

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054192.D
 Acq On : 13 Mar 2019 4:48
 Operator : JC/SP
 Sample : K1697-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

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

Quant Time: Mar 13 07:36:15 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	1482178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2425465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2487767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1090180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	794374	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	7.59	113	750460	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.09	98	2990562	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.40	95	1133848	56.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.18%	

Target Compounds

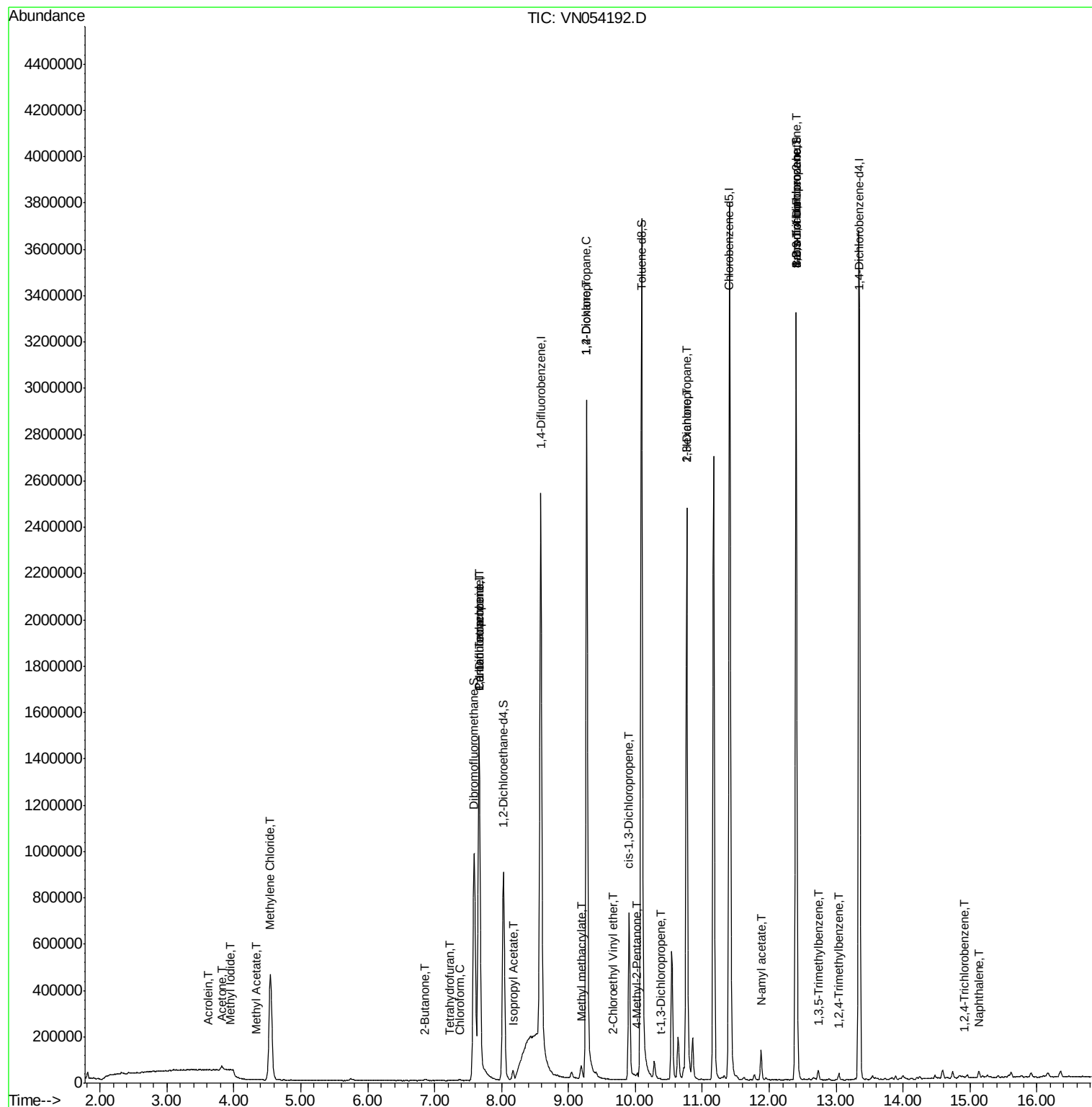
						Qvalue
10) Methyl Iodide	3.94	142	31	1.498	ug/l #	1
13) Acrolein	3.61	56	445	0.435	ug/l #	14
16) Acetone	3.82	43	25187	5.588	ug/l	96
18) Methyl Acetate	4.33	43	3052	0.335	ug/l #	88
20) Methylene Chloride	4.54	84	362596	24.502	ug/l	98
25) 2-Butanone	6.86	43	2687	0.508	ug/l	96
29) Tetrahydrofuran	7.23	42	1469	0.432	ug/l #	77
30) Chloroform	7.37	83	6286	0.238	ug/l	99
31) Cyclohexane	7.66	56	22601	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	84465	3.781	ug/l #	48
38) Carbon Tetrachloride	7.66	117	119939	5.120	ug/l #	16
43) Isopropyl Acetate	8.17	43	48368	2.147	ug/l	95
45) 1,2-Dichloropropane	9.27	63	4158	0.262	ug/l #	43
48) Methyl methacrylate	9.18	41	17408	1.523	ug/l #	11
49) 1,4-Dioxane	9.28	88	659	4.075	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	15340	1.287	ug/l #	36
53) t-1,3-Dichloropropene	10.39	75	269	1.996	ug/l #	3
54) cis-1,3-Dichloropropene	9.90	75	151677	6.054	ug/l #	60
57) 1,3-Dichloropropane	10.77	76	28454	1.176	ug/l #	44
58) 2-Chloroethyl Vinyl ether	9.66	63	33	16.832	ug/l #	44
59) 2-Hexanone	10.77	43	375603	47.349	ug/l #	49
71) Bromoform	12.40	173	6818	2.780	ug/l #	1
74) N-ethyl acetate	11.88	43	37890	1.957	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	549955	34.304	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	19456	0.268	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	549955	117.268	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	17035	0.239	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	1175	2.565	ug/l #	76
95) Naphthalene	15.13	128	24795	3.952	ug/l	100

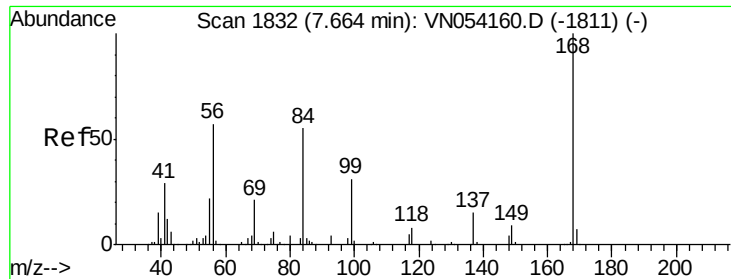
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

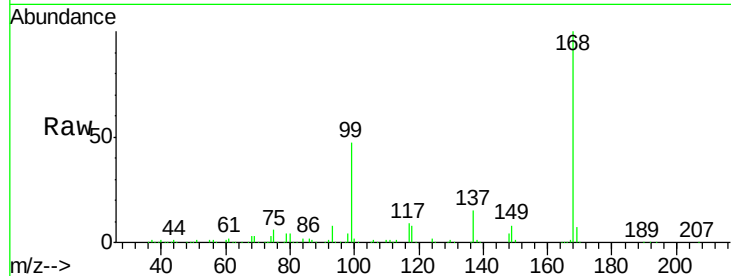
SU-03-031119-B

Tot Ion:168 Resp: 1482178

Ion Ratio Lower Upper

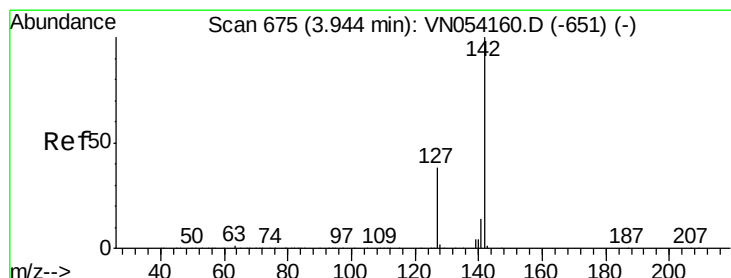
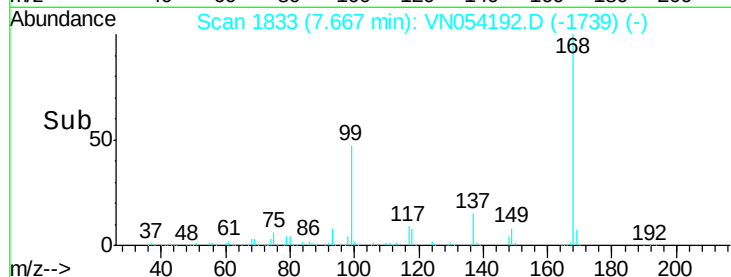
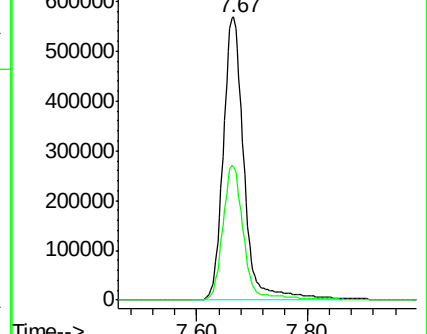
168 100

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



#10

Methyl Iodide

Concen: 1.498 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

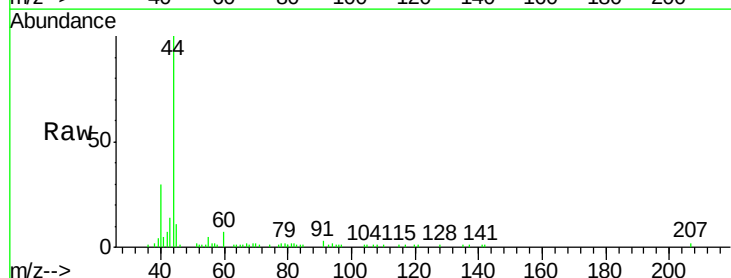
Tgt Ion:142 Resp: 31

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

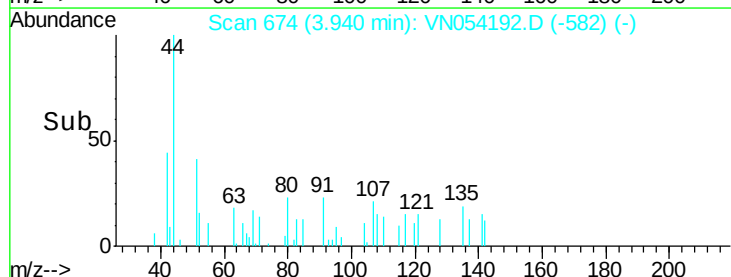
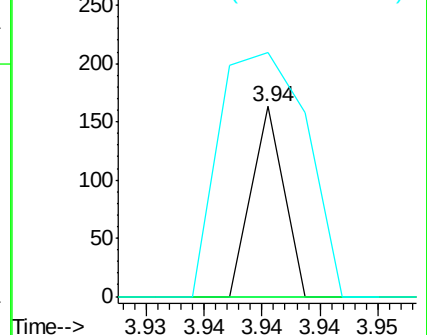
141 351.6 11.2 16.8#

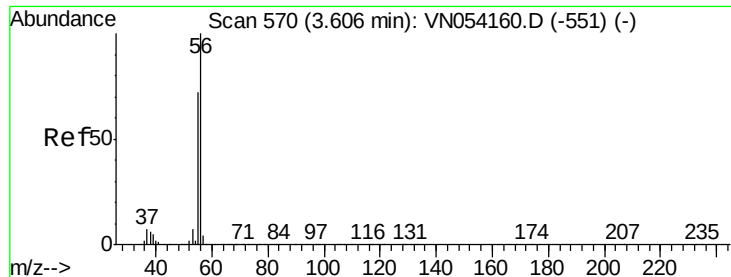


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.435 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

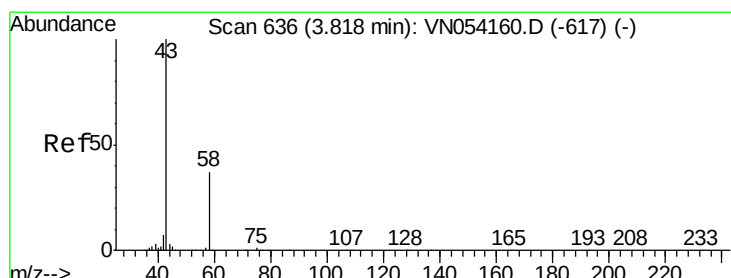
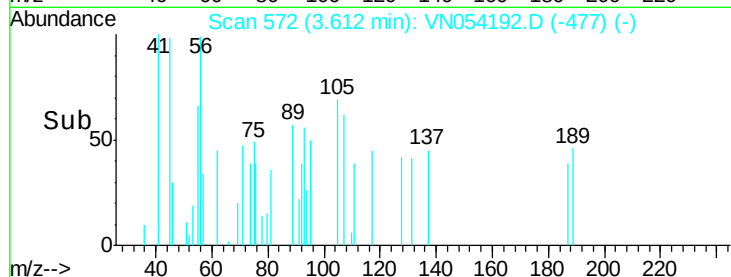
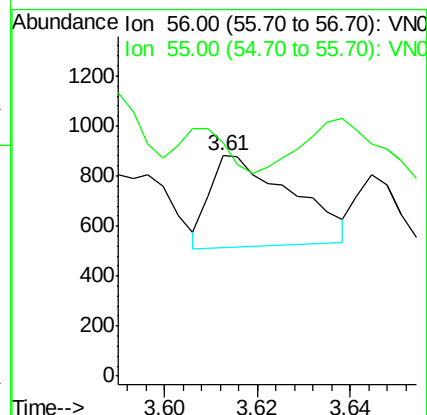
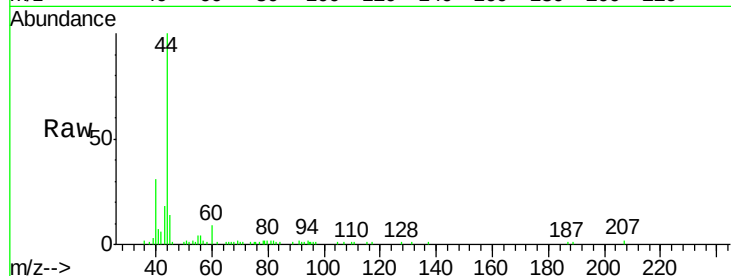
SU-03-031119-B

Tot Ion: 56 Resp: 445

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 5.588 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054192.D

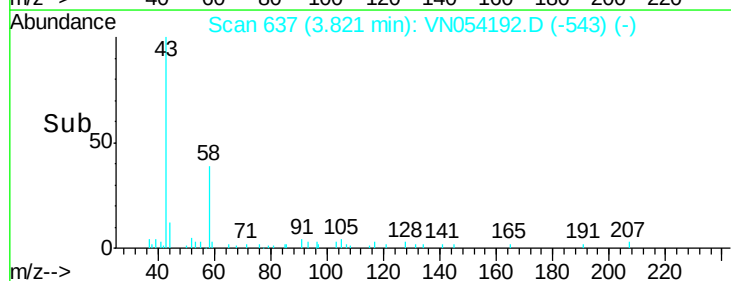
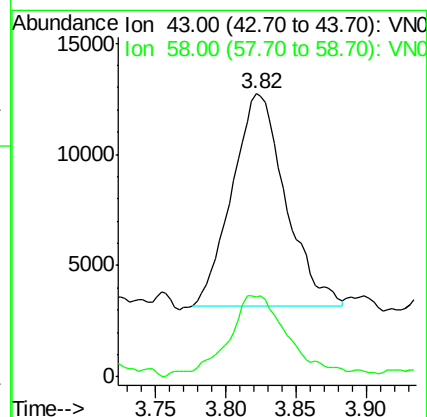
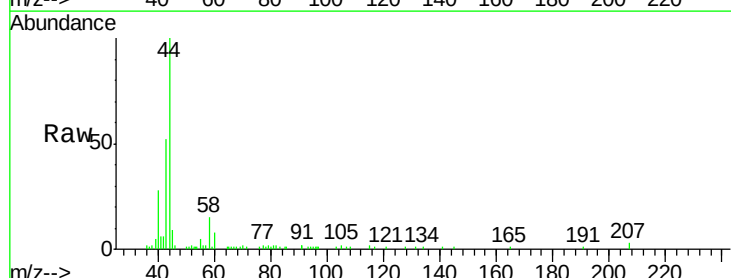
Acq: 13 Mar 2019 4:48

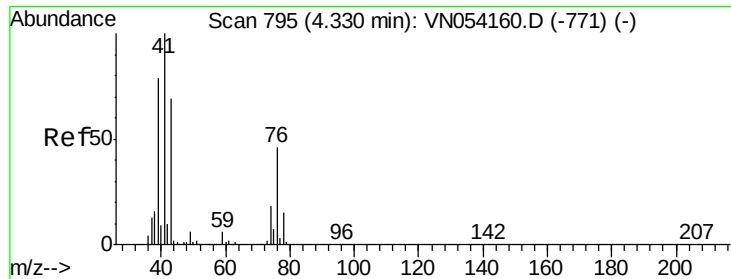
Tgt Ion: 43 Resp: 25187

Ion Ratio Lower Upper

43 100

58 35.0 29.9 44.9

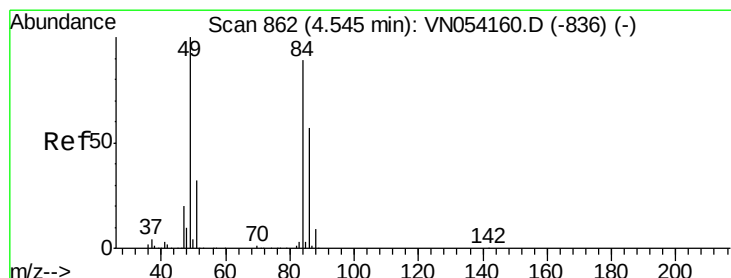
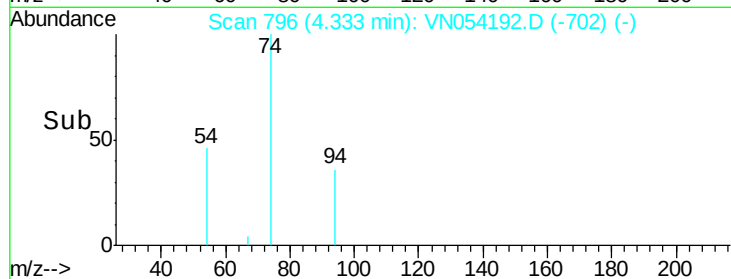
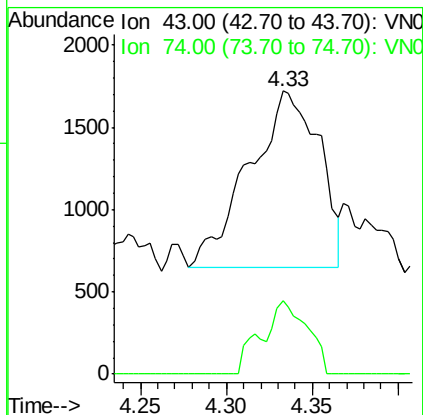
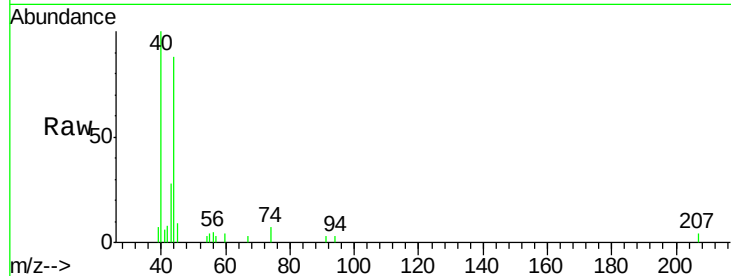




#18
Methyl Acetate
Concen: 0.335 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054192.D
Acq: 13 Mar 2019 4:48

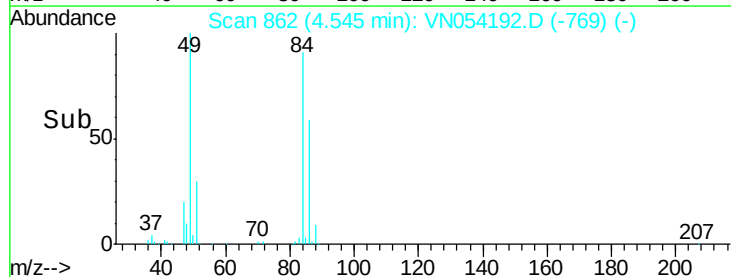
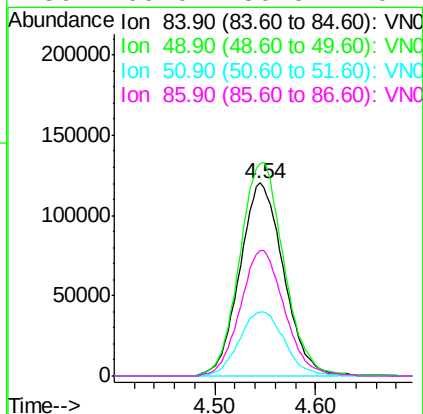
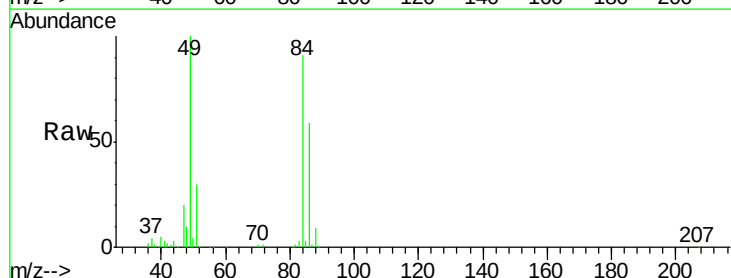
Instrument :
MSVOA_N
ClientSampleId :
SU-03-031119-B

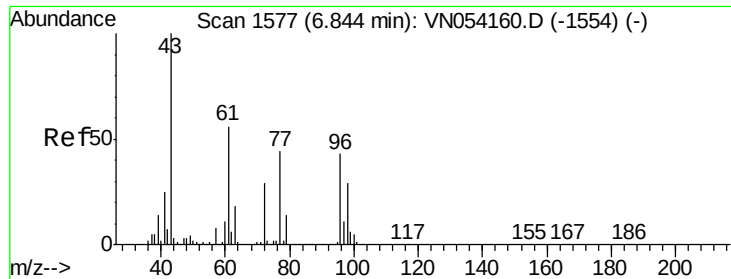
Tot Ion: 43 Resp: 3052
Ion Ratio Lower Upper
43 100
74 20.1 20.8 31.2#



#20
Methylene Chloride
Concen: 24.502 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054192.D
Acq: 13 Mar 2019 4:48

Tgt Ion: 84 Resp: 362596
Ion Ratio Lower Upper
84 100
49 110.4 89.7 134.5
51 33.0 28.2 42.4
86 65.0 50.8 76.2

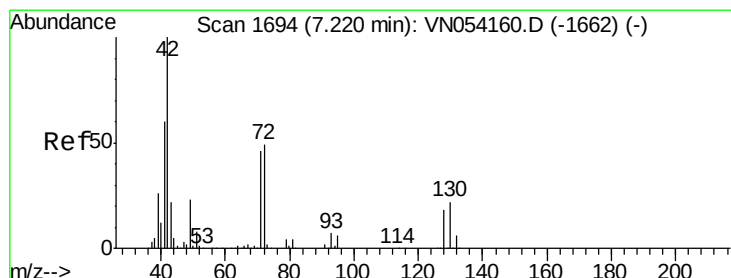
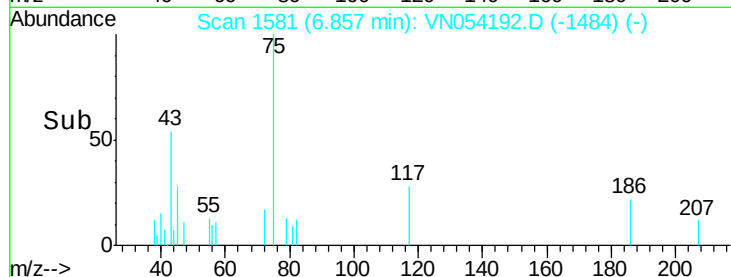
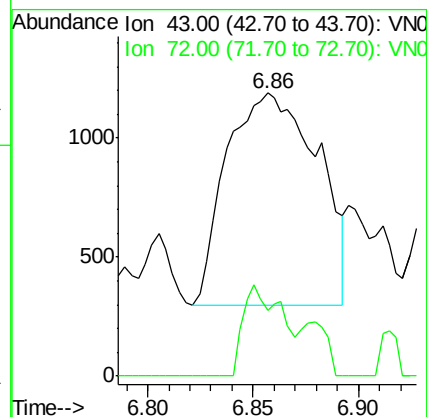
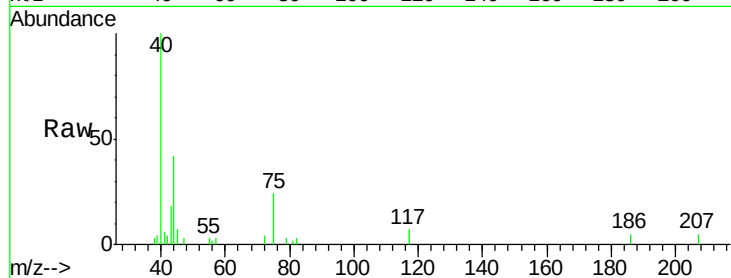




#25
2-Butanone
Concen: 0.508 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054192.D
Acq: 13 Mar 2019 4:48

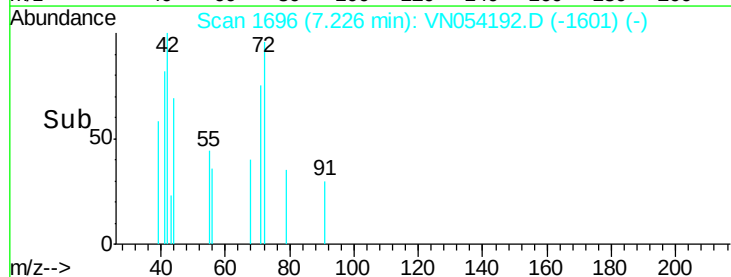
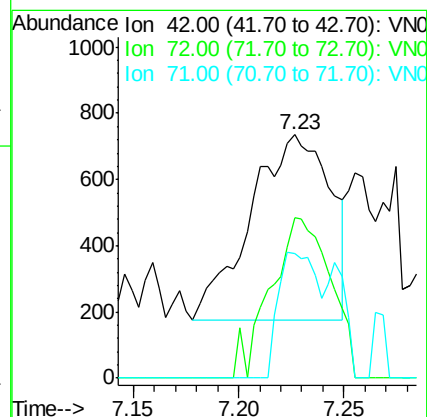
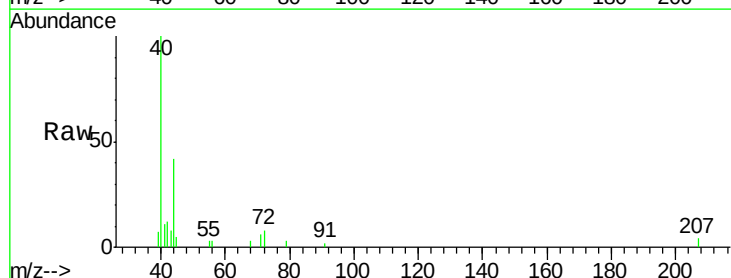
Instrument :
MSVOA_N
ClientSampled :
SU-03-031119-B

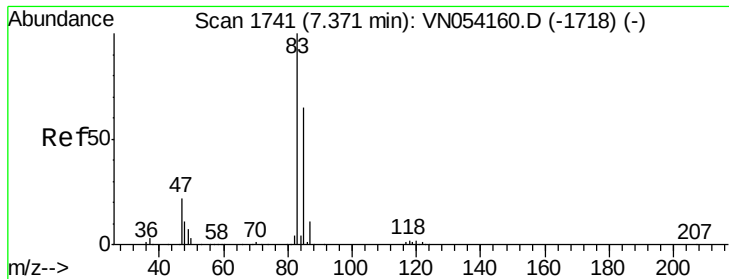
Tot Ion: 43 Resp: 2687
Ion Ratio Lower Upper
43 100
72 30.9 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.432 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN054192.D
Acq: 13 Mar 2019 4:48

Tgt Ion: 42 Resp: 1469
Ion Ratio Lower Upper
42 100
72 65.2 37.8 56.6#
71 33.1 36.2 54.2#

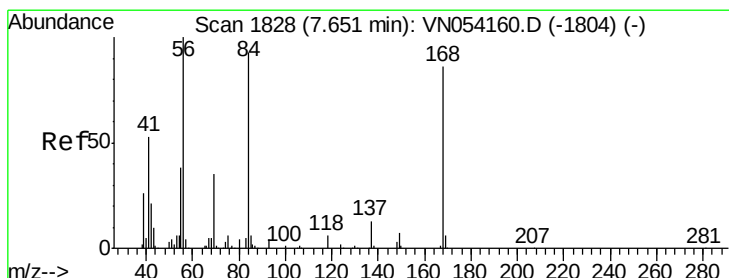
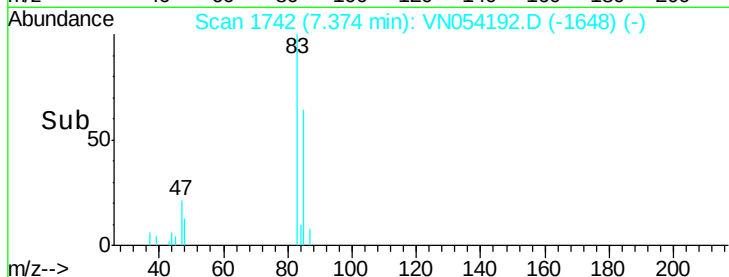
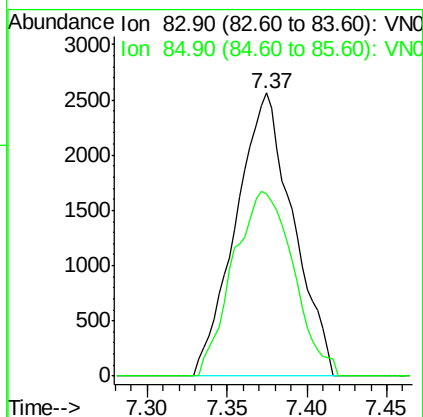
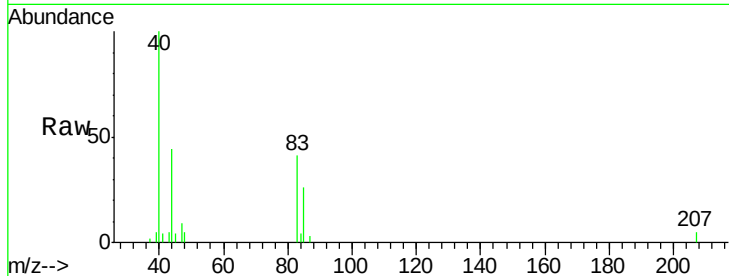




#30
Chloroform
Concen: 0.238 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054192.D
Acq: 13 Mar 2019 4:48

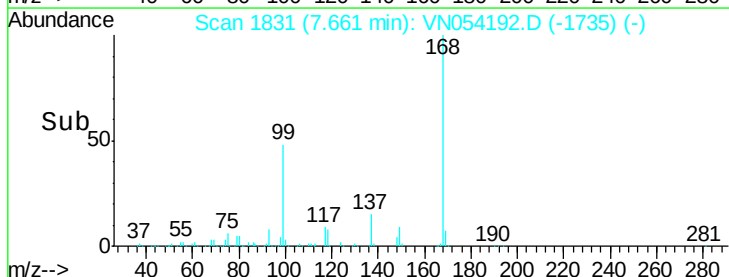
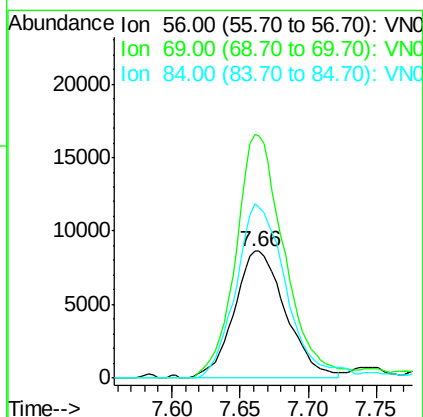
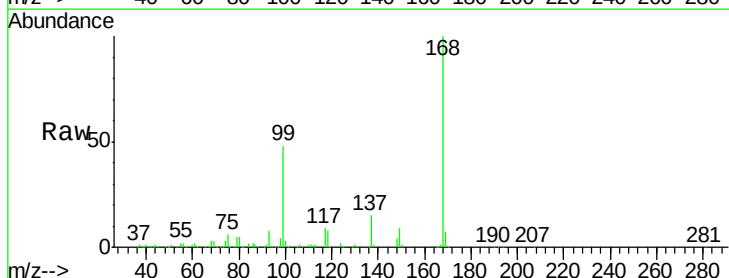
Instrument :
MSVOA_N
ClientSampleId :
SU-03-031119-B

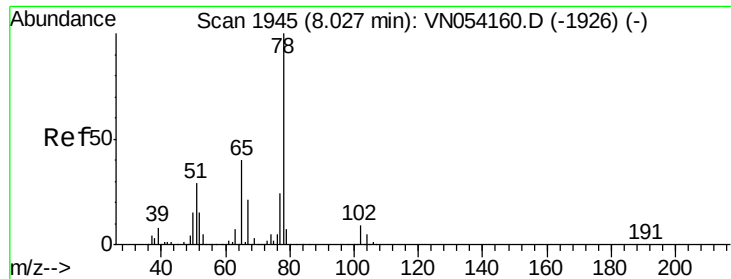
Tot Ion: 83 Resp: 6286
Ion Ratio Lower Upper
83 100
85 64.4 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054192.D
Acq: 13 Mar 2019 4:48

Tgt Ion: 56 Resp: 22601
Ion Ratio Lower Upper
56 100
69 191.9 27.8 41.6#
84 137.3 74.6 111.8#

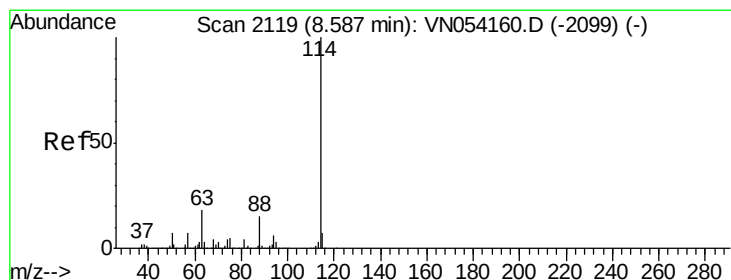
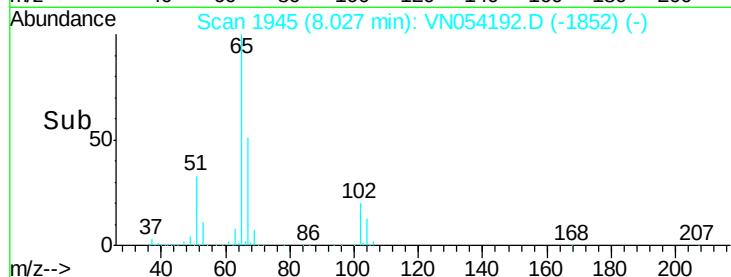
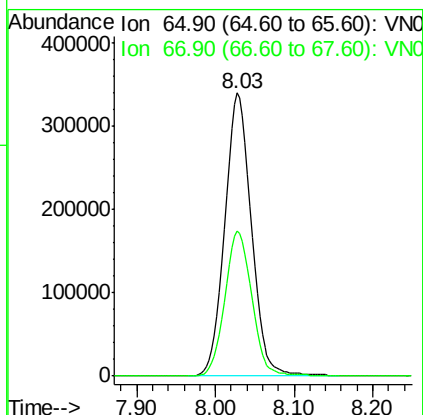
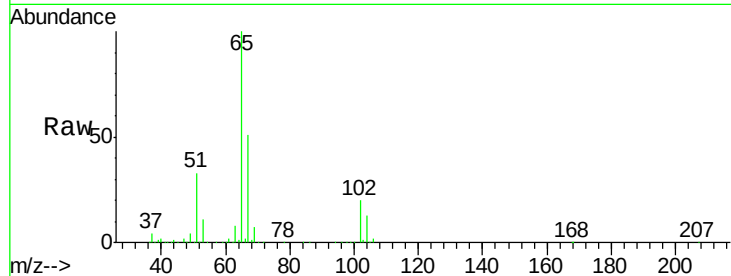




#33
 1,2-Dichloroethane-d4
 Concen: 50.466 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054192.D
 Acq: 13 Mar 2019 4:48

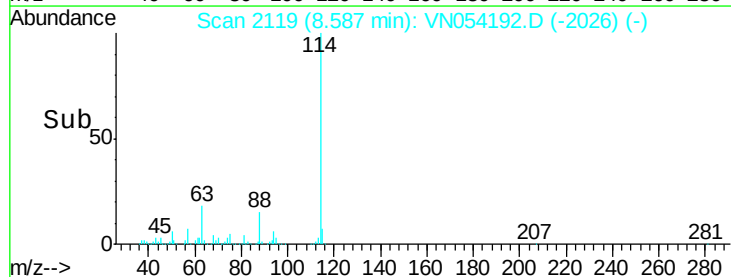
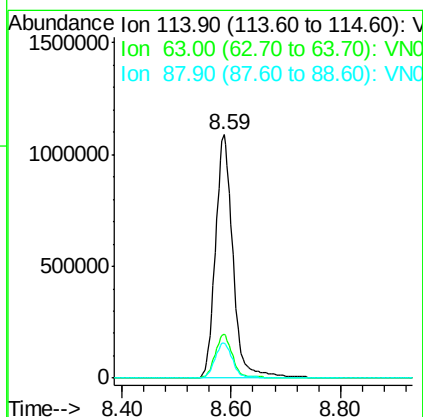
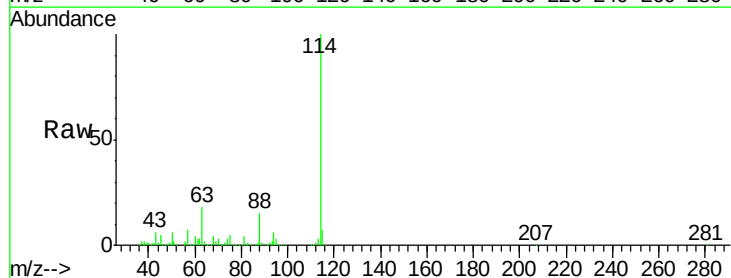
Instrument :
 MSVOA_N
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 SU-03-031119-B

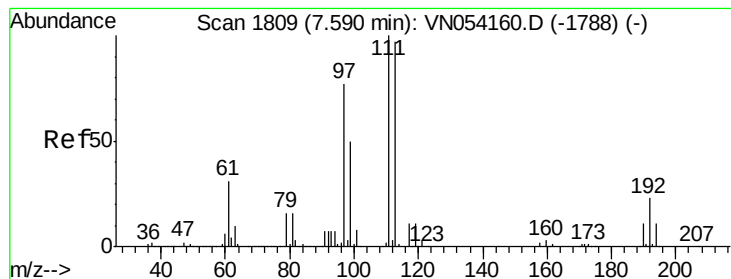
Tot Ion: 65 Resp: 794374
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054192.D
 Acq: 13 Mar 2019 4:48

Tgt Ion: 114 Resp: 2425465
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.2
 88 14.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.973 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-B

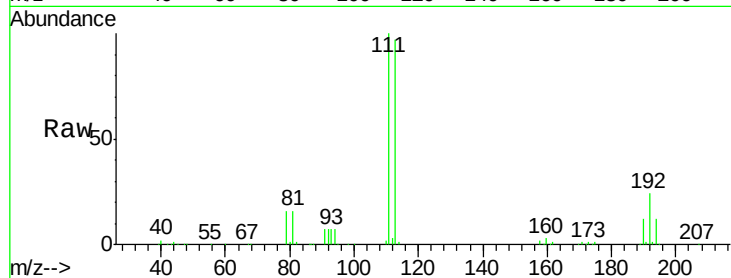
Tot Ion:113 Resp: 750460

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

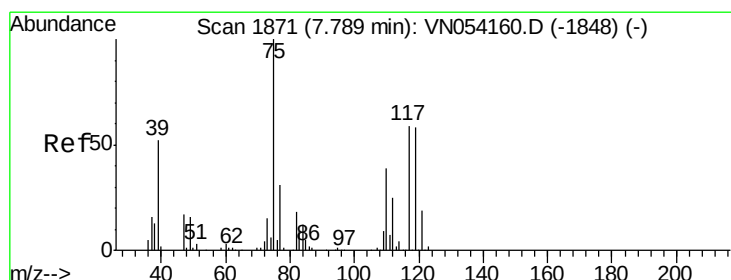
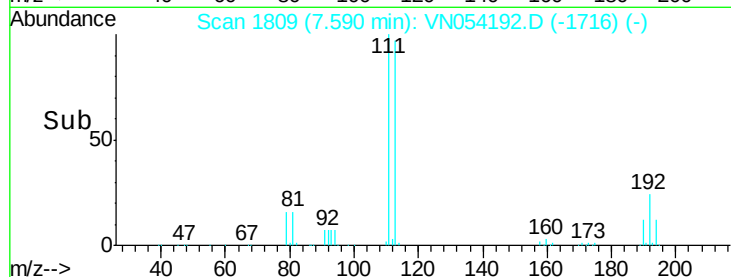
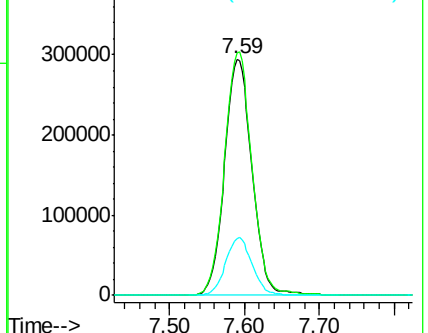
192 23.8 19.2 28.8



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: 3.781 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

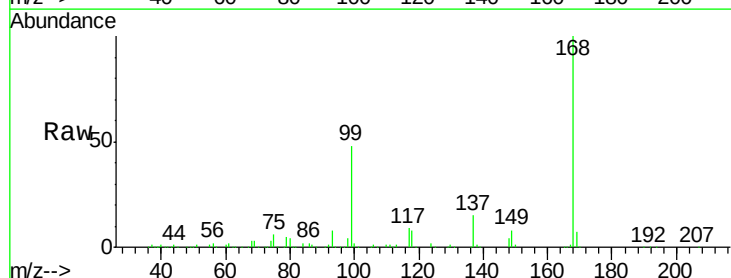
Tgt Ion: 75 Resp: 84465

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.5#

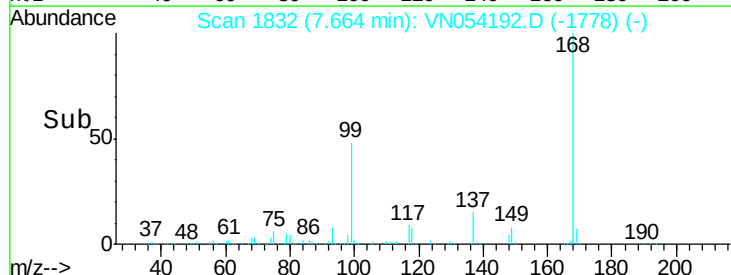
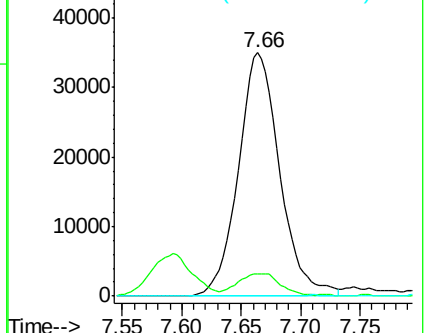
77 0.0 25.0 37.4#

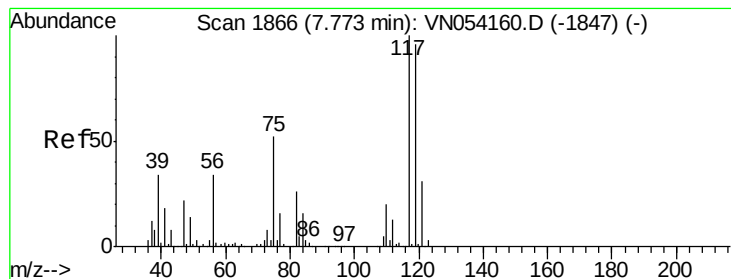


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.120 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-B

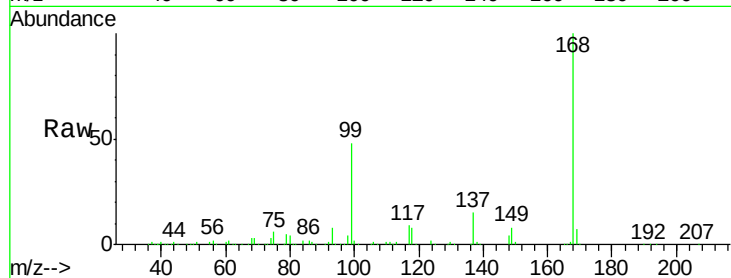
Tot Ion:117 Resp: 119939

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

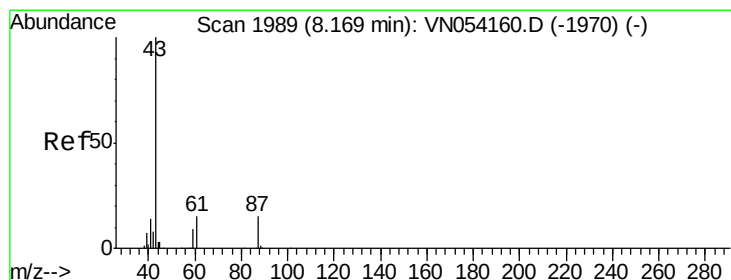
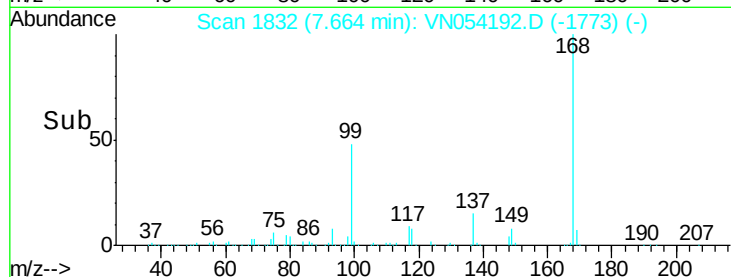
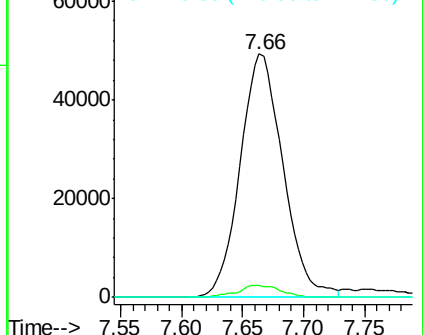
121 0.0 24.6 36.8#



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: 2.147 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

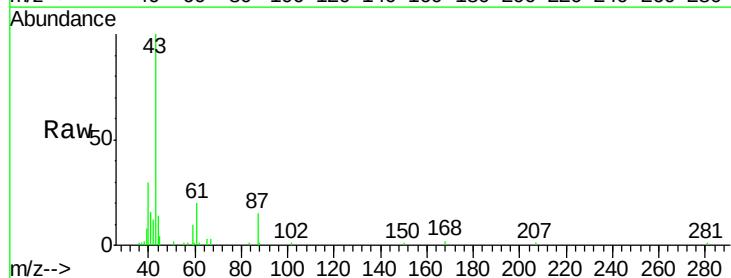
Tgt Ion: 43 Resp: 48368

Ion Ratio Lower Upper

43 100

61 22.7 15.8 23.8

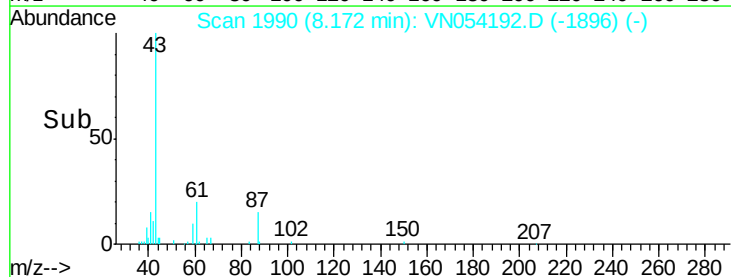
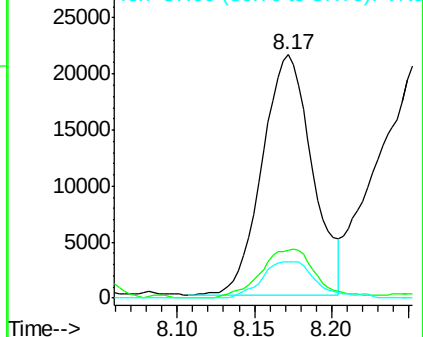
87 16.0 12.0 18.0

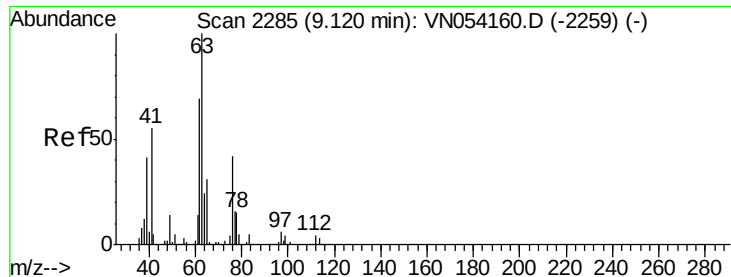


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

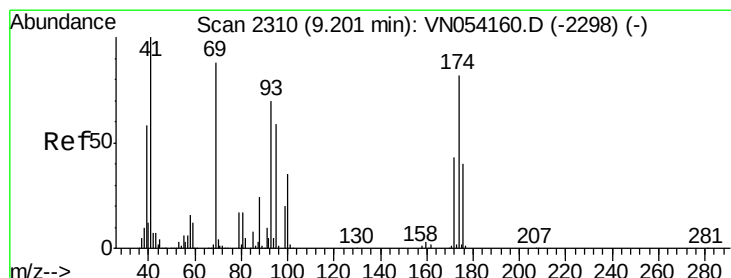
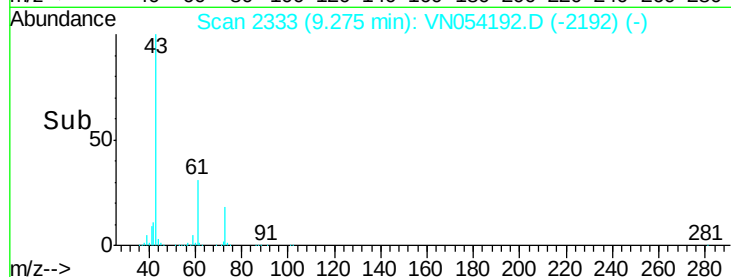
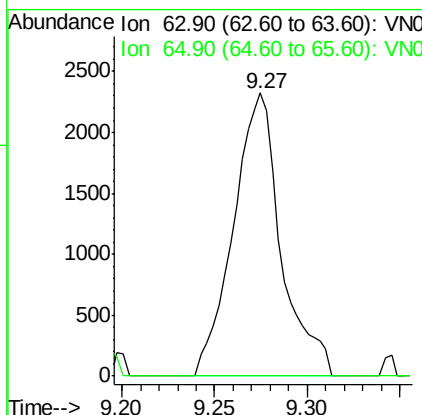
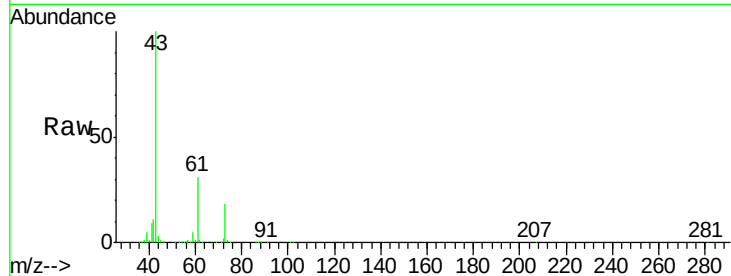




#45
 1,2-Dichloropropane
 Concen: 0.262 ug/l
 RT: 9.27 min Scan# 2333
 Delta R.T. 0.15 min
 Lab File: VN054192.D
 Acq: 13 Mar 2019 4:48

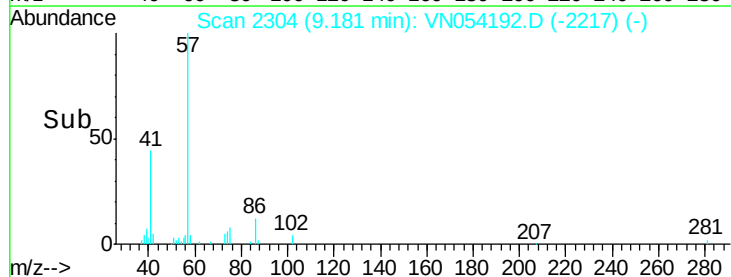
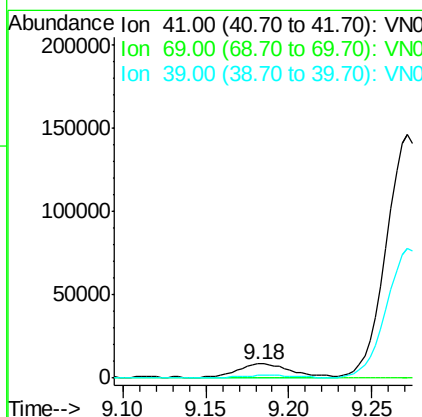
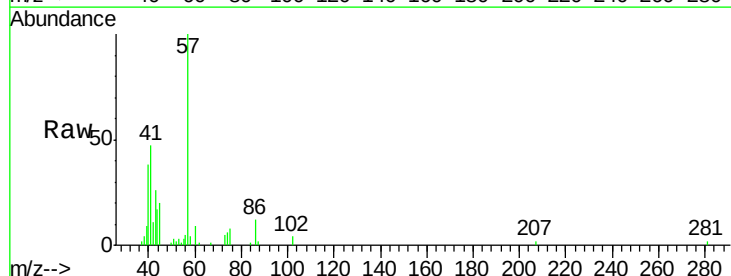
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-03-031119-B

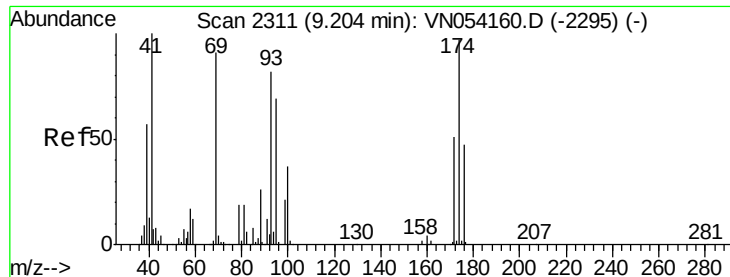
Tot Ion: 63 Resp: 4158
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.523 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN054192.D
 Acq: 13 Mar 2019 4:48

Tgt Ion: 41 Resp: 17408
 Ion Ratio Lower Upper
 41 100
 69 0.6 72.6 108.8#
 39 0.0 47.5 71.3#





#49

1,4-Dioxane

Concen: 4.075 ug/l

RT: 9.28 min Scan# 2334

Delta R.T. 0.07 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-B

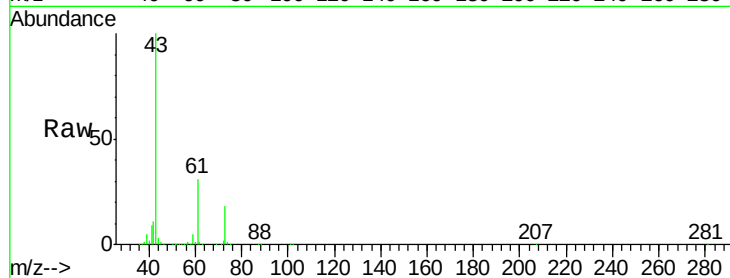
Tot Ion: 88 Resp: 659

Ion Ratio Lower Upper

88 100

43 465075.7 24.1 36.1#

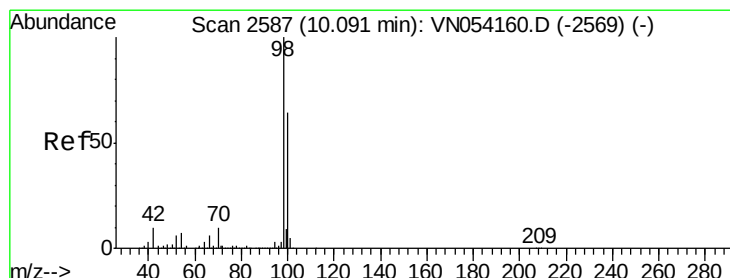
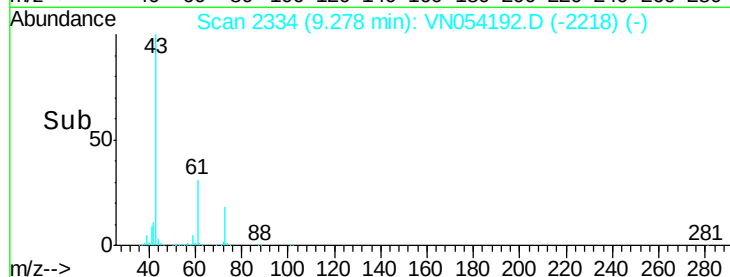
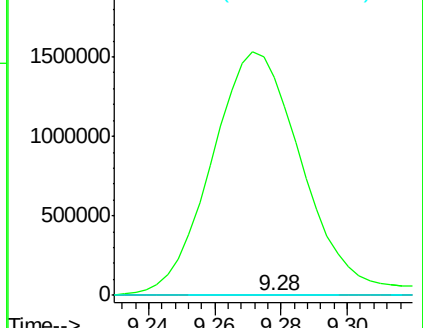
58 1920.3 50.8 76.2#



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



#50

Toluene-d8

Concen: 51.764 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054192.D

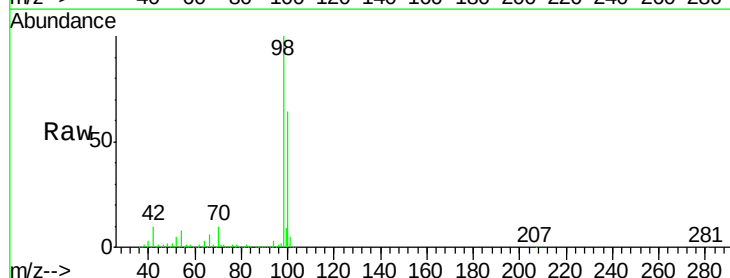
Acq: 13 Mar 2019 4:48

Tgt Ion: 98 Resp: 2990562

Ion Ratio Lower Upper

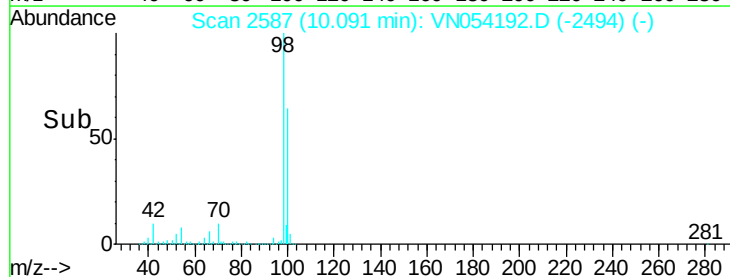
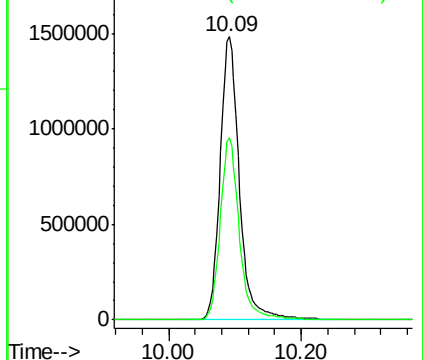
98 100

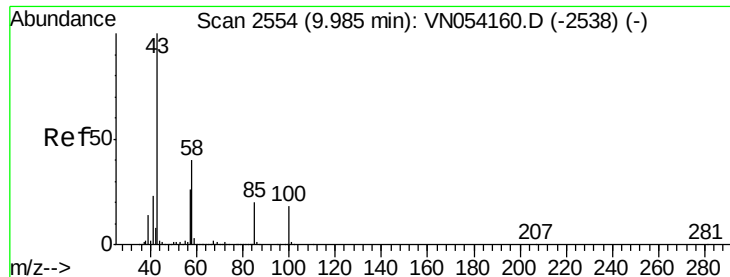
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.287 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

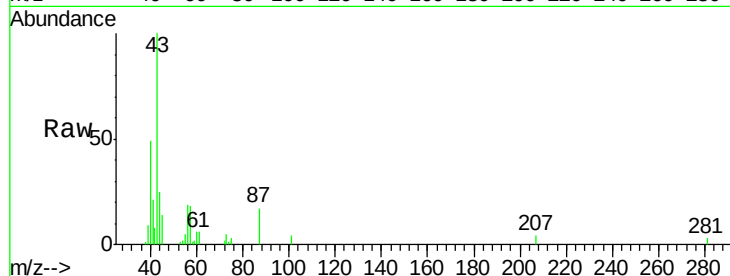
SU-03-031119-B

Tot Ion: 43 Resp: 15340

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



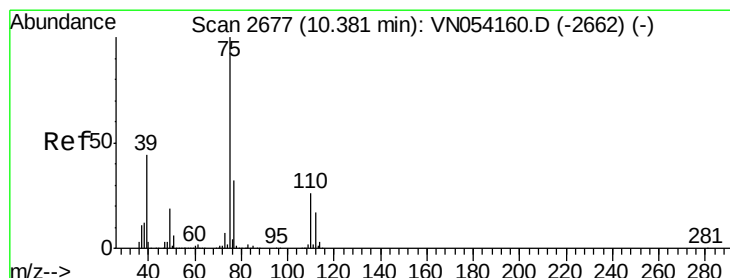
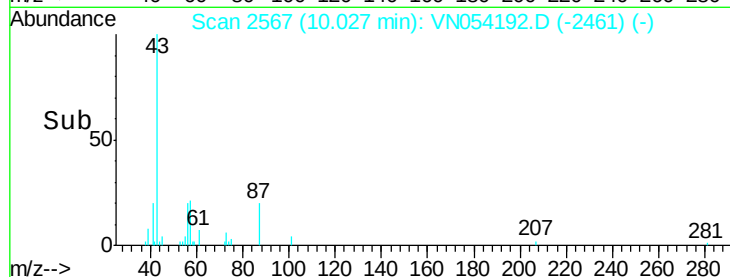
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.03

10.05

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.996 ug/l

RT: 10.39 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VN054192.D

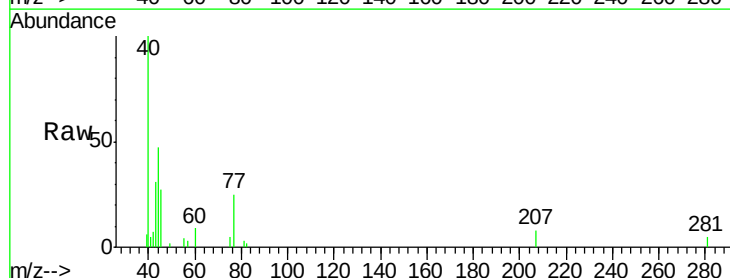
Acq: 13 Mar 2019 4:48

Tgt Ion: 75 Resp: 269

Ion Ratio Lower Upper

75 100

77 86.9 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

2000

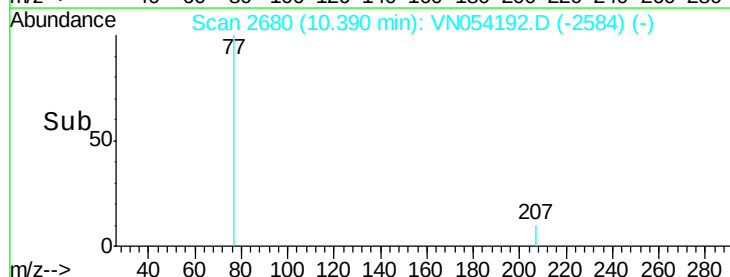
1500

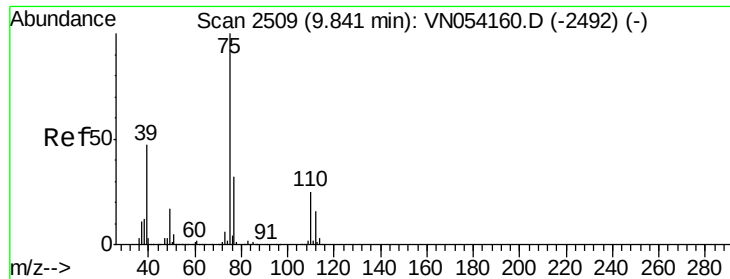
1000

500

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.054 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-B

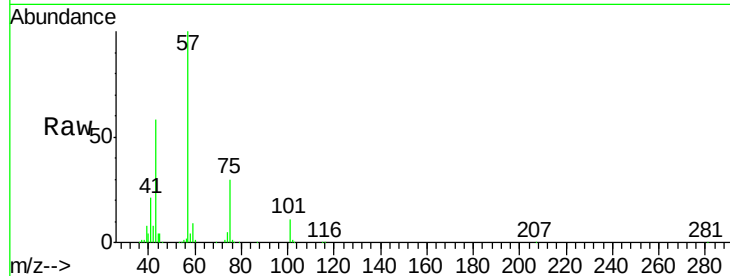
Tot Ion: 75 Resp: 151677

Ion Ratio Lower Upper

75 100

77 0.8 25.4 38.0#

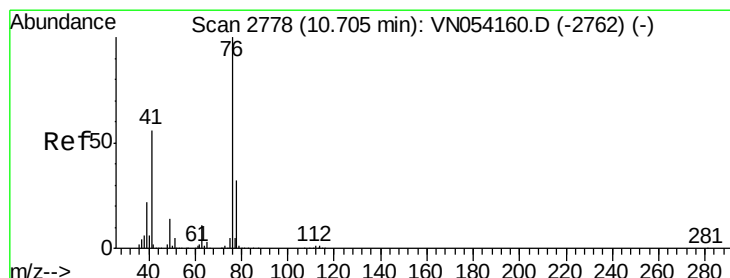
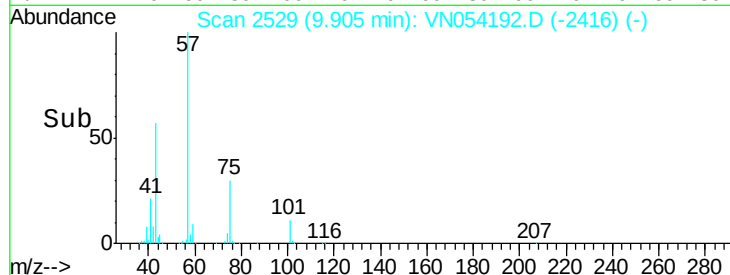
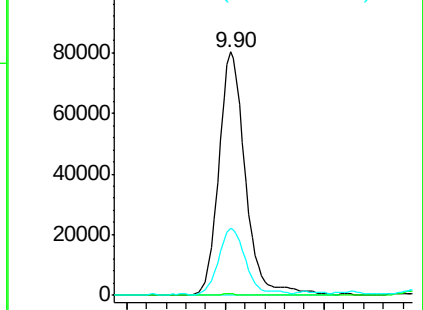
39 27.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 1.176 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN054192.D

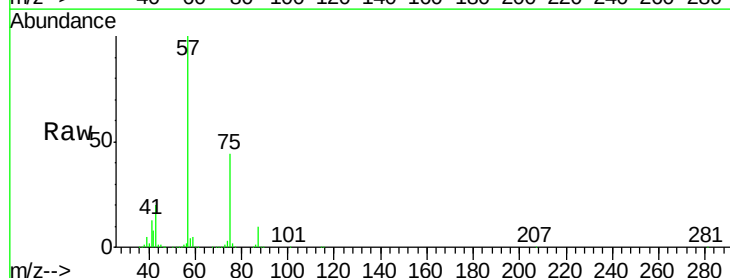
Acq: 13 Mar 2019 4:48

Tgt Ion: 76 Resp: 28454

Ion Ratio Lower Upper

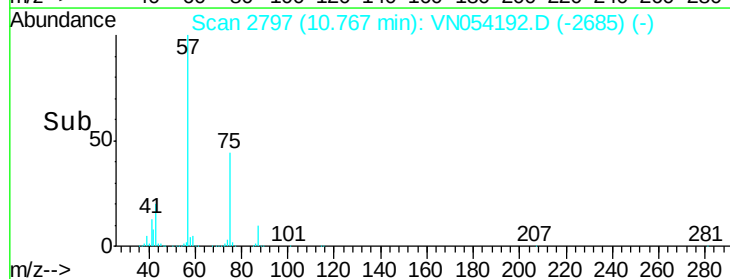
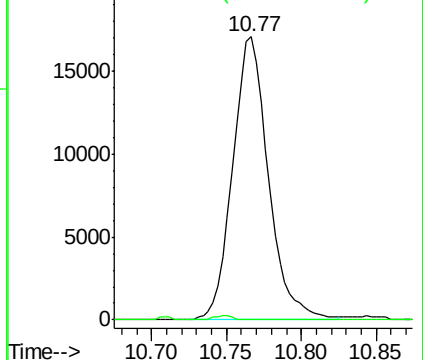
76 100

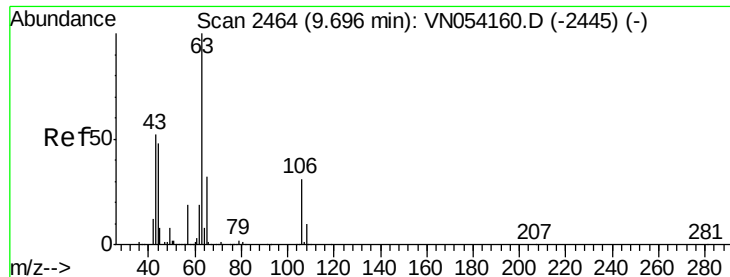
78 0.7 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO





#58

2-Chloroethyl Vinyl ether

Concen: 16.832 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.03 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

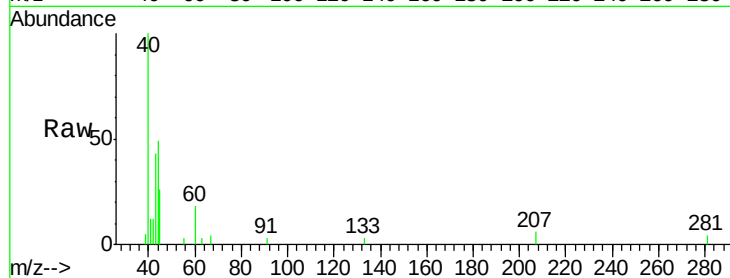
SU-03-031119-B

Tot Ion: 63 Resp: 33

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN

9.66

150

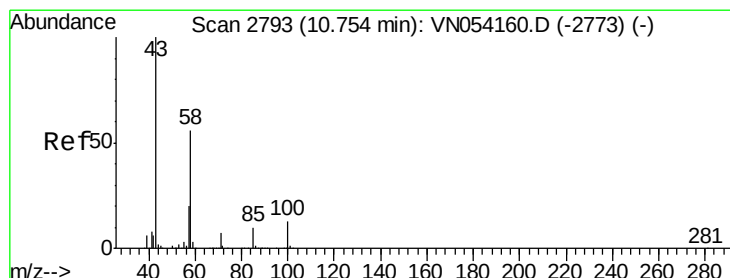
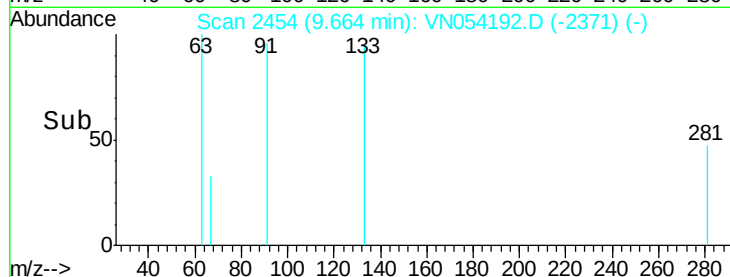
100

50

0

9.65 9.66 9.66 9.67

Time-->



#59

2-Hexanone

Concen: 47.349 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054192.D

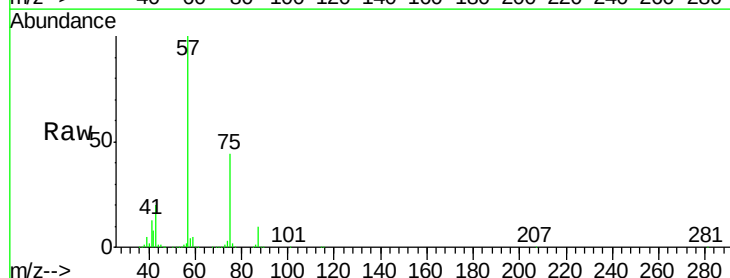
Acq: 13 Mar 2019 4:48

Tgt Ion: 43 Resp: 375603

Ion Ratio Lower Upper

43 100

58 18.6 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.77

250000

200000

150000

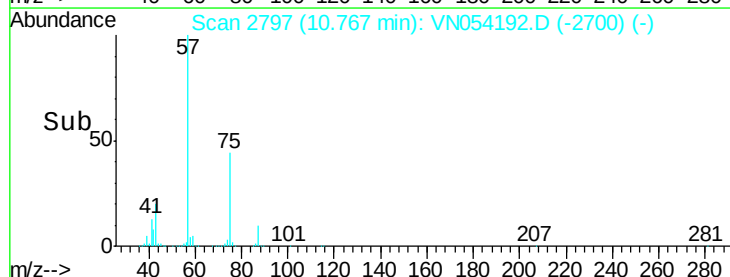
100000

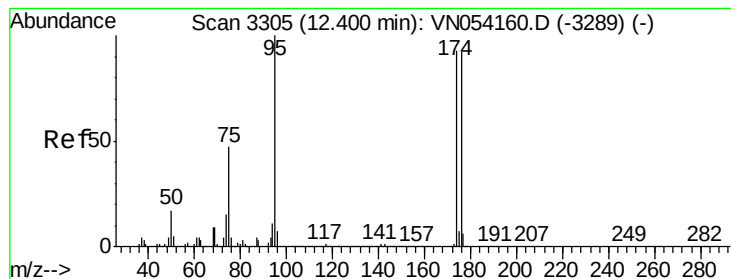
50000

0

10.70 10.75 10.80

Time-->





#62

4-Bromofluorobenzene

Concen: 56.090 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-B

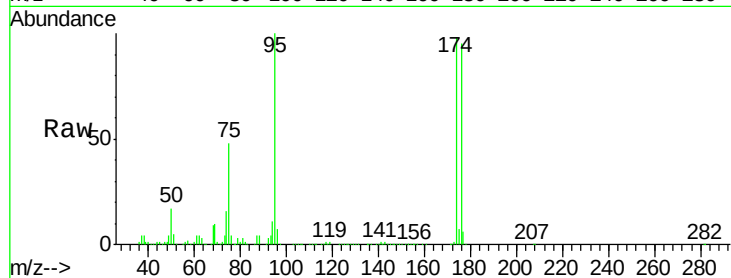
Tot Ion: 95 Resp: 1133848

Ion Ratio Lower Upper

95 100

174 96.9 0.0 191.0

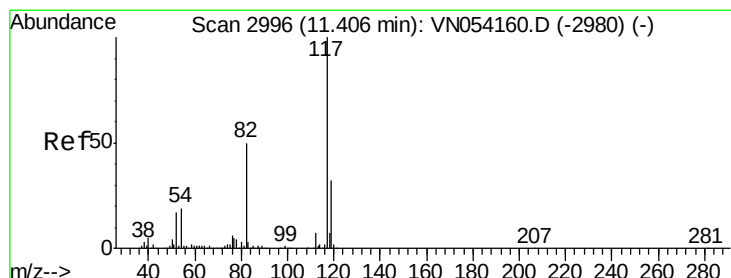
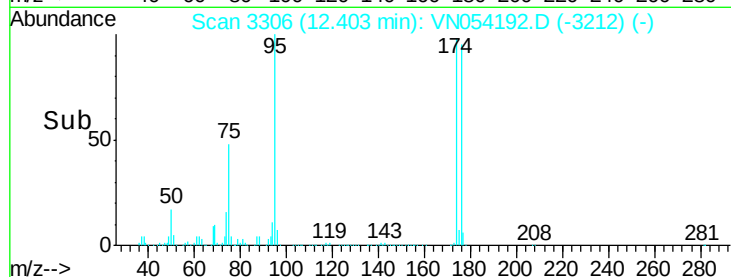
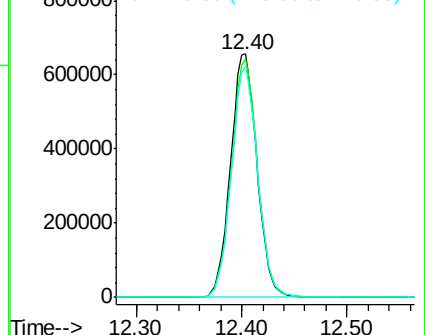
176 93.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

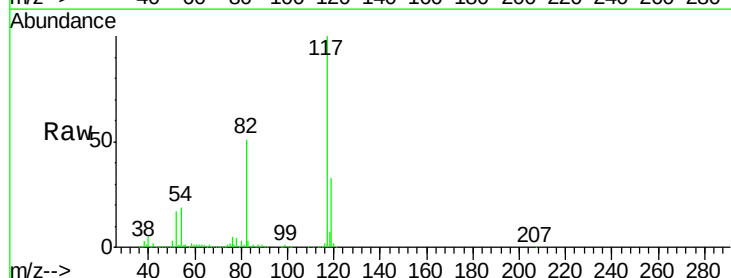
Tgt Ion: 117 Resp: 2487767

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

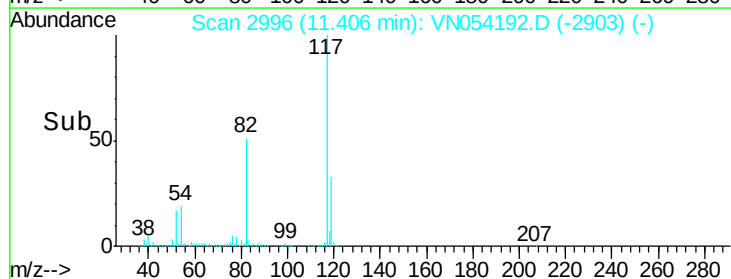
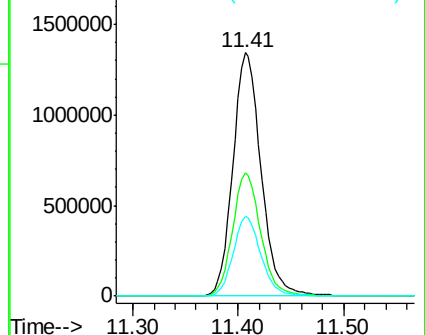
119 32.5 25.8 38.6

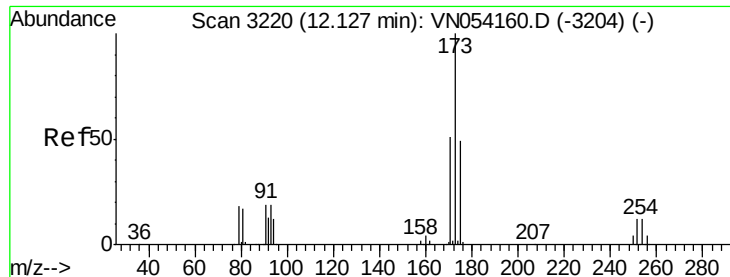


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

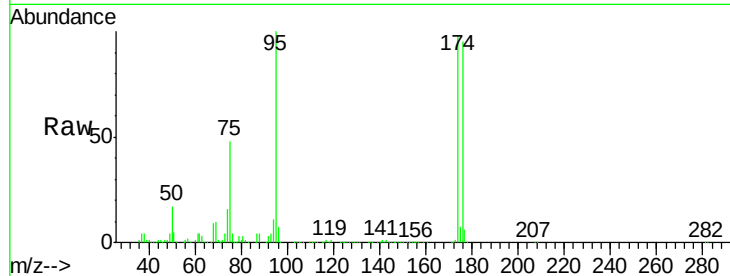




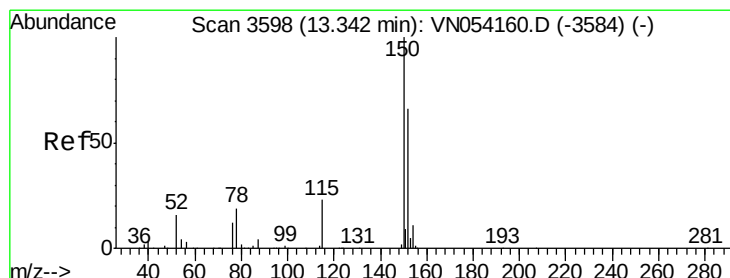
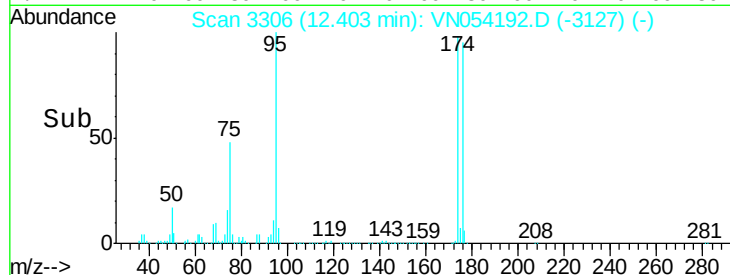
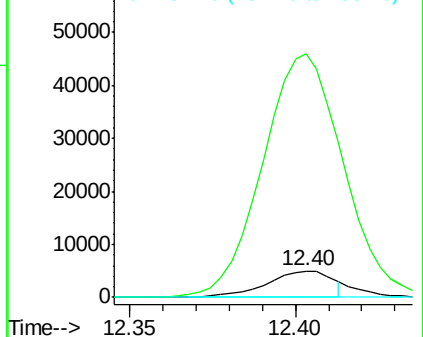
#71
Bromoform
Concen: 2.780 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054192.D
Acq: 13 Mar 2019 4:48

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

Tot Ion:173 Resp: 6818
Ion Ratio Lower Upper
173 100
175 978.1 24.4 73.2#
254 0.0 0.1 0.1#

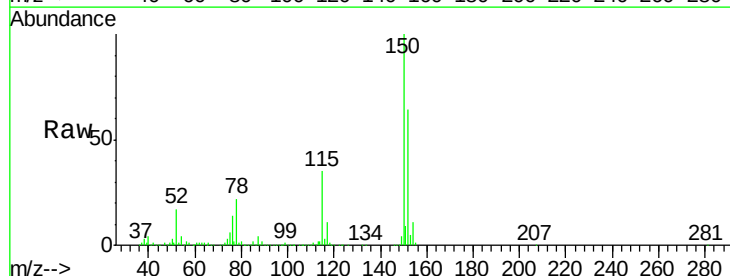


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

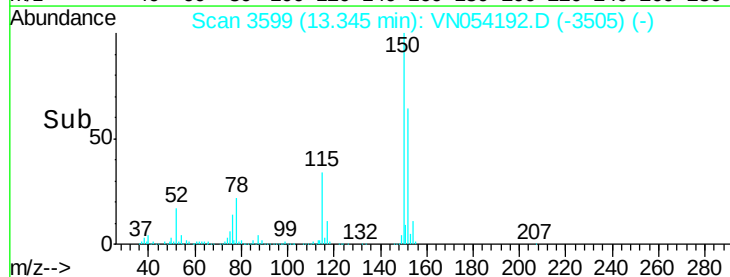
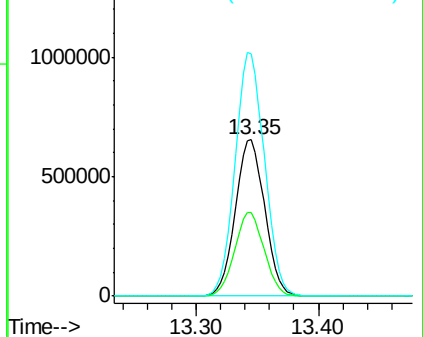


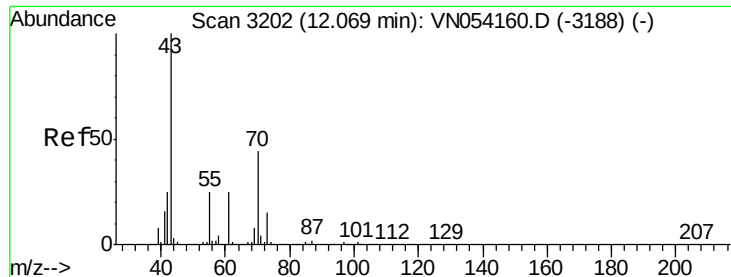
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054192.D
Acq: 13 Mar 2019 4:48

Tgt Ion:152 Resp: 1090180
Ion Ratio Lower Upper
152 100
115 53.6 27.2 81.6
150 156.0 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-amyl acetate

Concen: 1.957 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

SU-03-031119-B

Tot Ion: 43 Resp: 37890

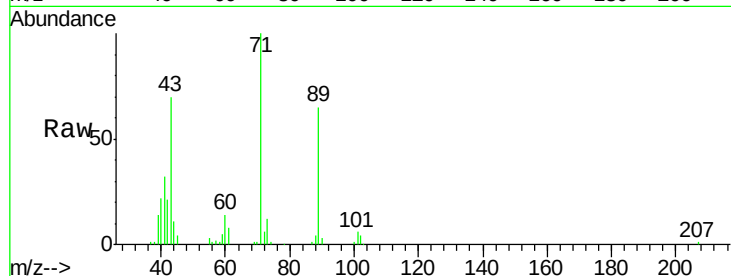
Ion Ratio Lower Upper

43 100

70 2.4 35.4 53.0#

55 6.6 19.8 29.6#

61 11.5 19.8 29.6#

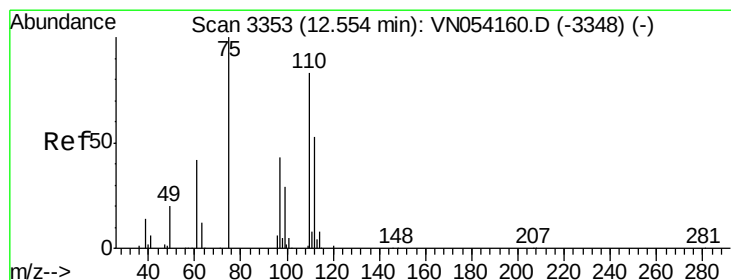
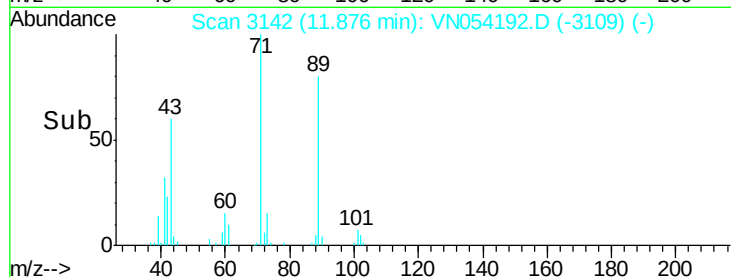
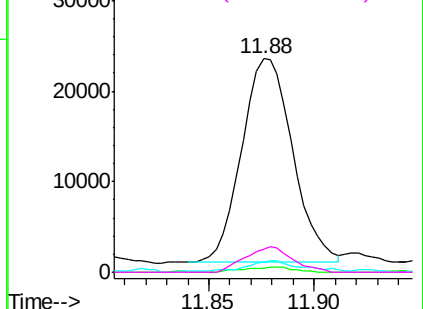


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 34.304 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054192.D

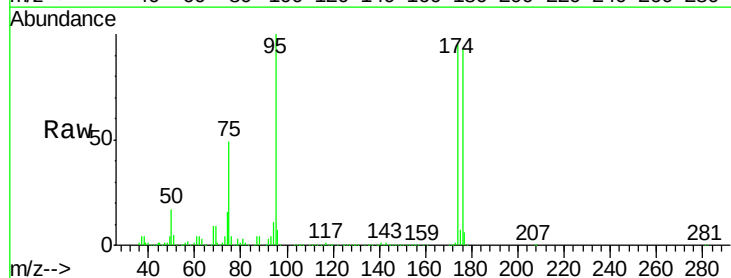
Acq: 13 Mar 2019 4:48

Tgt Ion: 75 Resp: 549955

Ion Ratio Lower Upper

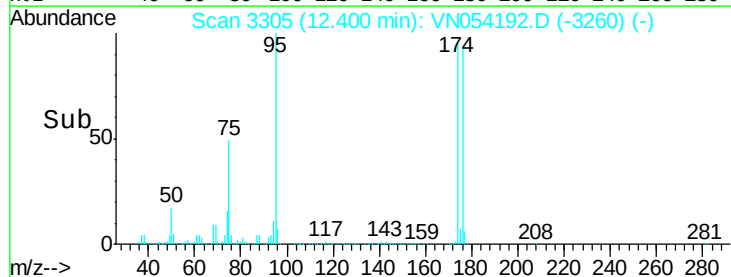
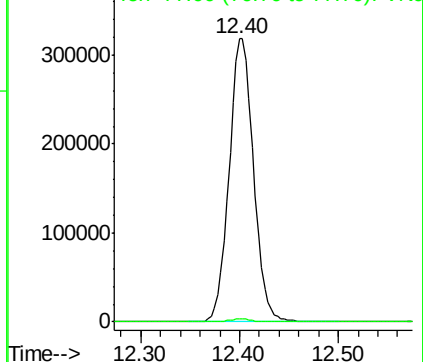
75 100

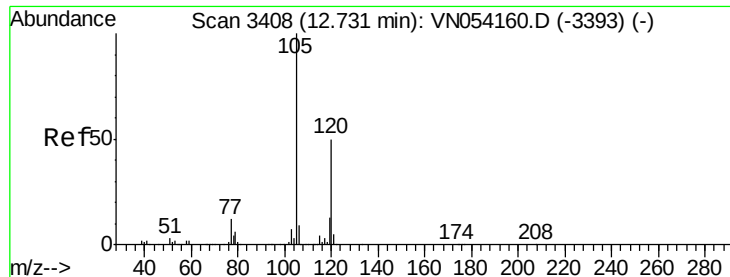
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.268 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

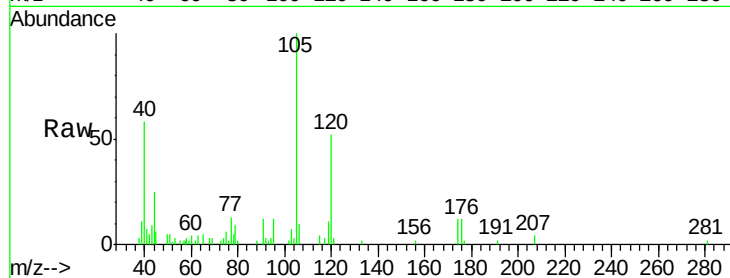
SU-03-031119-B

Tot Ion:105 Resp: 19456

Ion Ratio Lower Upper

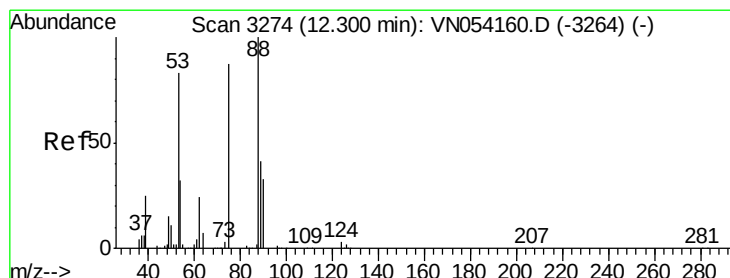
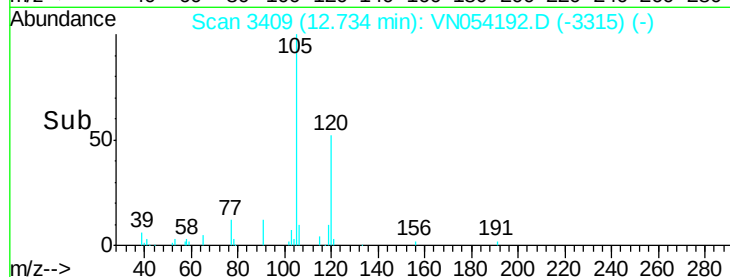
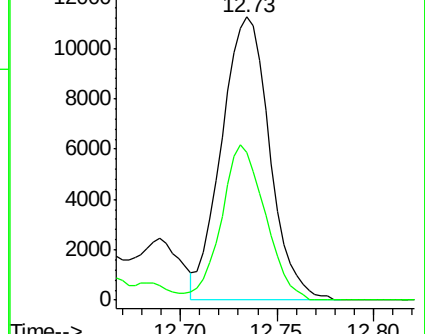
105 100

120 49.8 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: 117.268 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

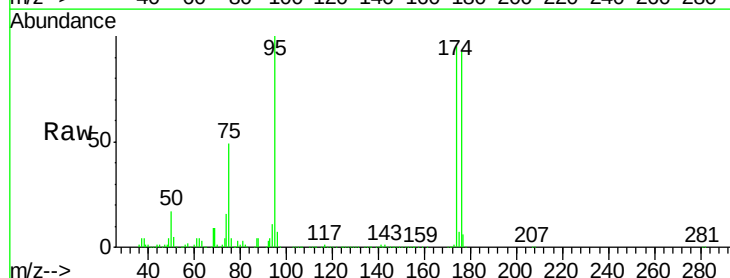
Tgt Ion: 75 Resp: 549955

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

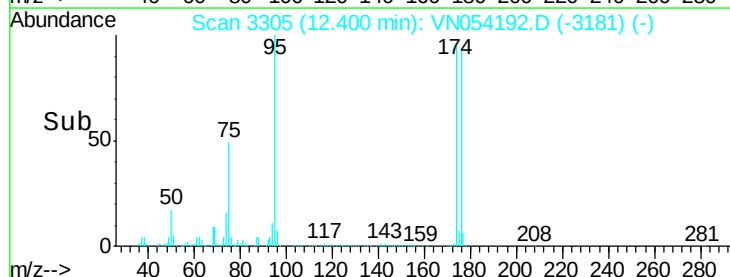
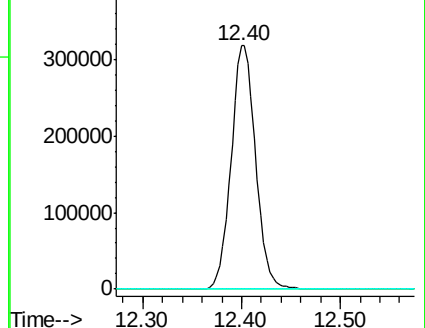
89 0.0 39.2 58.8#

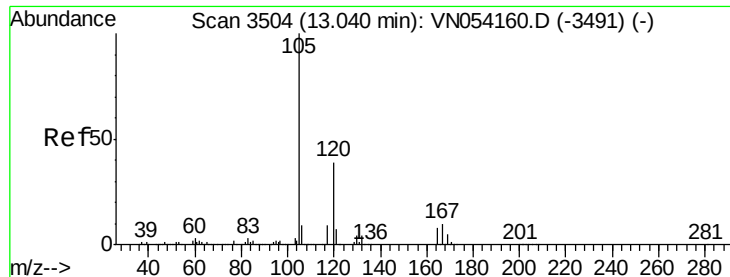


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.239 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

Instrument :

MSVOA_N

ClientSampleId :

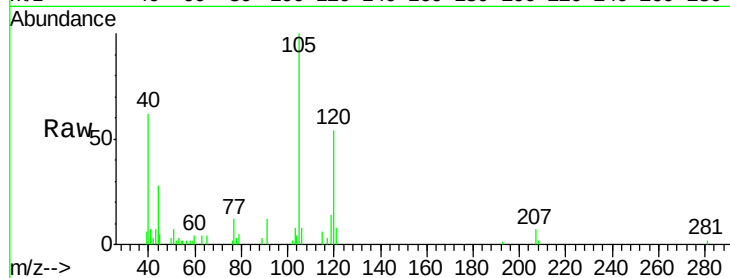
SU-03-031119-B

Tot Ion:105 Resp: 17035

Ion Ratio Lower Upper

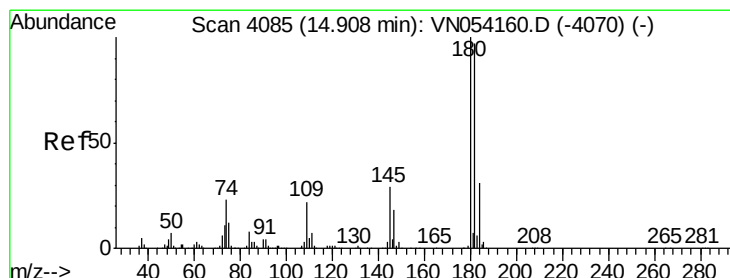
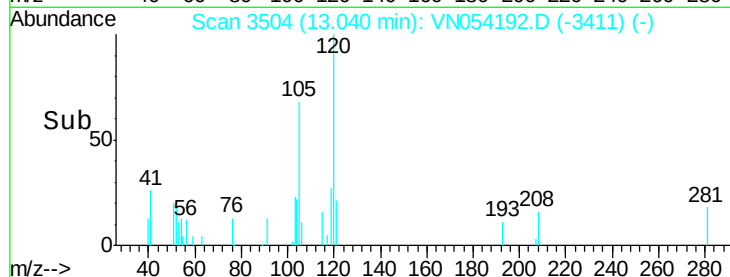
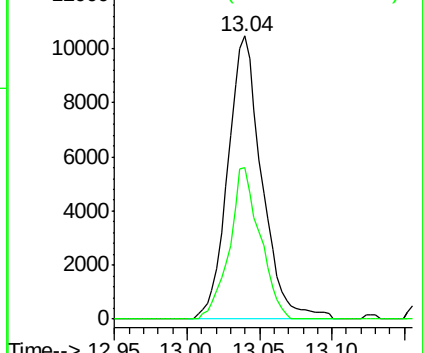
105 100

120 48.1 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: 2.565 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054192.D

Acq: 13 Mar 2019 4:48

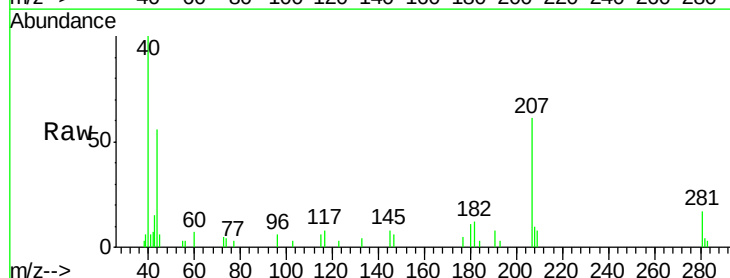
Tgt Ion:180 Resp: 1175

Ion Ratio Lower Upper

180 100

182 93.0 48.0 144.2

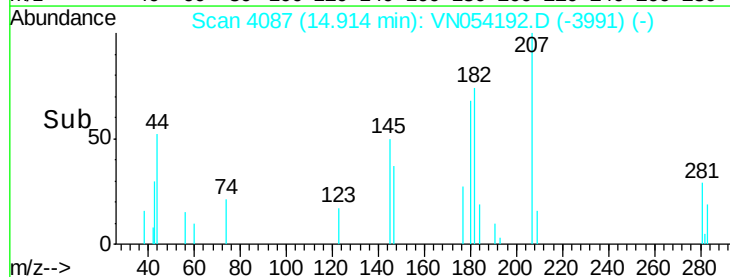
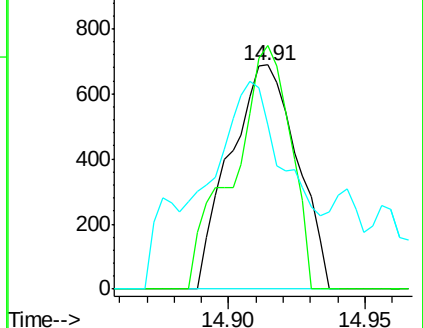
145 79.2 14.2 42.8#

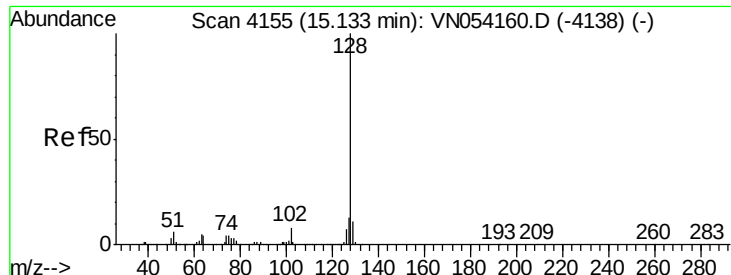


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

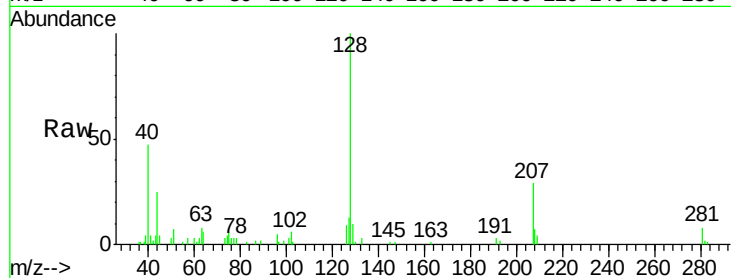




#95
Naphthalene
Concen: 3.952 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054192.D
Acq: 13 Mar 2019 4:48

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.8	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

