

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050831.D
 Acq On : 22 Aug 2018 19:58
 Operator : MD\SY
 Sample : J4278-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-082118-A

Quant Time: Aug 23 01:09:30 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	685626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1114435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	953618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	361532	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	443885	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
35) Dibromofluoromethane	7.59	113	415690	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	10.09	98	1515736	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
62) 4-Bromofluorobenzene	12.40	95	430522	39.09	ug/l	0.00
Spiked Amount			Recovery	=	78.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2384	0.21	ug/l	96
5) Bromomethane	2.57	94	2565	Below Cal	#	74
10) Methyl Iodide	3.96	142	381	6.38	ug/l	# 43
11) Tert butyl alcohol	4.78	59	157	0.30	ug/l	# 72
13) Acrolein	3.61	56	246	18.66	ug/l	# 42
16) Acetone	3.82	43	23904	5.32	ug/l	98
18) Methyl Acetate	4.33	43	14016	1.80	ug/l	92
20) Methylene Chloride	4.56	84	39528	4.25	ug/l	97
25) 2-Butanone	6.85	43	3752	1.13	ug/l	# 71
29) Tetrahydrofuran	7.22	42	1590	0.83	ug/l	# 79
30) Chloroform	7.37	83	13921	0.92	ug/l	97
31) Cyclohexane	7.66	56	12159	1.32	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	46989	3.57	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	59994	4.51	ug/l	# 17
41) Methacrylonitrile	7.22	41	1307	0.32	ug/l	# 38
43) Isopropyl Acetate	8.17	43	334996	25.79	ug/l	# 92
47) Bromodichloromethane	9.41	83	3298	0.26	ug/l	91
48) Methyl methacrylate	9.18	41	9409	1.42	ug/l	# 20
51) 4-Methyl-2-Pentanone	9.99	43	2771	0.36	ug/l	# 72
56) Ethyl methacrylate	10.23	69	3061	2.61	ug/l	# 55
59) 2-Hexanone	10.77	43	19042	3.69	ug/l	# 57
68) m/p-Xylenes	11.62	106	3956	0.26	ug/l	97
70) Styrene	11.96	104	211	1.28	ug/l	# 1
71) Bromoform	12.40	173	1414	0.23	ug/l	# 1
74) N-amyl acetate	12.05	43	1678	0.22	ug/l	# 61
75) 1,1,2,2-Tetrachloroethane	12.57	83	58	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	199758	31.55	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.73	105	7190	0.30	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.40	75	199758	106.64	ug/l	# 15
84) 1,2,4-Trimethylbenzene	13.04	105	15491	0.64	ug/l	97
90) Hexachloroethane	13.89	117	898	0.39	ug/l	# 4
95) Naphthalene	15.13	128	86405	10.74	ug/l	100

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EO-01-082118-A

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

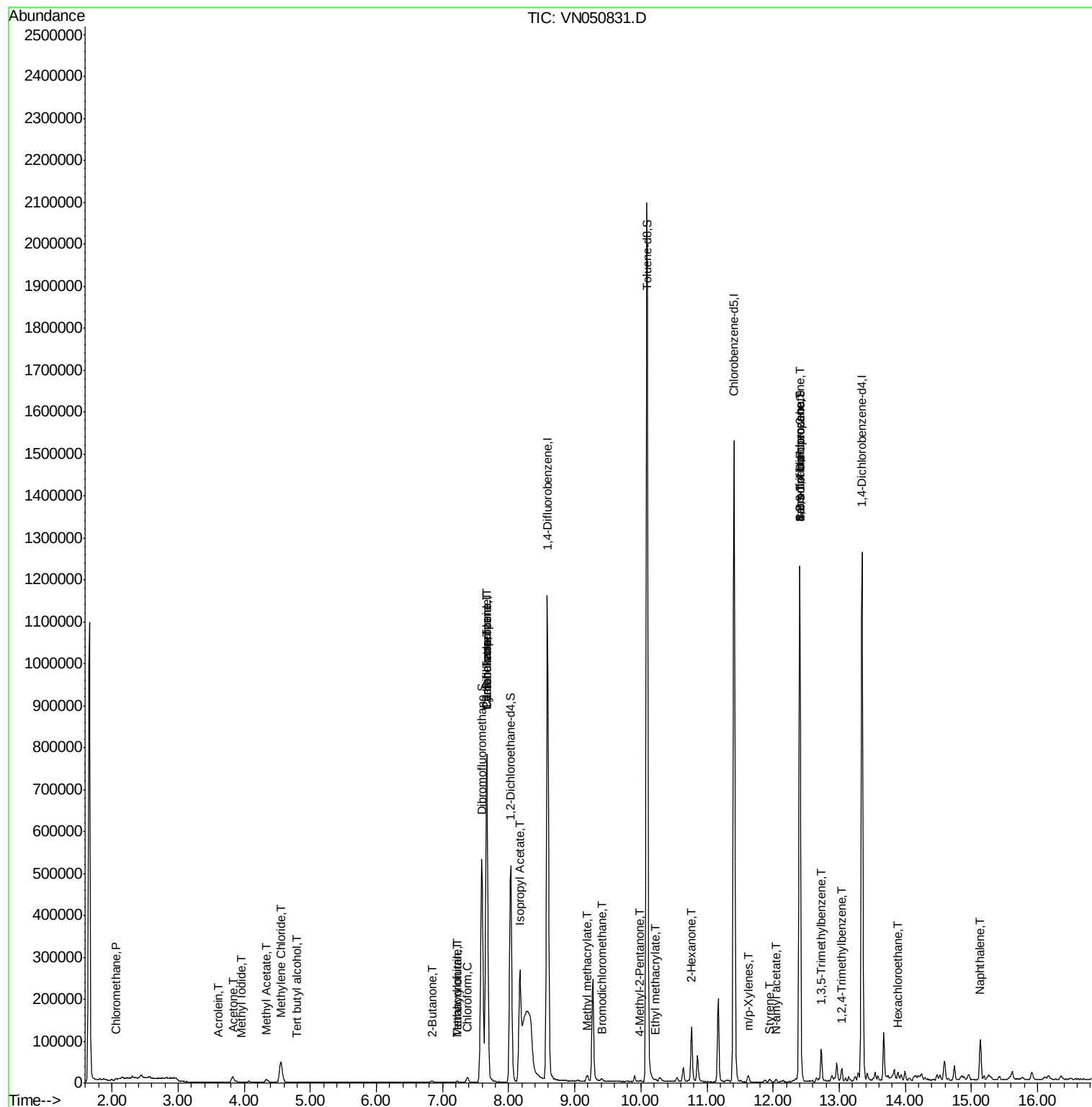
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

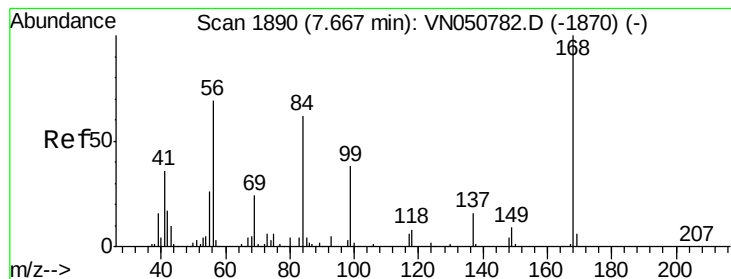
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

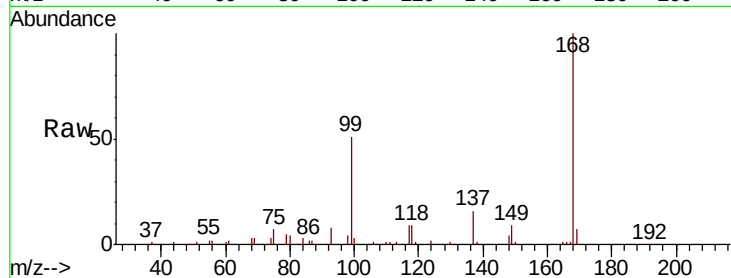
EO-01-082118-A

Tot Ion:168 Resp: 685626

Ion Ratio Lower Upper

168 100

99 50.6 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

250000

200000

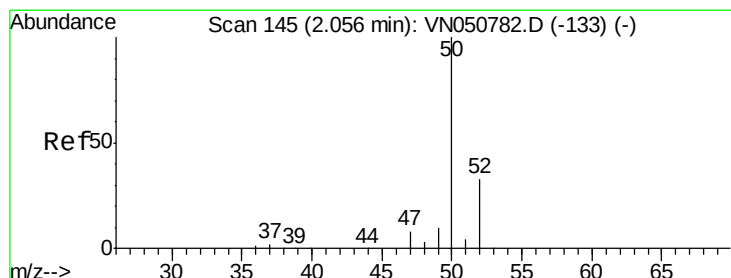
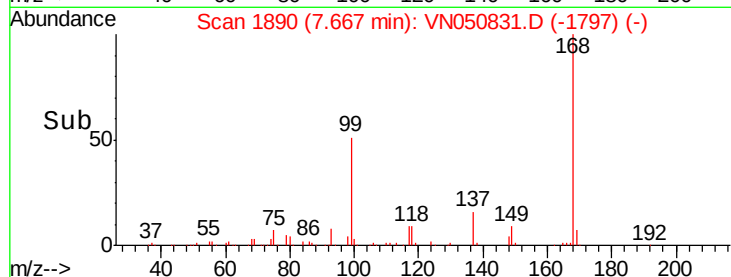
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050831.D

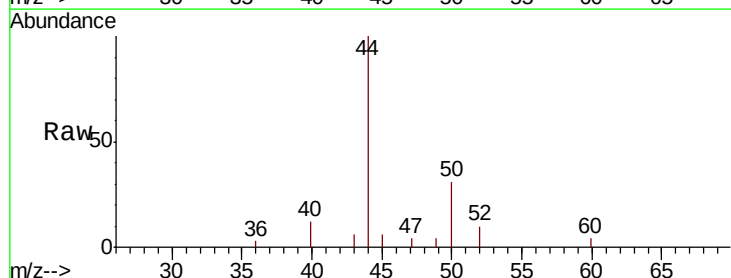
Acq: 22 Aug 2018 19:58

Tgt Ion: 50 Resp: 2384

Ion Ratio Lower Upper

50 100

52 30.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2000

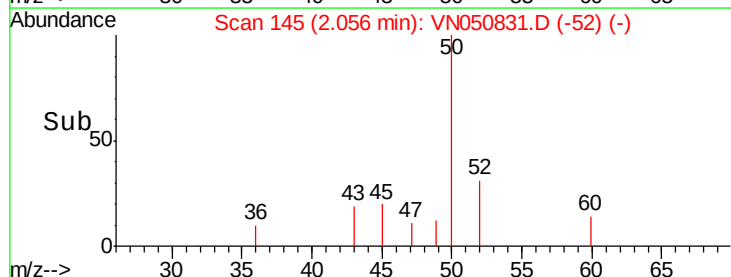
1500

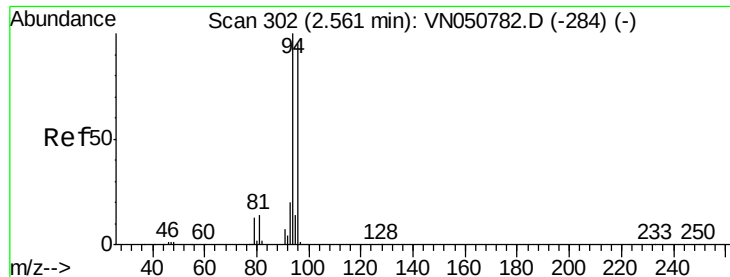
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

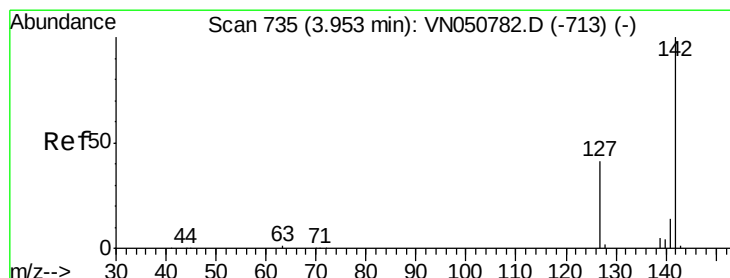
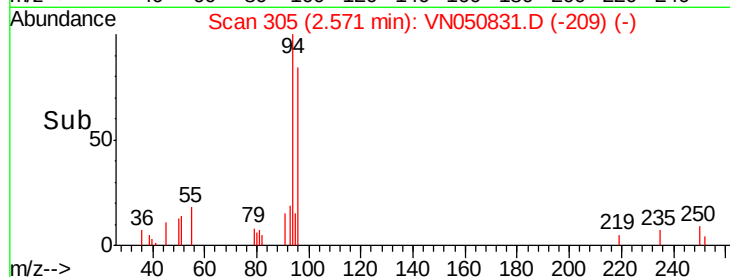
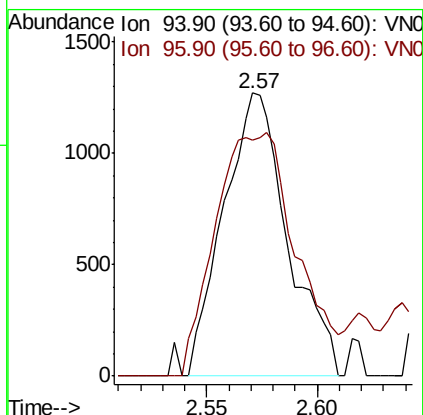
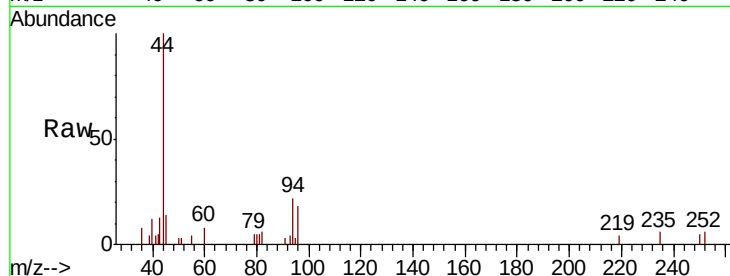
EO-01-082118-A

Tot Ion: 94 Resp: 2565

Ion Ratio Lower Upper

94 100

96 70.1 76.2 114.2#



#10

Methyl Iodide

Concen: 6.38 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

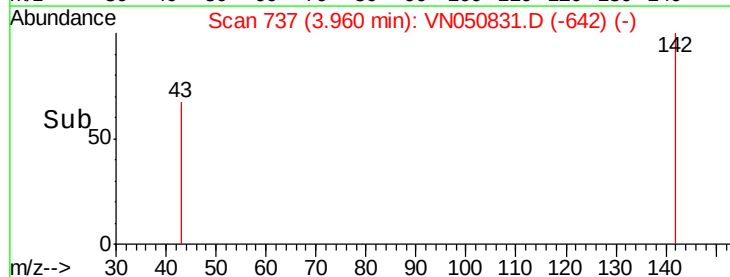
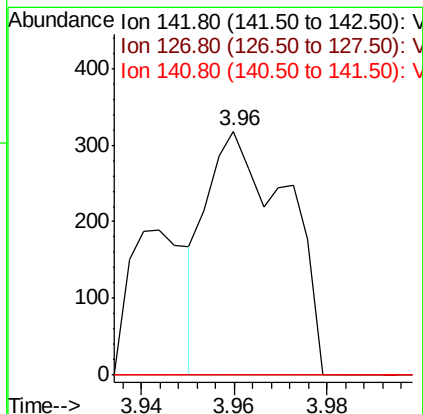
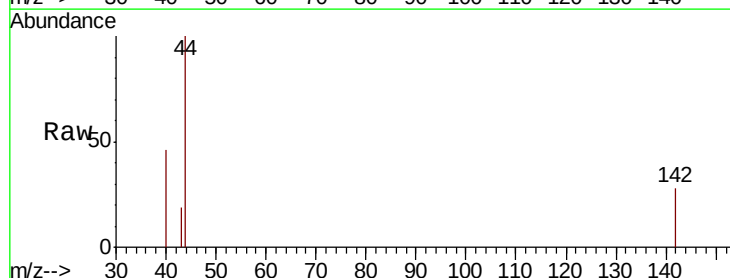
Tgt Ion: 142 Resp: 381

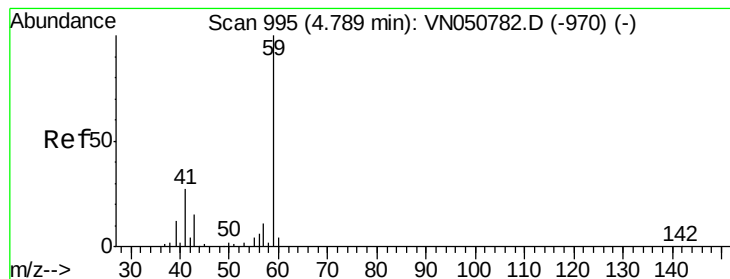
Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 0.30 ug/l

RT: 4.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

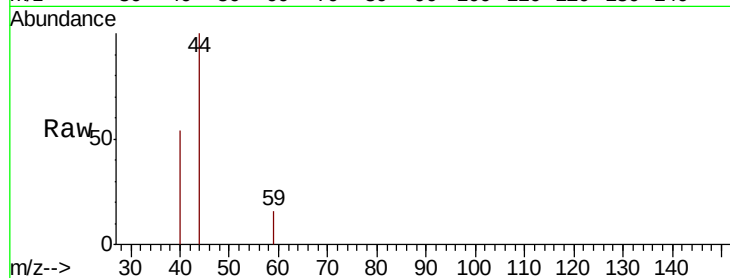
EO-01-082118-A

Tot Ion: 59 Resp: 157

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.78

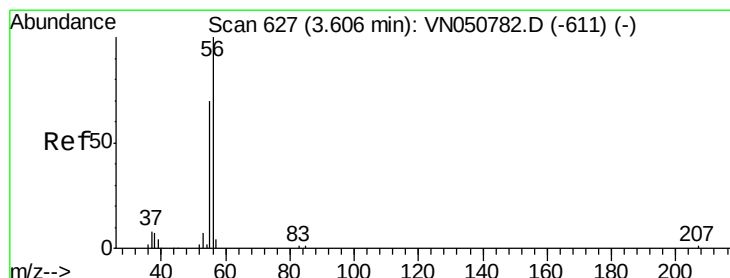
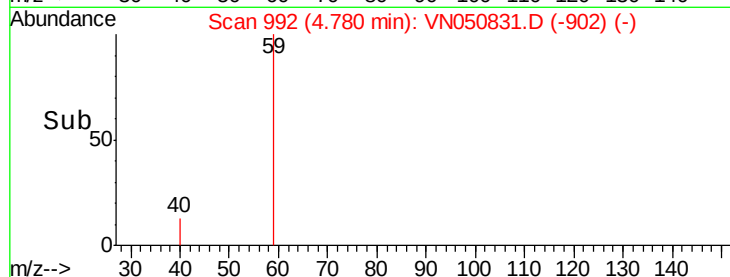
150

100

50

0

Time--> 4.76 4.77 4.78 4.79 4.80



#13

Acrolein

Concen: 18.66 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN050831.D

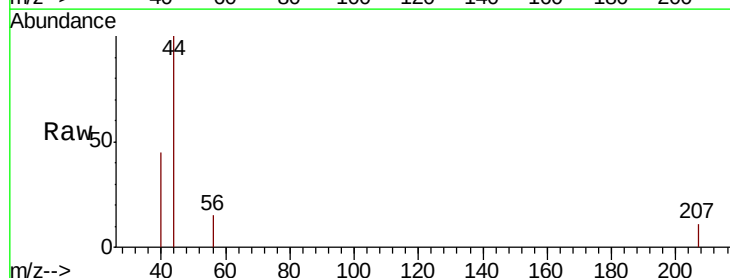
Acq: 22 Aug 2018 19:58

Tgt Ion: 56 Resp: 246

Ion Ratio Lower Upper

56 100

55 24.0 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

250

200

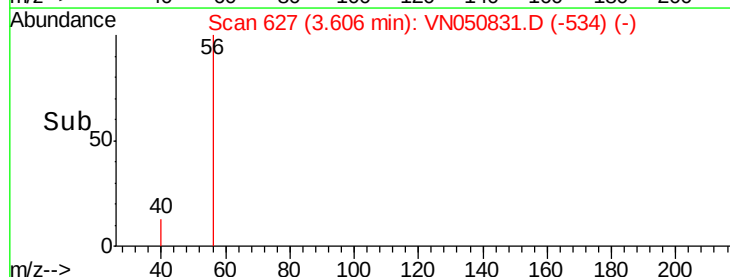
150

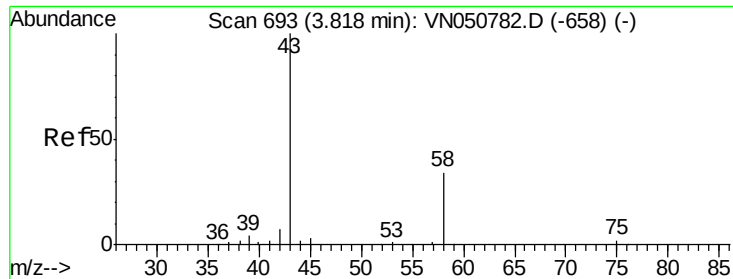
100

50

0

Time--> 3.58 3.60 3.62





#16

Acetone

Concen: 5.32 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

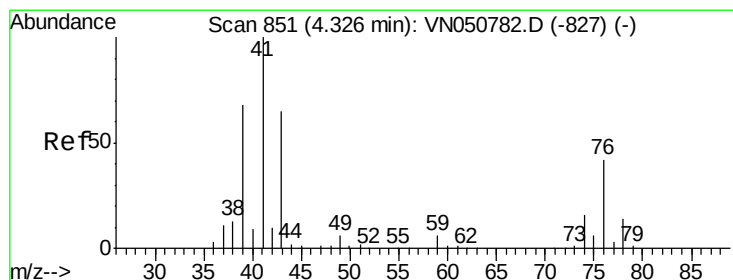
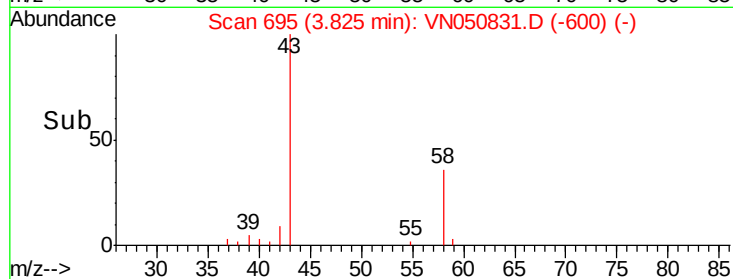
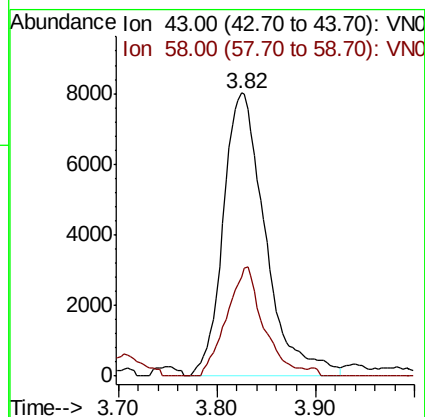
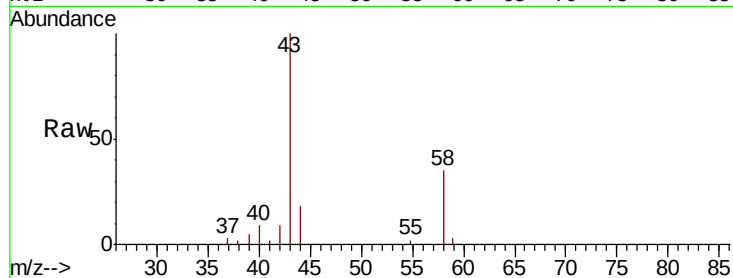
EO-01-082118-A

Tot Ion: 43 Resp: 23904

Ion Ratio Lower Upper

43 100

58 35.1 27.2 40.8



#18

Methyl Acetate

Concen: 1.80 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN050831.D

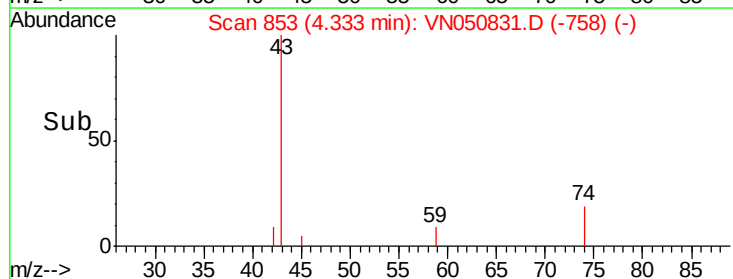
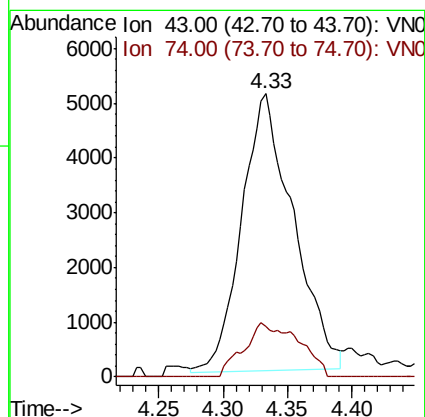
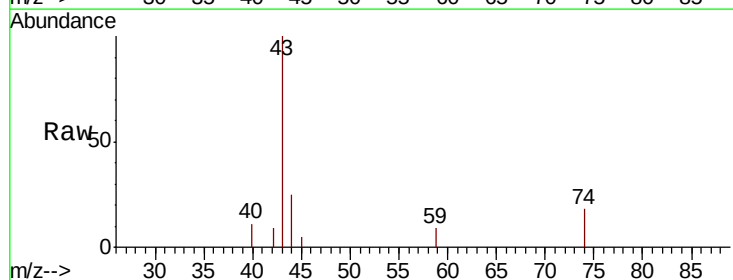
Acq: 22 Aug 2018 19:58

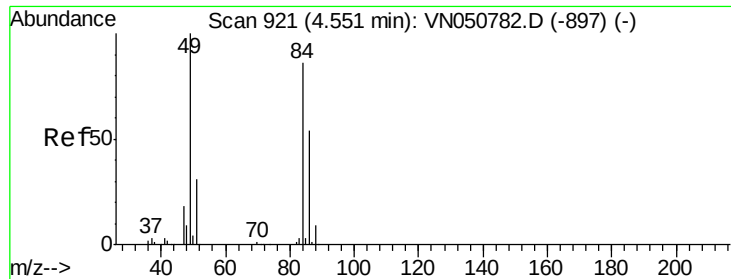
Tgt Ion: 43 Resp: 14016

Ion Ratio Lower Upper

43 100

74 20.9 19.8 29.8

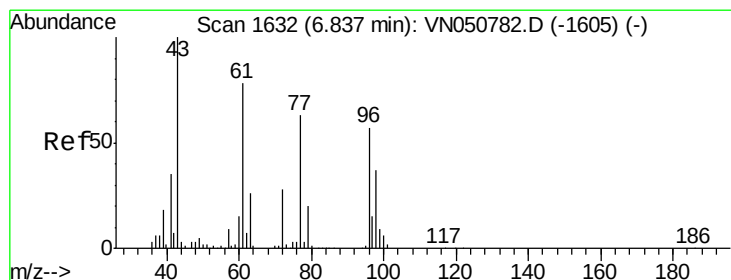
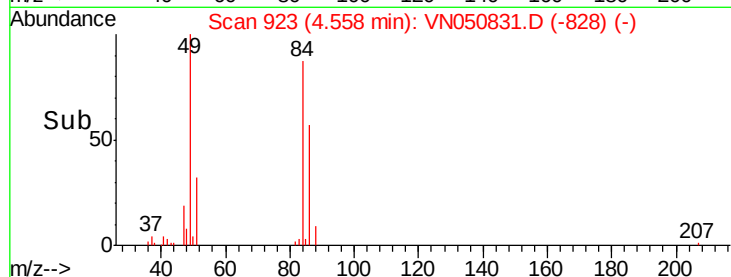
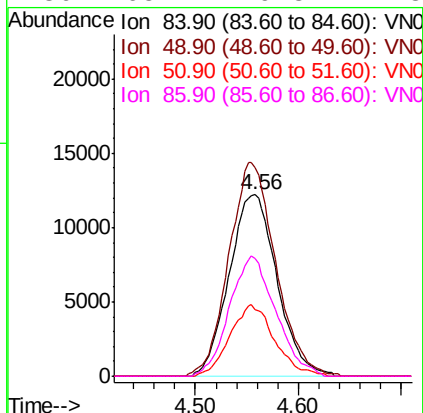
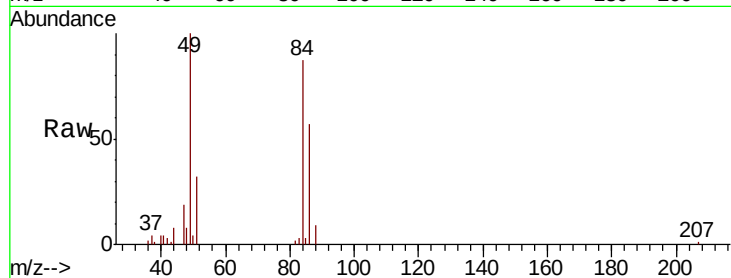




#20
Methvlene Chloride
Concen: 4.25 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050831.D
Acq: 22 Aug 2018 19:58

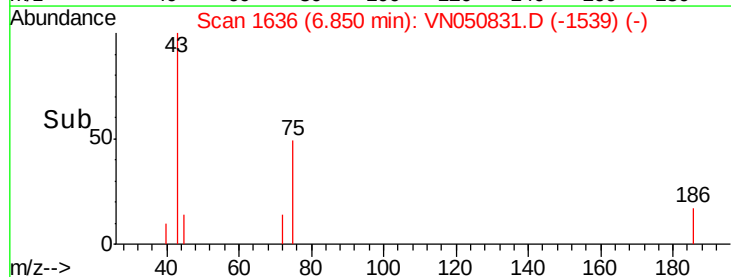
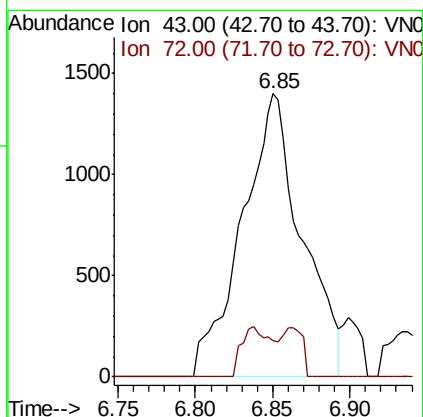
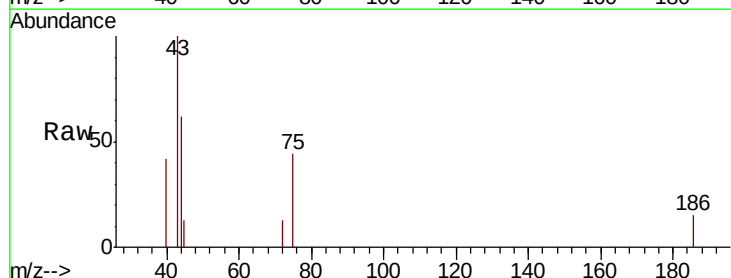
Instrument :
MSVOA_N
ClientSampleId :
EO-01-082118-A

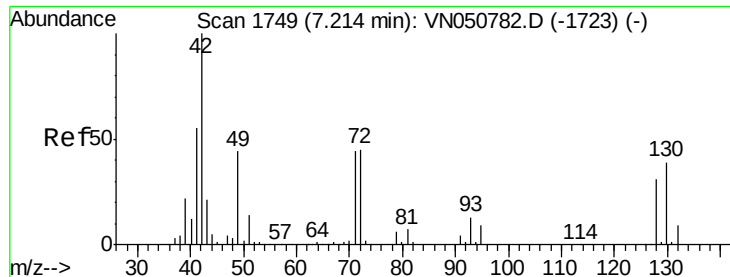
Tot Ion:	84	Resp:	39528
Ion	Ratio	Lower	Upper
84	100		
49	113.5	93.2	139.8
51	36.6	29.0	43.6
86	65.2	49.8	74.8



#25
2-Butanone
Concen: 1.13 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050831.D
Acq: 22 Aug 2018 19:58

Tgt Ion:	43	Resp:	3752
Ion	Ratio	Lower	Upper
43	100		
72	12.8	22.3	33.5#





#29

Tetrahydrofuran

Concen: 0.83 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

EO-01-082118-A

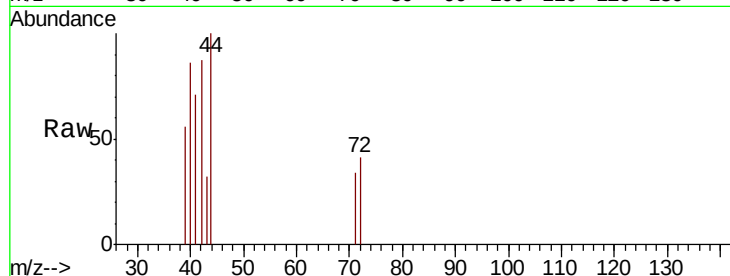
Tot Ion: 42 Resp: 1590

Ion Ratio Lower Upper

42 100

72 37.4 35.5 53.3

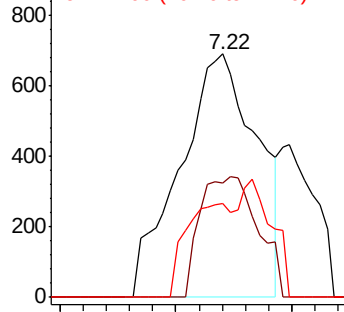
71 22.4 33.7 50.5#



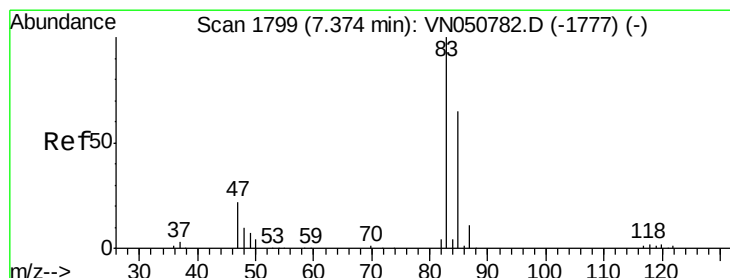
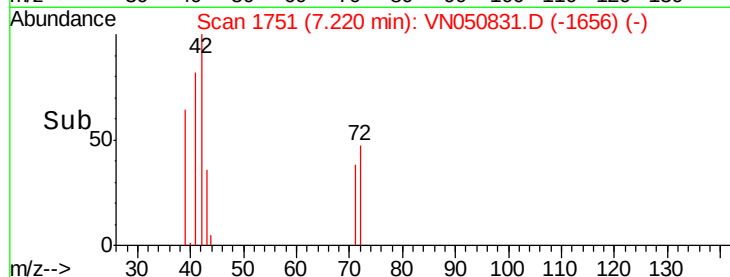
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time--> 7.15 7.20 7.25



#30

Chloroform

Concen: 0.92 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050831.D

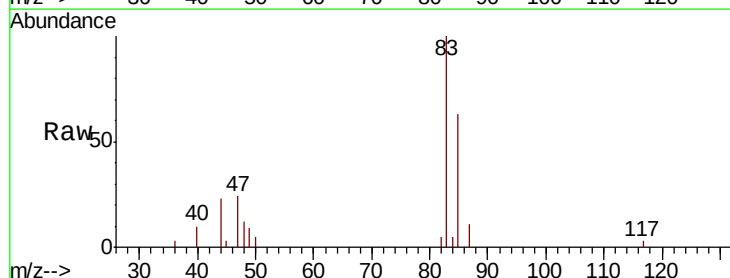
Acq: 22 Aug 2018 19:58

Tgt Ion: 83 Resp: 13921

Ion Ratio Lower Upper

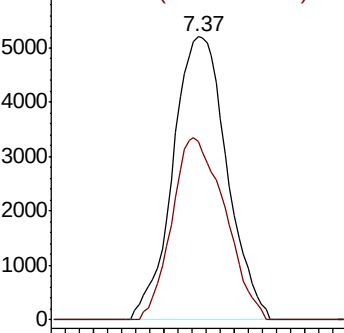
83 100

85 63.0 52.2 78.4

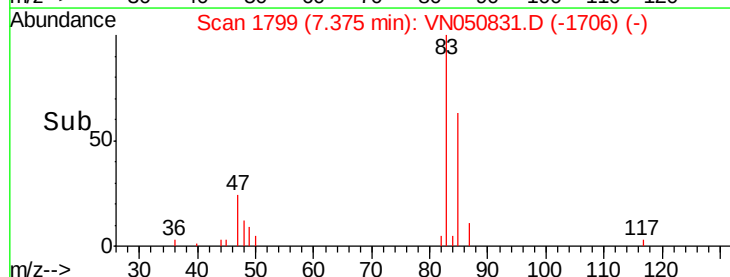


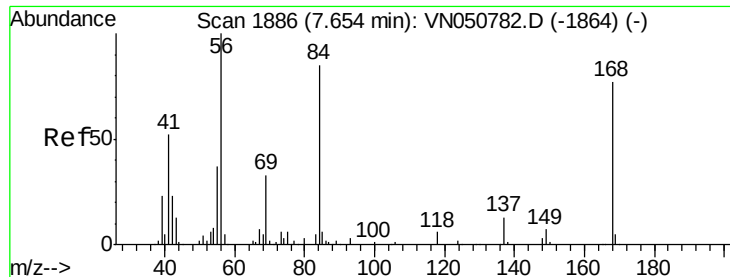
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time--> 7.30 7.35 7.40 7.45

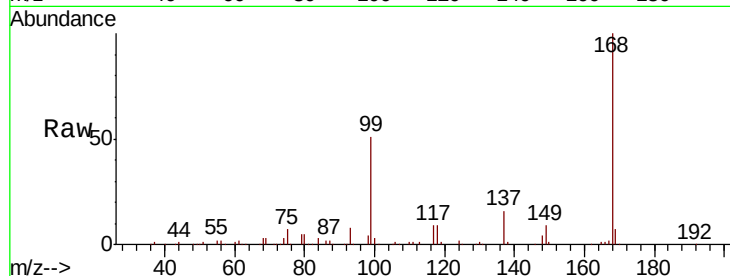




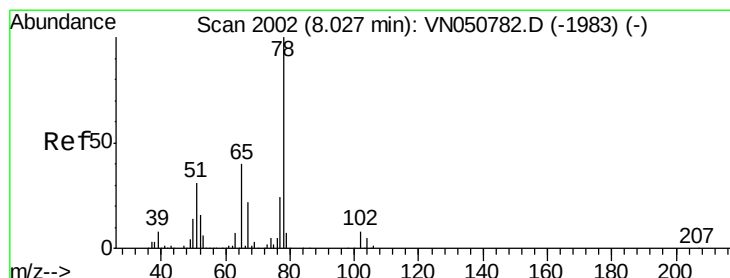
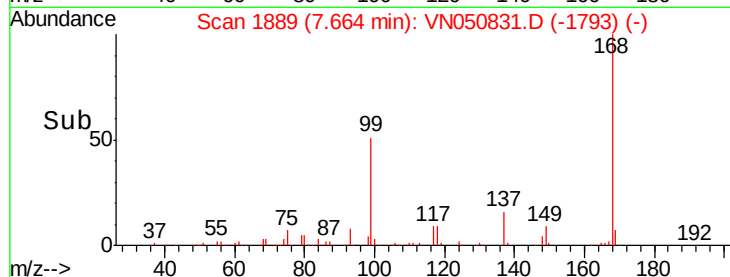
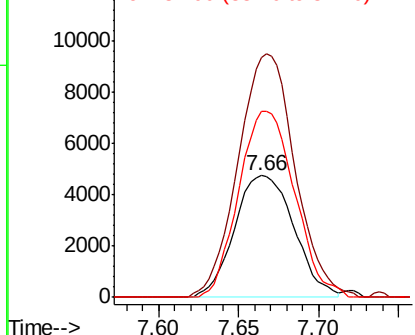
#31
Cyclohexane
Concen: 1.32 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN050831.D
Acq: 22 Aug 2018 19:58

Instrument :
MSVOA_N
ClientSampleId :
EO-01-082118-A

Tot Ion: 56 Resp: 12159
Ion Ratio Lower Upper
56 100
69 197.4 26.2 39.4#
84 153.3 68.3 102.5#

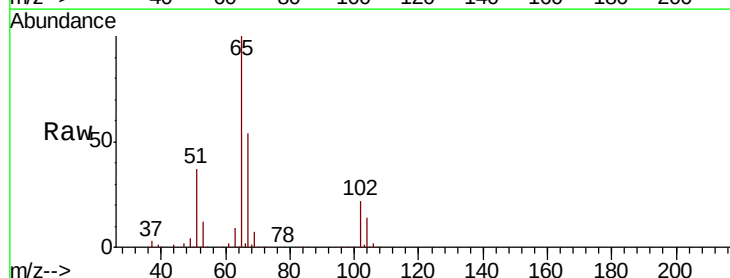


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

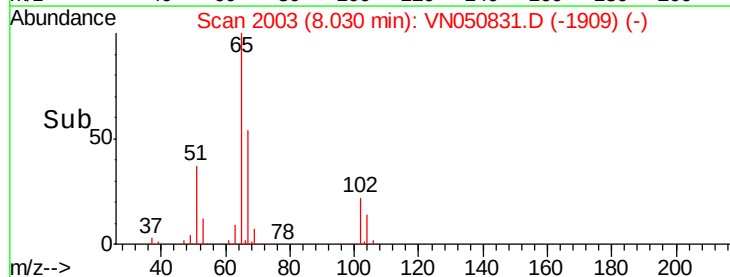
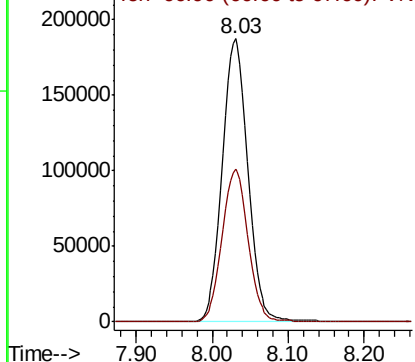


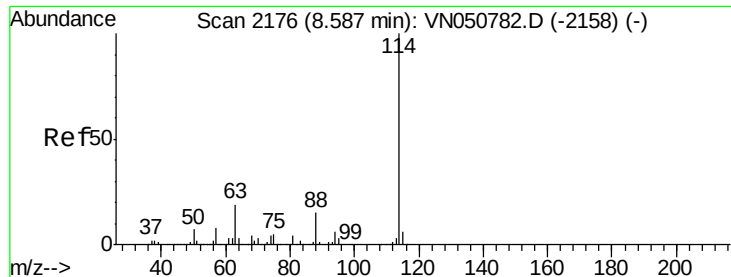
#33
1,2-Dichloroethane-d4
Concen: 53.78 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050831.D
Acq: 22 Aug 2018 19:58

Tgt Ion: 65 Resp: 443885
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

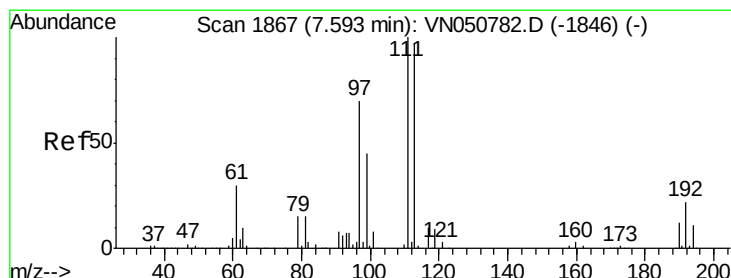
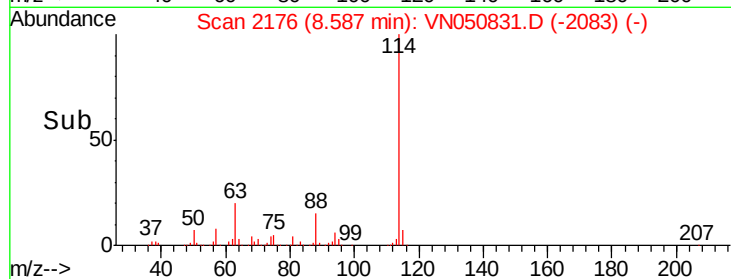
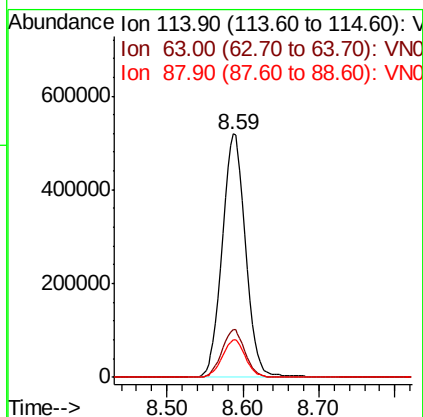
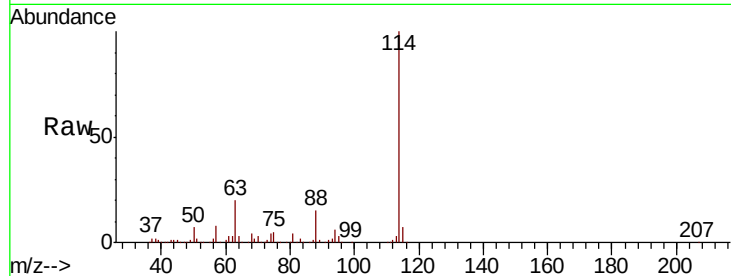




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050831.D
 Acq: 22 Aug 2018 19:58

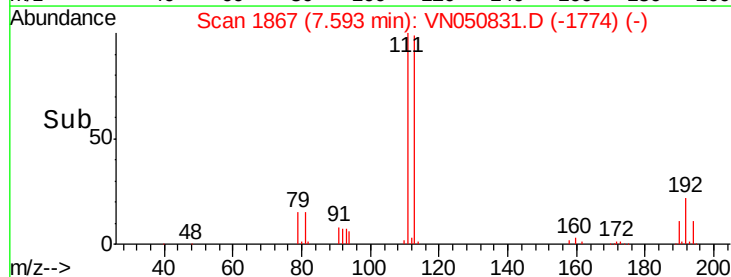
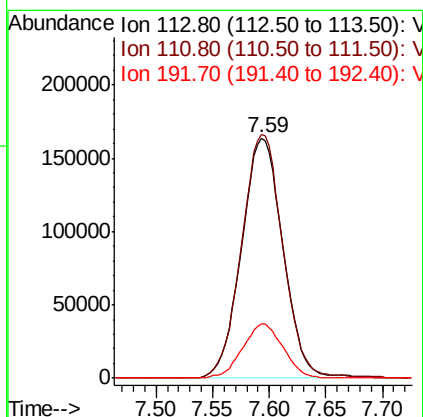
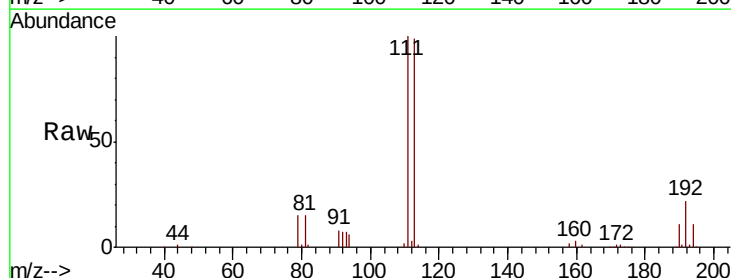
Instrument :
 MSVOA_N
 ClientSampleId :
 EO-01-082118-A

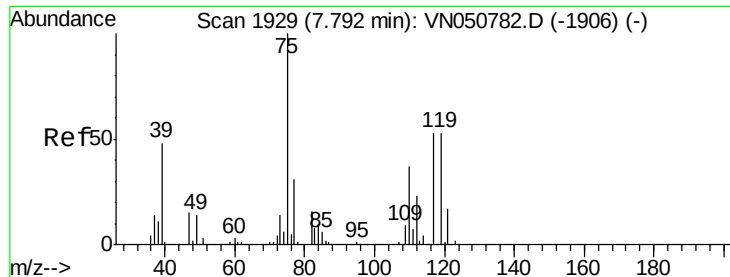
Tot Ion:114 Resp: 1114435
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.3 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 46.89 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050831.D
 Acq: 22 Aug 2018 19:58

Tgt Ion:113 Resp: 415690
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 22.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 3.57 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

EO-01-082118-A

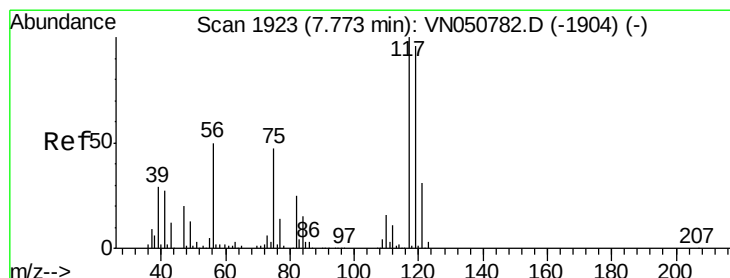
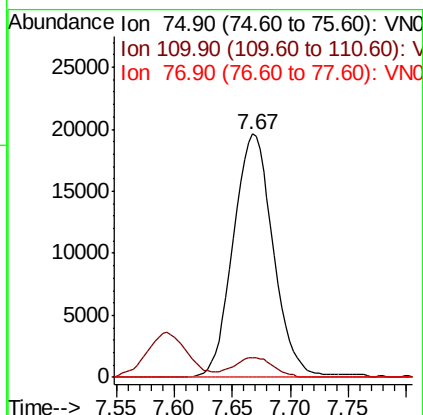
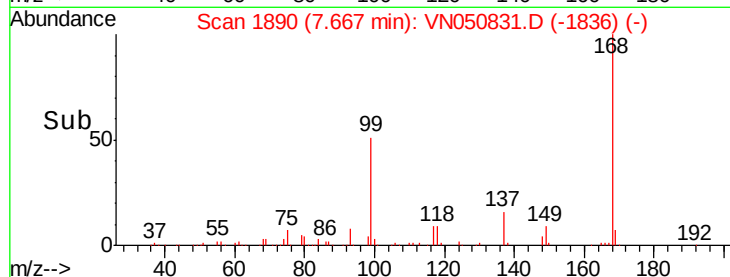
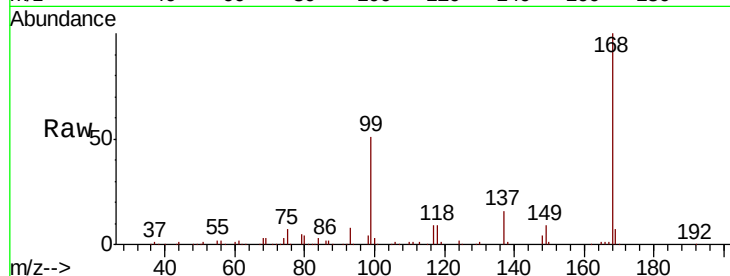
Tot Ion: 75 Resp: 46989

Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.51 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

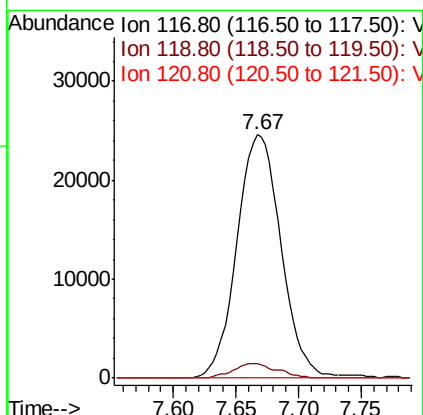
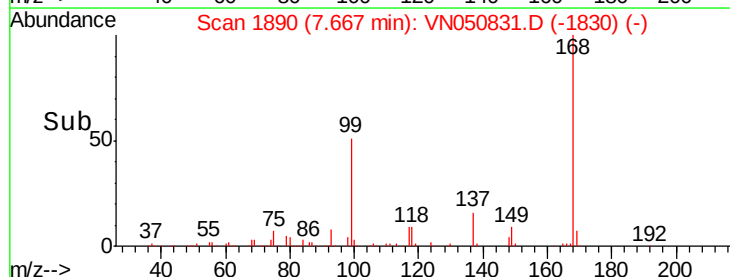
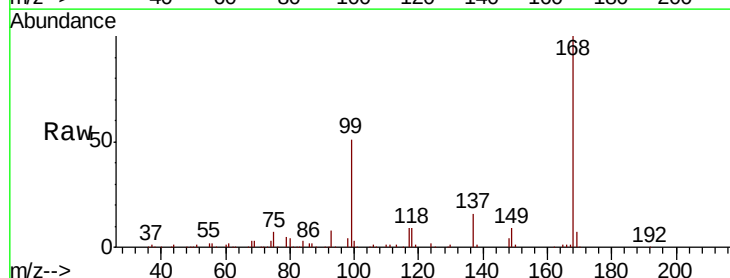
Tgt Ion: 117 Resp: 59994

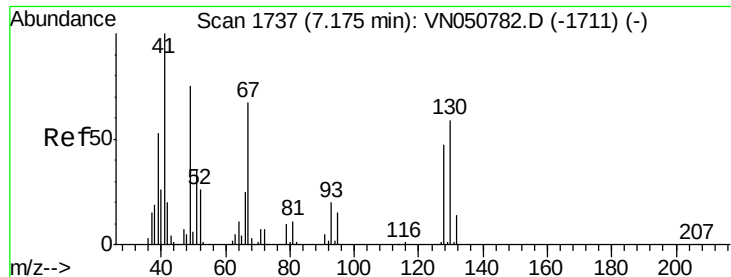
Ion Ratio Lower Upper

117 100

119 6.0 76.3 114.5#

121 0.0 24.6 36.8#

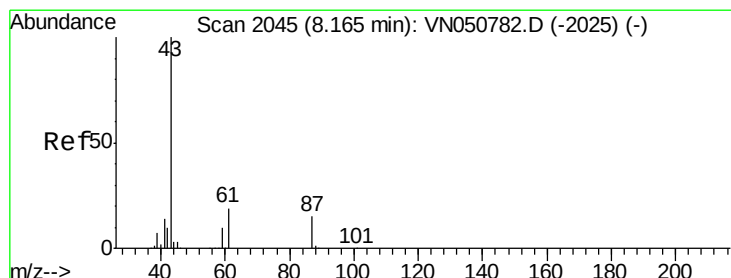
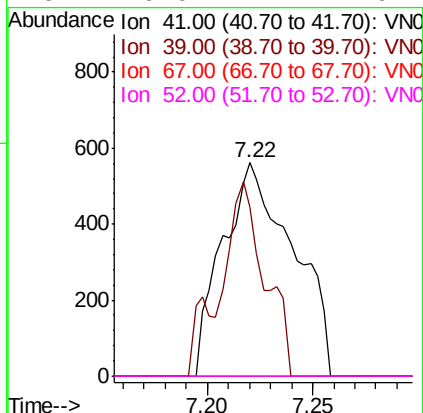
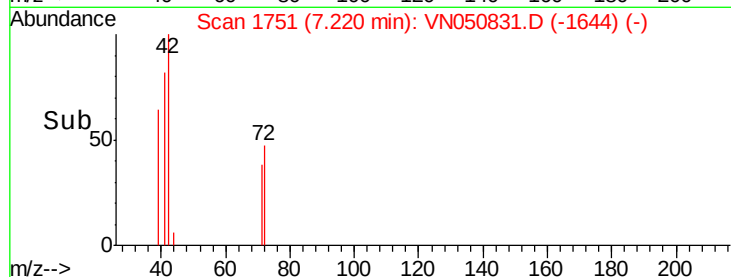
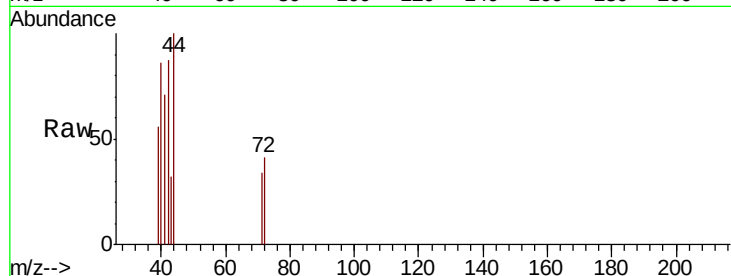




#41
Methacrylonitrile
Concen: 0.32 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.05 min
Lab File: VN050831.D
Acq: 22 Aug 2018 19:58

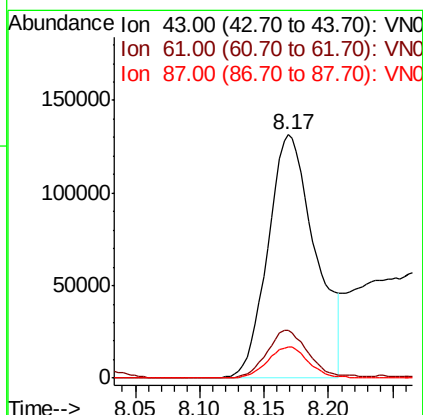
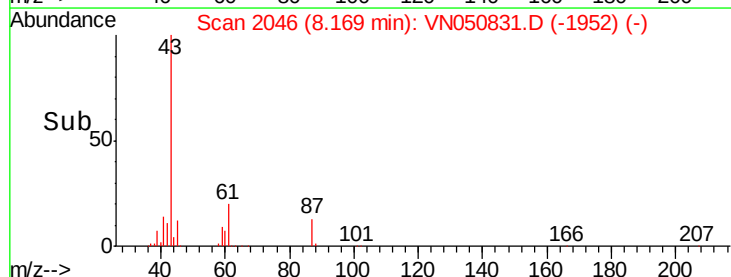
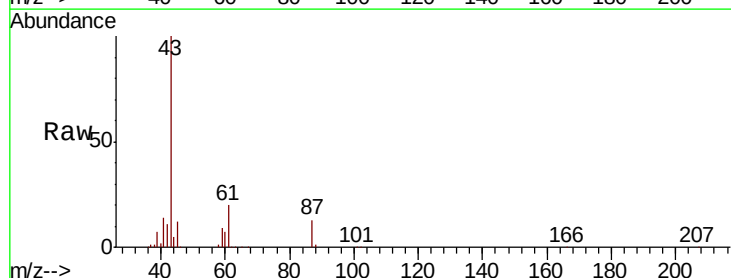
Instrument :
MSVOA_N
ClientSampleId :
EO-01-082118-A

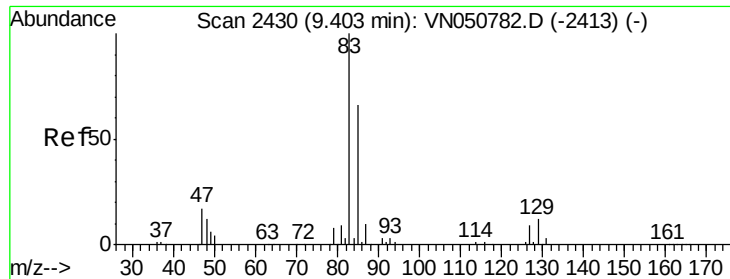
Tot Ion	Ratio	Lower	Upper
41	100		
39	47.1	45.4	68.0
67	0.0	70.6	106.0#
52	0.0	27.1	40.7#



#43
Isopropyl Acetate
Concen: 25.79 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050831.D
Acq: 22 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.4	17.5	26.3#
87	11.3	11.3	16.9





#47

Bromodichloromethane

Concen: 0.26 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

EO-01-082118-A

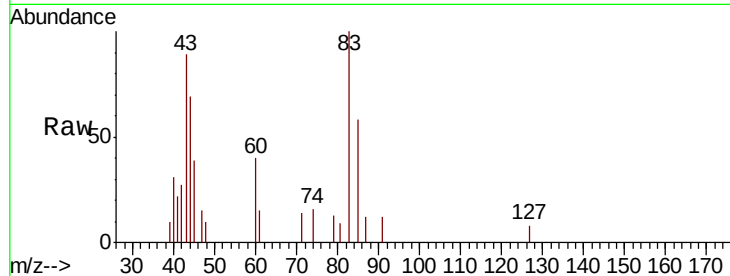
Tot Ion: 83 Resp: 3298

Ion Ratio Lower Upper

83 100

85 57.9 52.6 78.8

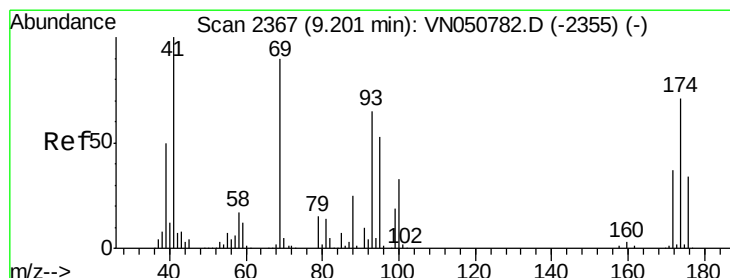
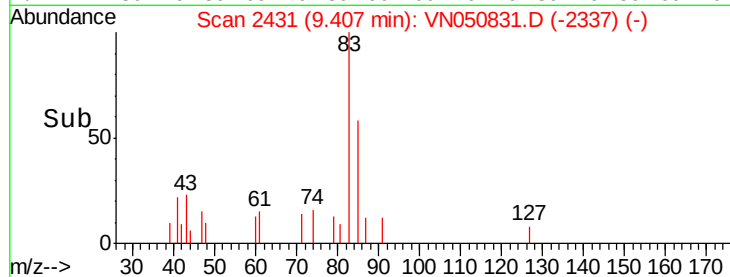
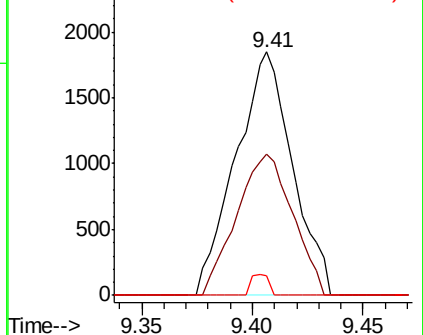
127 8.3 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050831.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050831.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050831.D (-2337) (-)



#48

Methyl methacrylate

Concen: 1.42 ug/l

RT: 9.18 min Scan# 2360

Delta R.T. -0.02 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

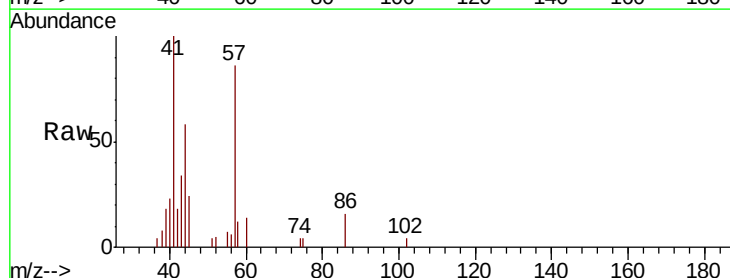
Tgt Ion: 41 Resp: 9409

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

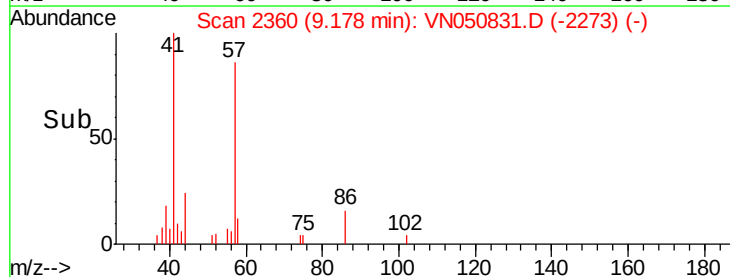
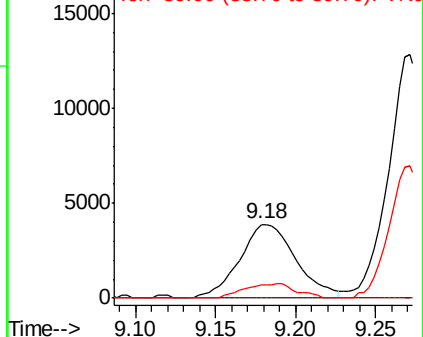
39 17.8 42.2 63.2#

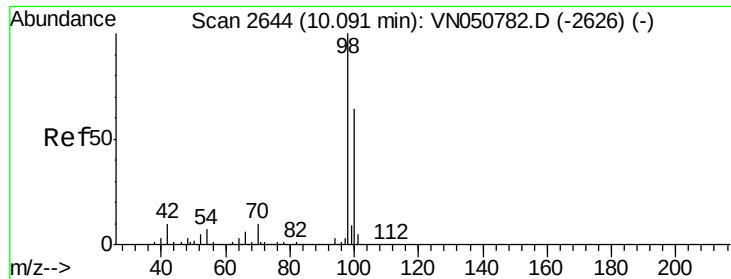


Abundance Ion 41.00 (40.70 to 41.70): VN050831.D (-2273) (-)

Ion 69.00 (68.70 to 69.70): VN050831.D (-2273) (-)

Ion 39.00 (38.70 to 39.70): VN050831.D (-2273) (-)





#50

Toluene-d8

Concen: 45.73 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

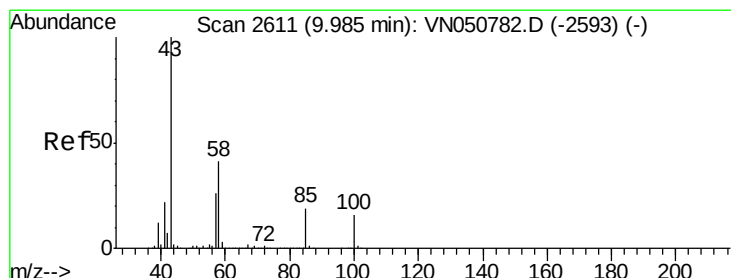
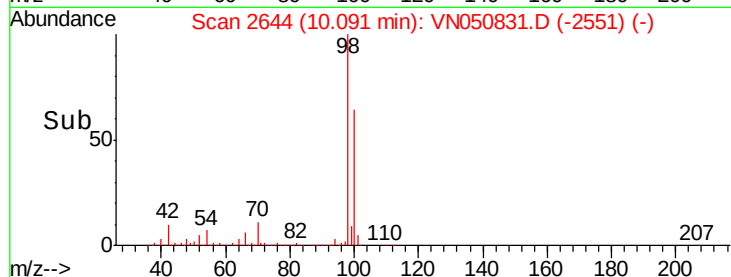
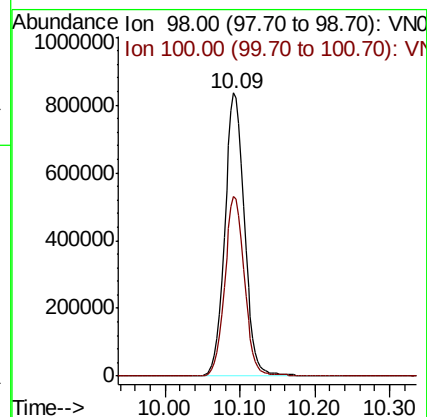
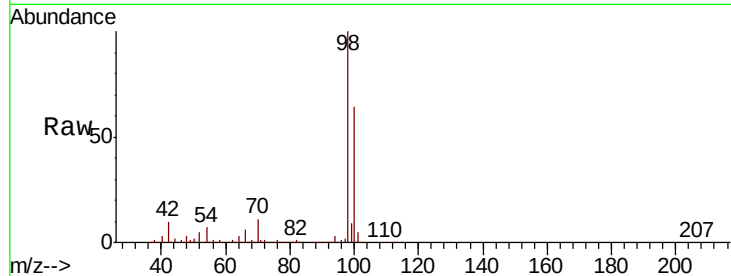
EO-01-082118-A

Tot Ion: 98 Resp: 1515736

Ion Ratio Lower Upper

98 100

100 63.7 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.36 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050831.D

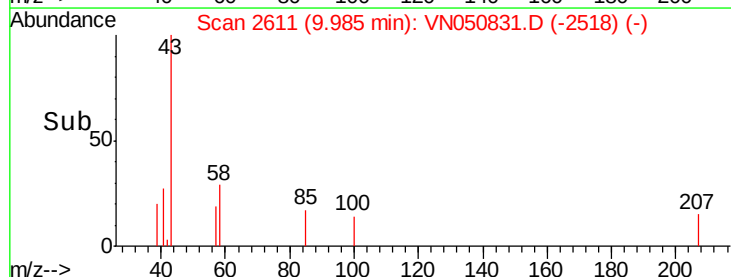
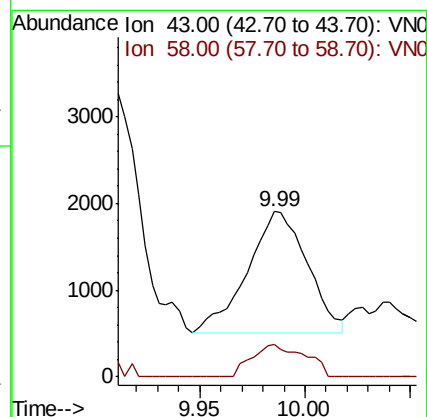
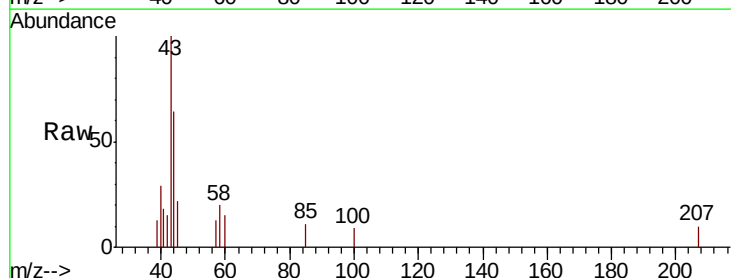
Acq: 22 Aug 2018 19:58

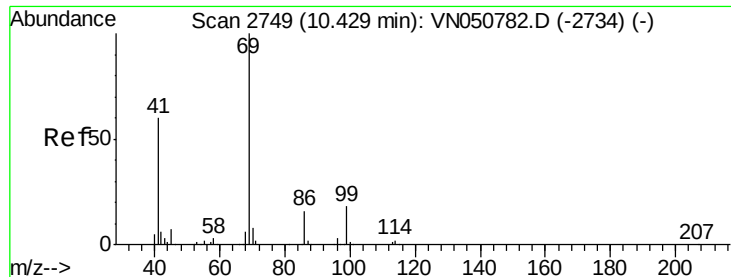
Tgt Ion: 43 Resp: 2771

Ion Ratio Lower Upper

43 100

58 23.4 32.4 48.6#





#56

Ethyl methacrylate

Concen: 2.61 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

EO-01-082118-A

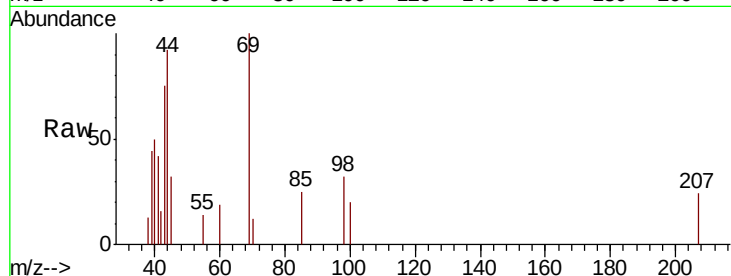
Tot Ion: 69 Resp: 3061

Ion Ratio Lower Upper

69 100

41 20.1 48.3 72.5#

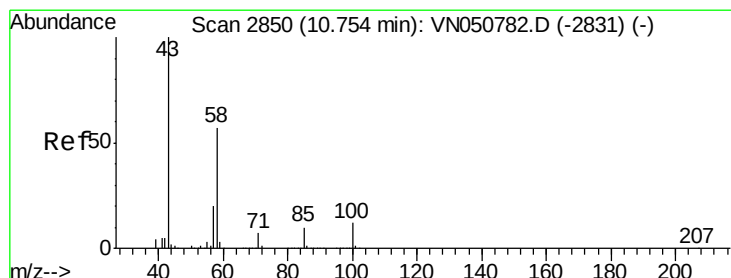
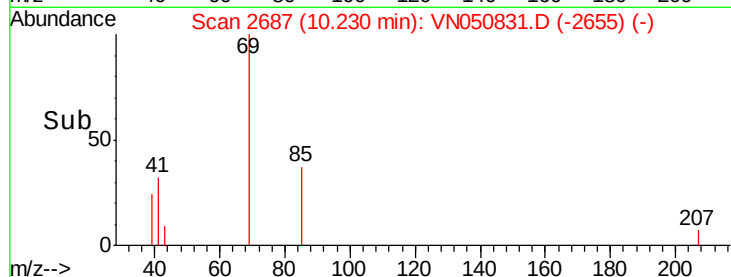
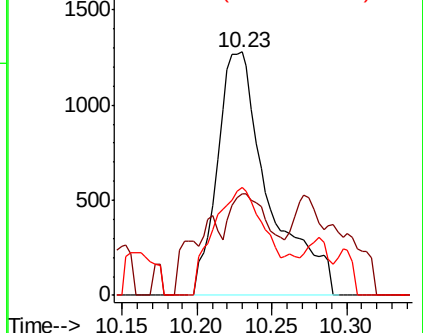
39 45.5 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 3.69 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050831.D

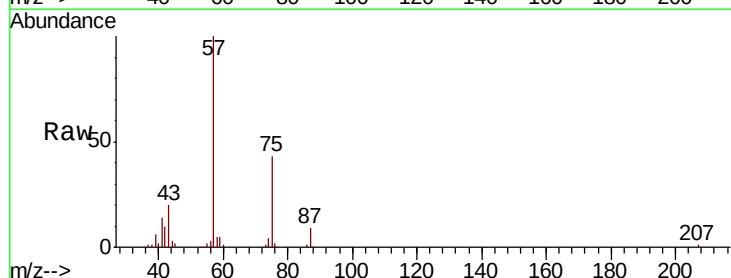
Acq: 22 Aug 2018 19:58

Tgt Ion: 43 Resp: 19042

Ion Ratio Lower Upper

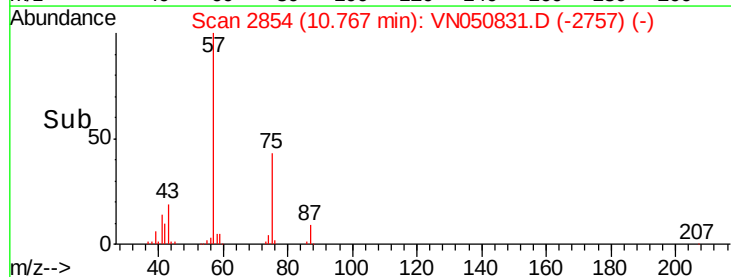
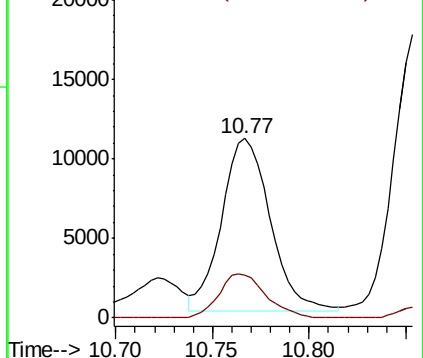
43 100

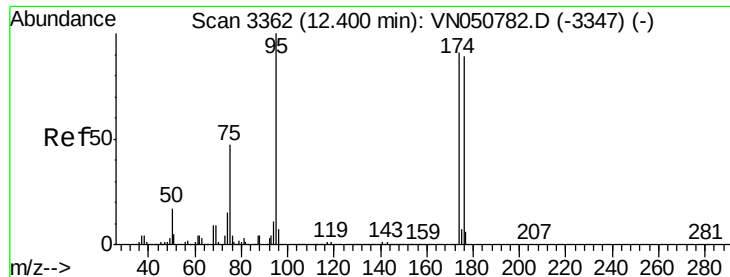
58 24.8 28.3 85.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

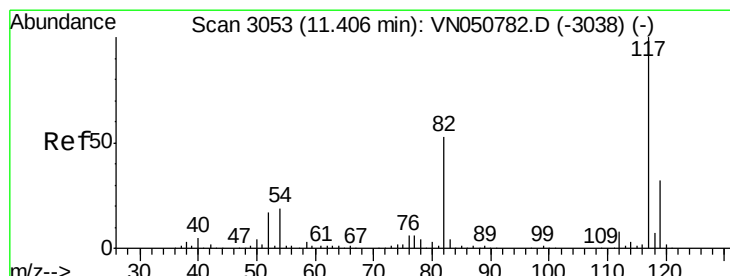
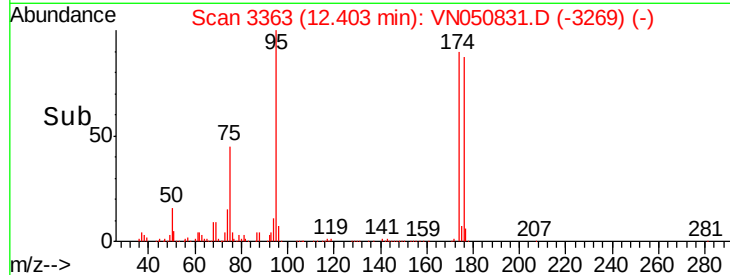
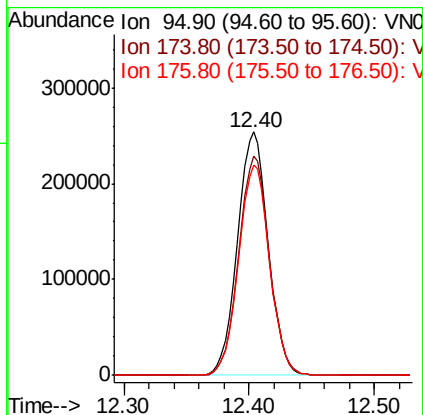
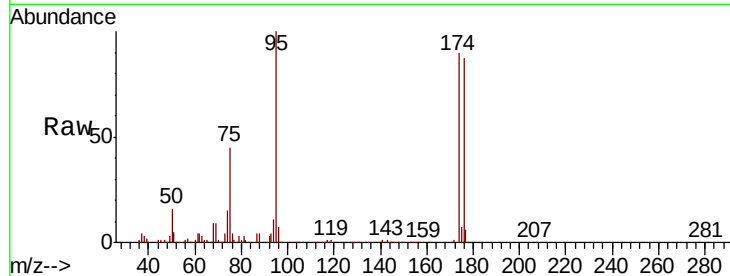




#62
4-Bromofluorobenzene
Concen: 39.09 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050831.D
Acq: 22 Aug 2018 19:58

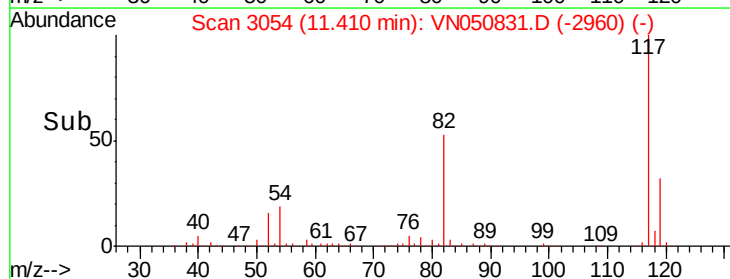
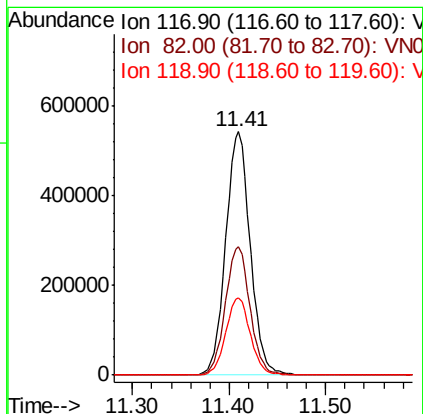
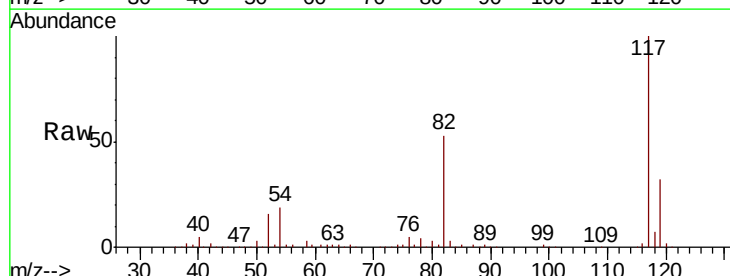
Instrument :
MSVOA_N
ClientSampleId :
EO-01-082118-A

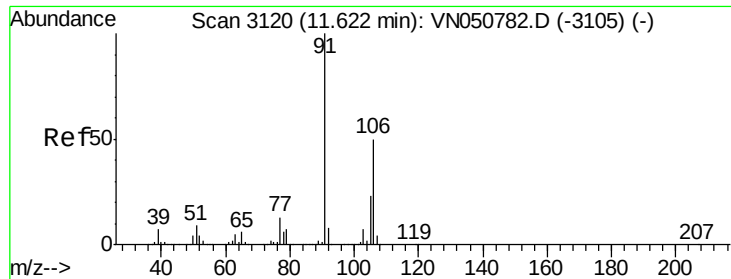
Tot Ion: 95 Resp: 430522
Ion Ratio Lower Upper
95 100
174 90.2 0.0 183.0
176 87.2 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050831.D
Acq: 22 Aug 2018 19:58

Tgt Ion: 117 Resp: 953618
Ion Ratio Lower Upper
117 100
82 52.9 42.6 64.0
119 31.9 25.8 38.6

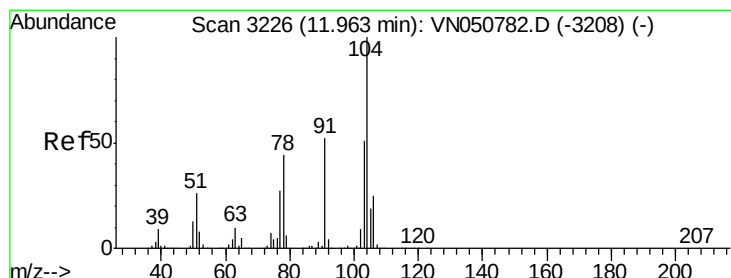
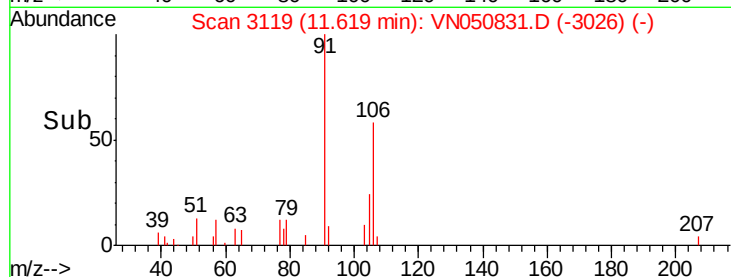
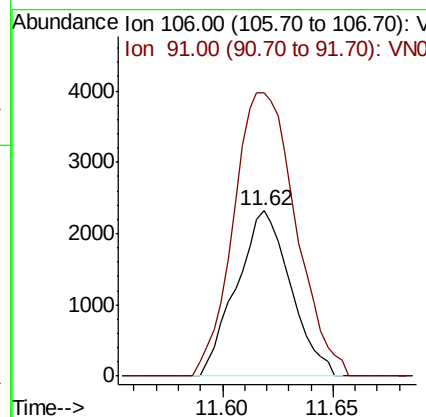
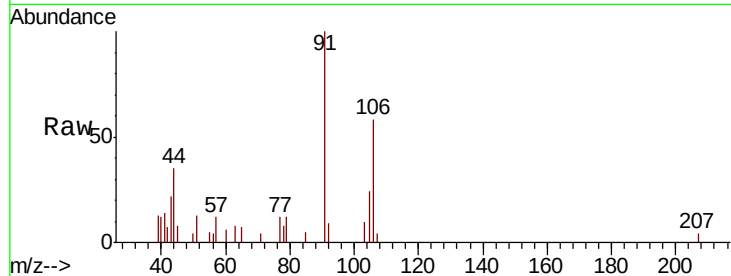




#68
m/p-Xylenes
Concen: 0.26 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050831.D
Acq: 22 Aug 2018 19:58

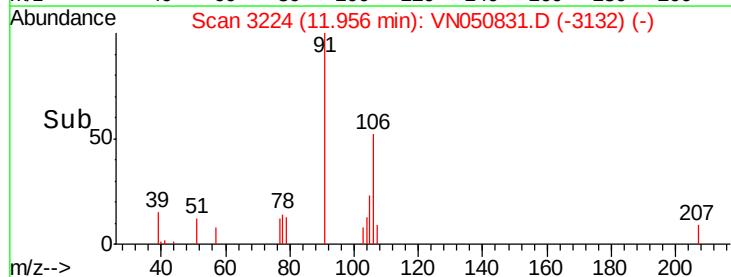
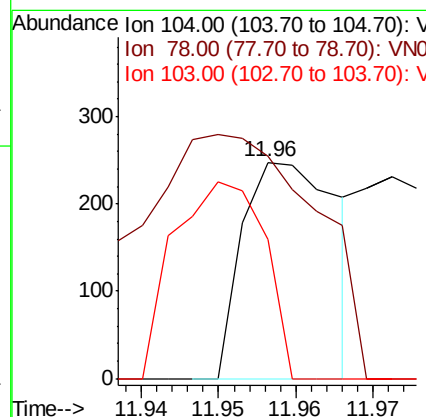
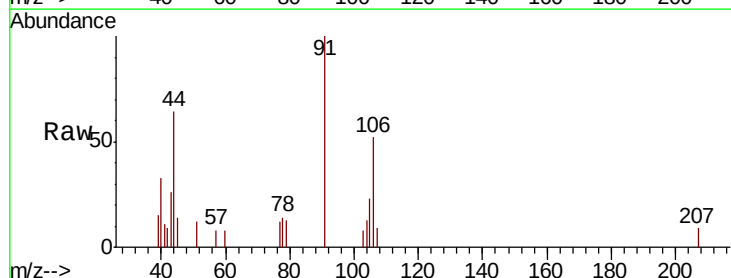
Instrument :
MSVOA_N
ClientSampleId :
EO-01-082118-A

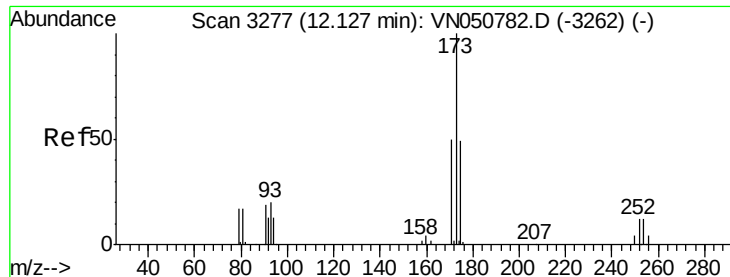
Tot Ion:106 Resp: 3956
Ion Ratio Lower Upper
106 100
91 196.6 161.0 241.6



#70
Styrene
Concen: 1.28 ug/l
RT: 11.96 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VN050831.D
Acq: 22 Aug 2018 19:58

Tgt Ion:104 Resp: 211
Ion Ratio Lower Upper
104 100
78 202.8 38.2 57.4#
103 86.7 44.4 66.6#





#71

Bromoform

Concen: 0.23 ug/l

RT: 12.40 min Scan# 3361

Delta R.T. 0.27 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

EO-01-082118-A

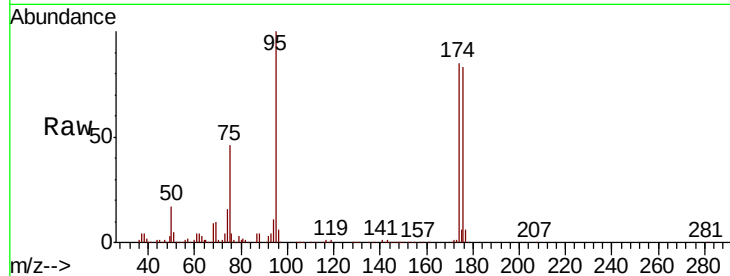
Tot Ion:173 Resp: 1414

Ion Ratio Lower Upper

173 100

175 1628.9 24.4 73.4#

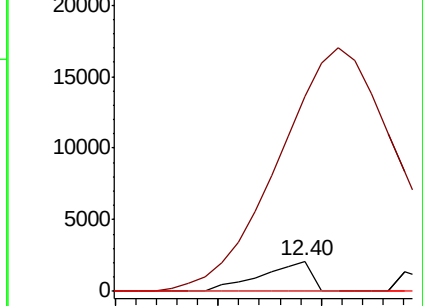
254 0.0 0.1 0.1#



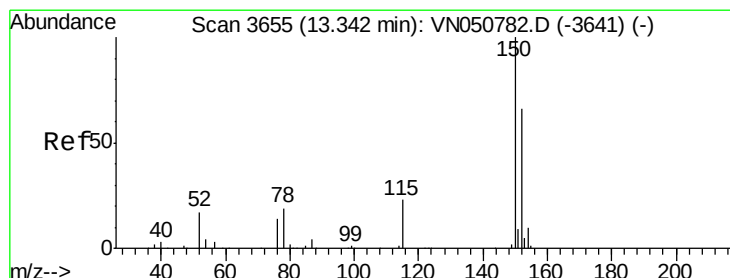
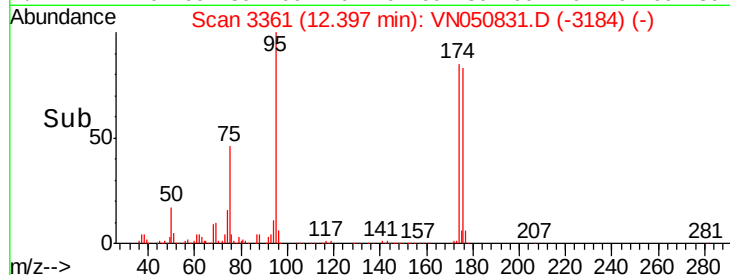
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time--> 12.36 12.38 12.40



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

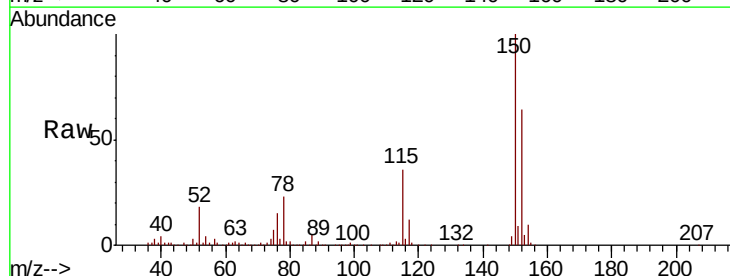
Tgt Ion:152 Resp: 361532

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.4

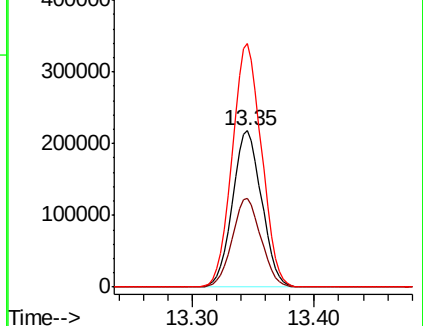
150 156.9 0.0 351.4



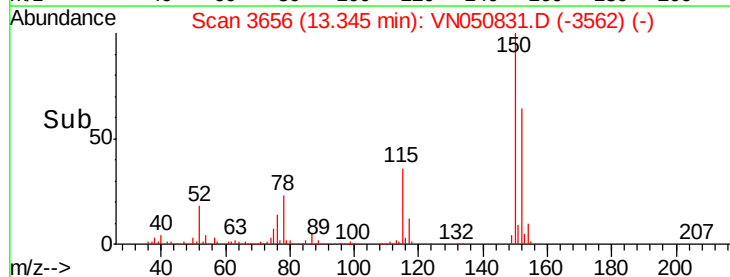
Abundance Ion 151.90 (151.60 to 152.60): V

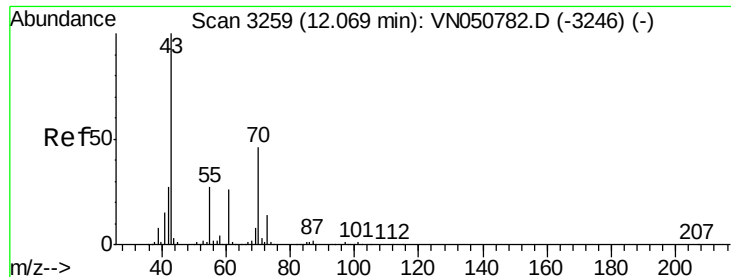
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 13.30 13.40





#74

N-amvl acetate

Concen: 0.22 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.02 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

EO-01-082118-A

Tot Ion: 43 Resp: 1678

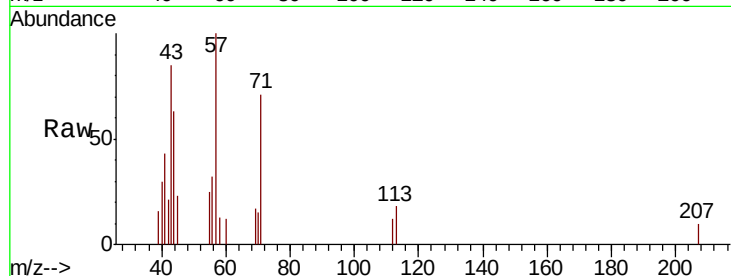
Ion Ratio Lower Upper

43 100

70 20.2 36.2 54.2#

55 42.8 21.8 32.8#

61 0.0 20.5 30.7#



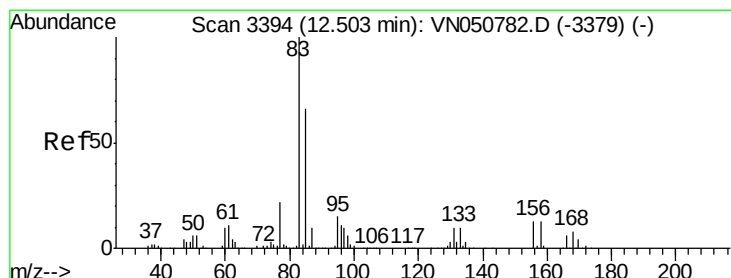
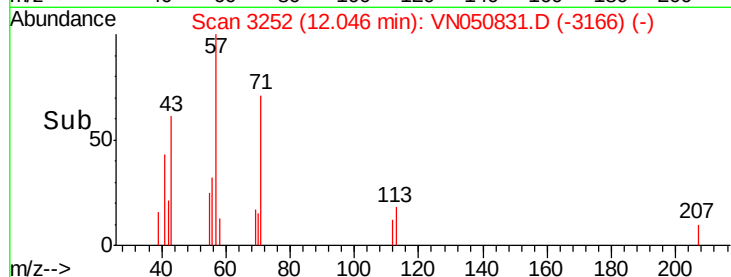
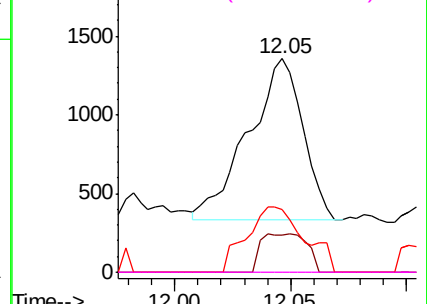
Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.57 min Scan# 3414

Delta R.T. 0.07 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

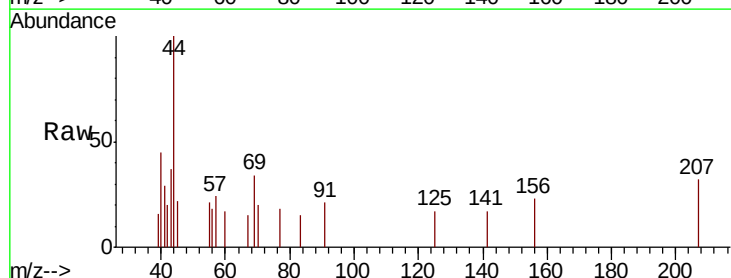
Tgt Ion: 83 Resp: 58

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 0.0 31.9 95.7#

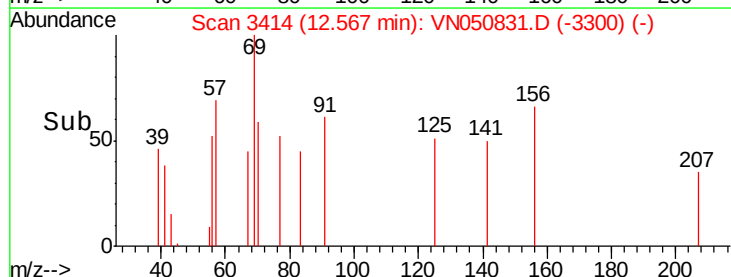
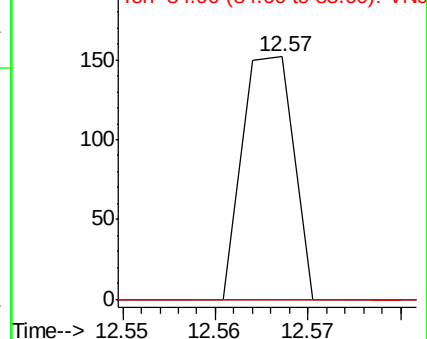


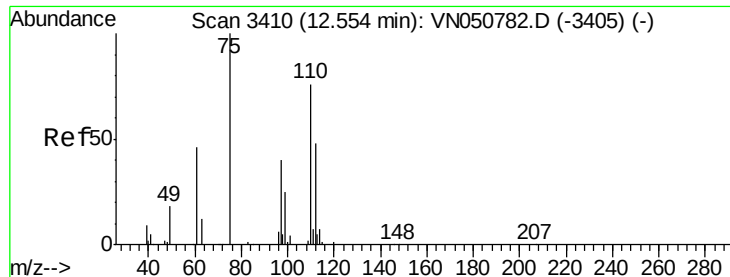
Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 31.55 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

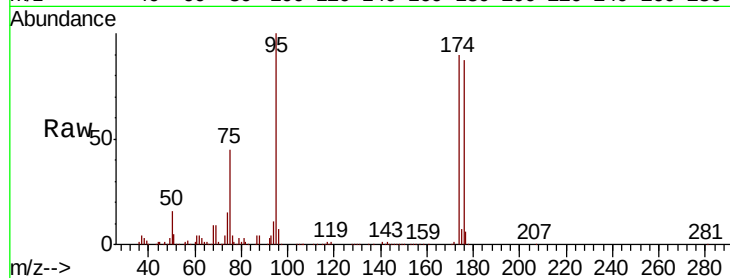
EO-01-082118-A

Tot Ion: 75 Resp: 199758

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050831.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN050831.D (-3317) (-)

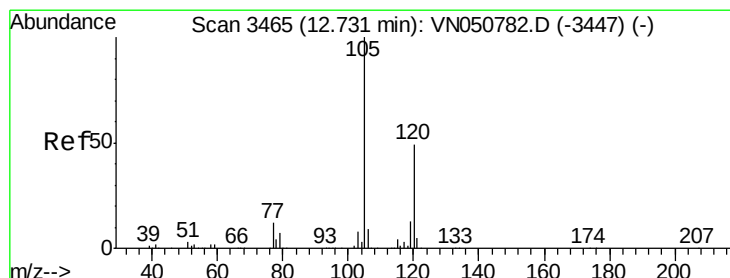
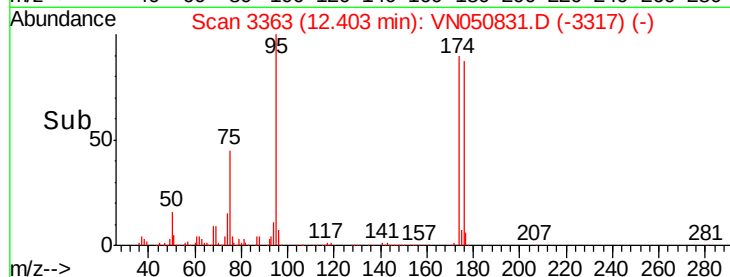
12.40

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.30 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050831.D

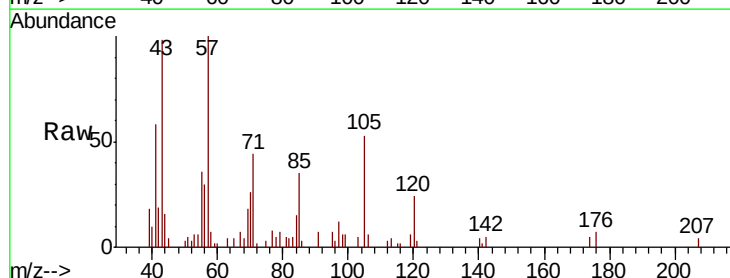
Acq: 22 Aug 2018 19:58

Tgt Ion: 105 Resp: 7190

Ion Ratio Lower Upper

105 100

120 41.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050831.D (-3372) (-)

Ion 120.00 (119.70 to 120.70): VN050831.D (-3372) (-)

12.73

5000

4000

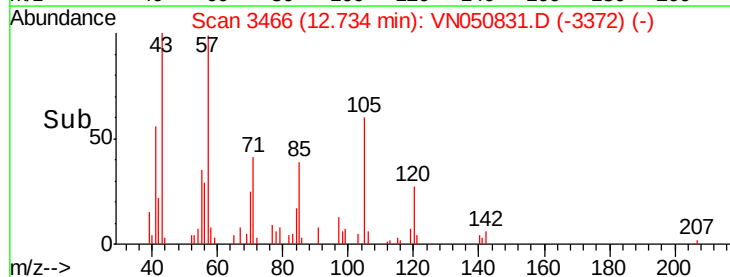
3000

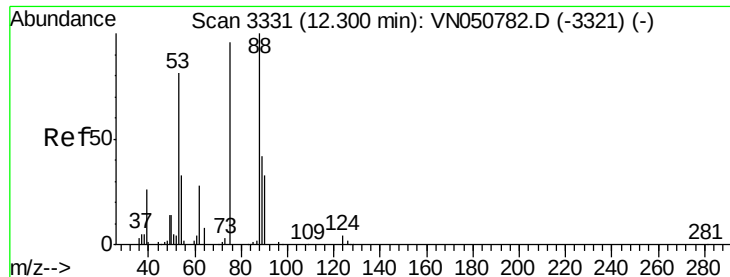
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 106.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampleId :

EO-01-082118-A

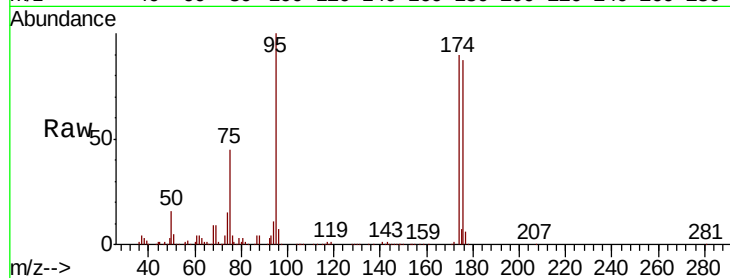
Tot Ion: 75 Resp: 199758

Ion Ratio Lower Upper

75 100

53 0.2 68.9 103.3#

89 0.0 36.1 54.1#

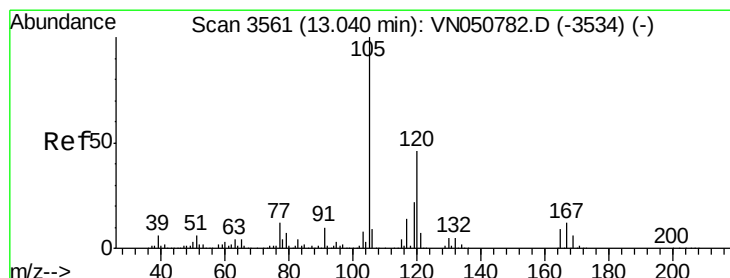
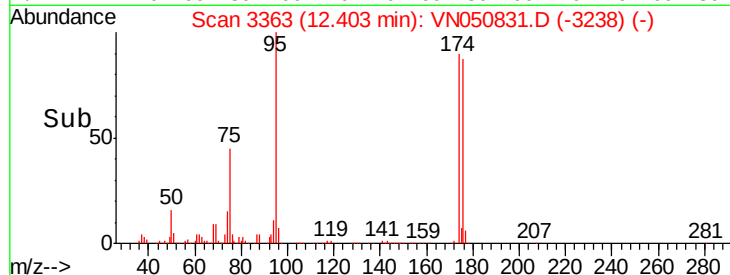
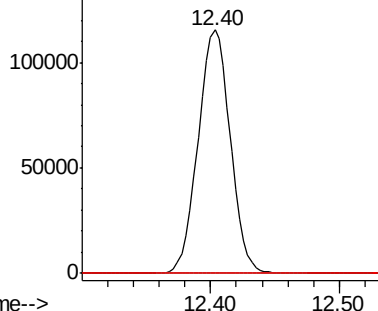


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.64 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050831.D

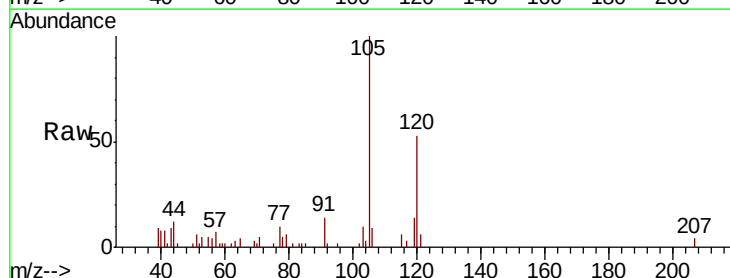
Acq: 22 Aug 2018 19:58

Tgt Ion: 105 Resp: 15491

Ion Ratio Lower Upper

105 100

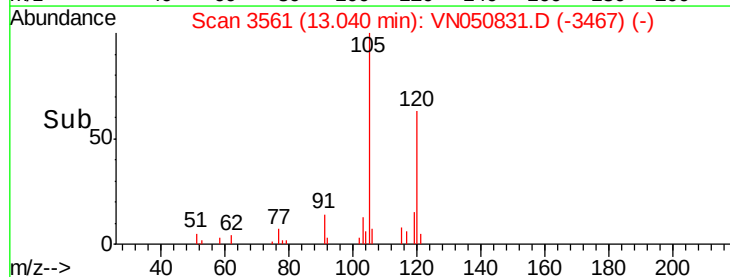
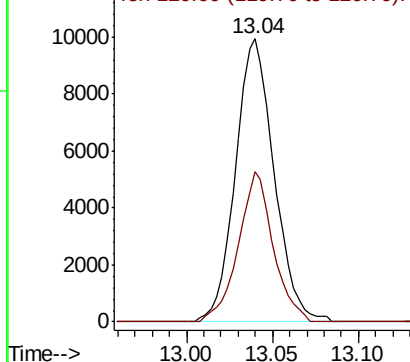
120 47.8 22.9 68.8

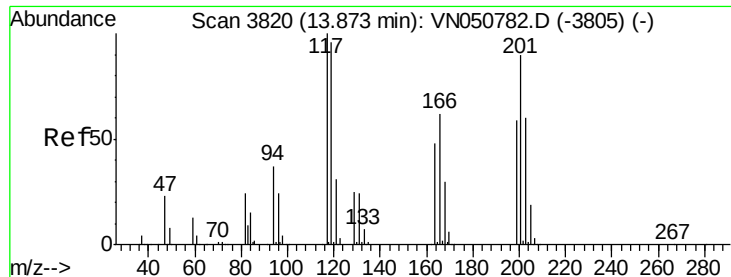


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.39 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

Instrument :

MSVOA_N

ClientSampled :

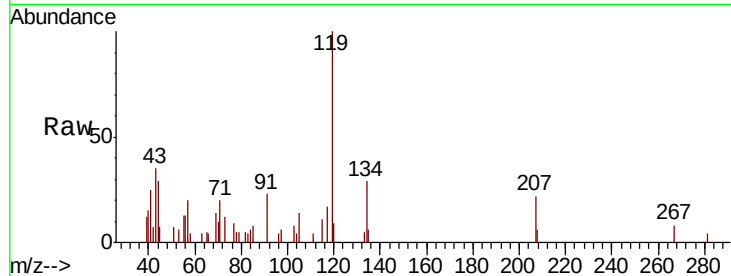
EO-01-082118-A

Tot Ion:117 Resp: 898

Ion Ratio Lower Upper

117 100

201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

800

600

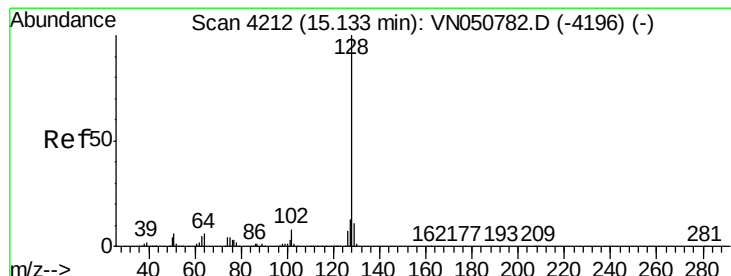
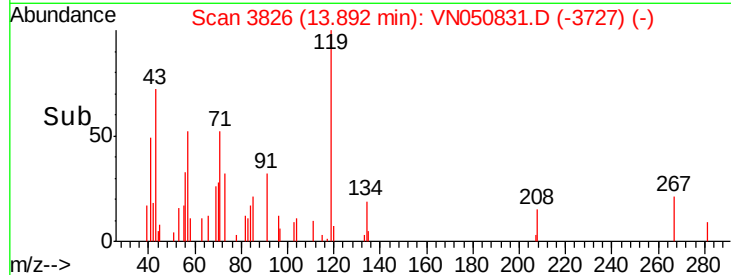
400

200

0

Time--> 13.85

13.90



#95

Naphthalene

Concen: 10.74 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050831.D

Acq: 22 Aug 2018 19:58

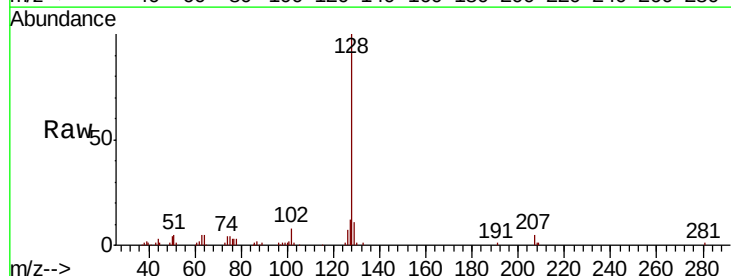
Tgt Ion:128 Resp: 86405

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.7 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

60000

40000

20000

0

Time--> 15.05

15.10

15.15

15.20

