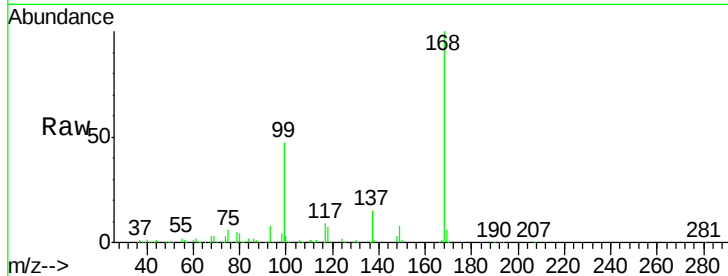
Tot Ion: 75 Resp: 84742

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.5#

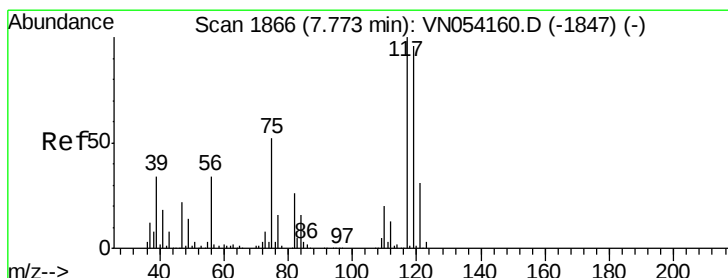
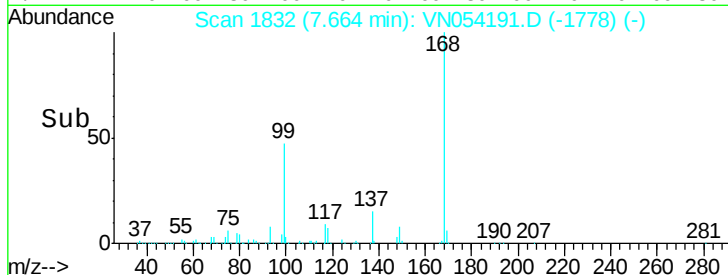
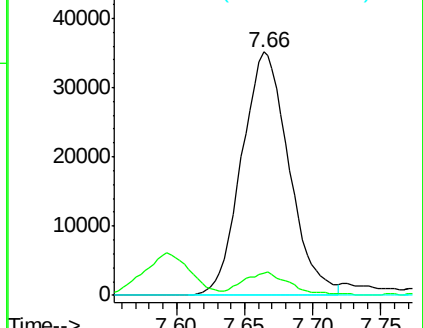
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN054191.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN054191.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN054191.D (-1778) (-)



#38

Carbon Tetrachloride

Concen: 5.052 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

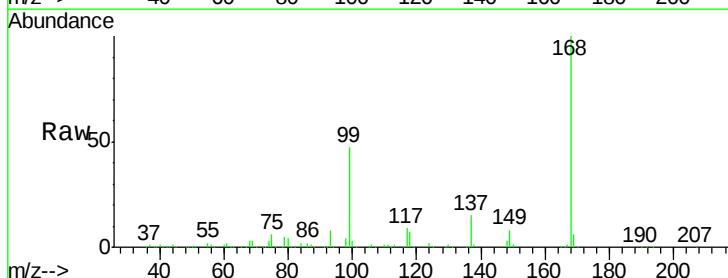
Tgt Ion: 117 Resp: 117798

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

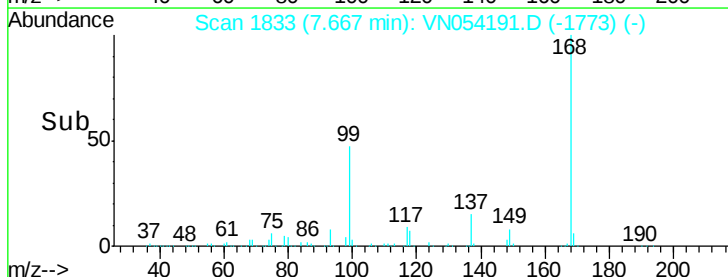
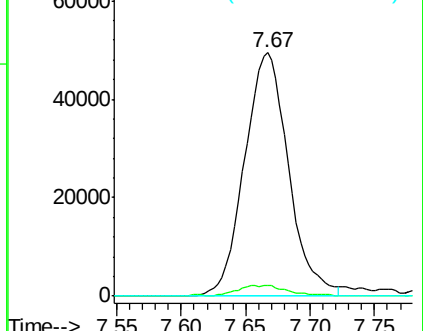
121 0.0 24.6 36.8#

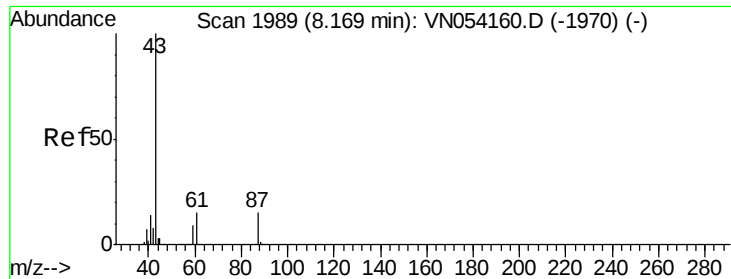


Abundance Ion 116.80 (116.50 to 117.50): VN054191.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054191.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054191.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 2.166 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-A

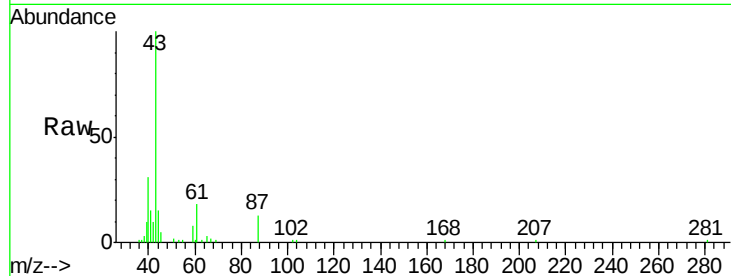
Tot Ion: 43 Resp: 48567

Ion Ratio Lower Upper

43 100

61 20.0 15.8 23.8

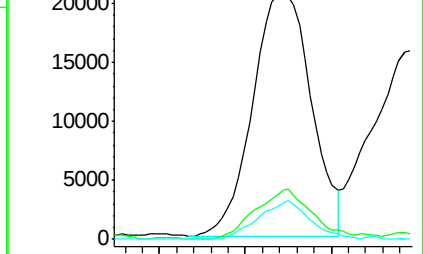
87 13.9 12.0 18.0



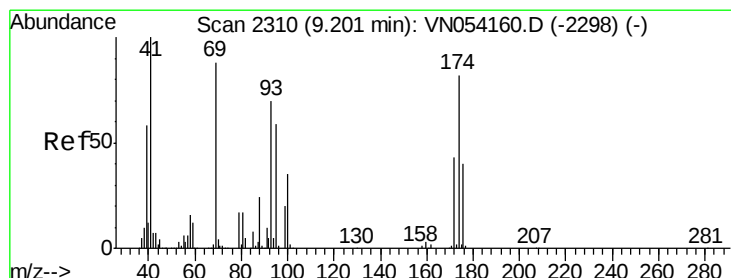
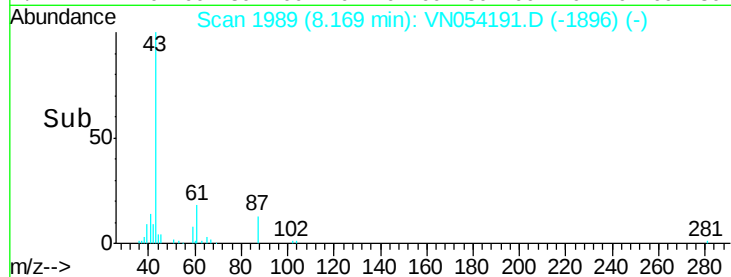
Abundance Ion 43.00 (42.70 to 43.70): VN054191.D (-2217) (-)

Ion 61.00 (60.70 to 61.70): VN054191.D (-2217) (-)

Ion 87.00 (86.70 to 87.70): VN054191.D (-2217) (-)



Time-->



#48

Methyl methacrylate

Concen: 1.560 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

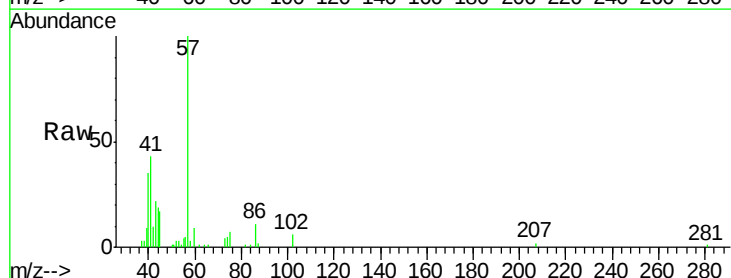
Tgt Ion: 41 Resp: 17751

Ion Ratio Lower Upper

41 100

69 0.6 72.6 108.8#

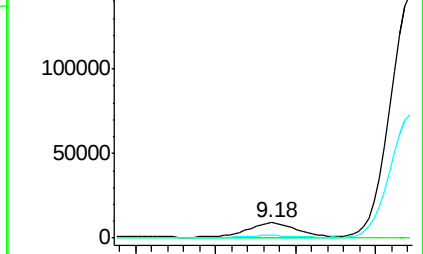
39 0.0 47.5 71.3#



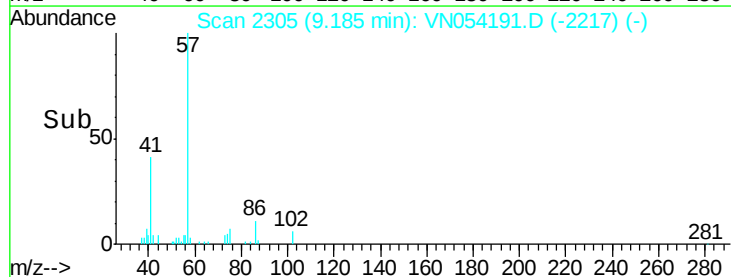
Abundance Ion 41.00 (40.70 to 41.70): VN054191.D (-2217) (-)

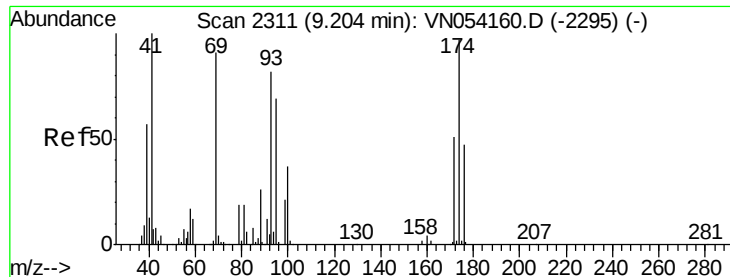
Ion 69.00 (68.70 to 69.70): VN054191.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054191.D (-2217) (-)



Time-->





#49

1,4-Dioxane

Concen: 2.888 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-A

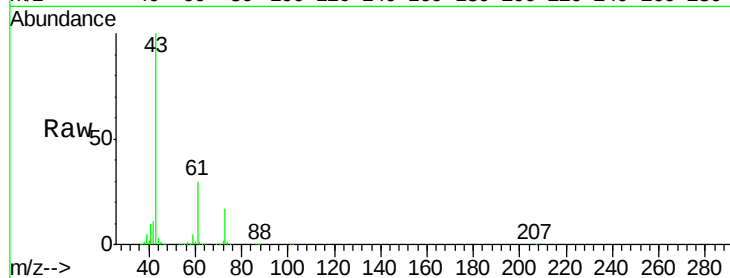
Tot Ion: 88 Resp: 465

Ion Ratio Lower Upper

88 100

43 642494.6 24.1 36.1#

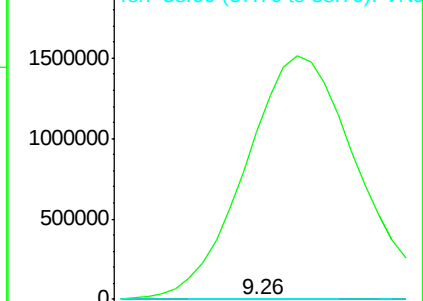
58 2519.6 50.8 76.2#



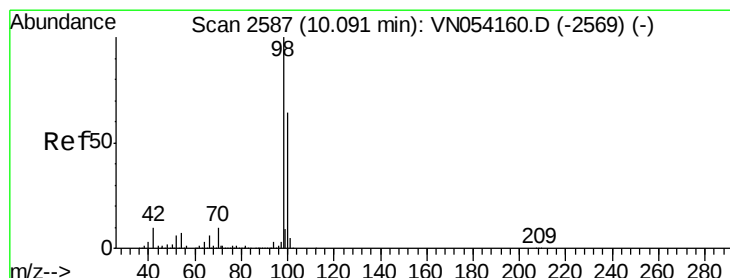
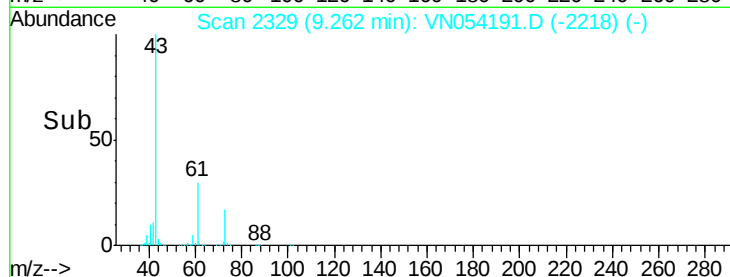
Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#50

Toluene-d8

Concen: 51.843 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054191.D

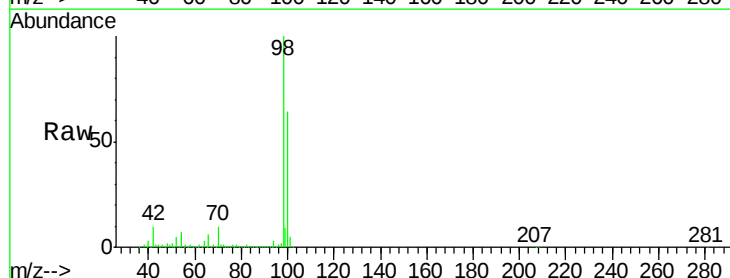
Acq: 13 Mar 2019 4:21

Tgt Ion: 98 Resp: 2981756

Ion Ratio Lower Upper

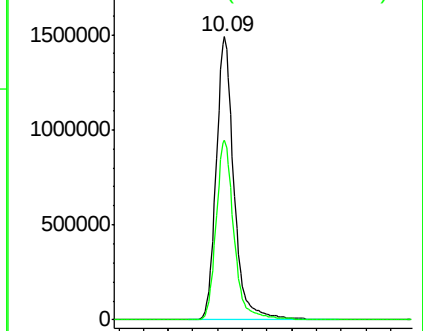
98 100

100 63.9 51.2 76.8

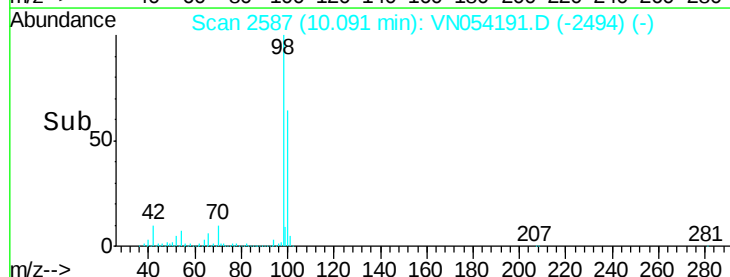


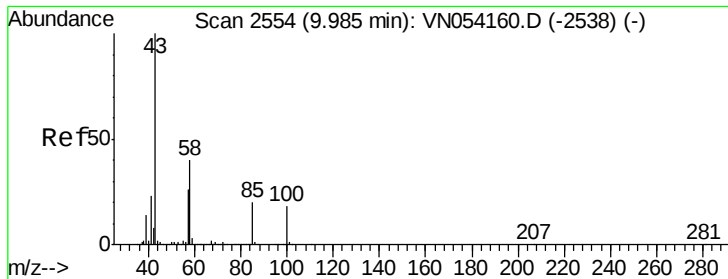
Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.497 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

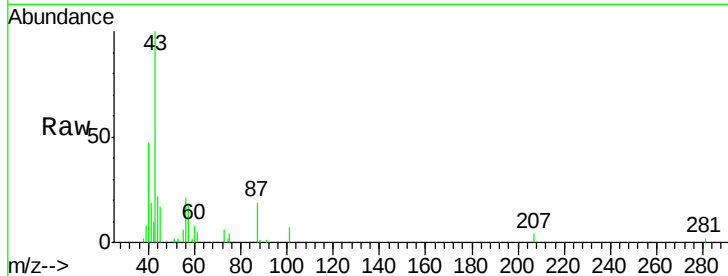
SU-03-031119-A

Tot Ion: 43 Resp: 17762

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



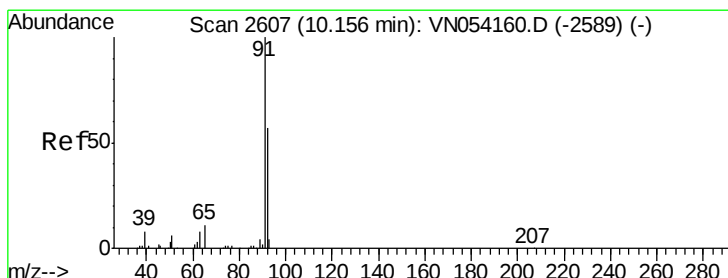
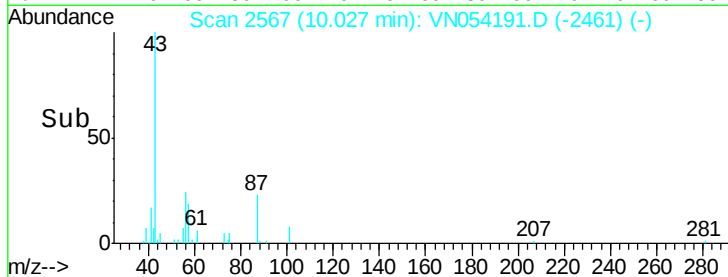
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.03

10.05

Time-->



#52

Toluene

Concen: 2.993 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054191.D

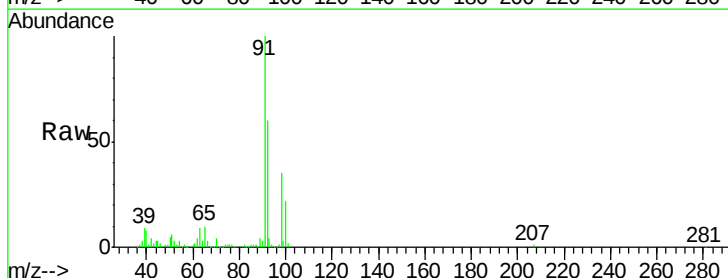
Acq: 13 Mar 2019 4:21

Tgt Ion: 92 Resp: 120744

Ion Ratio Lower Upper

92 100

91 173.2 140.7 211.1



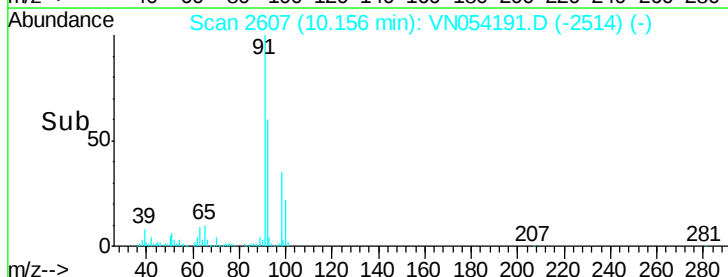
Abundance Ion 92.00 (91.70 to 92.70): VN0

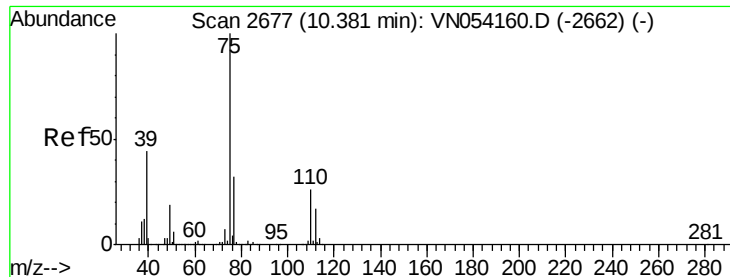
Ion 91.00 (90.70 to 91.70): VN0

10.16

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 2.002 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

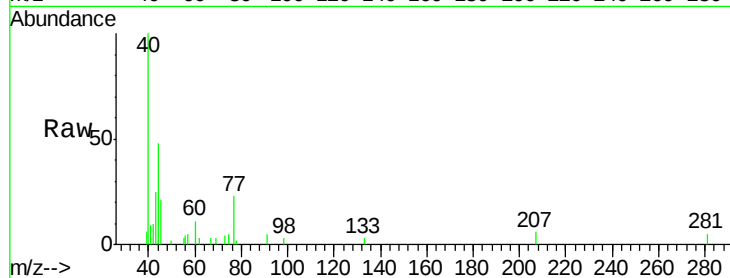
SU-03-031119-A

Tot Ion: 75 Resp: 401

Ion Ratio Lower Upper

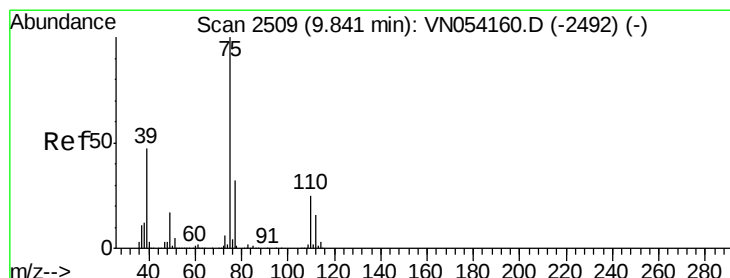
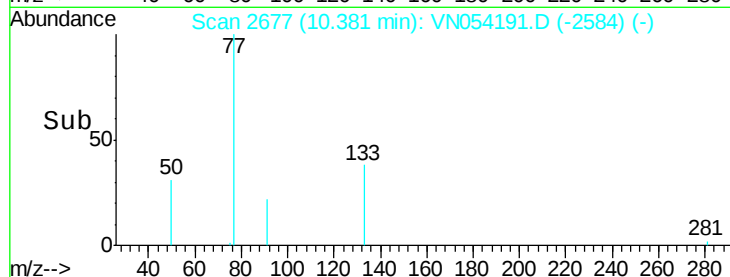
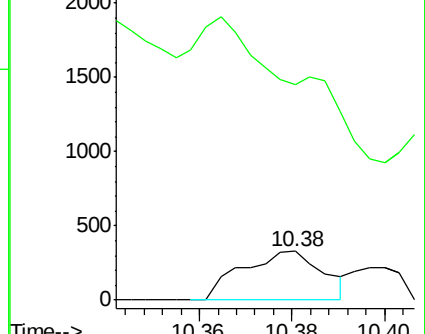
75 100

77 55.3 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.891 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

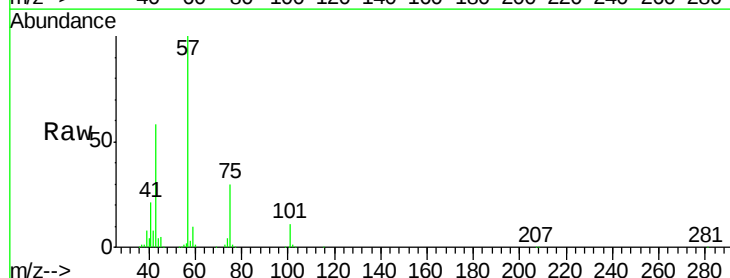
Tgt Ion: 75 Resp: 146927

Ion Ratio Lower Upper

75 100

77 0.4 25.4 38.0#

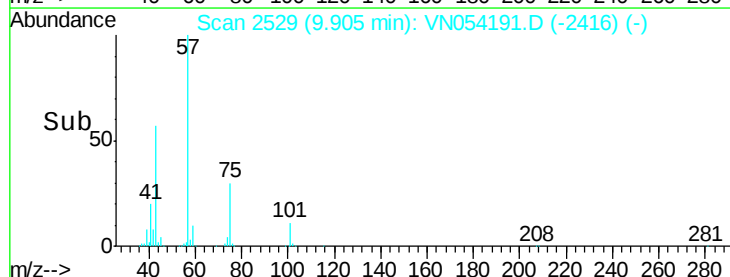
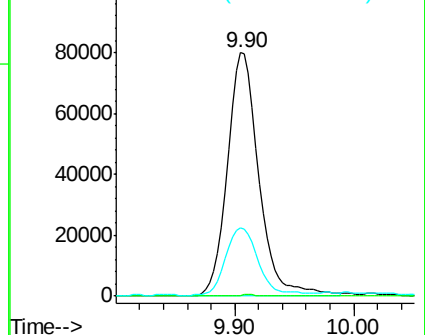
39 27.7 37.2 55.8#

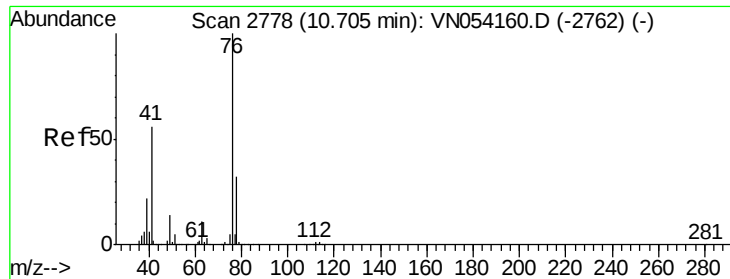


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.146 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

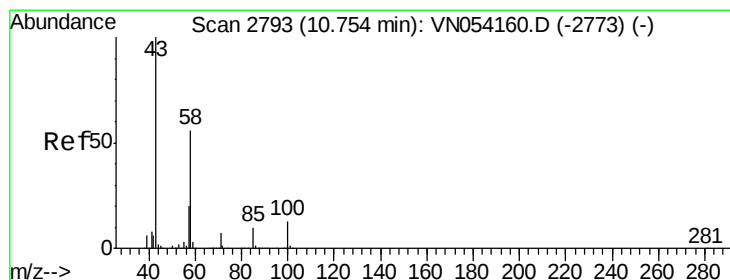
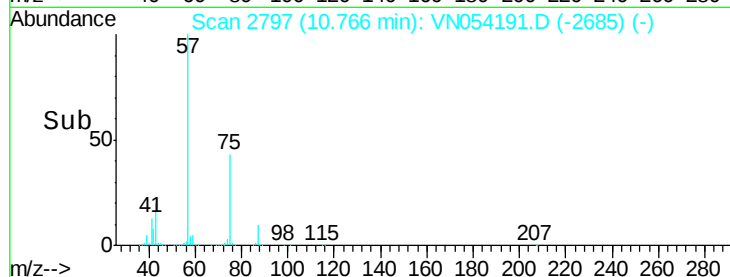
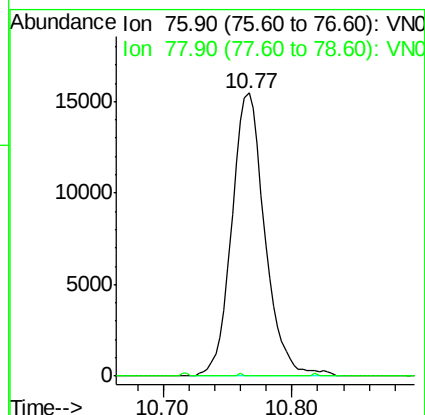
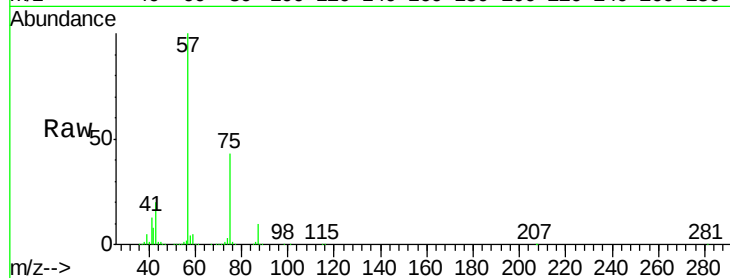
SU-03-031119-A

Tot Ion: 76 Resp: 27597

Ion Ratio Lower Upper

76 100

78 0.1 25.7 38.5#



#59

2-Hexanone

Concen: 46.388 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054191.D

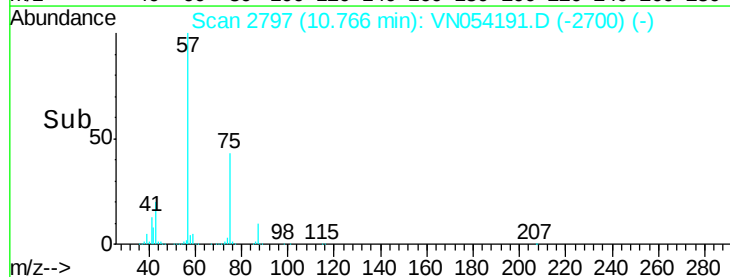
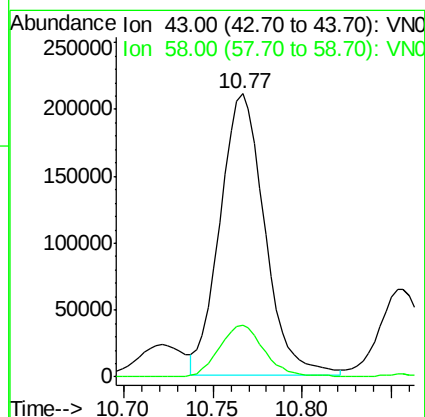
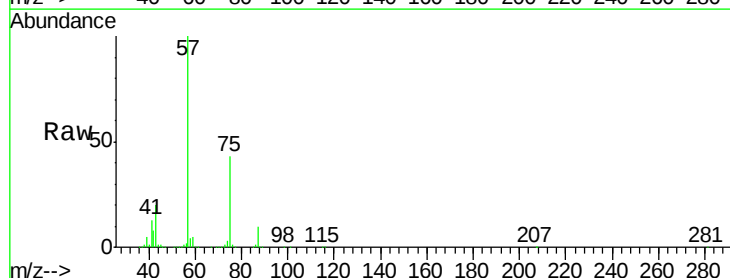
Acq: 13 Mar 2019 4:21

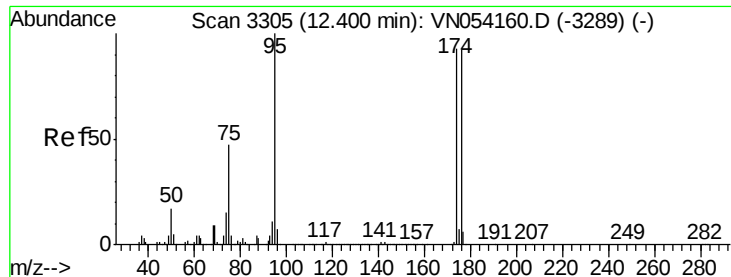
Tgt Ion: 43 Resp: 366341

Ion Ratio Lower Upper

43 100

58 18.8 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 56.548 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-A

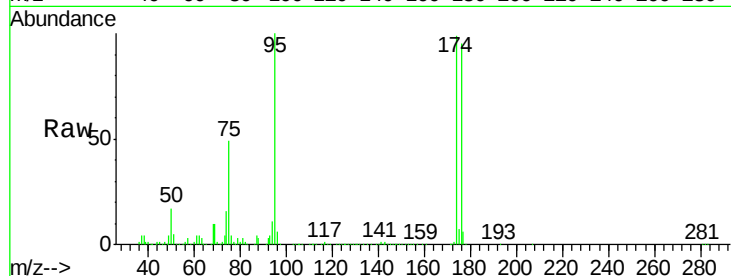
Tot Ion: 95 Resp: 1137999

Ion Ratio Lower Upper

95 100

174 98.0 0.0 191.0

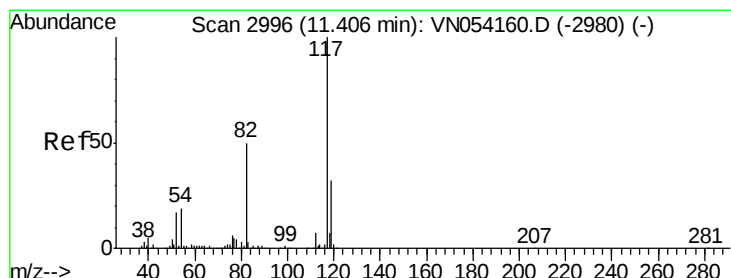
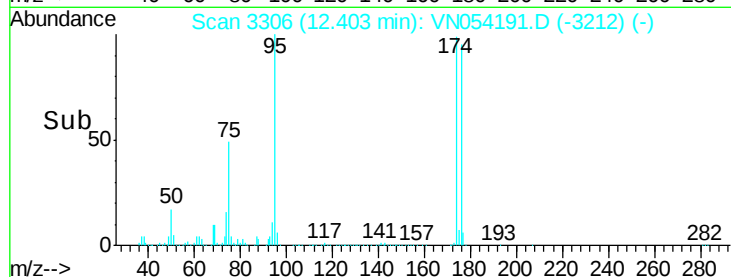
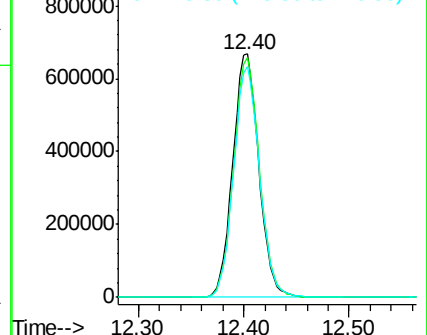
176 94.4 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

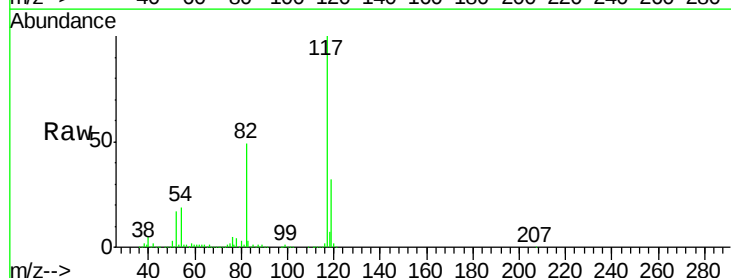
Tgt Ion: 117 Resp: 2506917

Ion Ratio Lower Upper

117 100

82 49.5 40.0 60.0

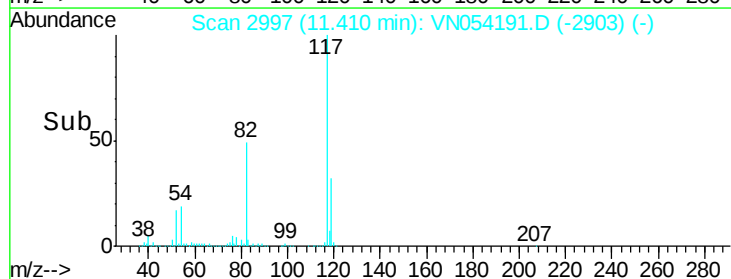
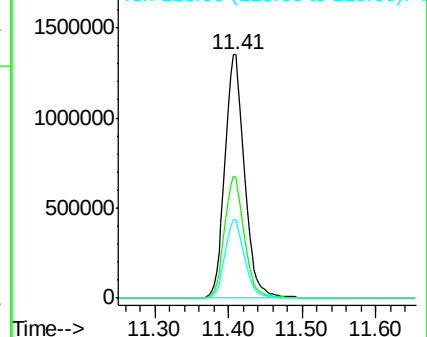
119 32.2 25.8 38.6

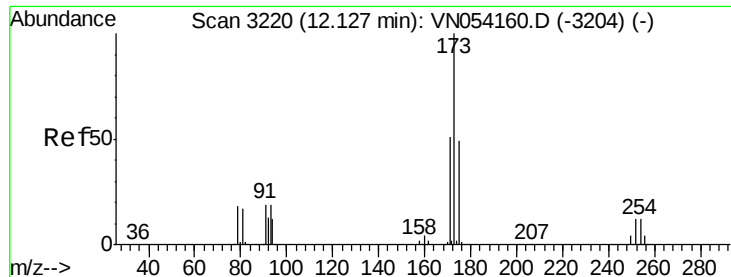


Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)





#71

Bromoform

Concen: 2.836 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-A

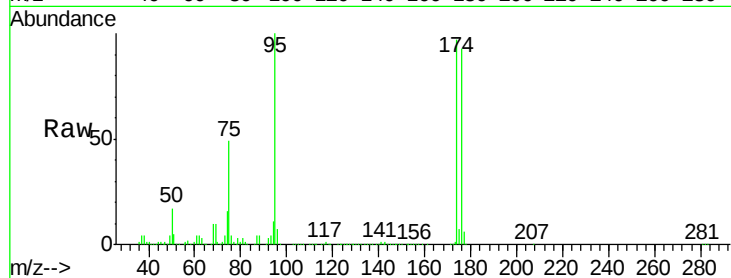
Tot Ion:173 Resp: 7771

Ion Ratio Lower Upper

173 100

175 858.8 24.4 73.2#

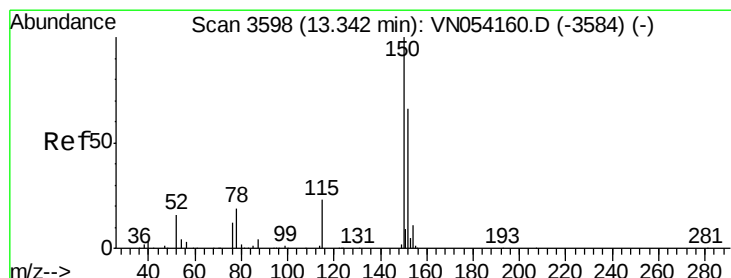
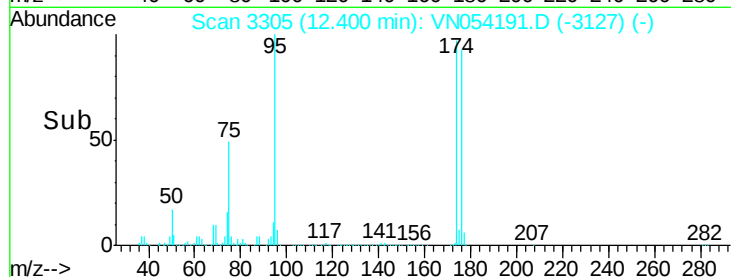
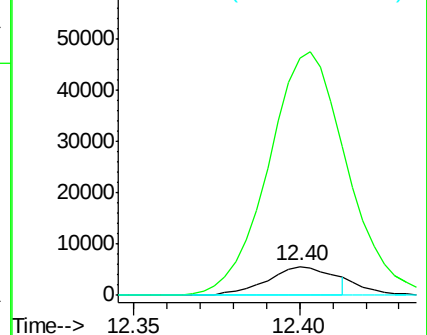
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

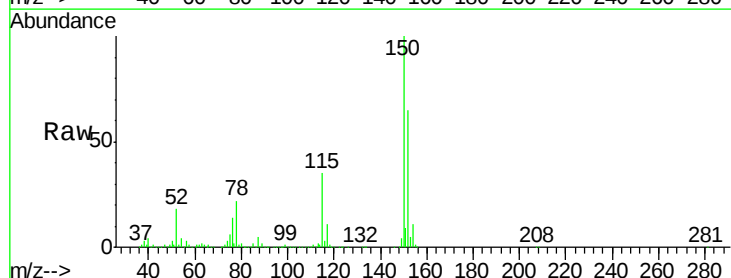
Tgt Ion:152 Resp: 1096977

Ion Ratio Lower Upper

152 100

115 54.4 27.2 81.6

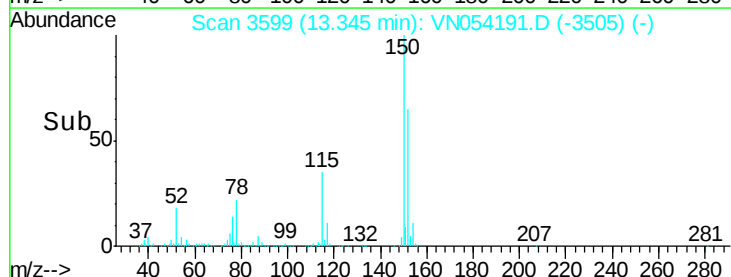
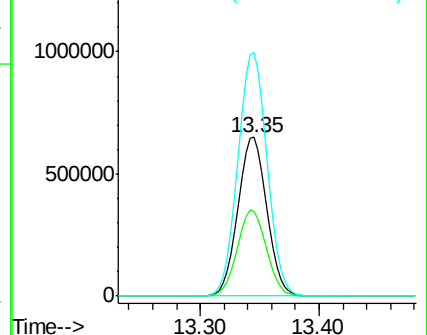
150 154.5 0.0 349.2

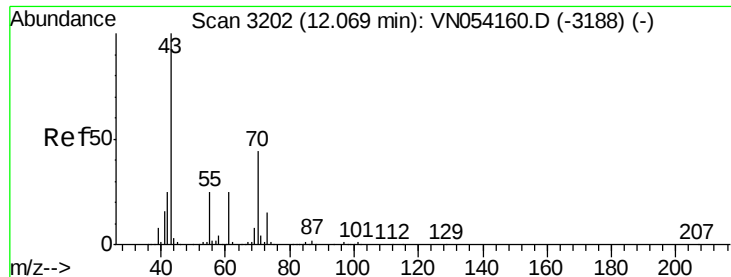


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.941 ug/l

RT: 11.88 min Scan# 3143

Delta R.T. -0.19 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-A

Tot Ion: 43 Resp: 37817

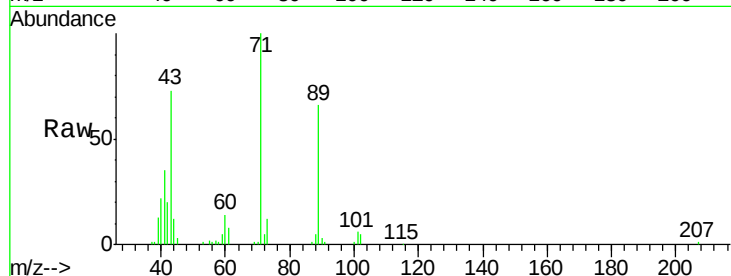
Ion Ratio Lower Upper

43 100

70 2.4 35.4 53.0#

55 2.8 19.8 29.6#

61 11.2 19.8 29.6#

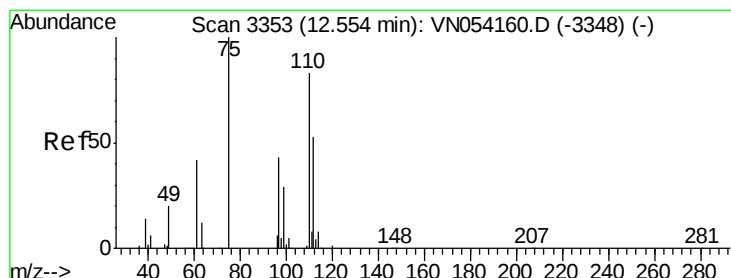
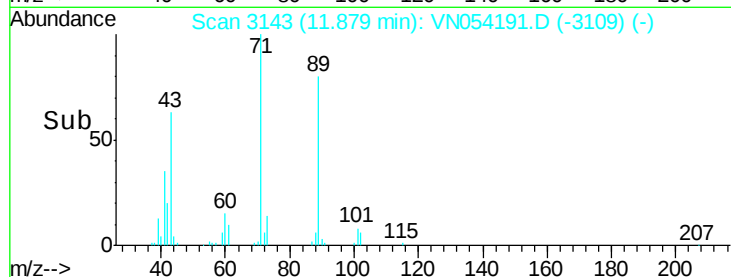
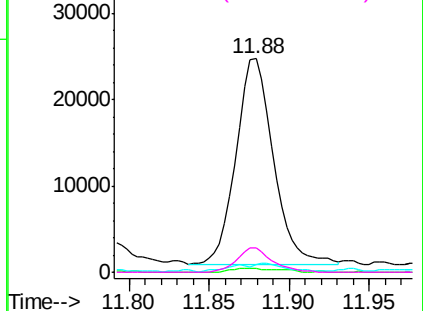


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 34.180 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054191.D

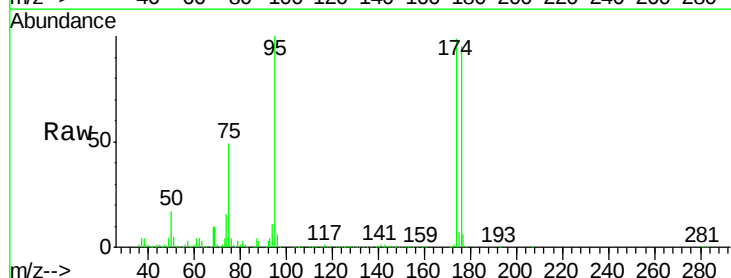
Acq: 13 Mar 2019 4:21

Tgt Ion: 75 Resp: 551378

Ion Ratio Lower Upper

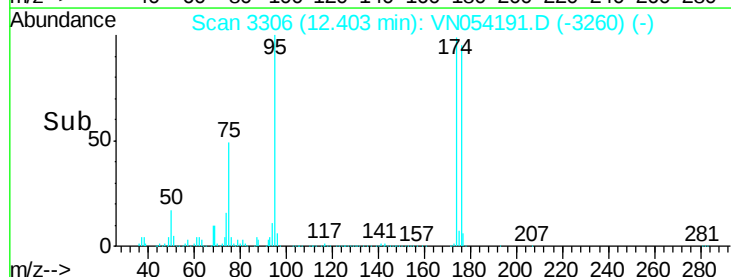
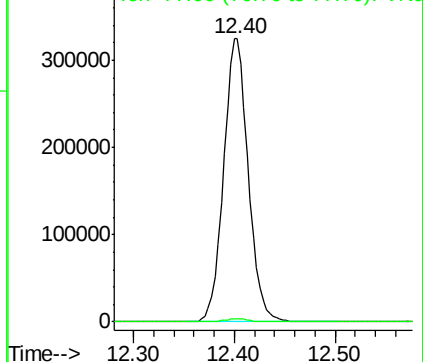
75 100

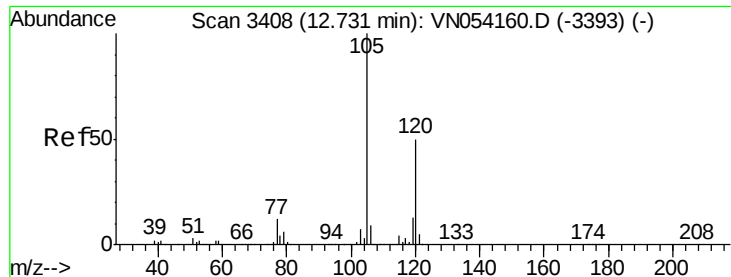
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#80

1,3,5-Trimethylbenzene

Concen: 0.222 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampled :

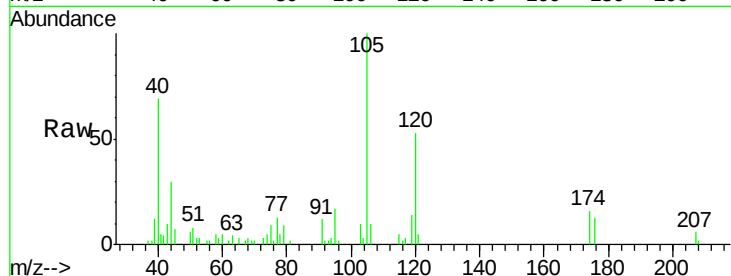
SU-03-031119-A

Tot Ion:105 Resp: 16200

Ion Ratio Lower Upper

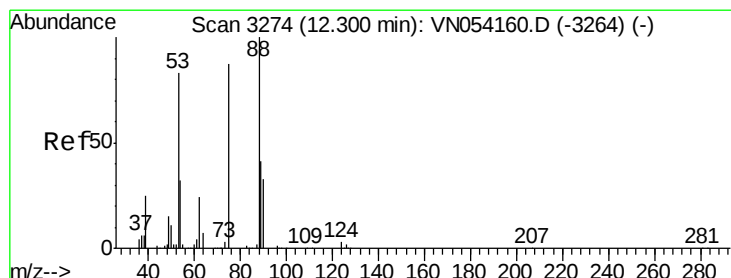
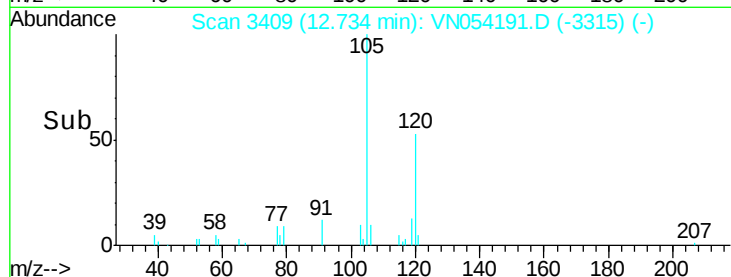
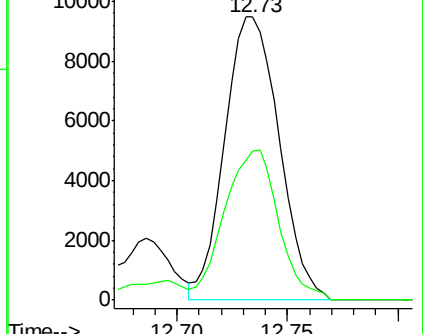
105 100

120 52.6 25.0 75.0



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: 116.843 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

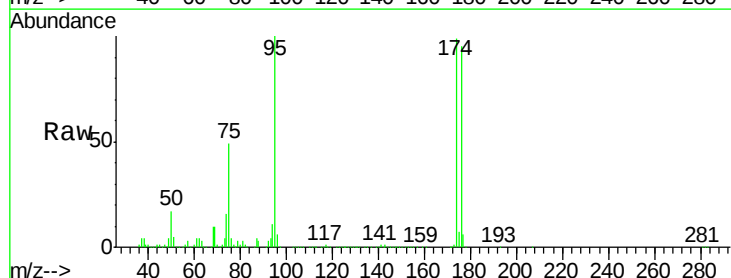
Tgt Ion: 75 Resp: 551378

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

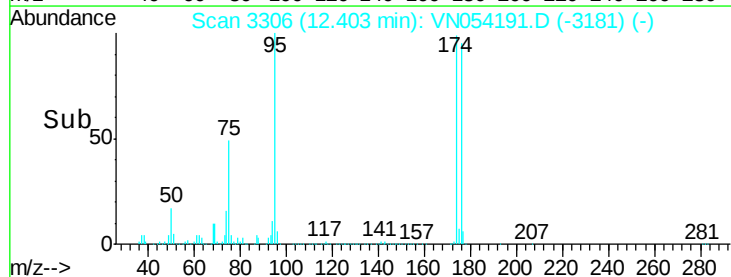
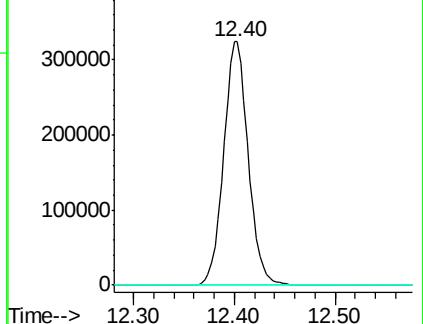
89 0.0 39.2 58.8#

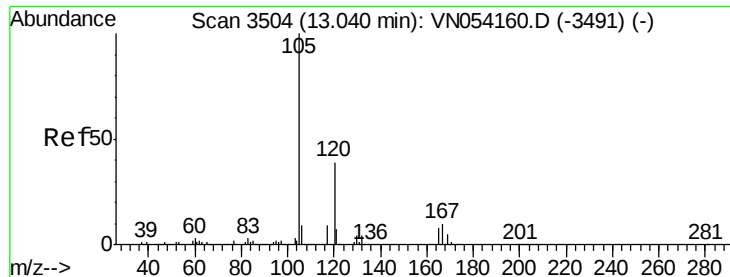


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.225 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

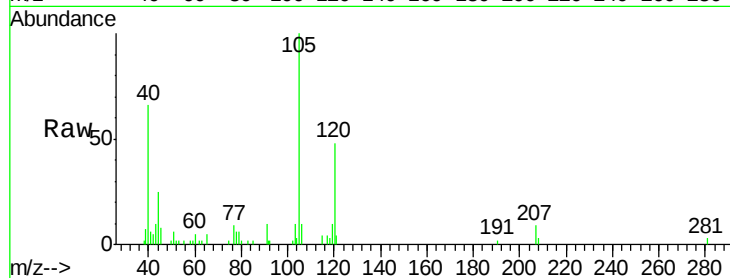
SU-03-031119-A

Tot Ion:105 Resp: 16103

Ion Ratio Lower Upper

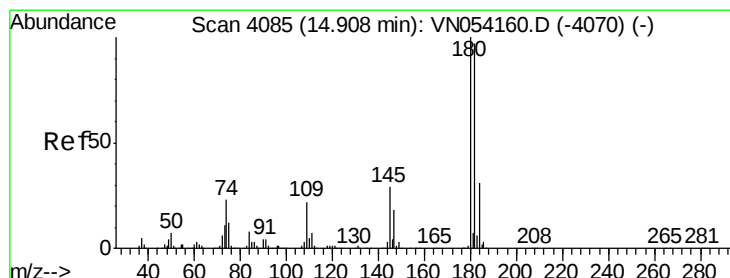
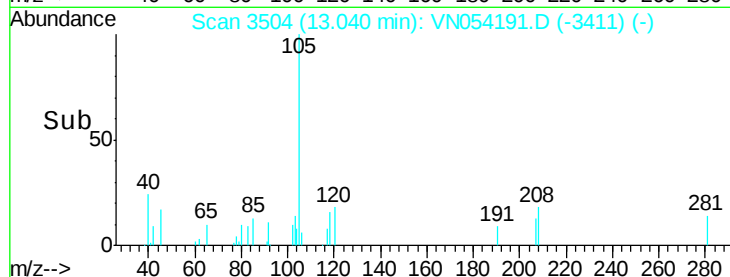
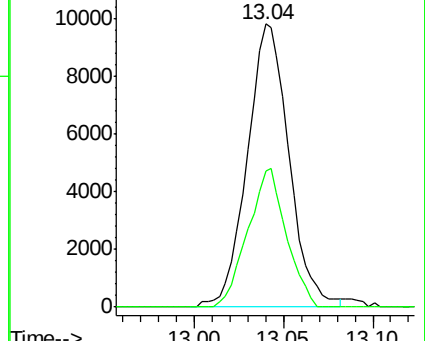
105 100

120 45.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#93

1,2,4-Trichlorobenzene

Concen: 2.571 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

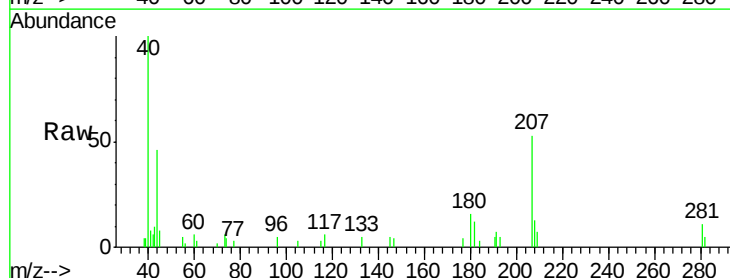
Tgt Ion:180 Resp: 1321

Ion Ratio Lower Upper

180 100

182 72.7 48.0 144.2

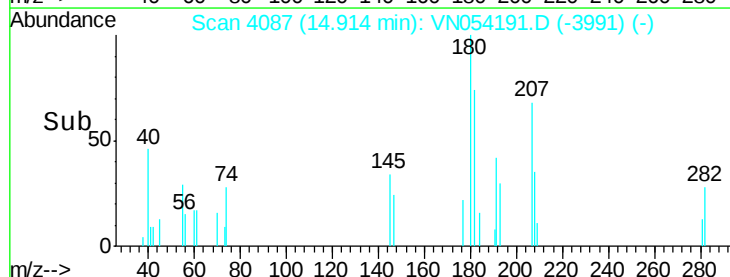
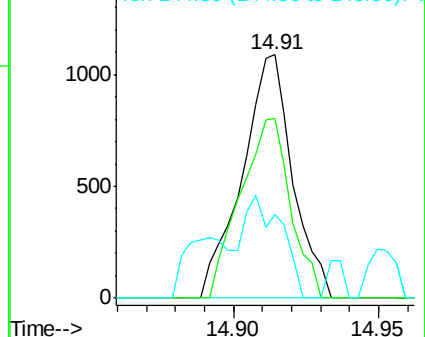
145 33.0 14.2 42.8

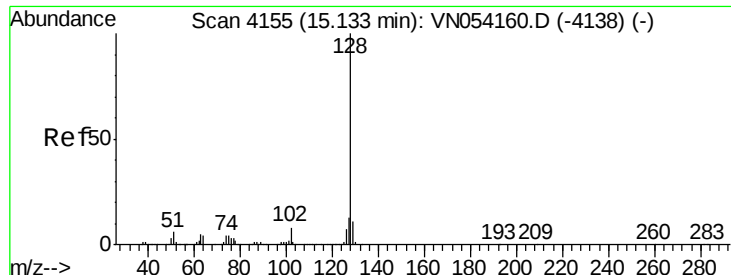


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.716 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054191.D

Acq: 13 Mar 2019 4:21

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-A

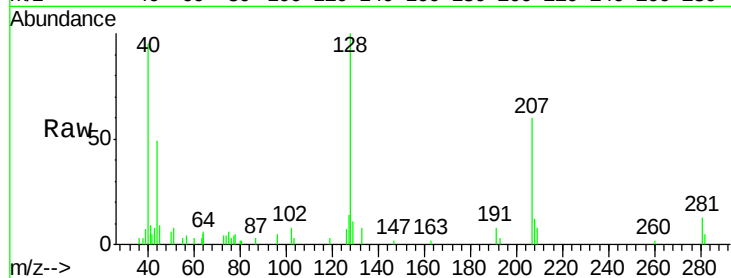
Tot Ion:128 Resp: 12709

Ion Ratio Lower Upper

128 100

127 11.6 10.1 15.1

129 9.7 8.7 13.1



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

