

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050428.D
 Acq On : 7 Aug 2018 13:47
 Operator : MD\SY
 Sample : J4297-01
 Misc : 5.31g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Aug 08 05:22:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	650803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1015196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	865380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	364934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	442394	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.59	113	394123	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.09	98	1404063	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
62) 4-Bromofluorobenzene	12.40	95	395920	37.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.86%	

Target Compounds

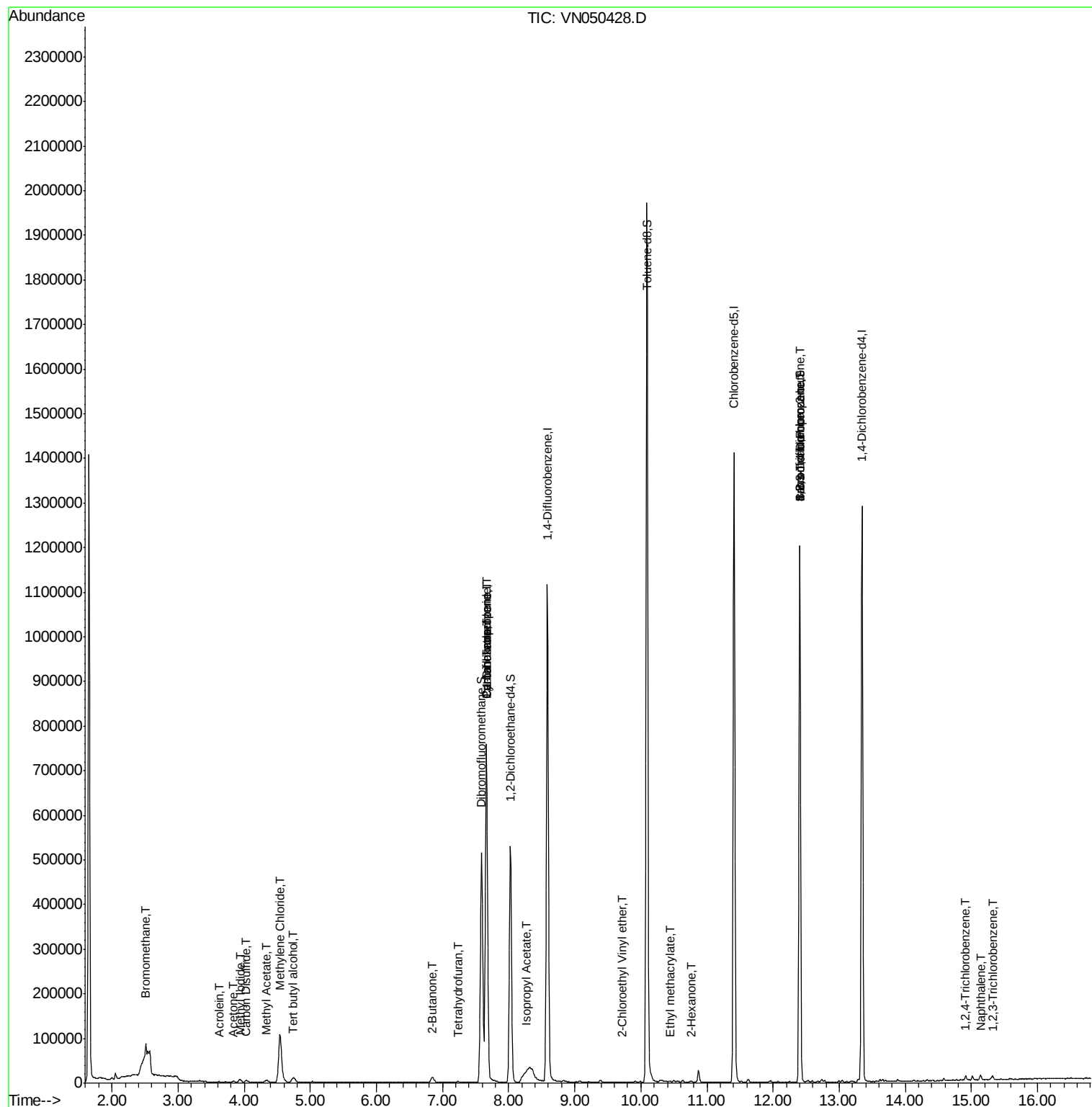
						Qvalue
3) Chloromethane	2.05	50	11602	Below Cal		99
5) Bromomethane	2.51	94	14617	3.38	ug/l	96
10) Methyl Iodide	3.94	142	11942	3.63	ug/l	94
11) Tert butyl alcohol	4.74	59	11070	15.85	ug/l #	72
13) Acrolein	3.61	56	640	15.69	ug/l #	60
16) Acetone	3.82	43	4006	1.19	ug/l	89
17) Carbon Disulfide	4.03	76	6771	0.30	ug/l	99
18) Methyl Acetate	4.33	43	11165	1.47	ug/l #	77
20) Methylene Chloride	4.54	84	90921	10.23	ug/l	98
25) 2-Butanone	6.85	43	2238	0.52	ug/l #	48
29) Tetrahydrofuran	7.22	42	1516	0.66	ug/l #	65
31) Cyclohexane	7.66	56	12430	0.37	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	44706	4.01	ug/l #	48
38) Carbon Tetrachloride	7.66	117	59935	5.15	ug/l #	16
43) Isopropyl Acetate	8.26	43	31209	2.25	ug/l #	63
56) Ethyl methacrylate	10.44	69	29	1.71	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.71	63	32	7.40	ug/l #	48
59) 2-Hexanone	10.76	43	2156	0.31	ug/l	74
71) Bromoform	12.40	173	3679	0.64	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	190425	28.83	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	190425	101.29	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	3268	0.49	ug/l	85
94) Hexachlorobutadiene	15.01	225	1808	Below Cal		99
95) Naphthalene	15.14	128	9654	4.13	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	3836	0.57	ug/l	93

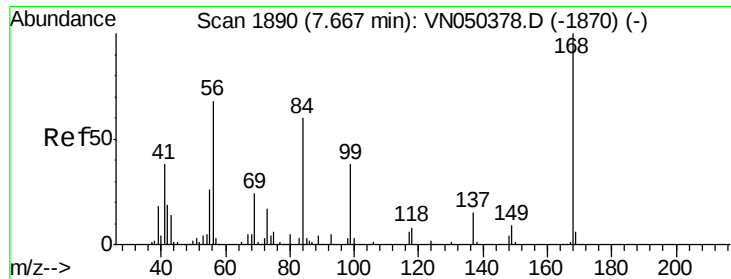
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 05:22:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

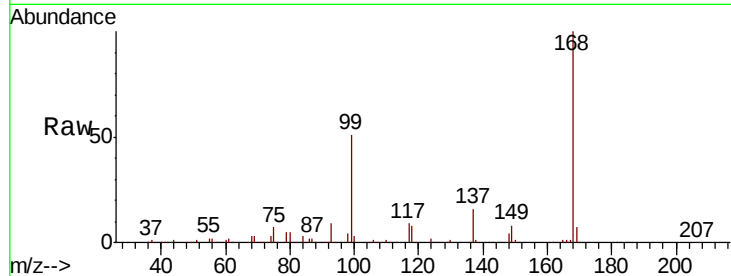
TP-1

Tot Ion:168 Resp: 650803

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

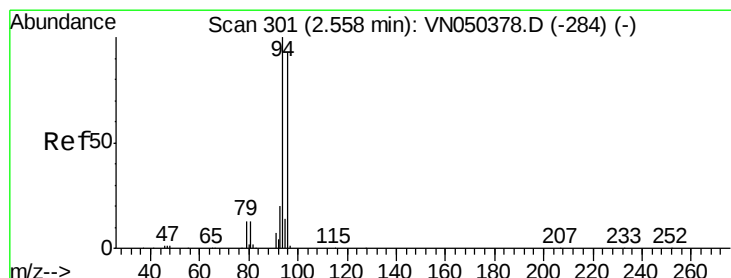
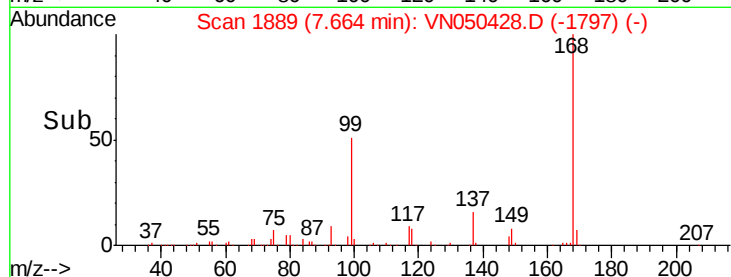
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 3.38 ug/l

RT: 2.51 min Scan# 286

Delta R.T. -0.05 min

Lab File: VN050428.D

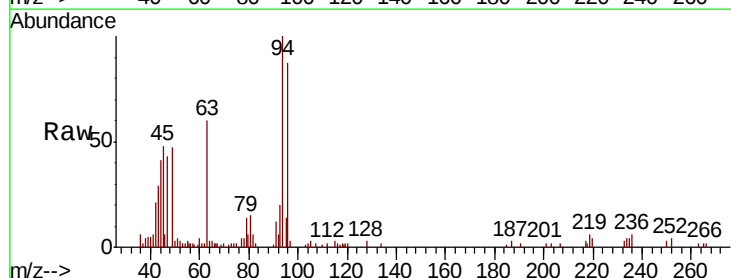
Acq: 7 Aug 2018 13:47

Tgt Ion: 94 Resp: 14617

Ion Ratio Lower Upper

94 100

96 89.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

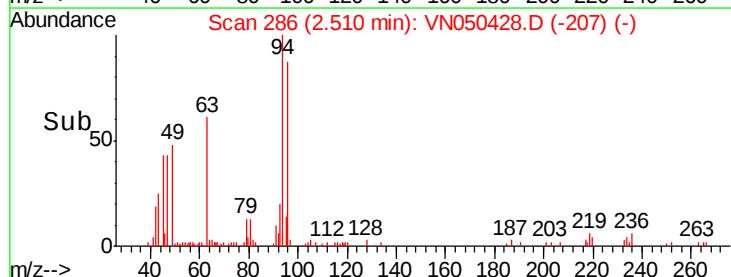
2.51

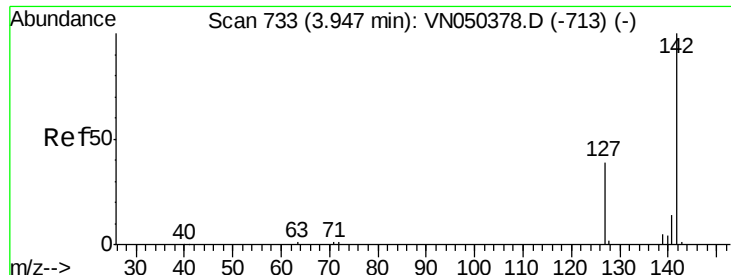
10000

5000

0

Time-->

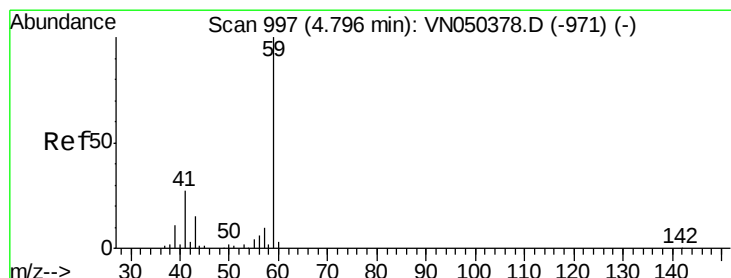
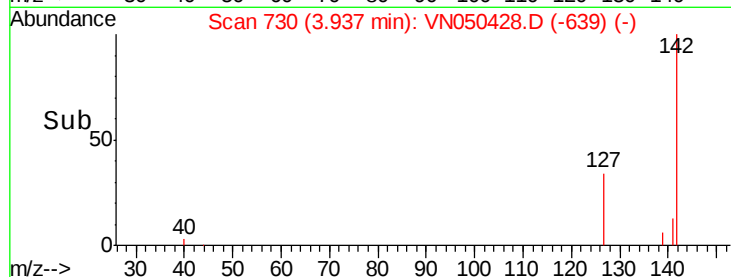
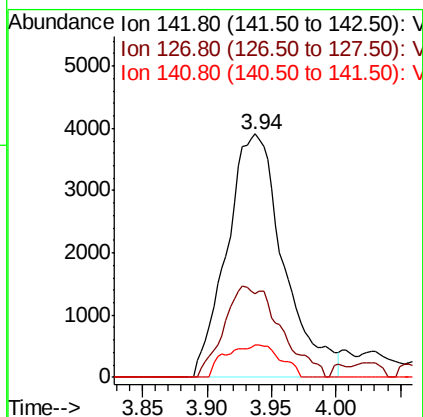
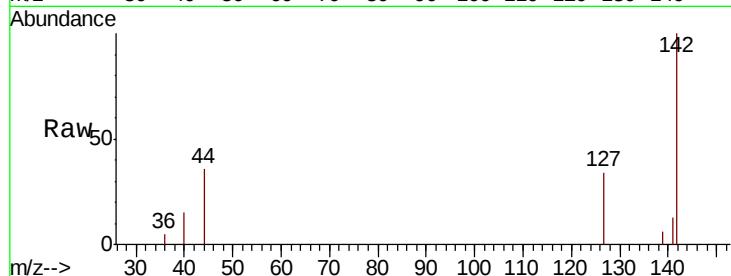




#10
Methvl Iodide
Concen: 3.63 ug/l
RT: 3.94 min Scan# 730
Delta R.T. -0.01 min
Lab File: VN050428.D
Acq: 7 Aug 2018 13:47

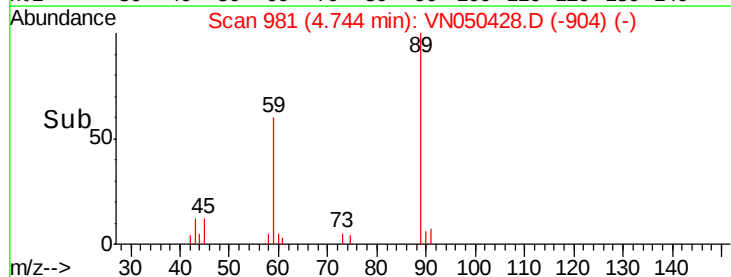
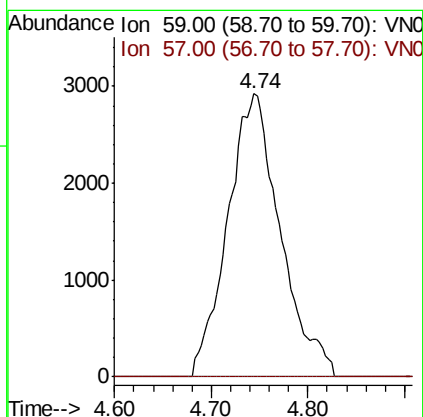
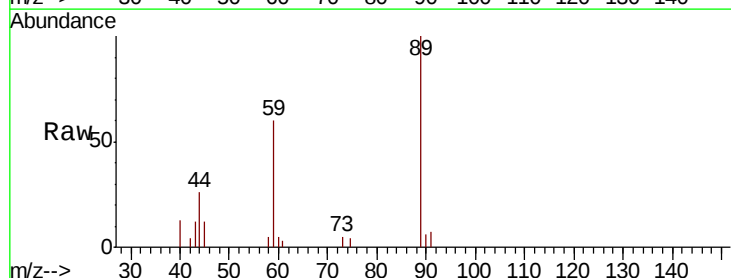
Instrument :
MSVOA_N
ClientSampled :
TP-1

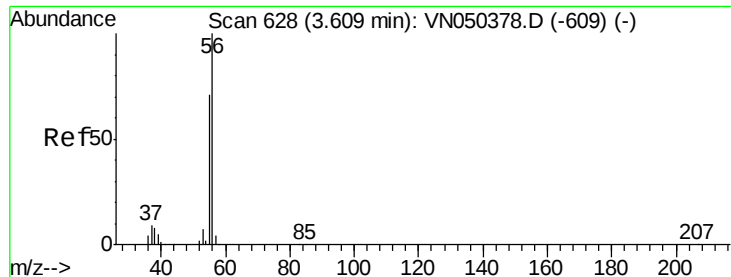
Tot Ion:142 Resp: 11942
Ion Ratio Lower Upper
142 100
127 37.3 33.4 50.2
141 12.9 11.6 17.4



#11
Tert butyl alcohol
Concen: 15.85 ug/l
RT: 4.74 min Scan# 981
Delta R.T. -0.05 min
Lab File: VN050428.D
Acq: 7 Aug 2018 13:47

Tgt Ion: 59 Resp: 11070
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 15.69 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

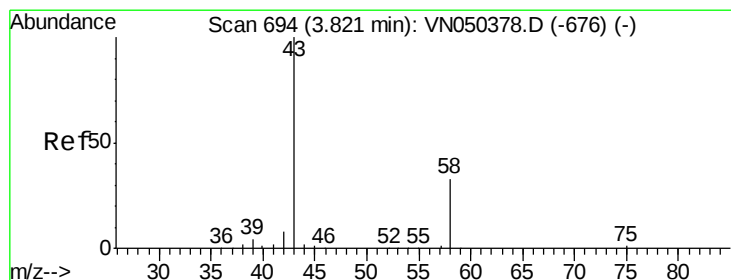
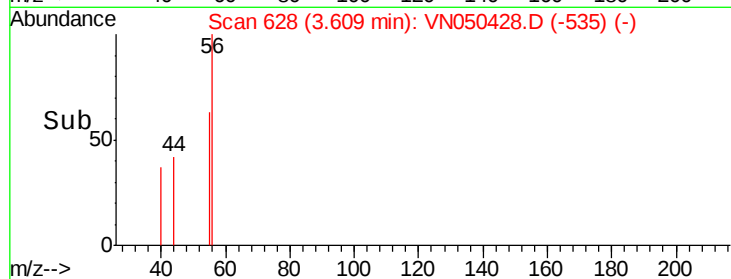
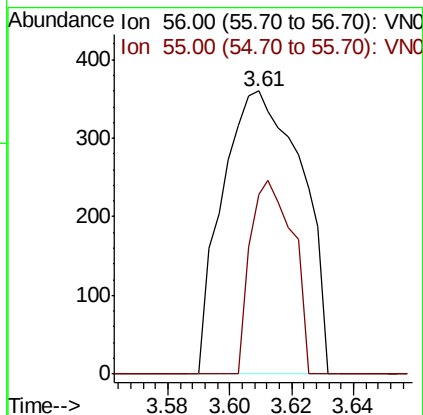
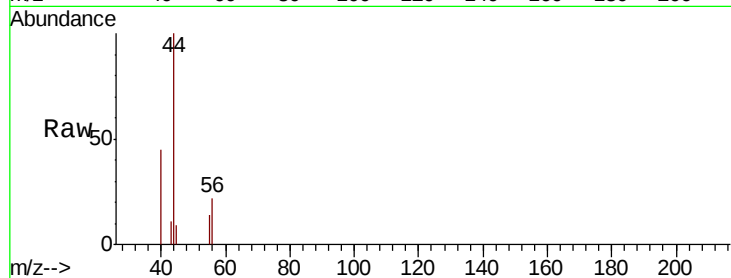
TP-1

Tot Ion: 56 Resp: 640

Ion Ratio Lower Upper

56 100

55 36.6 55.8 83.6#



#16

Acetone

Concen: 1.19 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050428.D

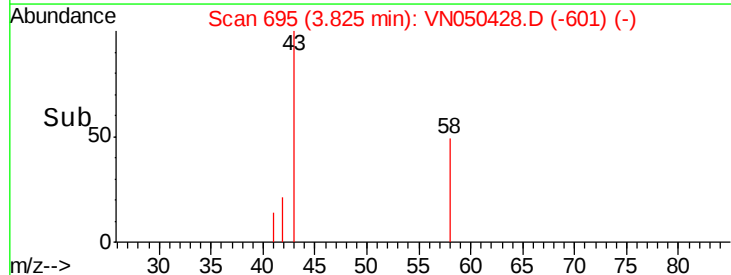
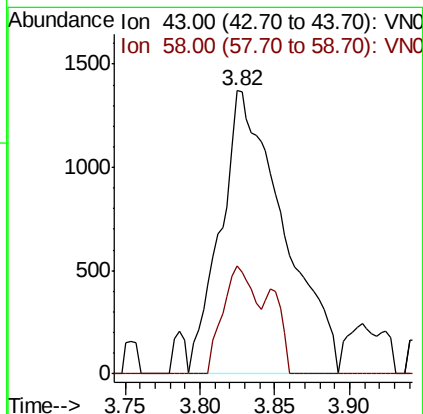
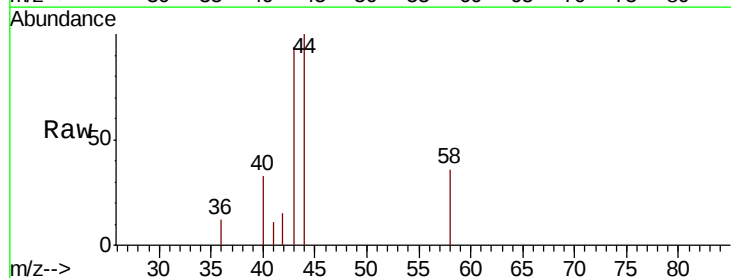
Acq: 7 Aug 2018 13:47

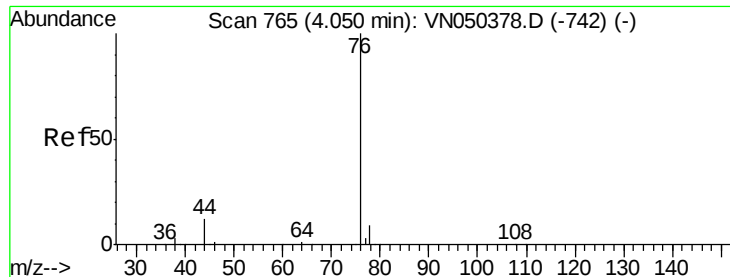
Tgt Ion: 43 Resp: 4006

Ion Ratio Lower Upper

43 100

58 38.4 25.8 38.8

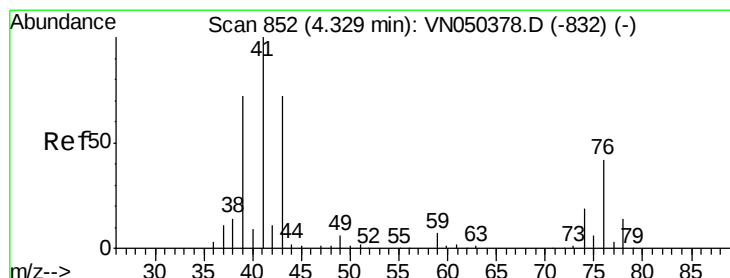
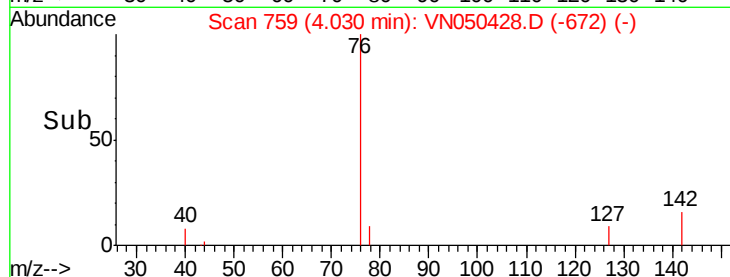
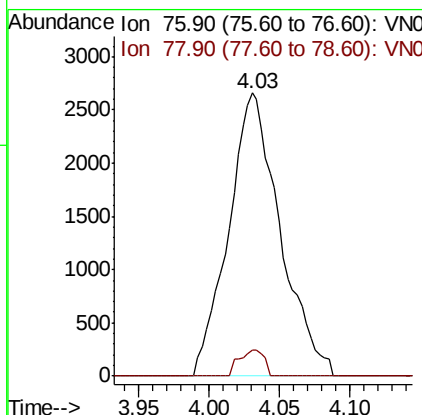
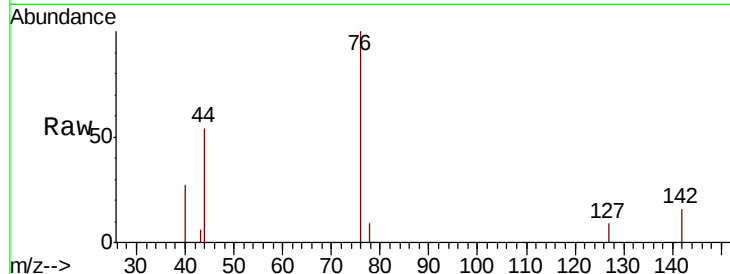




#17
Carbon Disulfide
Concen: 0.30 ug/l
RT: 4.03 min Scan# 759
Delta R.T. -0.02 min
Lab File: VN050428.D
Acq: 7 Aug 2018 13:47

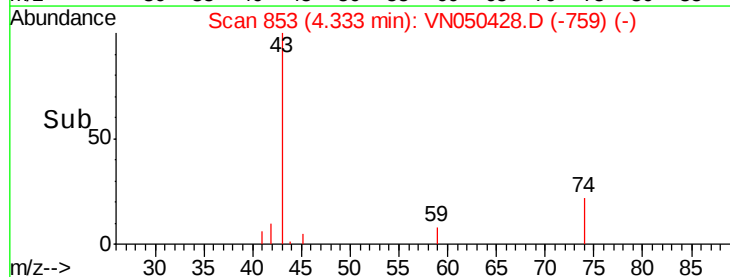
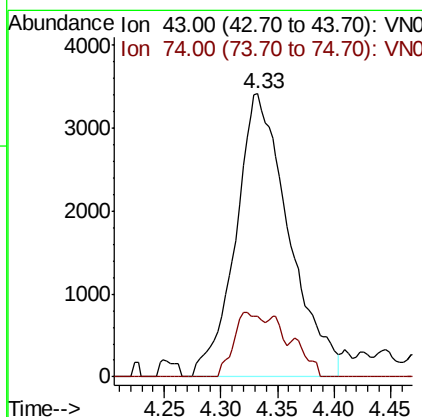
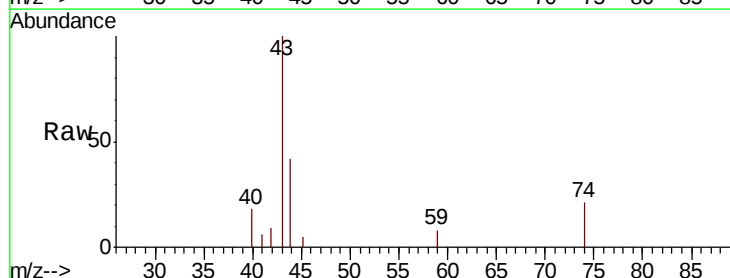
Instrument :
MSVOA_N
ClientSampled :
TP-1

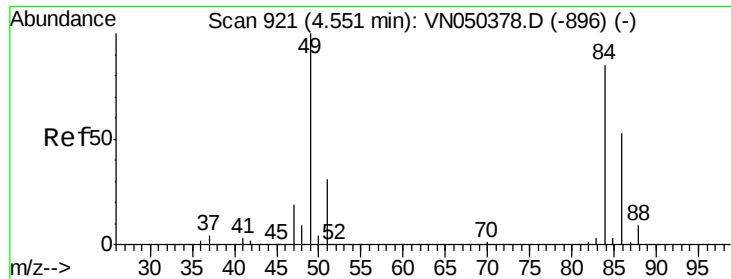
Tot Ion: 76 Resp: 6771
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 1.47 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050428.D
Acq: 7 Aug 2018 13:47

Tgt Ion: 43 Resp: 11165
Ion Ratio Lower Upper
43 100
74 12.5 19.2 28.8#

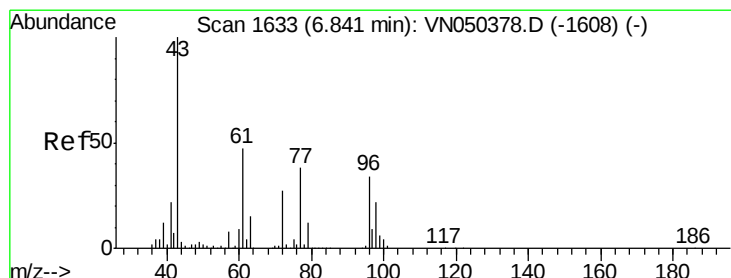
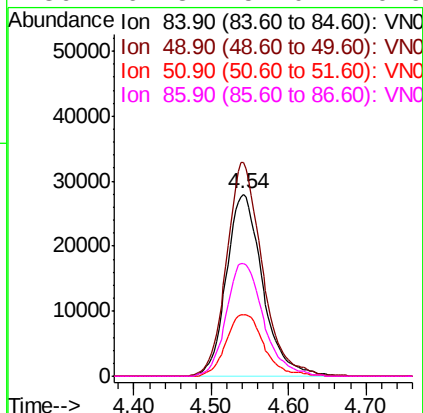
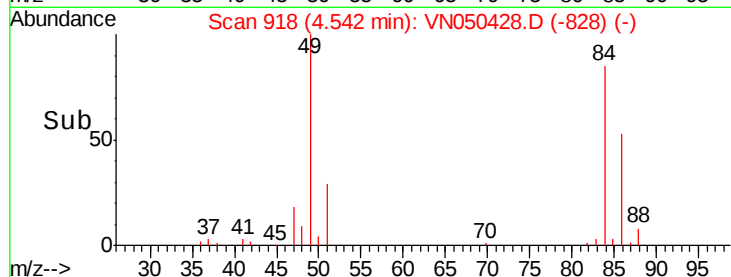
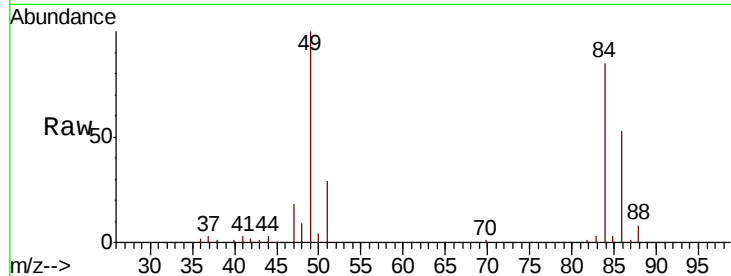




#20
Methvlene Chloride
Concen: 10.23 ug/l
RT: 4.54 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN050428.D
Acq: 7 Aug 2018 13:47

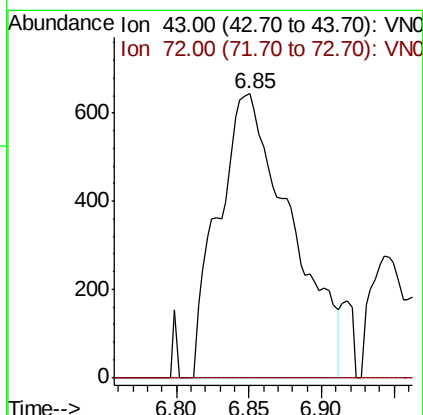
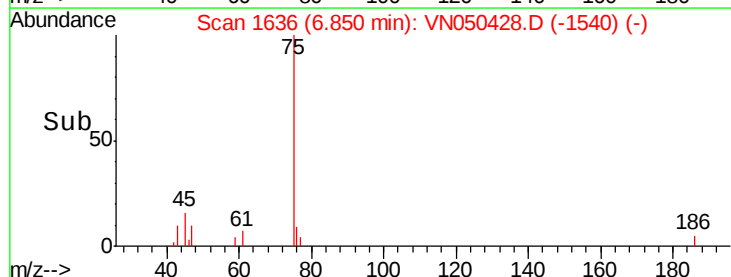
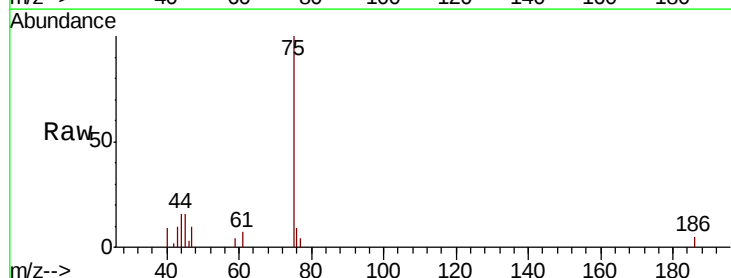
Instrument :
MSVOA_N
ClientSampled :
TP-1

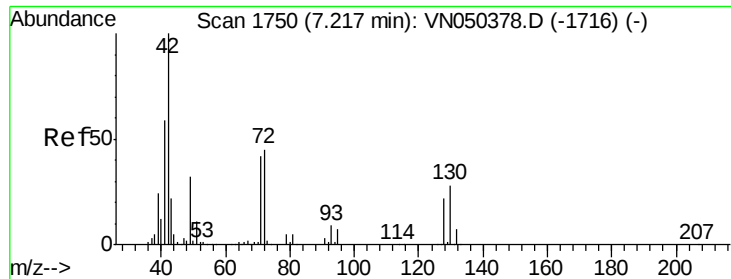
Tot Ion:	84	Resp:	90921
Ion	Ratio	Lower	Upper
84	100		
49	117.1	94.8	142.2
51	33.8	28.3	42.5
86	61.8	51.0	76.6



#25
2-Butanone
Concen: 0.52 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050428.D
Acq: 7 Aug 2018 13:47

Tgt Ion:	43	Resp:	2238
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.5	32.3#

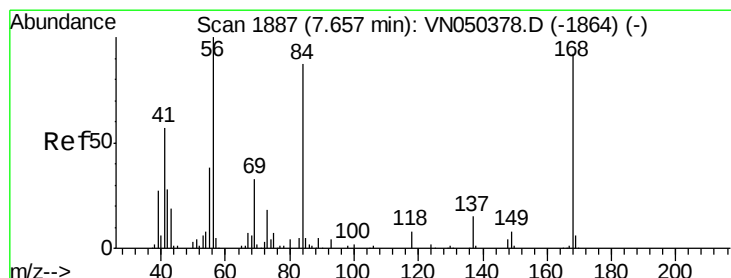
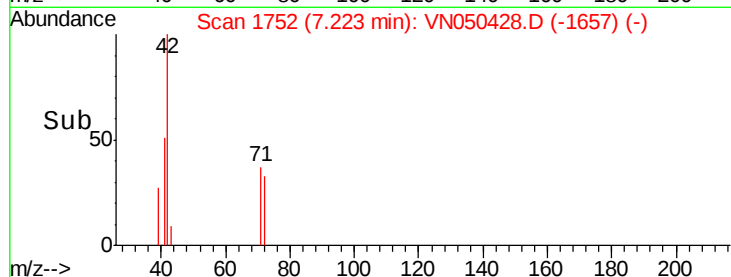
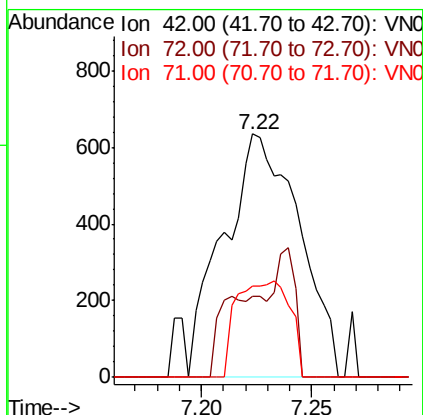
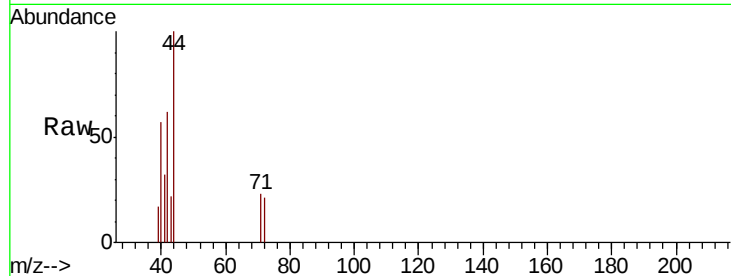




#29
Tetrahydrofuran
Concen: 0.66 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN050428.D
Acq: 7 Aug 2018 13:47

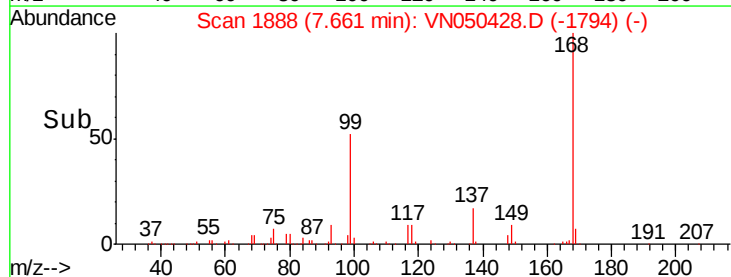
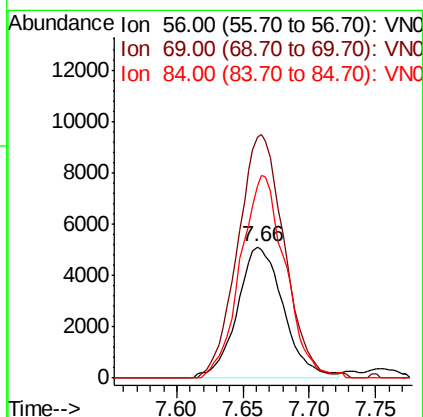
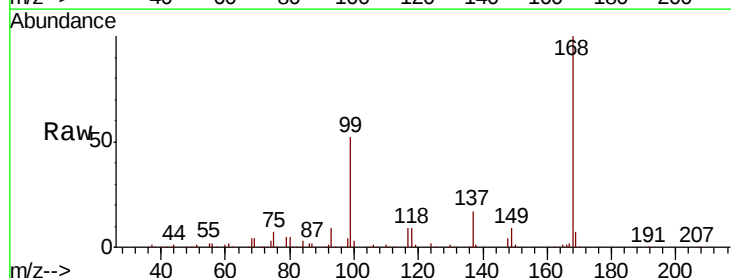
Instrument :
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ClientSampleId :
TP-1

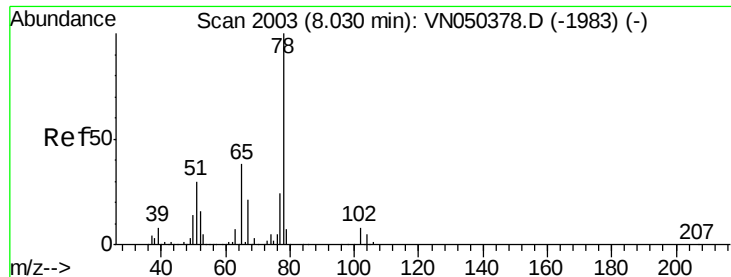
Tot Ion: 42 Resp: 1516
Ion Ratio Lower Upper
42 100
72 14.2 35.9 53.9#
71 27.8 33.7 50.5#



#31
Cyclohexane
Concen: 0.37 ug/l
RT: 7.66 min Scan# 1888
Delta R.T. 0.00 min
Lab File: VN050428.D
Acq: 7 Aug 2018 13:47

Tgt Ion: 56 Resp: 12430
Ion Ratio Lower Upper
56 100
69 182.9 26.2 39.4#
84 146.3 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 50.88 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

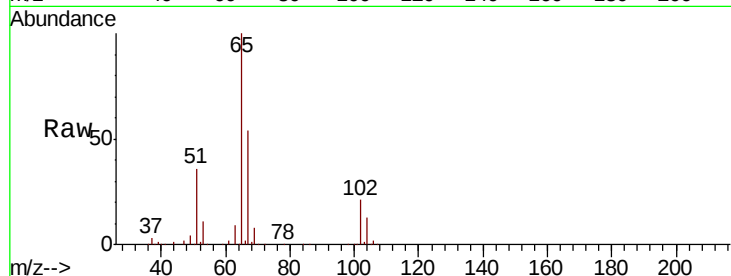
TP-1

Tot Ion: 65 Resp: 442394

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050378.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050378.D (-1983) (-)

8.03

200000

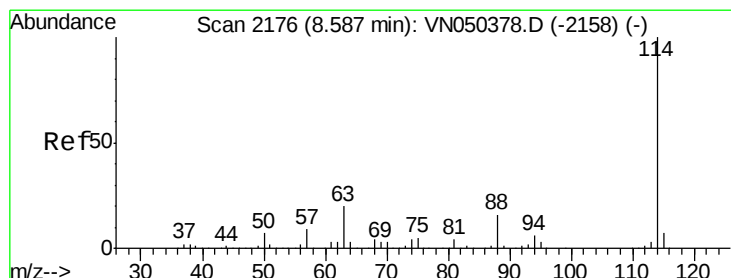
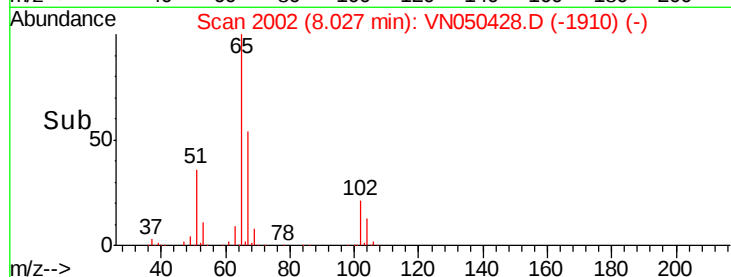
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

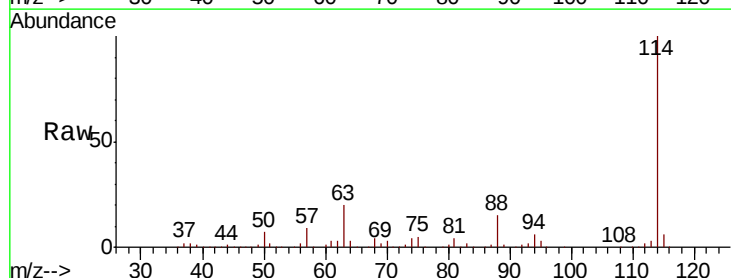
Tgt Ion: 114 Resp: 1015196

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050378.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050378.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050378.D (-2158) (-)

8.59

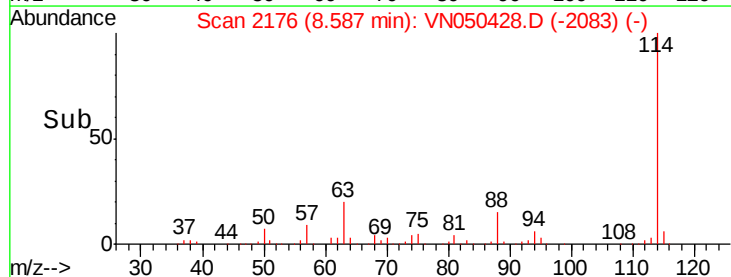
600000

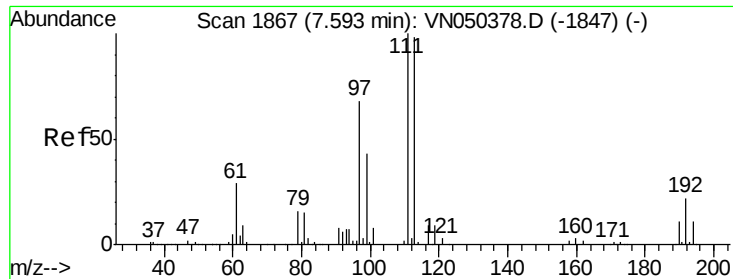
400000

200000

0

Time--> 8.50 8.60 8.70

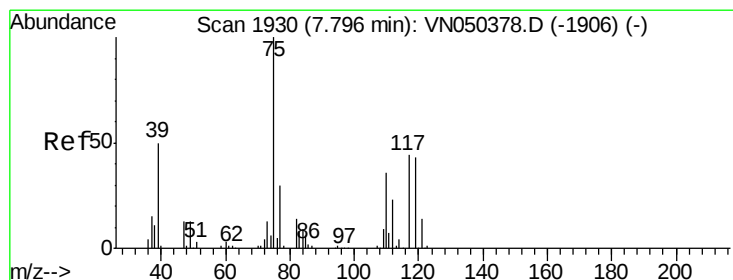
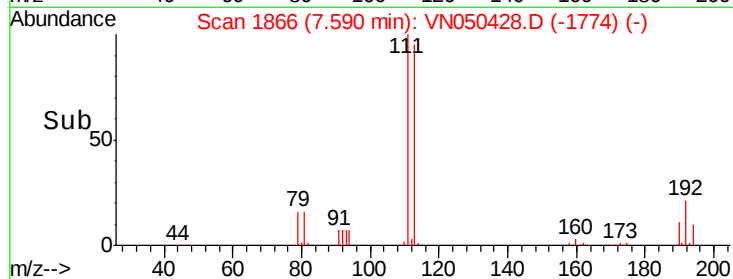
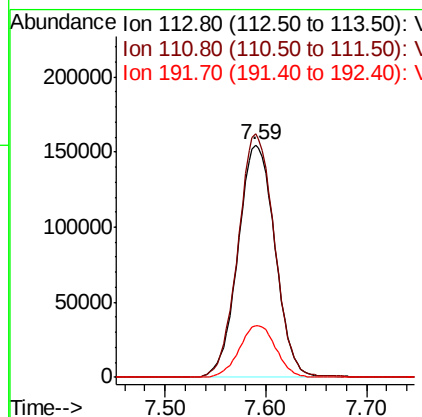
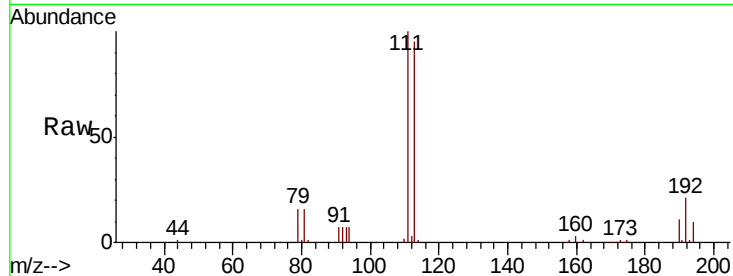




#35
 Dibromofluoromethane
 Concen: 48.38 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050428.D
 Acq: 7 Aug 2018 13:47

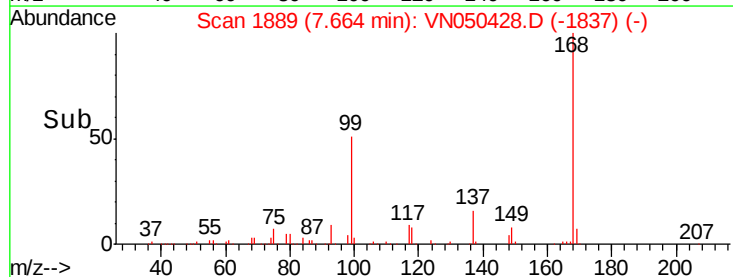
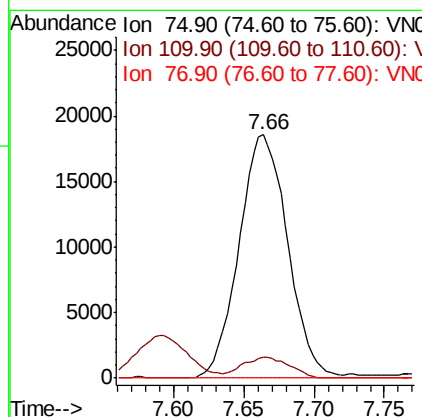
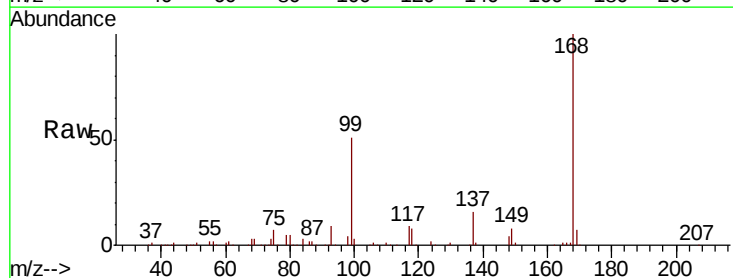
Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

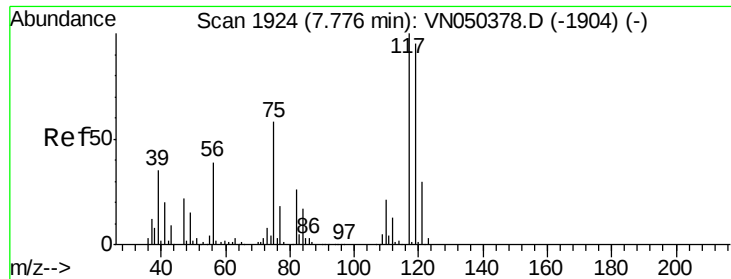
Tot Ion:113 Resp: 394123
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.7 121.1
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 4.01 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN050428.D
 Acq: 7 Aug 2018 13:47

Tgt Ion: 75 Resp: 44706
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.4 55.2#
 77 0.0 25.3 37.9#

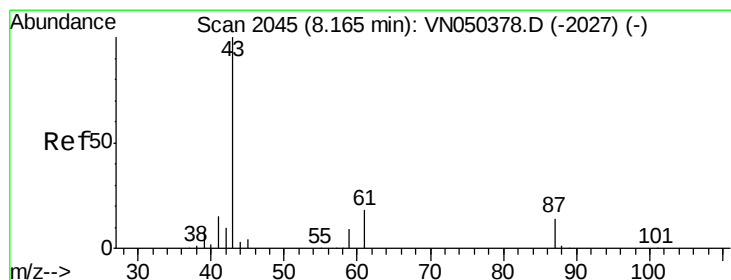
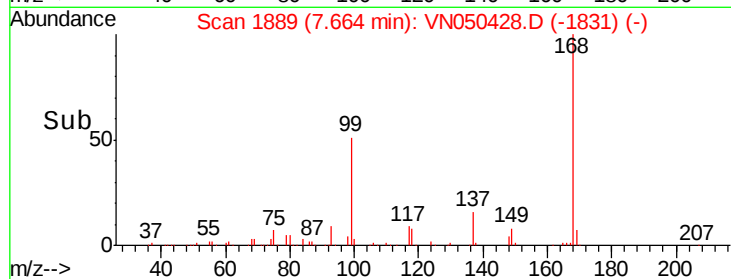
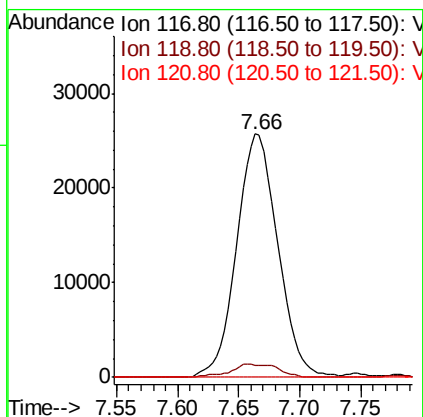
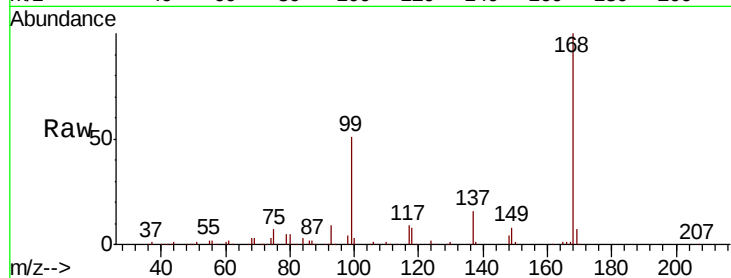




#38
Carbon Tetrachloride
Concen: 5.15 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. -0.11 min
Lab File: VN050428.D
Acq: 7 Aug 2018 13:47

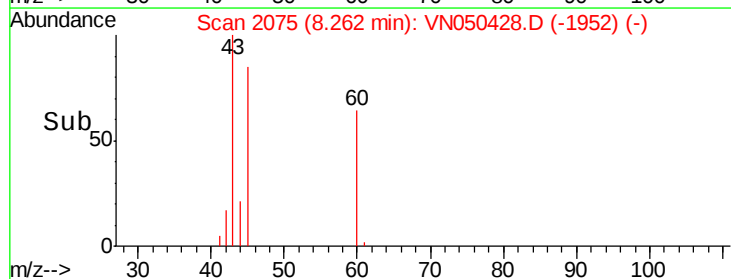
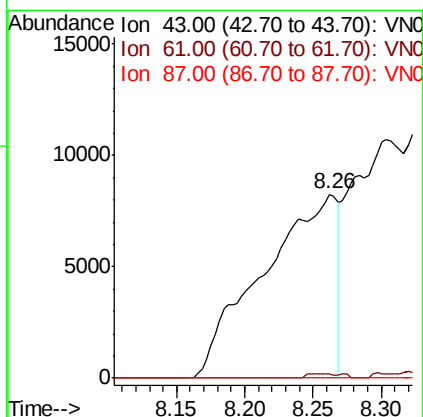
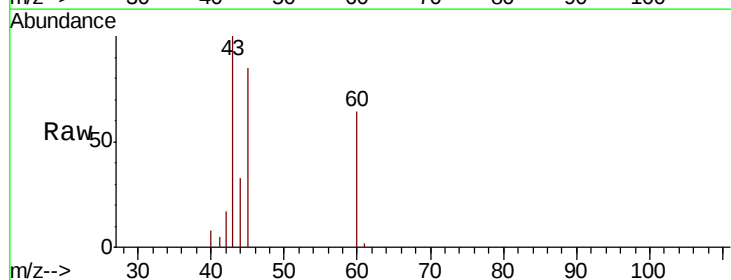
Instrument :
MSVOA_N
ClientSampleId :
TP-1

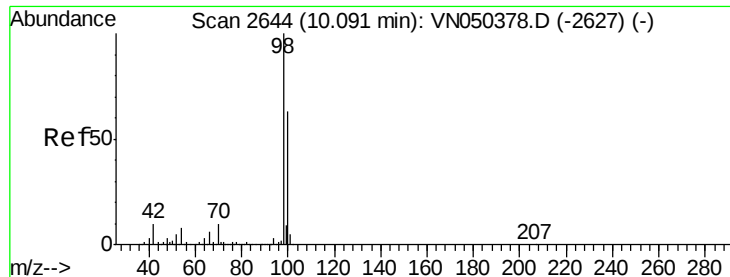
Tot Ion:117 Resp: 59935
Ion Ratio Lower Upper
117 100
119 5.0 77.4 116.0#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 2.25 ug/l
RT: 8.26 min Scan# 2075
Delta R.T. 0.10 min
Lab File: VN050428.D
Acq: 7 Aug 2018 13:47

Tgt Ion: 43 Resp: 31209
Ion Ratio Lower Upper
43 100
61 1.1 15.8 23.6#
87 0.0 10.3 15.5#





#50

Toluene-d8

Concen: 45.84 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

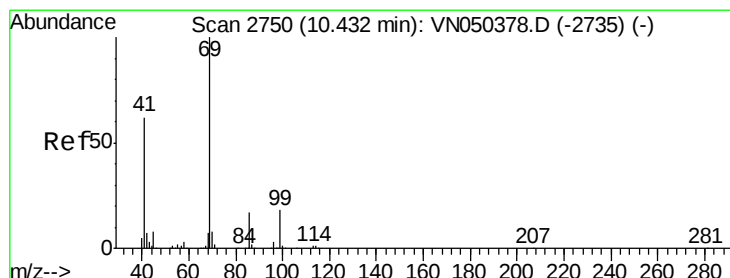
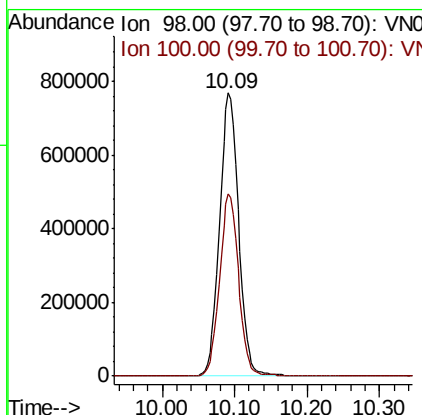
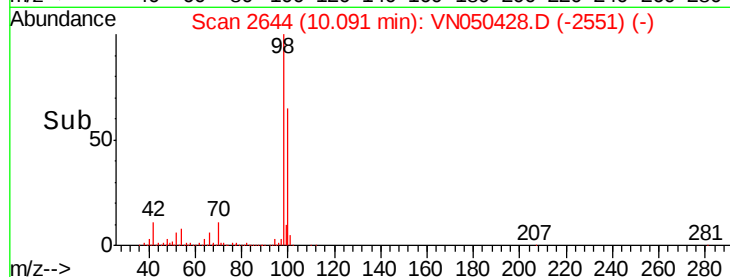
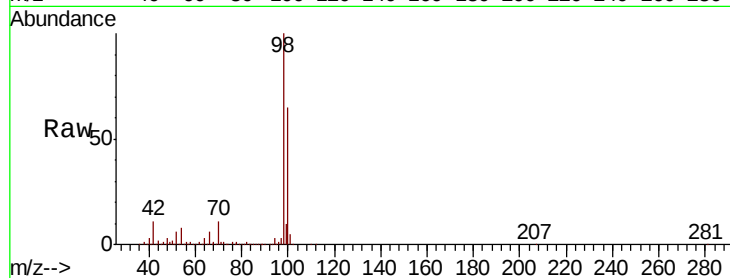
TP-1

Tot Ion: 98 Resp: 1404063

Ion Ratio Lower Upper

98 100

100 64.0 50.7 76.1



#56

Ethyl methacrylate

Concen: 1.71 ug/l

RT: 10.44 min Scan# 2754

Delta R.T. 0.01 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

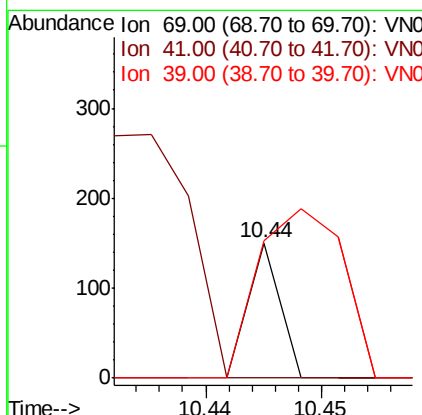
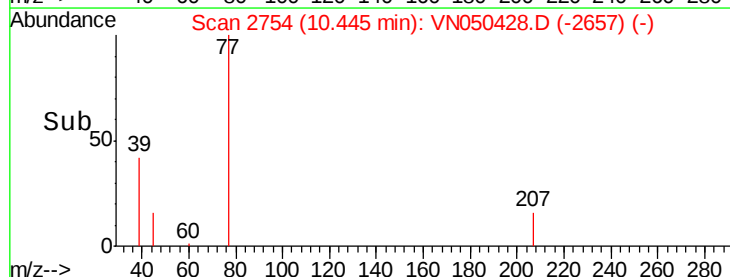
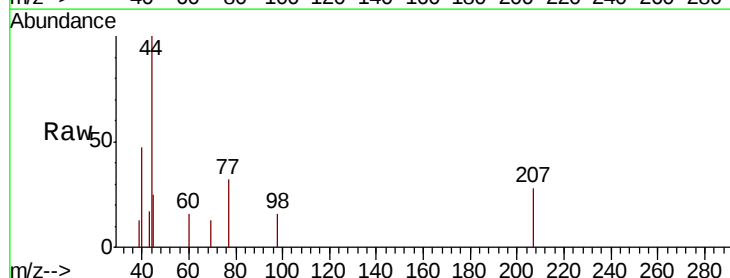
Tgt Ion: 69 Resp: 29

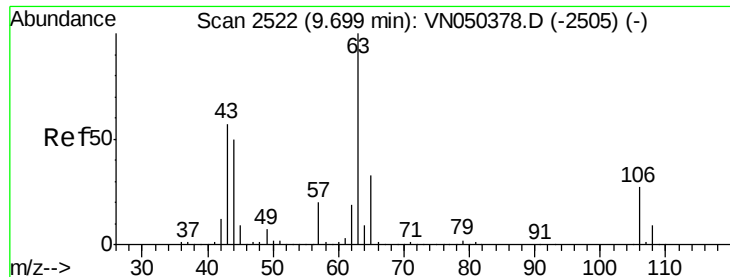
Ion Ratio Lower Upper

69 100

41 748.3 51.0 76.4#

39 331.0 26.6 40.0#

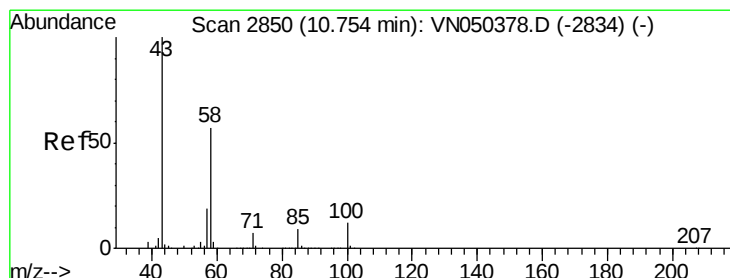
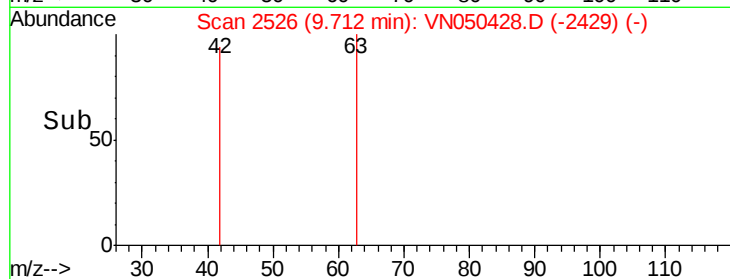
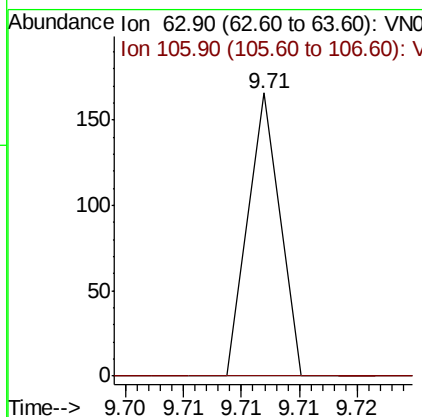
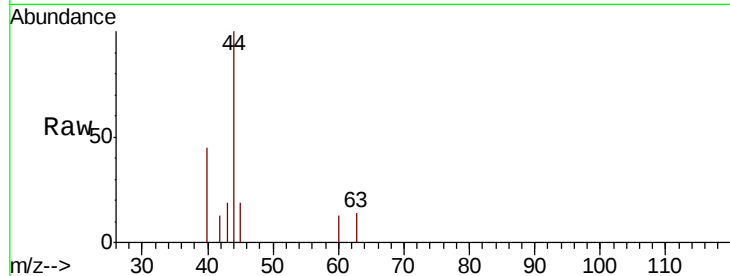




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.40 ug/l
 RT: 9.71 min Scan# 2526
 Delta R.T. 0.01 min
 Lab File: VN050428.D
 Acq: 7 Aug 2018 13:47

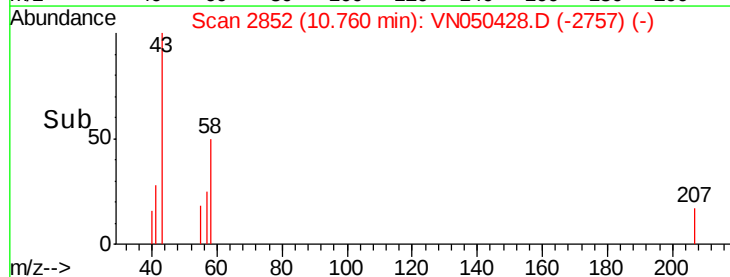
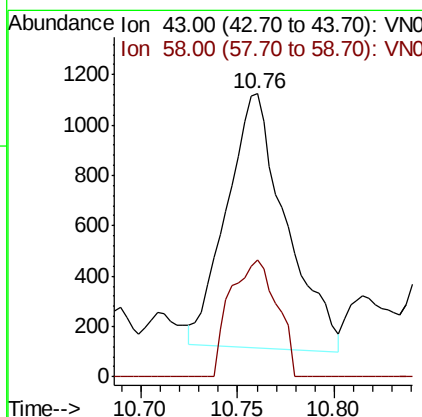
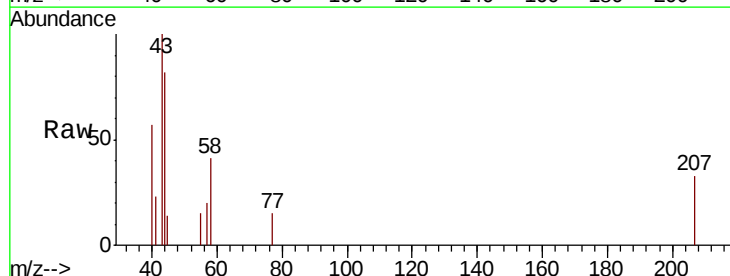
Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

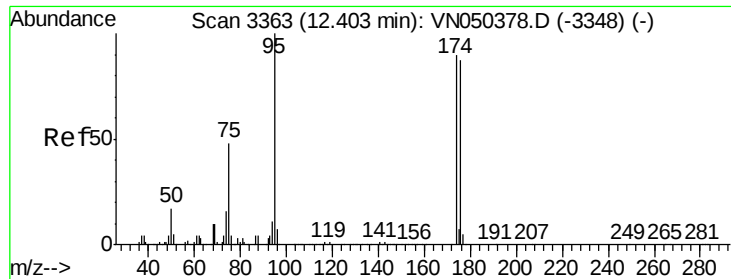
Tot Ion: 63 Resp: 32
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.7 32.5#



#59
 2-Hexanone
 Concen: 0.31 ug/l
 RT: 10.76 min Scan# 2852
 Delta R.T. 0.01 min
 Lab File: VN050428.D
 Acq: 7 Aug 2018 13:47

Tgt Ion: 43 Resp: 2156
 Ion Ratio Lower Upper
 43 100
 58 36.2 27.6 82.7





#62

4-Bromofluorobenzene

Concen: 37.93 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

TP-1

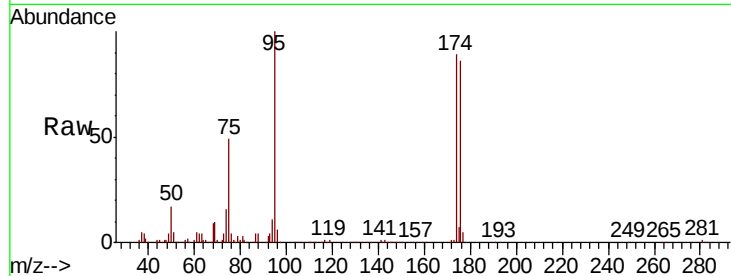
Tot Ion: 95 Resp: 395920

Ion Ratio Lower Upper

95 100

174 90.7 0.0 178.2

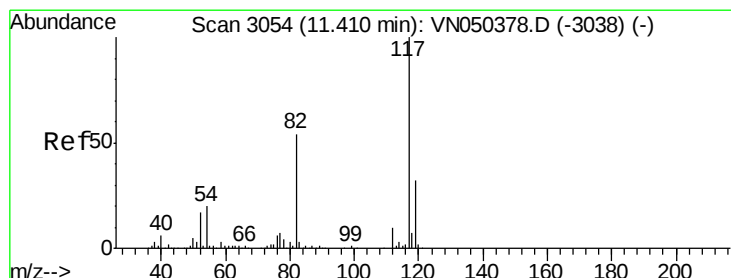
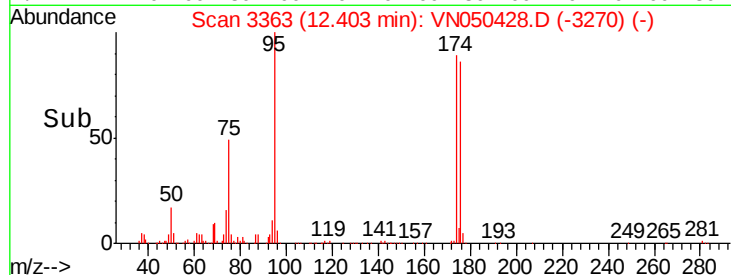
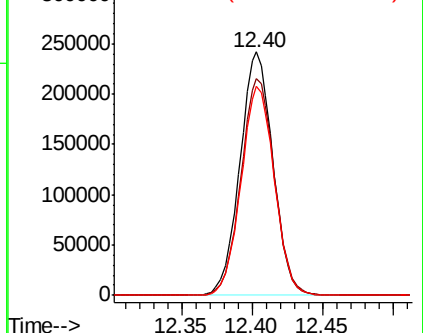
176 86.8 0.0 173.4



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: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

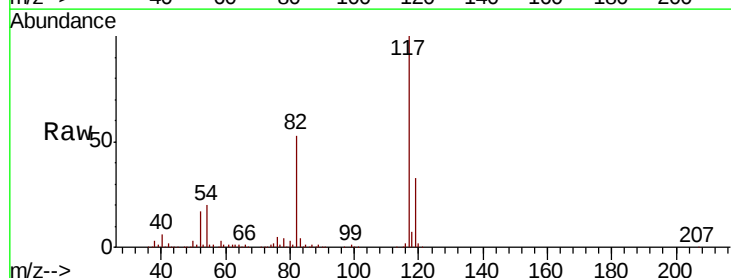
Tgt Ion: 117 Resp: 865380

Ion Ratio Lower Upper

117 100

82 53.0 43.7 65.5

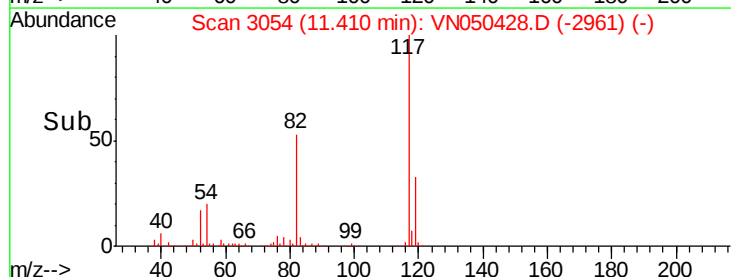
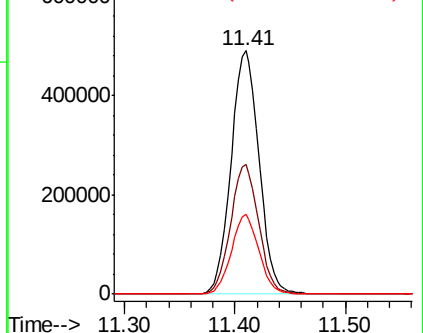
119 32.5 26.1 39.1

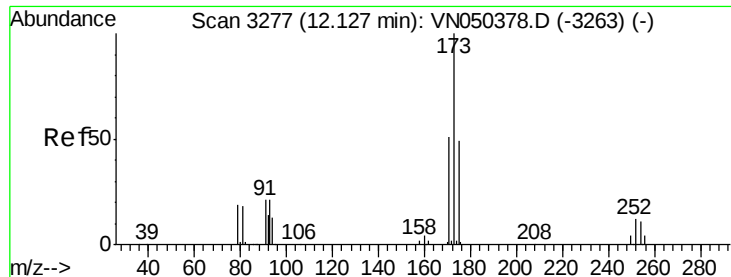


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

TP-1

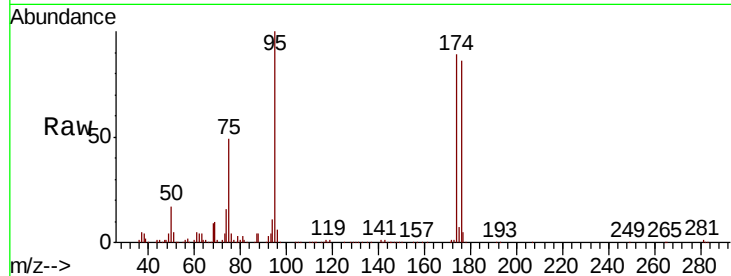
Tot Ion:173 Resp: 3679

Ion Ratio Lower Upper

173 100

175 601.0 24.1 72.2#

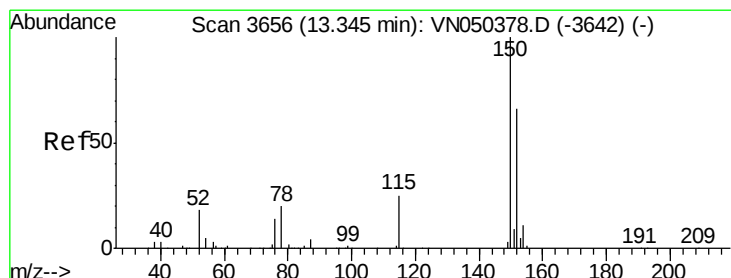
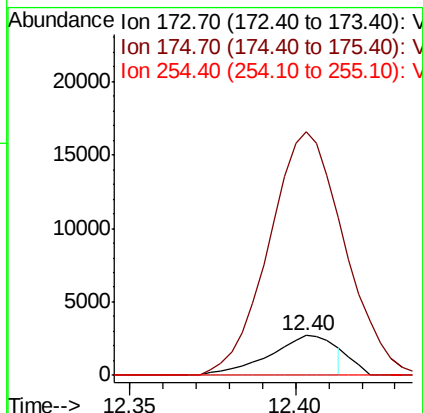
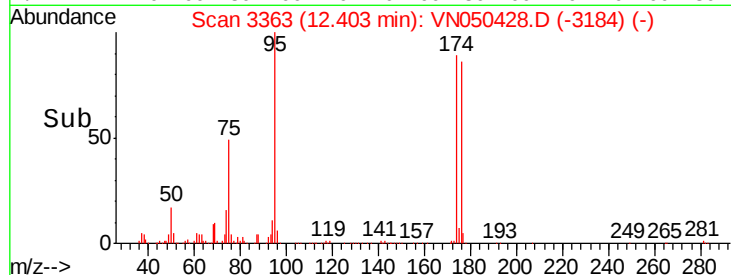
254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

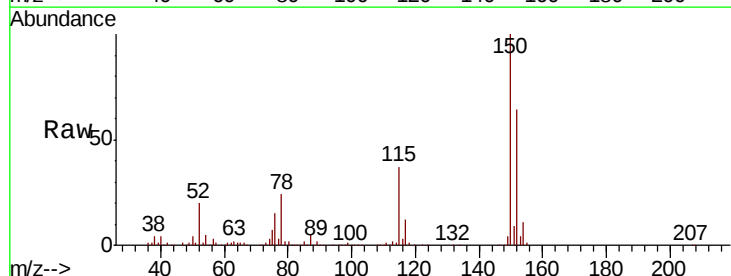
Tgt Ion:152 Resp: 364934

Ion Ratio Lower Upper

152 100

115 57.2 27.8 83.3

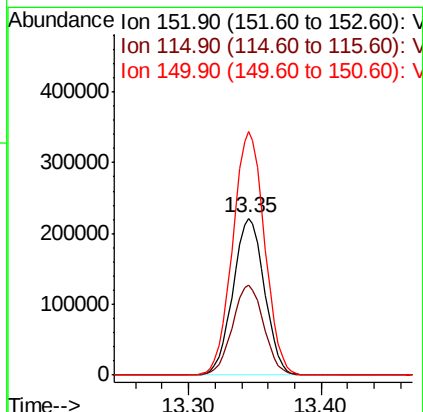
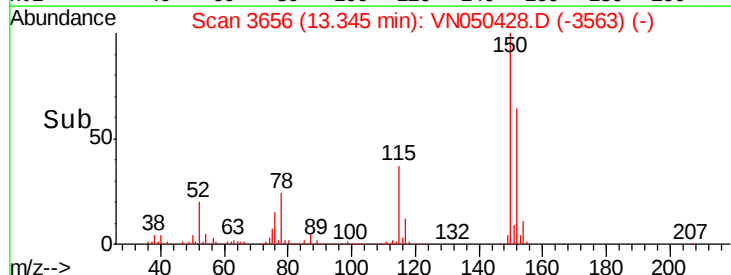
150 156.9 0.0 348.6

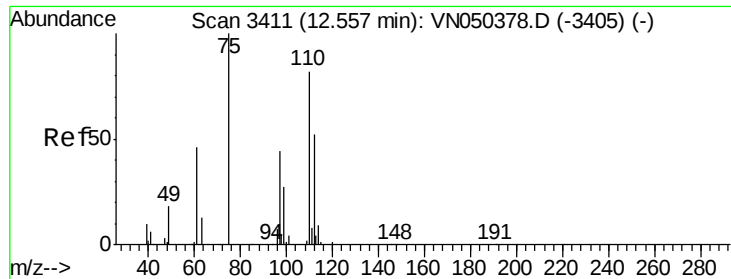


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.83 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampled :

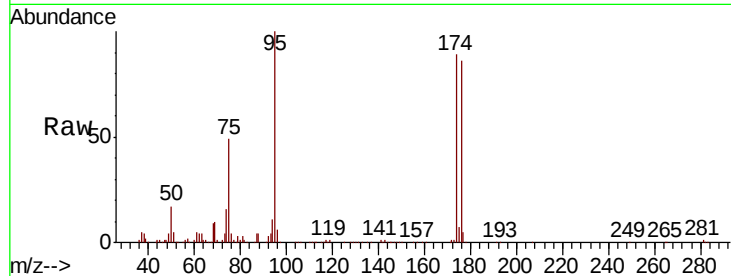
TP-1

Tot Ion: 75 Resp: 190425

Ion Ratio Lower Upper

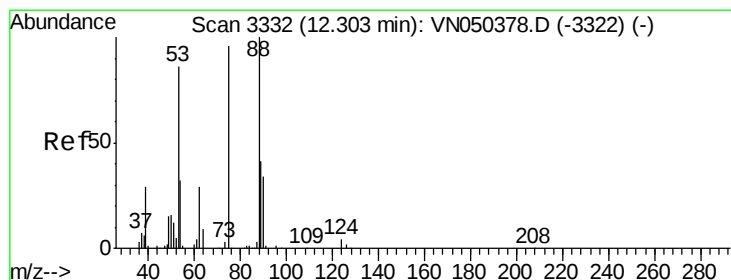
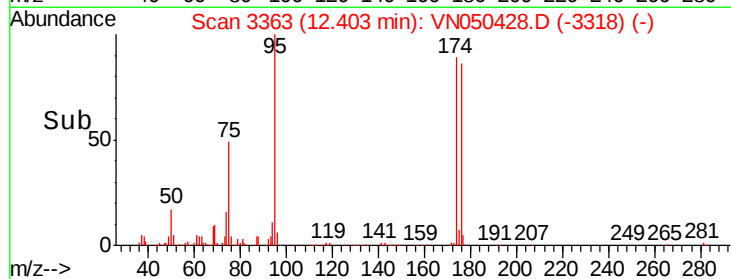
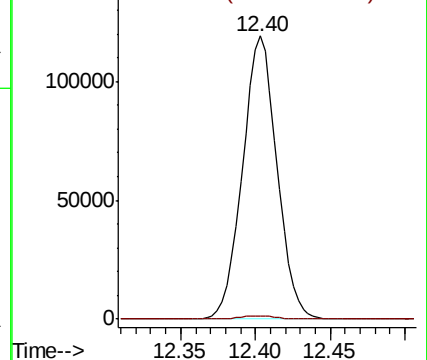
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 101.29 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

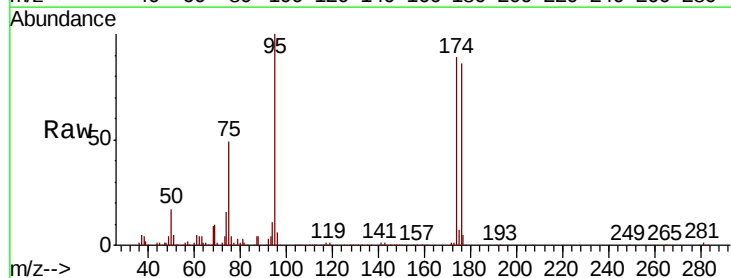
Tgt Ion: 75 Resp: 190425

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

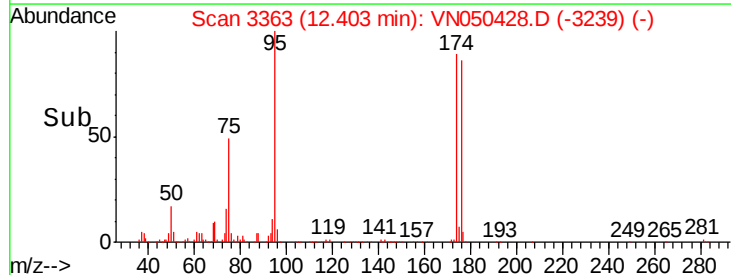
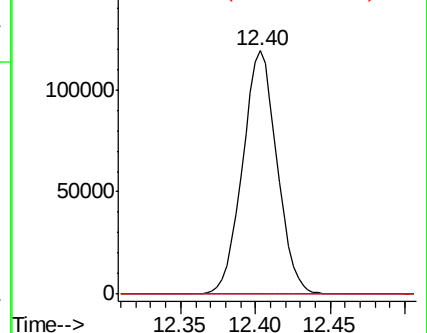
89 0.0 36.0 54.0#

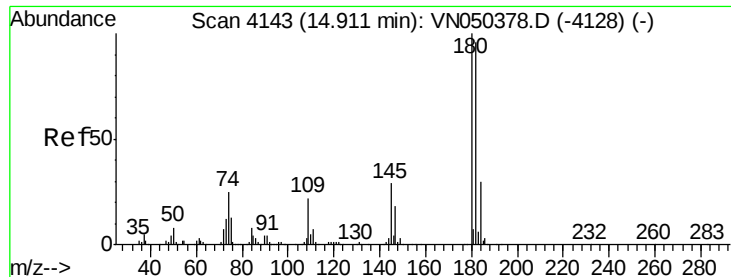


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

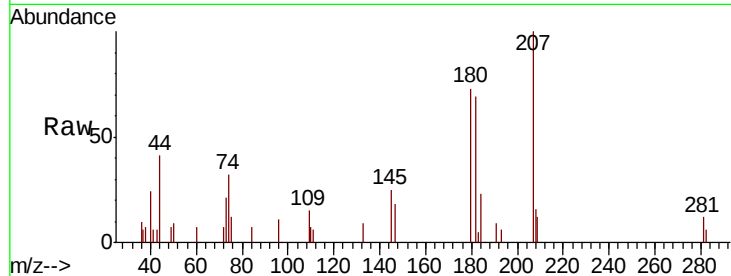




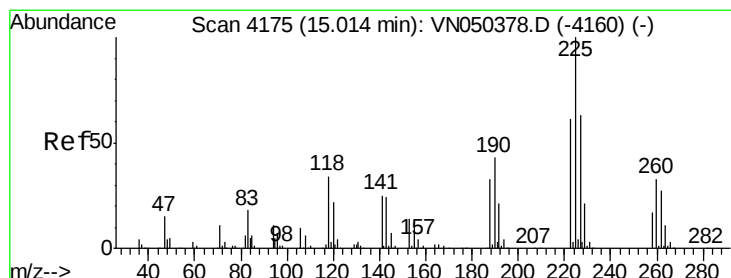
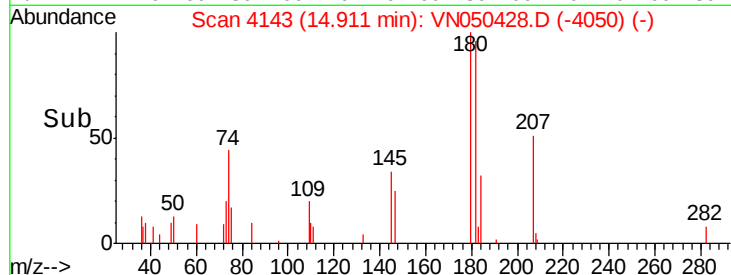
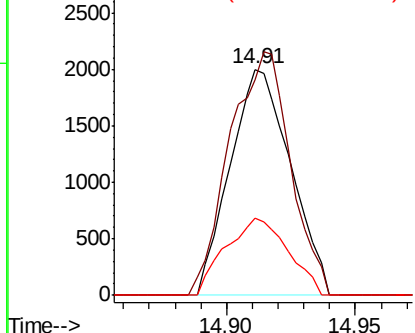
#93
 1,2,4-Trichlorobenzene
 Concen: 0.49 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050428.D
 Acq: 7 Aug 2018 13:47

Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

Tot Ion:180 Resp: 3268
 Ion Ratio Lower Upper
 180 100
 182 108.6 46.7 140.1
 145 35.1 13.8 41.4

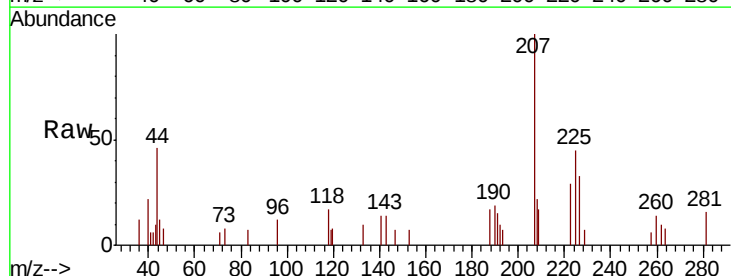


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

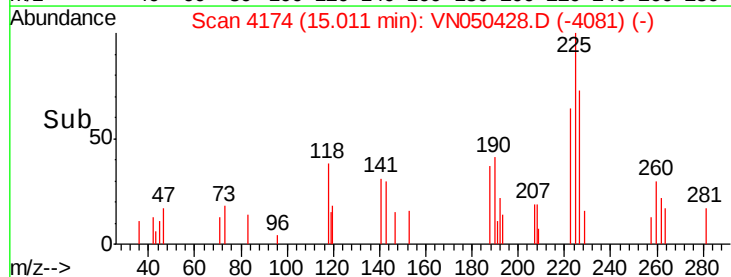
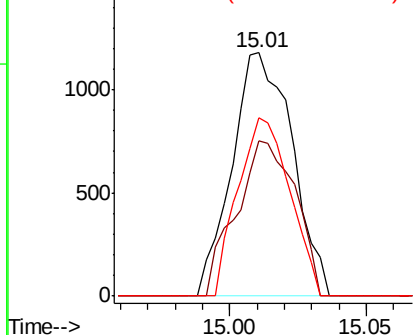


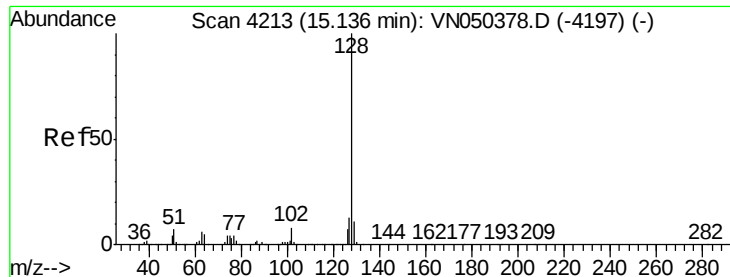
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050428.D
 Acq: 7 Aug 2018 13:47

Tgt Ion:225 Resp: 1808
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.2
 227 63.1 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.13 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

Instrument :

MSVOA_N

ClientSampleId :

TP-1

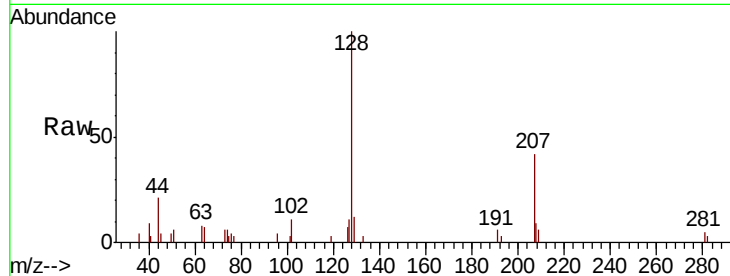
Tot Ion:128 Resp: 9654

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

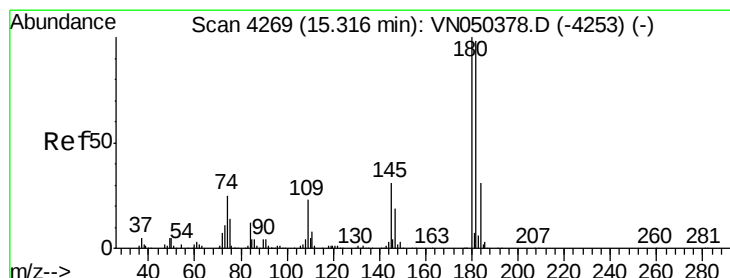
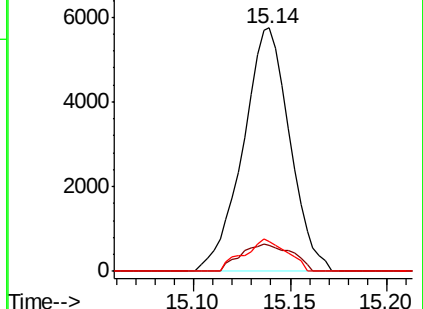
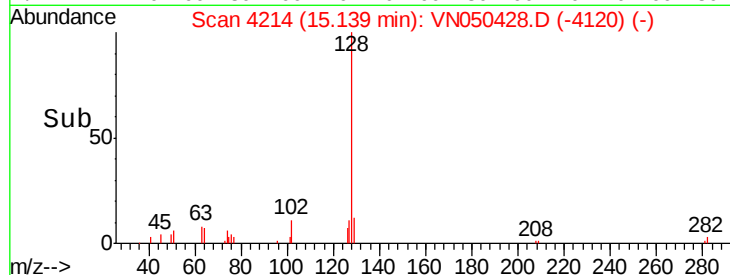
129 12.1 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 0.57 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050428.D

Acq: 7 Aug 2018 13:47

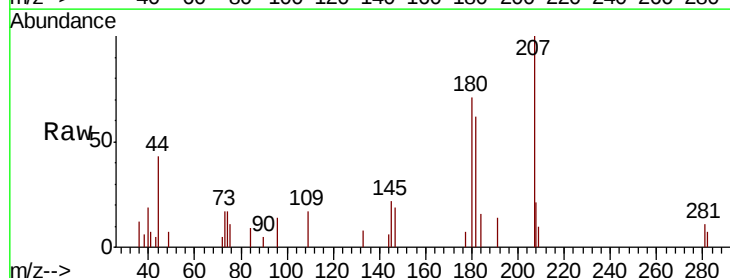
Tgt Ion:180 Resp: 3836

Ion Ratio Lower Upper

180 100

182 87.7 48.1 144.4

145 31.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

