

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051618.D
 Acq On : 28 Sep 2018 16:02
 Operator : MD\SY
 Sample : J4870-02
 Misc : Sample
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

Quant Time: Sep 29 01:54:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	96622	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	526189	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	476056	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	208243	30.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.17%
60) 4-Bromofluorobenzene	12.40	95	210054	28.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.63%
63) Toluene-d8	10.09	98	674745	30.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.13%

Target Compounds

					Ovalue
3) Chloromethane	2.06	50	9055	0.954 ug/l	92
4) Vinyl Chloride	2.19	62	444403	47.741 ug/l	98
5) Bromomethane	2.57	94	326955	67.619 ug/l	99
6) Chloroethane	2.70	64	155789	33.361 ug/l	100
12) Methyl Acetate	4.33	43	1847	0.359 ug/l #	85
14) Acrylonitrile	5.05	53	20653	10.016 ug/l #	20
15) Acetone	3.82	58	67705	125.226 ug/l	94
18) Methylene Chloride	4.55	84	201153	29.990 ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	144520	23.335 ug/l	97
21) 1,1-Dichloroethane	5.85	63	673278	54.869 ug/l	99
24) Methyl tert-Butyl Ether	5.05	73	1596332	104.109 ug/l	100
25) Chloroform	7.37	83	646503	55.103 ug/l	99
30) 2-Butanone	6.84	43	449399	184.028 ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	174751	17.334 ug/l	99
33) Carbon Tetrachloride	7.57	117	23817	2.629 ug/l	92
34) Benzene	8.04	78	2247755	84.438 ug/l #	93
37) Trichloroethene	8.83	130	508872	74.456 ug/l	99
38) Methylcyclohexane	9.12	83	4674	0.451 ug/l #	28
39) 1,2-Dichloropropane	9.12	63	677079	92.824 ug/l	99
40) Dibromomethane	9.21	93	502979	124.133 ug/l	98
45) 1,4-Dioxane	9.21	88	2638	48.183 ug/l #	27
49) cis-1,3-Dichloropropene	9.84	75	1145412	110.981 ug/l	100
53) Dibromochloromethane	10.90	129	455563	69.853 ug/l	99
54) 1,2-Dibromoethane	11.01	107	544002	99.009 ug/l	99
56) Bromoform	12.13	173	409756	94.687 ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	788012	145.794 ug/l	99
59) 2-Hexanone	10.75	43	438126	123.216 ug/l	99
61) Tetrachloroethene	10.63	164	350994	52.076 ug/l	98
62) Toluene	10.16	91	1550450	53.115 ug/l	99
64) Chlorobenzene	11.43	112	769222	43.584 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	946599	140.460 ug/l	99
66) Ethyl Benzene	11.51	91	489675	16.391 ug/l	100
67) m/p-Xylenes	11.62	106	458392	39.812 ug/l	98
68) o-Xylene	11.95	106	913021	83.069 ug/l	97
69) Styrene	11.96	104	2195009	127.235 ug/l	95
71) 1,1,2,2-Tetrachloroethane	12.50	83	990778	139.678 ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	824638	135.977 ug/l	1

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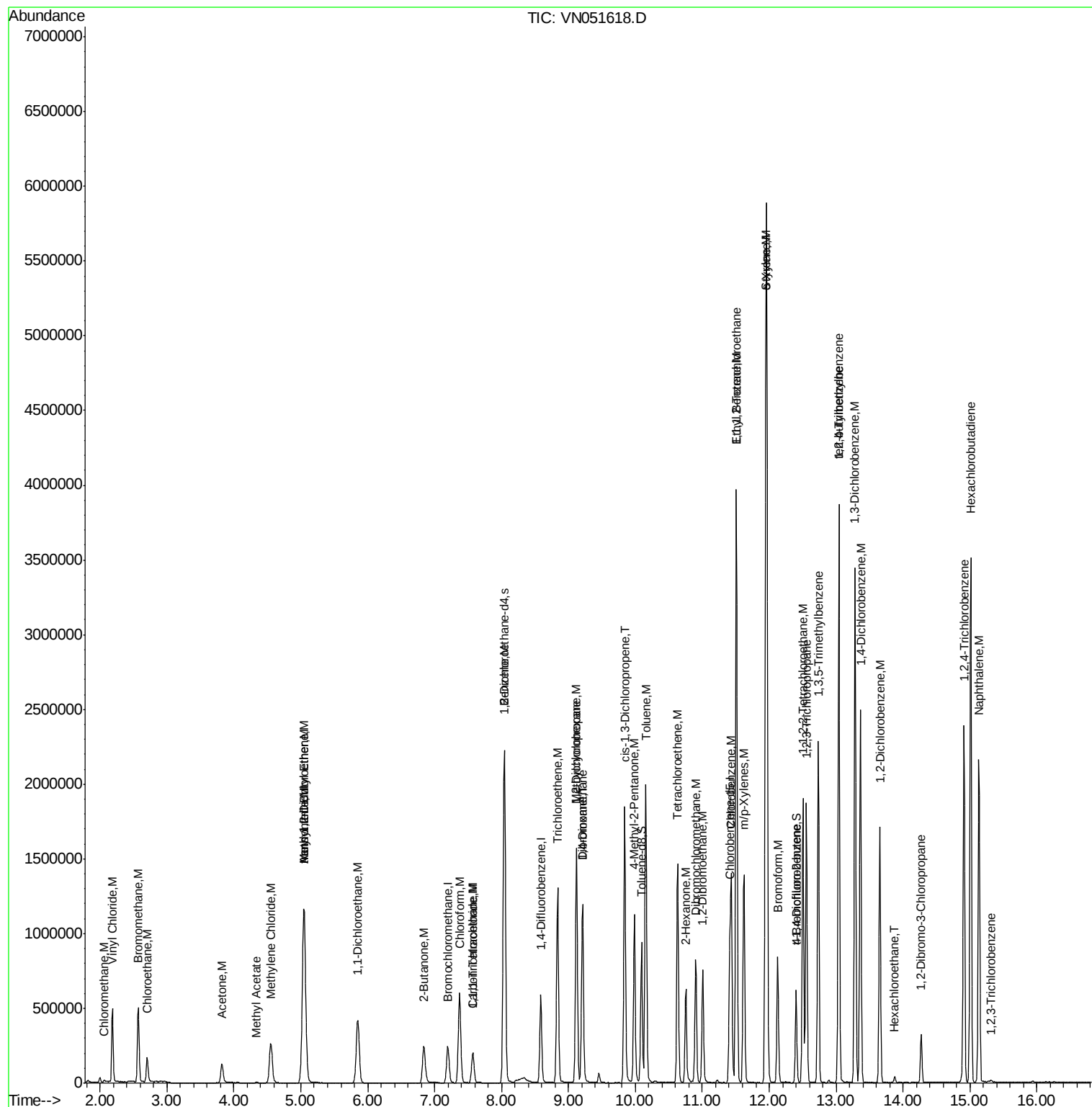
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,3,5-Trimethylbenzene	12.73	105	1265552	51.659	ug/l	99
77) t-1,4-Dichloro-2-butene	12.40	75	102923	53.586	ug/l #	11
79) tert-butylbenzene	13.04	119	274955	12.955	ug/l	75
80) 1,2,4-Trimethylbenzene	13.04	105	2109642	86.216	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	1506907	118.527	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1094450	91.579	ug/l	100
86) Hexachloroethane	13.88	117	7157	1.428	ug/l	71
87) 1,2-Dichlorobenzene	13.65	146	747474	60.101	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	83797	81.054	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	803135	137.970	ug/l	98
90) Hexachlorobutadiene	15.01	225	722850	152.318	ug/l	98
91) Naphthalene	15.13	128	1850141	116.435	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	4547	0.777	ug/l	88

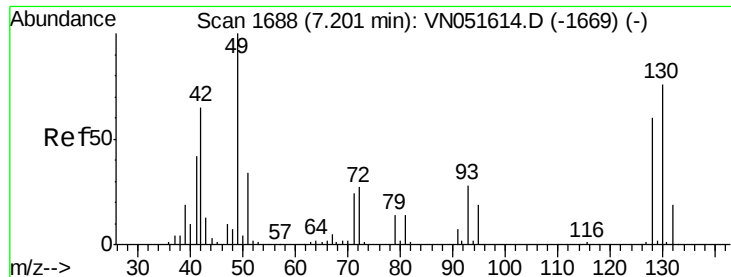
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WP

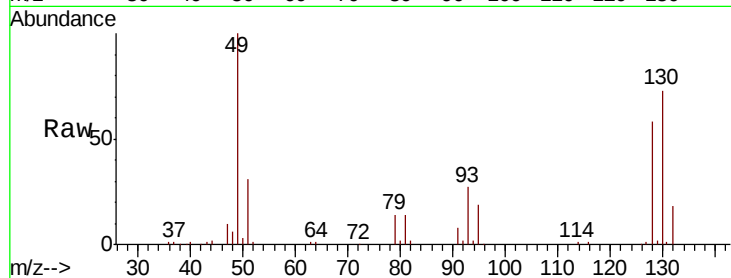
Tot Ion:128 Resp: 96622

Ion Ratio Lower Upper

128 100

49 173.4 0.0 426.8

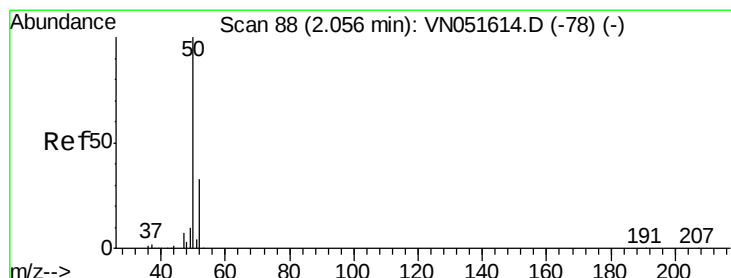
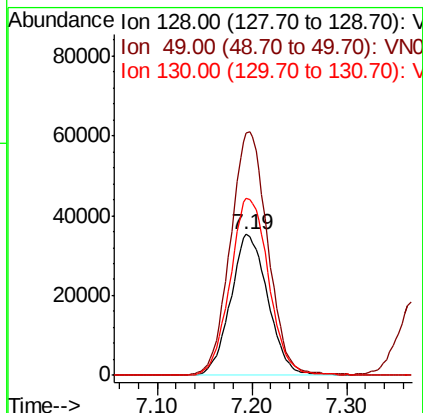
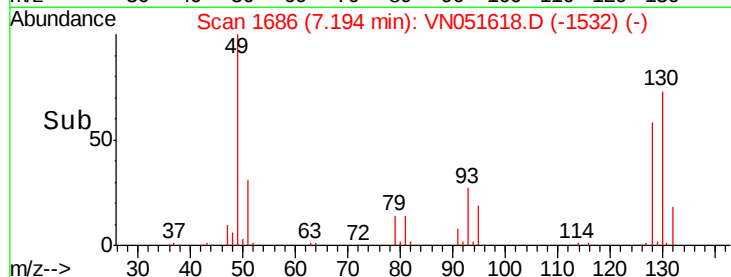
130 129.2 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.954 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051618.D

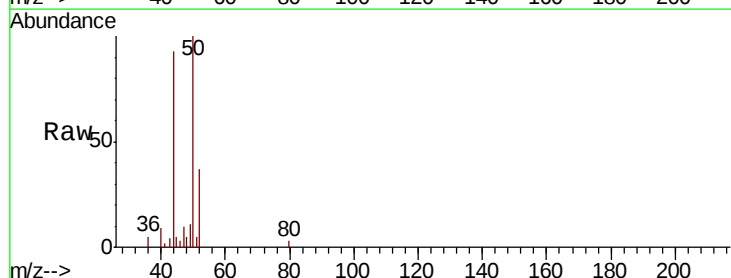
Acq: 28 Sep 2018 16:02

Tgt Ion: 50 Resp: 9055

Ion Ratio Lower Upper

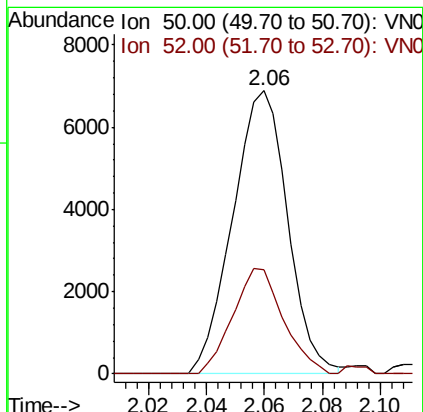
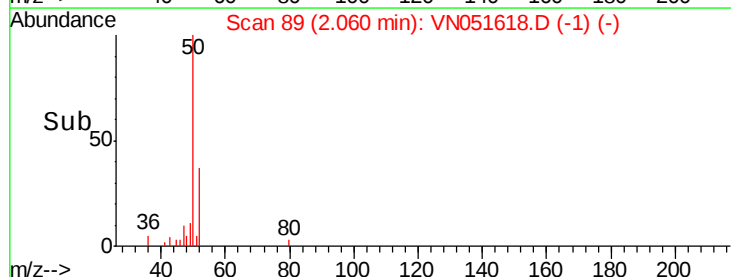
50 100

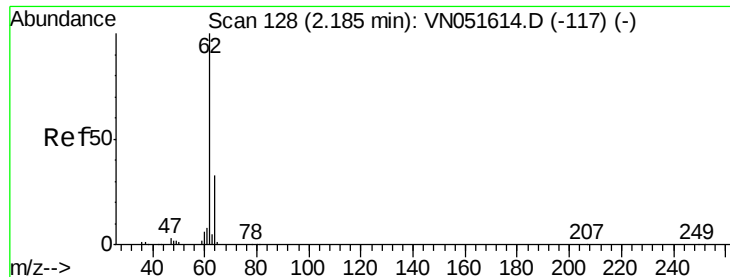
52 36.8 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VN

Ion 52.00 (51.70 to 52.70): VN





#4

Vinyl Chloride

Concen: 47.741 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

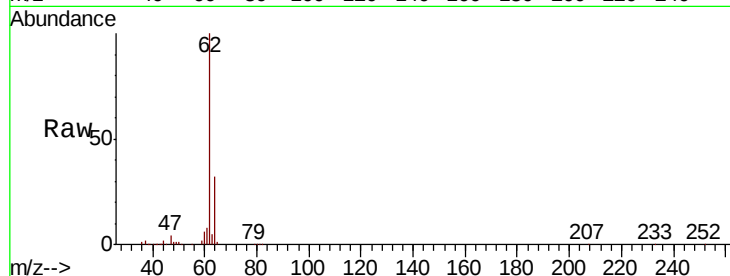
PT-VOA-WP

Tot Ion: 62 Resp: 444403

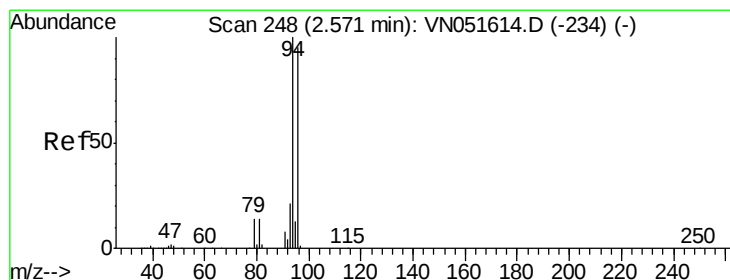
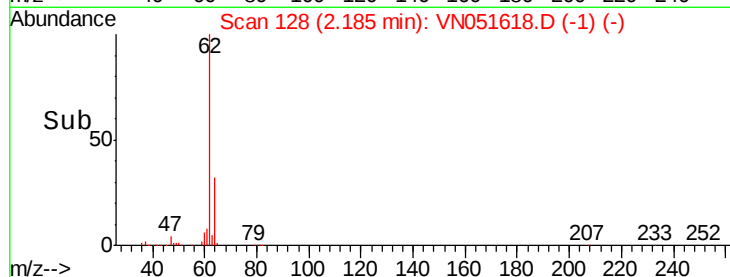
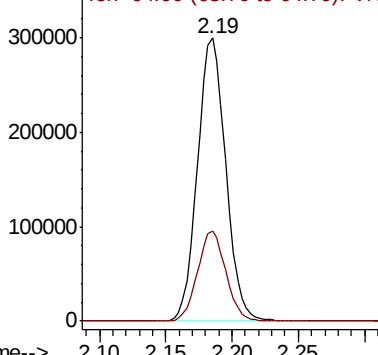
Ion Ratio Lower Upper

62 100

64 31.9 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO



#5

Bromomethane

Concen: 67.619 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051618.D

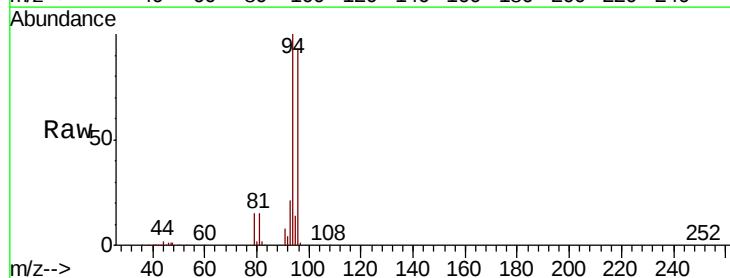
Acq: 28 Sep 2018 16:02

Tgt Ion: 94 Resp: 326955

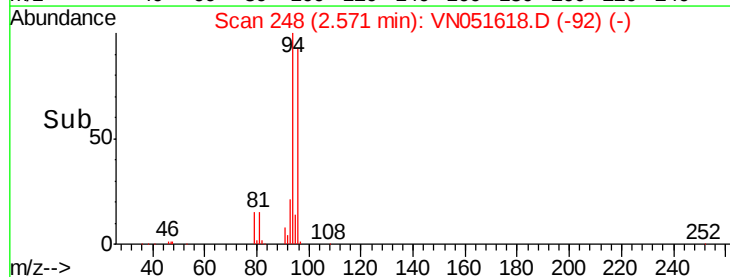
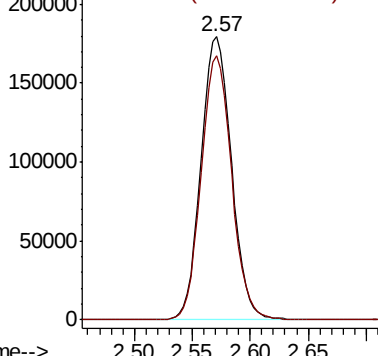
Ion Ratio Lower Upper

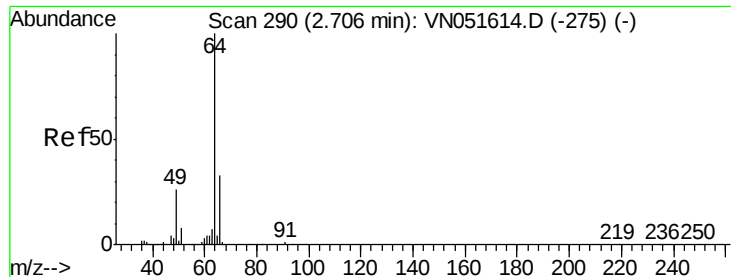
94 100

96 93.3 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VNO
Ion 96.00 (95.70 to 96.70): VNO





#6

Chloroethane

Concen: 33.361 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

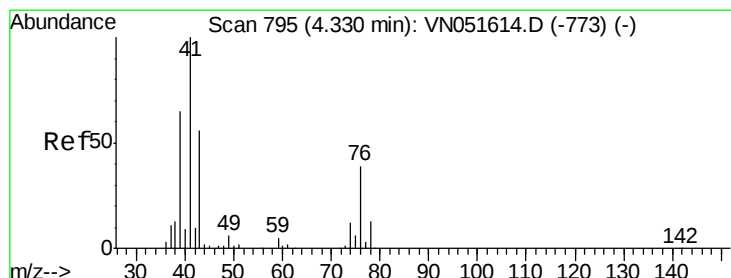
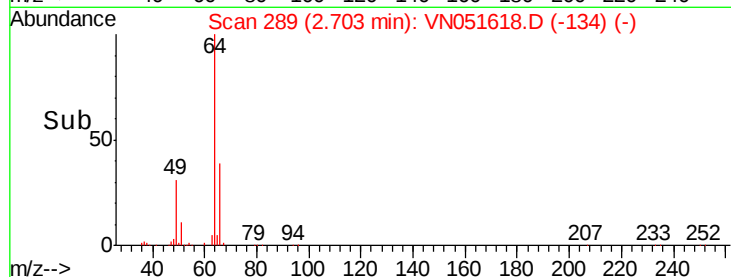
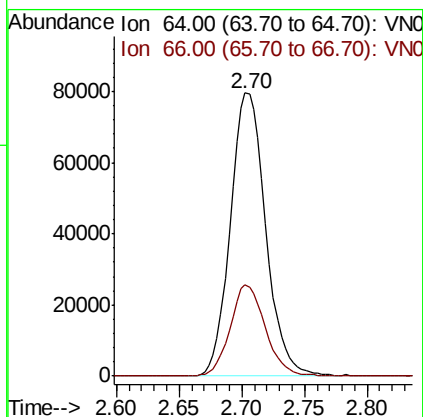
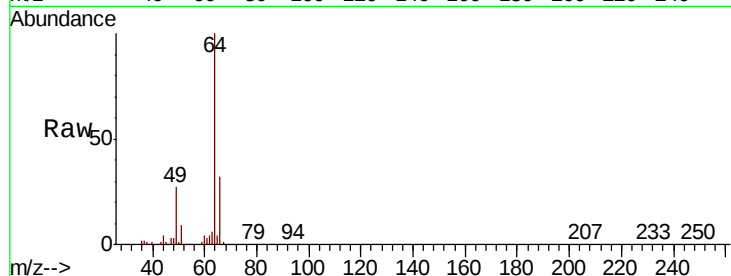
PT-VOA-WP

Tot Ion: 64 Resp: 155789

Ion Ratio Lower Upper

64 100

66 32.4 26.1 39.1



#12

Methyl Acetate

Concen: 0.359 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051618.D

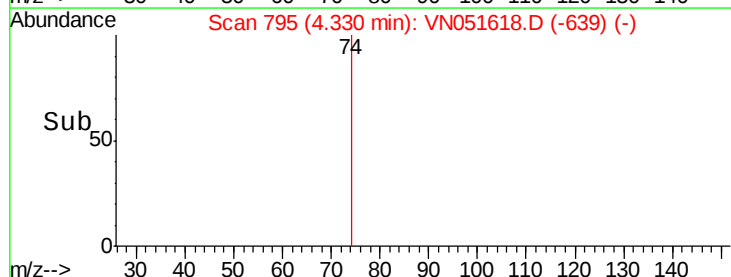
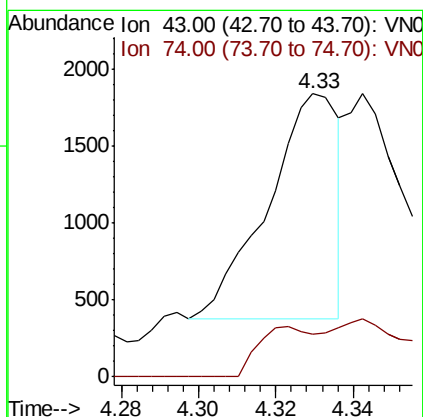
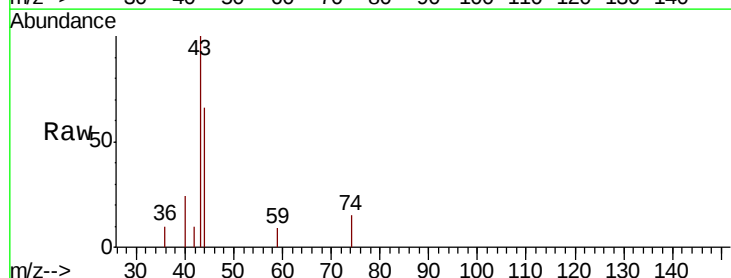
Acq: 28 Sep 2018 16:02

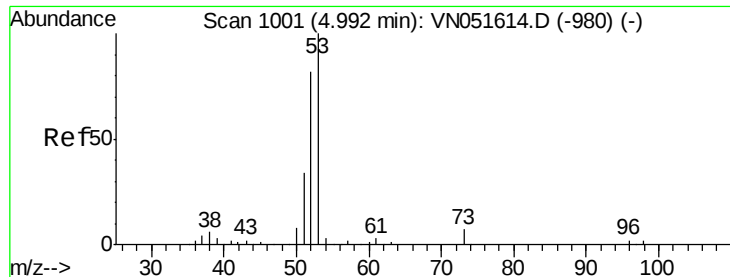
Tgt Ion: 43 Resp: 1847

Ion Ratio Lower Upper

43 100

74 14.3 17.0 25.4#





#14

Acrylonitrile

Concen: 10.016 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.06 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

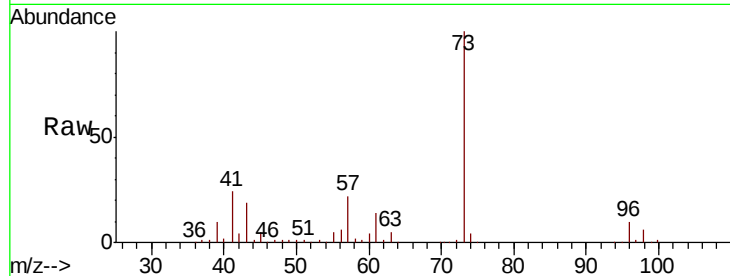
Tot Ion: 53 Resp: 20653

Ion Ratio Lower Upper

53 100

52 2.5 41.3 123.7#

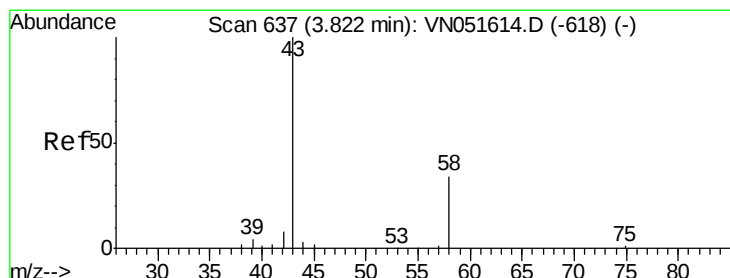
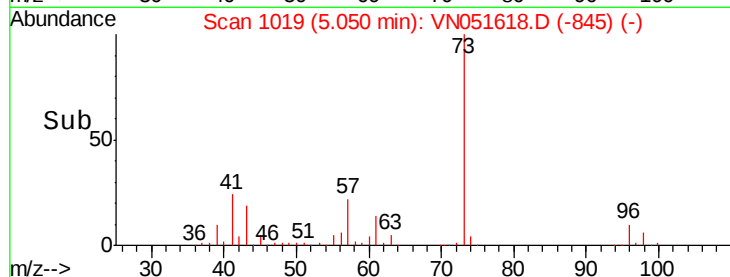
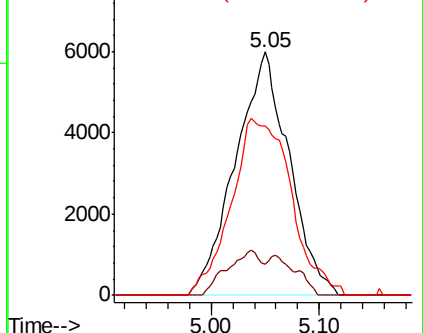
51 0.0 17.1 51.2#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#15

Acetone

Concen: 125.226 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051618.D

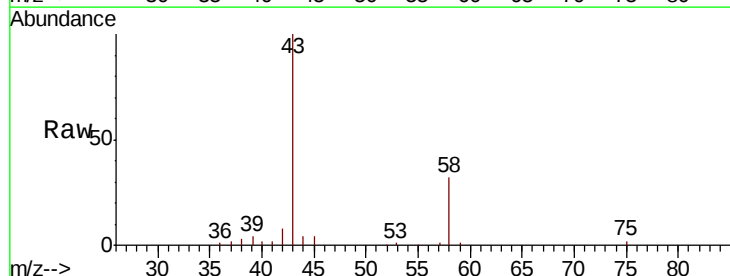
Acq: 28 Sep 2018 16:02

Tgt Ion: 58 Resp: 67705

Ion Ratio Lower Upper

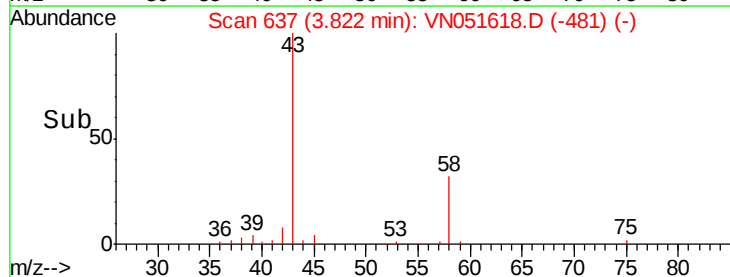
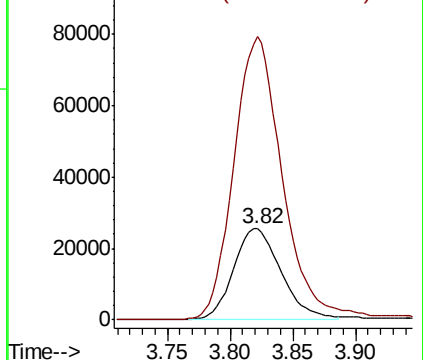
58 100

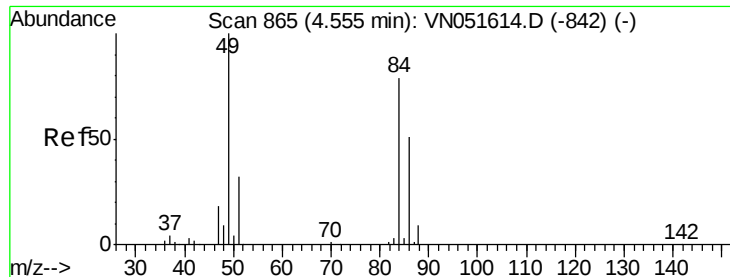
43 308.7 238.0 357.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

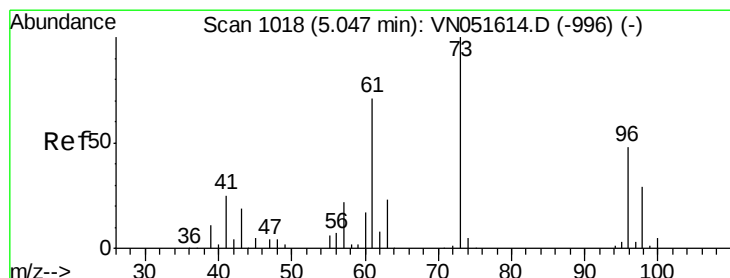
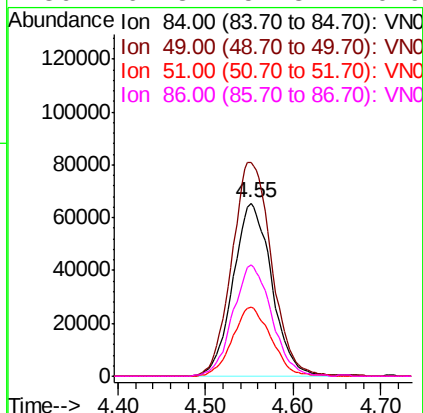
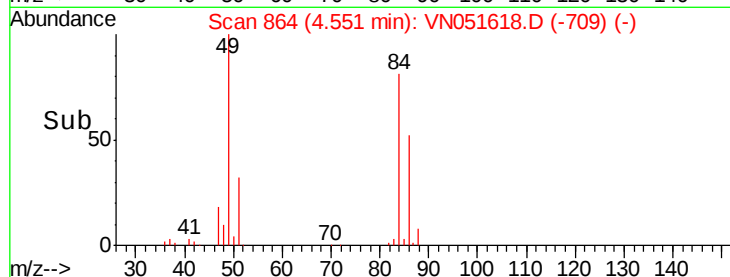
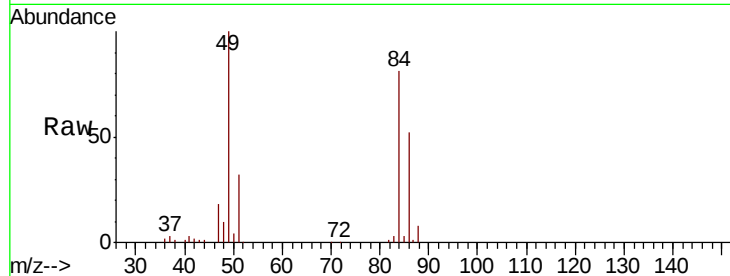




#18
Methvlene Chloride
Concen: 29.990 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

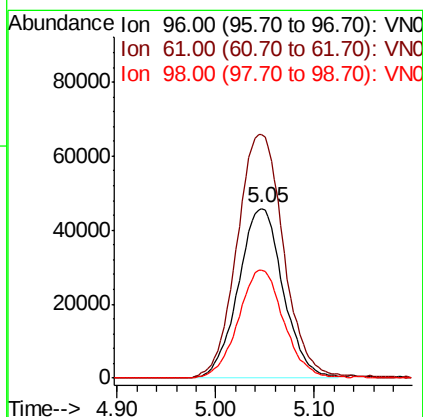
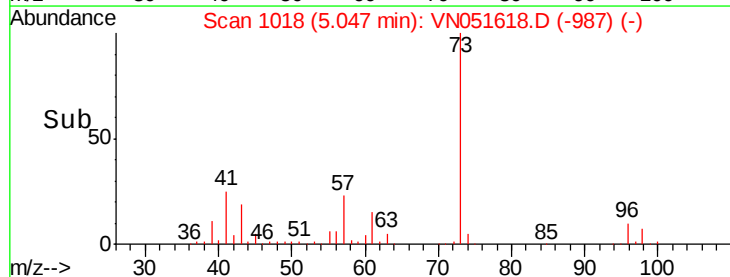
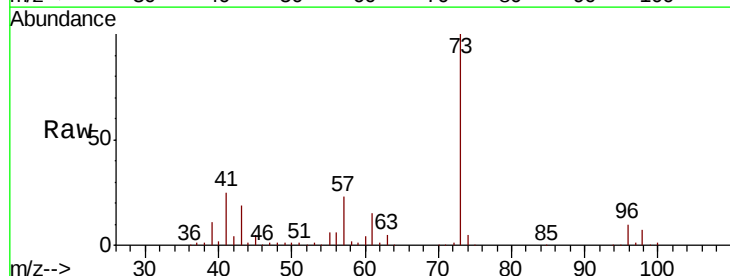
Instrument :
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ClientSampled :
PT-VOA-WP

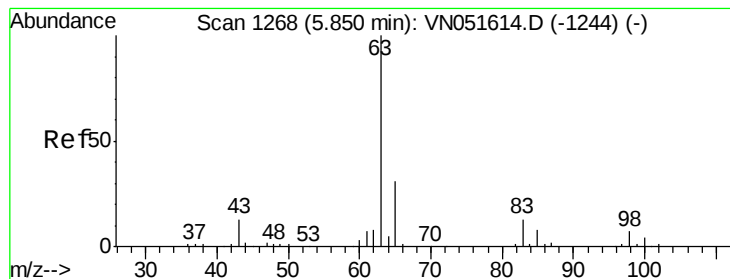
Tot Ion:	84	Resp:	201153
Ion	Ratio	Lower	Upper
84	100		
49	123.1	100.9	151.3
51	39.9	32.5	48.7
86	64.3	51.3	76.9



#19
trans-1,2-Dichloroethene
Concen: 23.335 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

Tgt Ion:	96	Resp:	144520
Ion	Ratio	Lower	Upper
96	100		
61	142.9	118.0	177.0
98	63.6	49.0	73.4





#21

1,1-Dichloroethane

Concen: 54.869 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

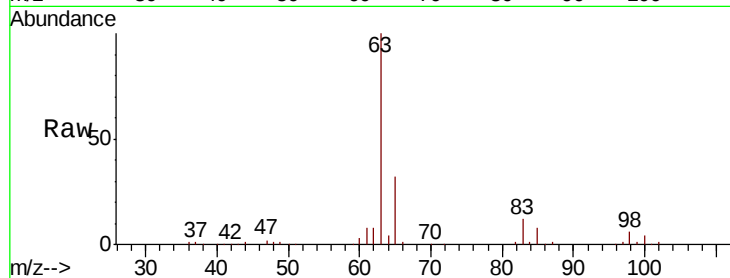
Tot Ion: 63 Resp: 673278

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

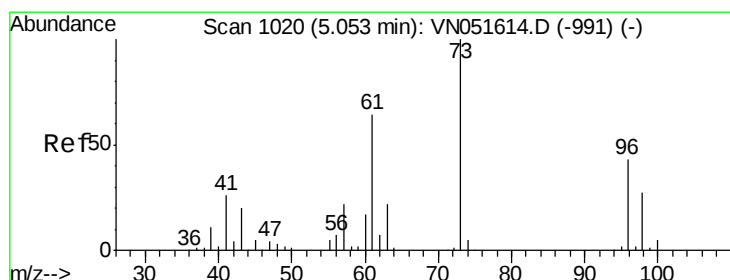
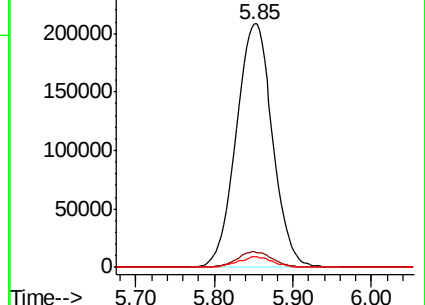
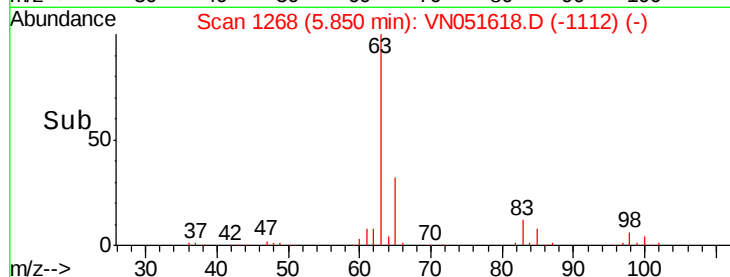
100 4.3 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN051618.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN051618.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN051618.D (-1112) (-)



#24

Methyl tert-Butyl Ether

Concen: 104.109 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN051618.D

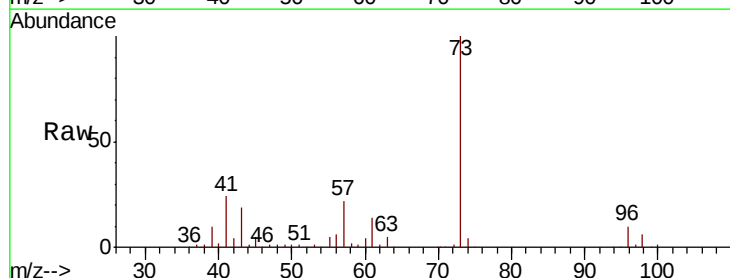
Acq: 28 Sep 2018 16:02

Tgt Ion: 73 Resp: 1596332

Ion Ratio Lower Upper

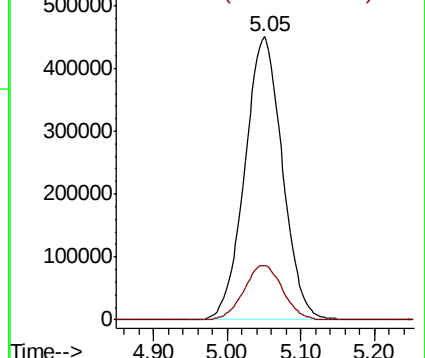
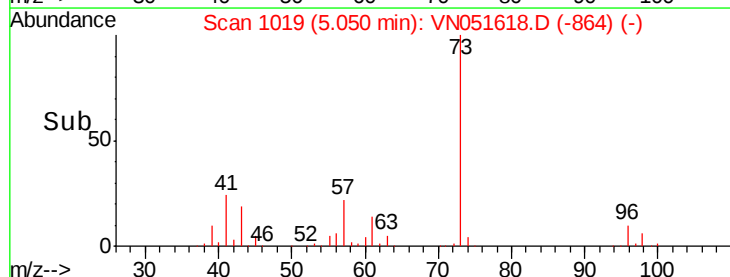
73 100

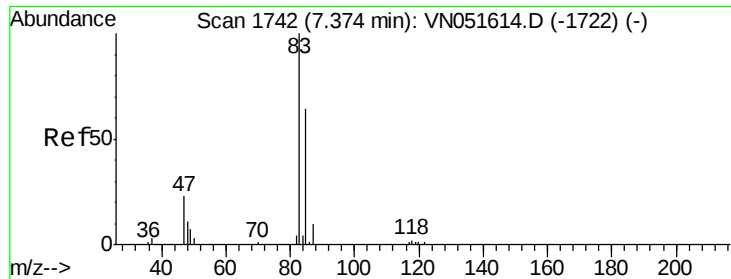
43 19.9 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VN051618.D (-864) (-)

Ion 43.00 (42.70 to 43.70): VN051618.D (-864) (-)

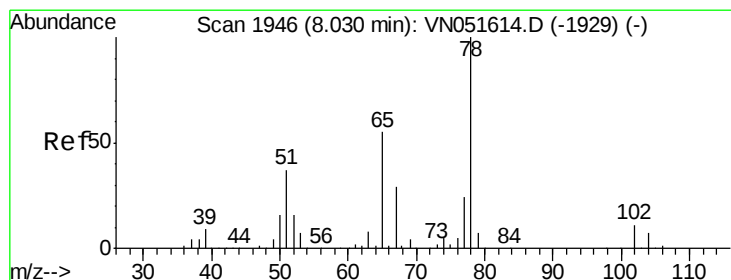
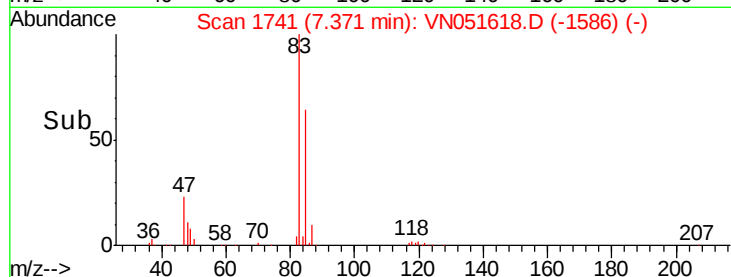
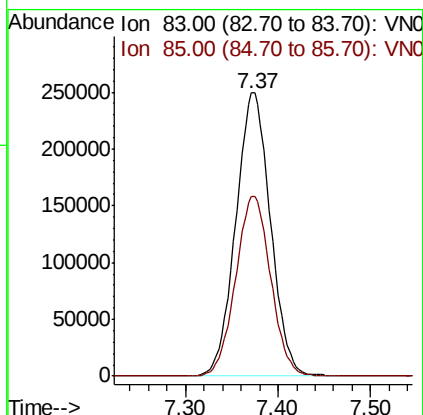
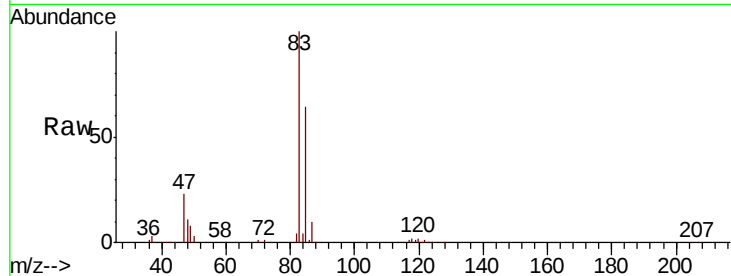




#25
Chloroform
Concen: 55.103 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

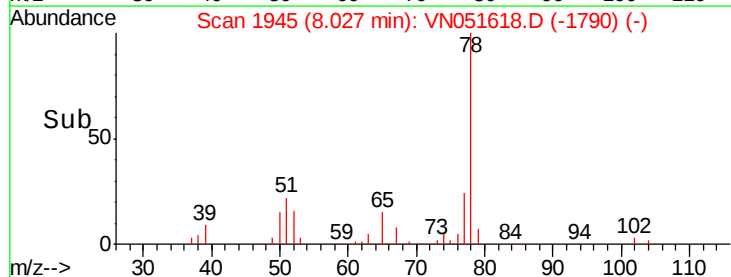
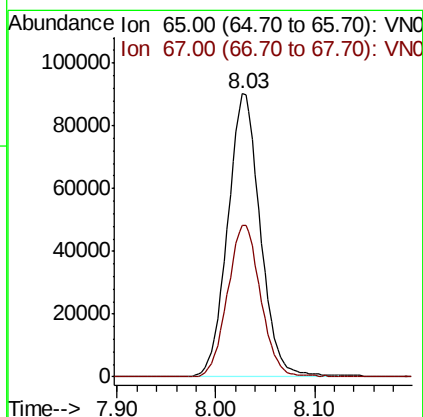
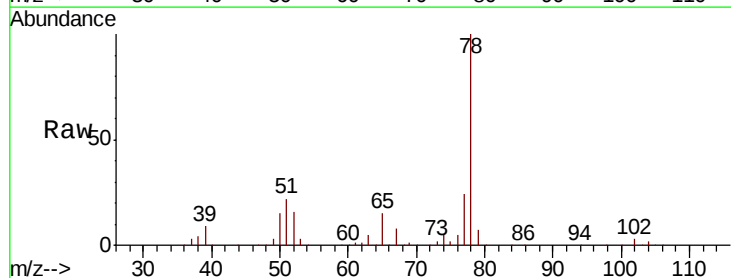
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WP

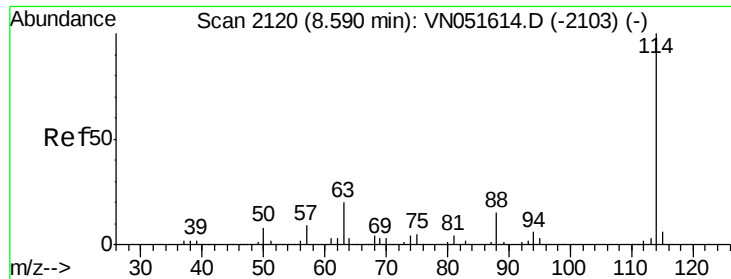
Tot Ion: 83 Resp: 646503
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.0



#27
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

Tgt Ion: 65 Resp: 208243
Ion Ratio Lower Upper
65 100
67 54.2 43.1 64.7

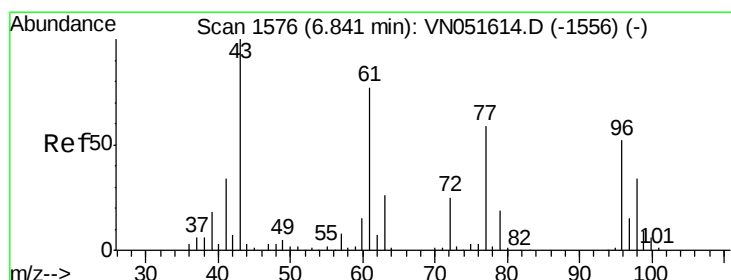
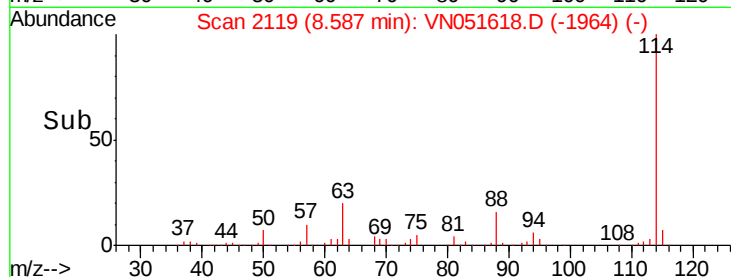
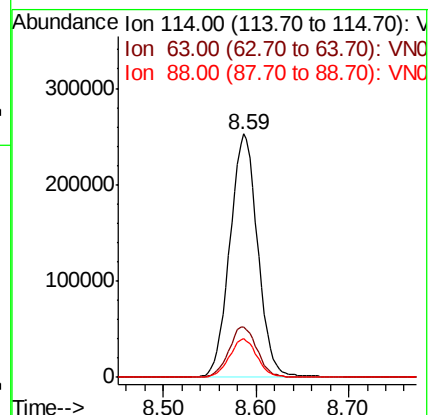
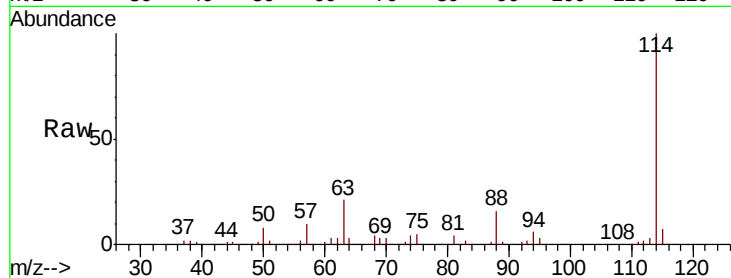




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

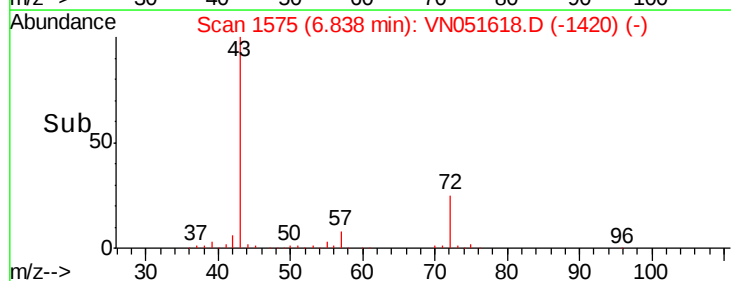
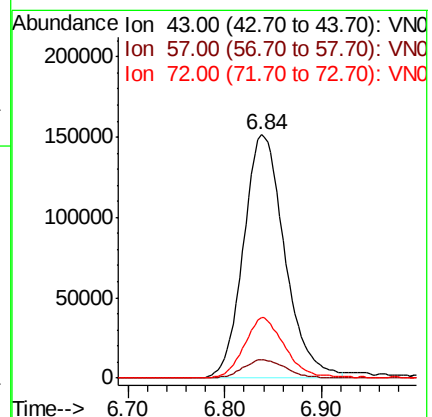
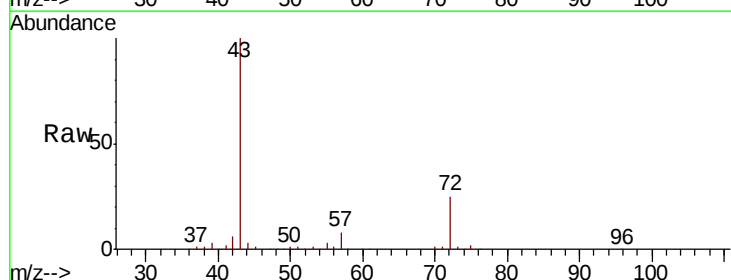
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

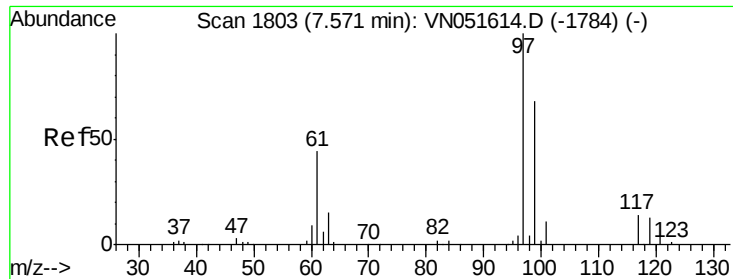
Tot Ion:114 Resp: 526189
 Ion Ratio Lower Upper
 114 100
 63 21.0 16.4 24.6
 88 15.6 12.6 18.8



#30
 2-Butanone
 Concen: 184.028 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

Tgt Ion: 43 Resp: 449399
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.6 10.0
 72 24.3 20.8 31.2

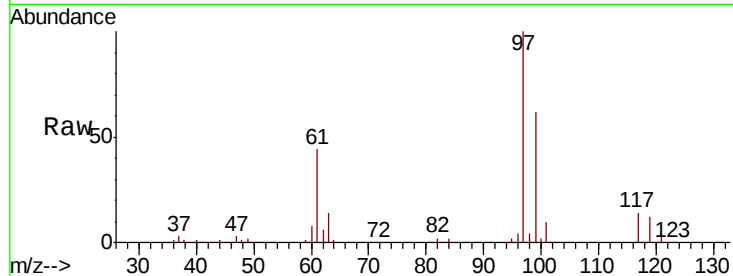




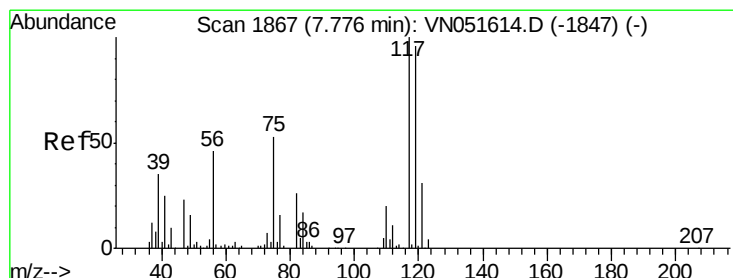
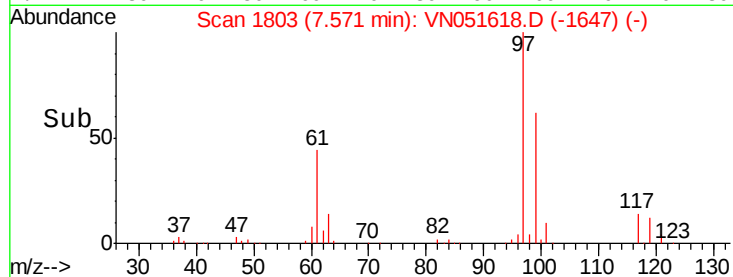
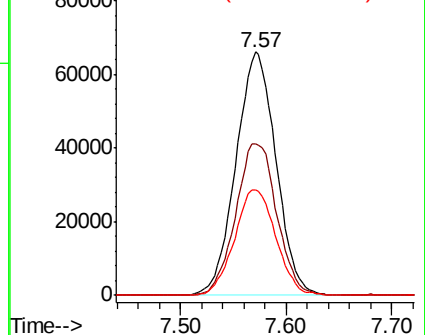
#32
 1,1,1-Trichloroethane
 Concen: 17.334 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

Instrument :
 MSVOA_N
 ClientSampled :
 PT-VOA-WP

Tot Ion: 97 Resp: 174751
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.2 78.4
 61 44.8 36.2 54.4

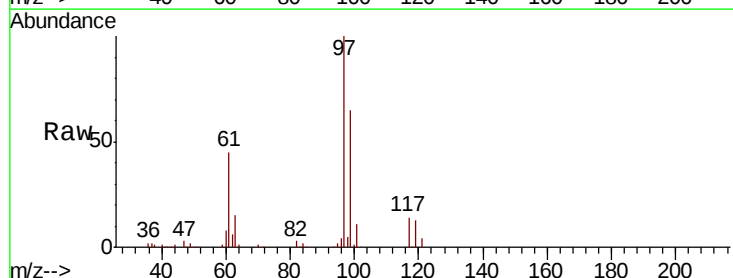


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 99.00 (98.70 to 99.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0

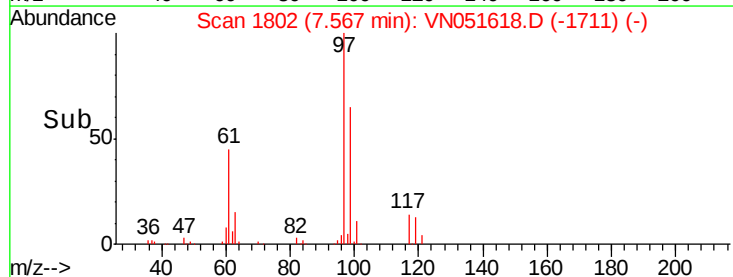
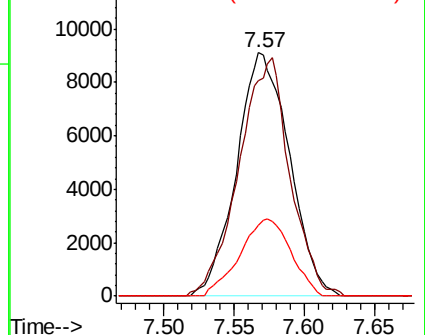


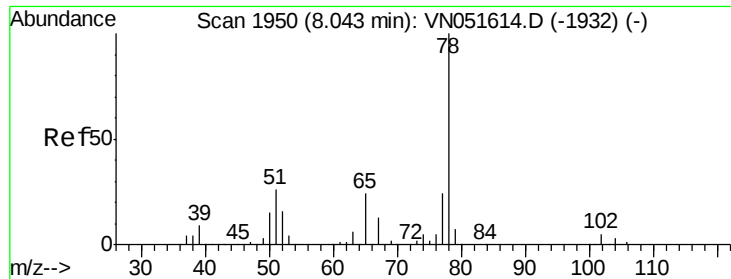
#33
 Carbon Tetrachloride
 Concen: 2.629 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.21 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

Tgt Ion: 117 Resp: 23817
 Ion Ratio Lower Upper
 117 100
 119 86.9 76.5 114.7
 121 29.2 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V





#34

Benzene

Concen: 84.438 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

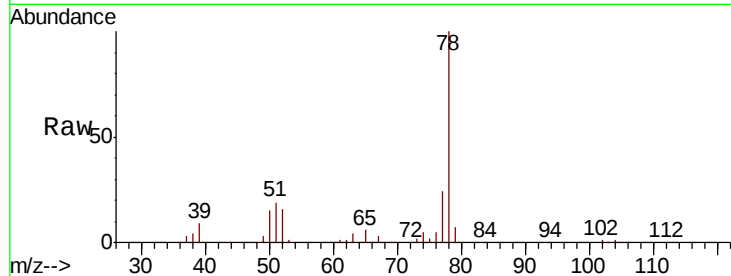
Tot Ion: 78 Resp: 2247755

Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9

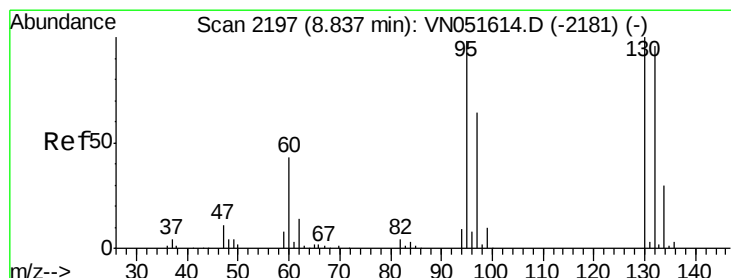
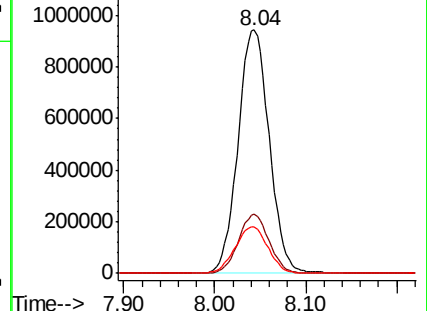
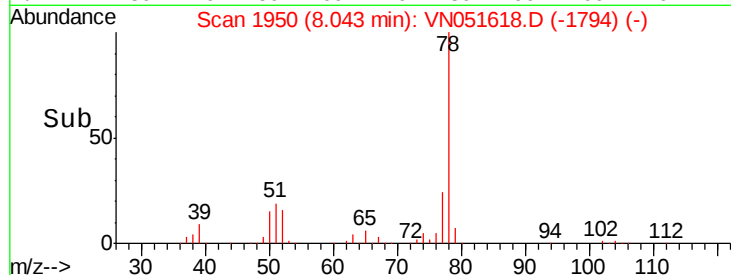
51 19.0 20.8 31.2#



Abundance Ion 78.10 (77.80 to 78.80): VN051618.D (-1932) (-)

Ion 77.00 (76.70 to 77.70): VN051618.D (-1932) (-)

Ion 51.00 (50.70 to 51.70): VN051618.D (-1932) (-)



#37

Trichloroethene

Concen: 74.456 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051618.D

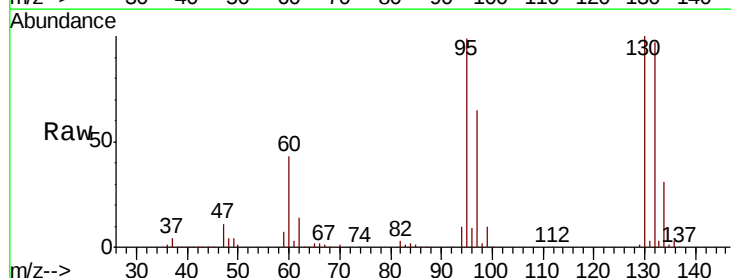
Acq: 28 Sep 2018 16:02

Tgt Ion:130 Resp: 508872

Ion Ratio Lower Upper

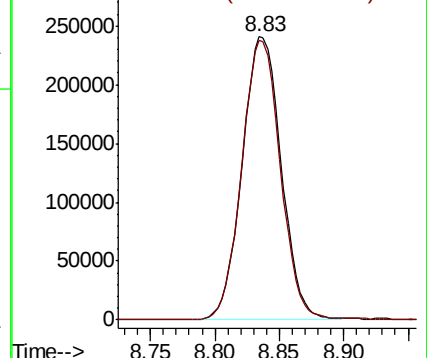
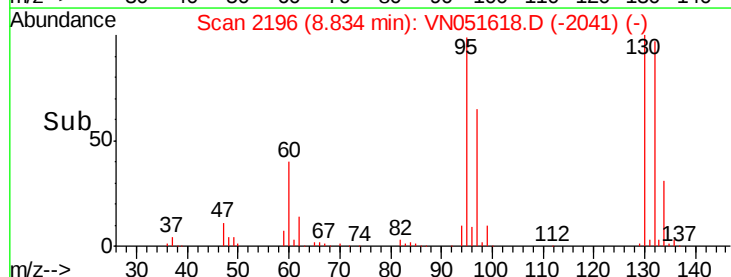
130 100

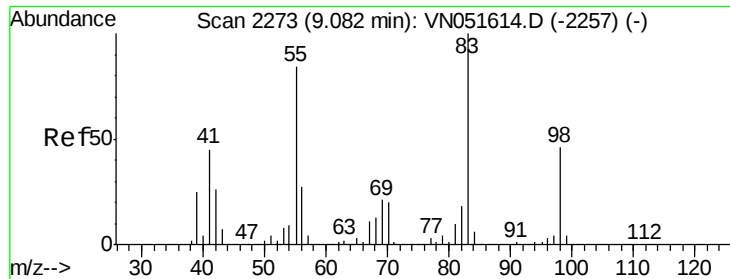
95 98.7 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): VN051618.D (-2041) (-)

Ion 94.90 (94.60 to 95.60): VN051618.D (-2041) (-)

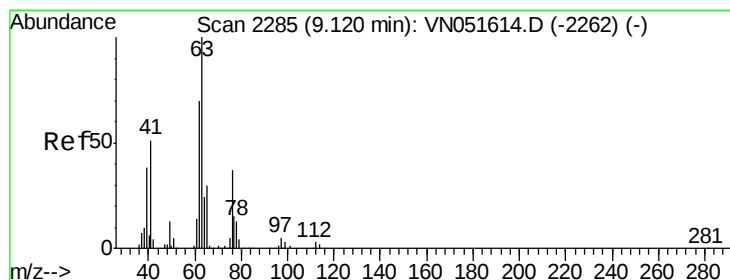
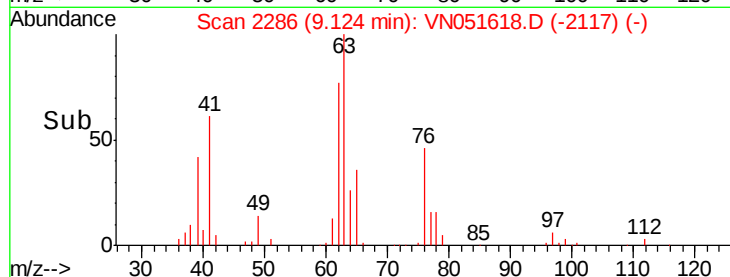
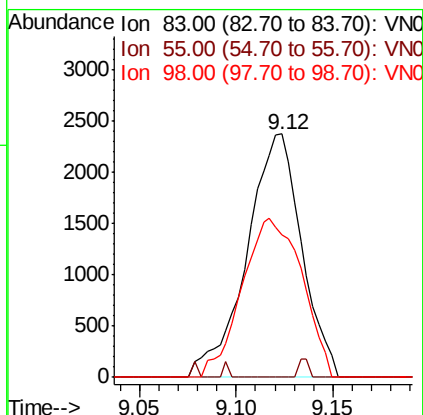
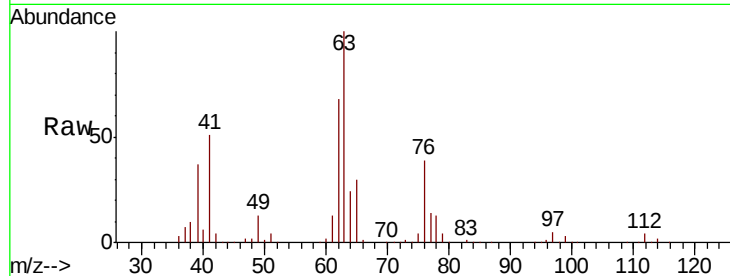




#38
Methylcyclohexane
Concen: 0.451 ug/l
RT: 9.12 min Scan# 2286
Delta R.T. 0.04 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

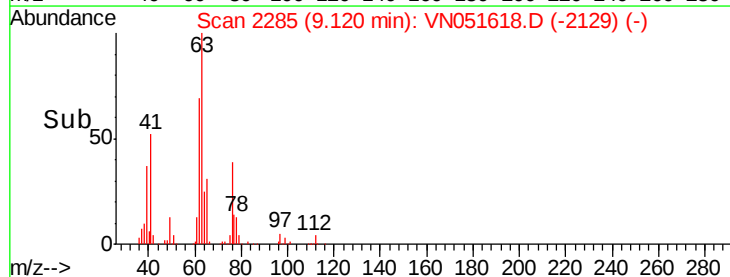
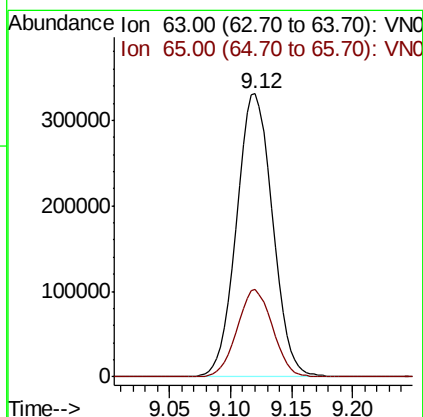
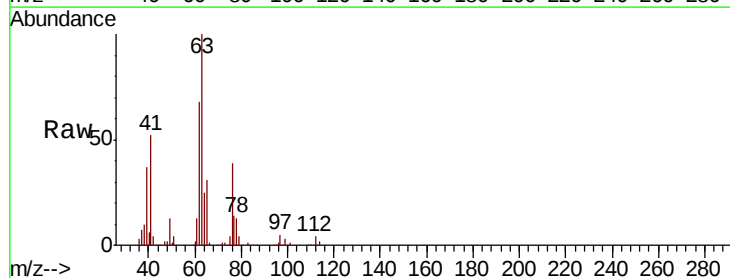
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WP

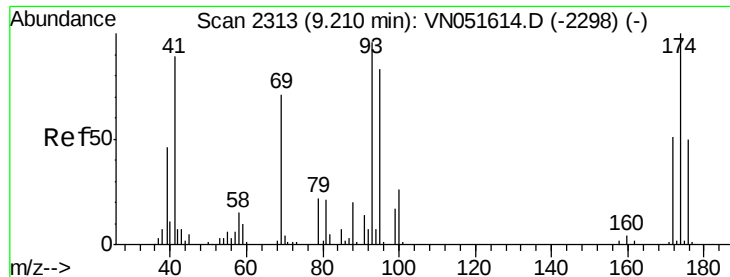
Tot Ion: 83 Resp: 4674
Ion Ratio Lower Upper
83 100
55 1.5 41.6 124.9#
98 71.8 23.1 69.2#



#39
1,2-Dichloropropane
Concen: 92.824 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

Tgt Ion: 63 Resp: 677079
Ion Ratio Lower Upper
63 100
65 30.8 24.4 36.6





#40

Dibromomethane

Concen: 124.133 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WP

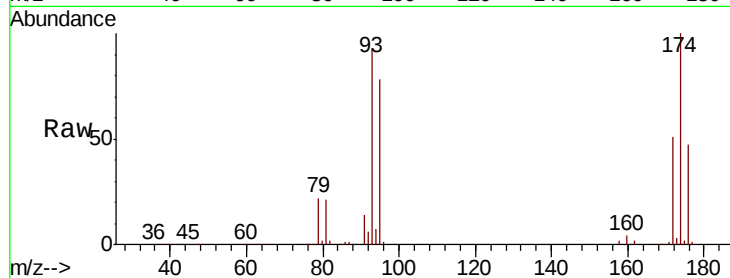
Tot Ion: 93 Resp: 502979

Ion Ratio Lower Upper

93 100

95 83.5 0.0 171.0

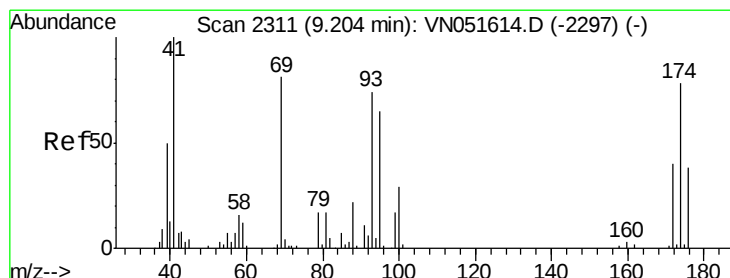
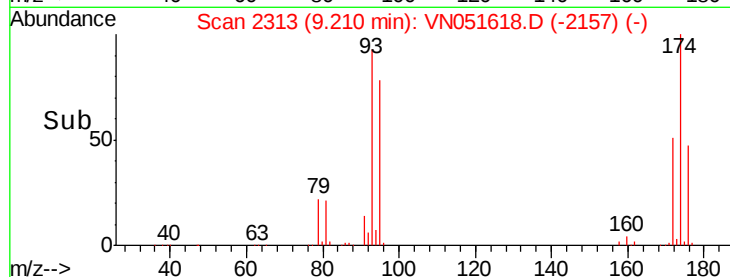
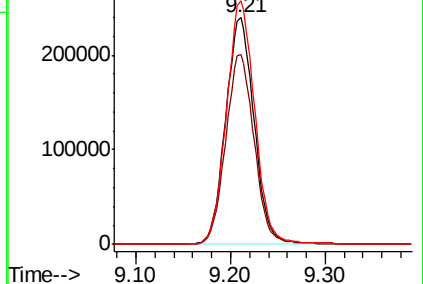
174 107.0 0.0 212.0



Abundance Ion 93.00 (92.70 to 93.70): VN051618.D (-2298) (-)

Ion 95.00 (94.70 to 95.70): VN051618.D (-2298) (-)

Ion 174.00 (173.70 to 174.70): VN051618.D (-2298) (-)



#45

1,4-Dioxane

Concen: 48.183 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

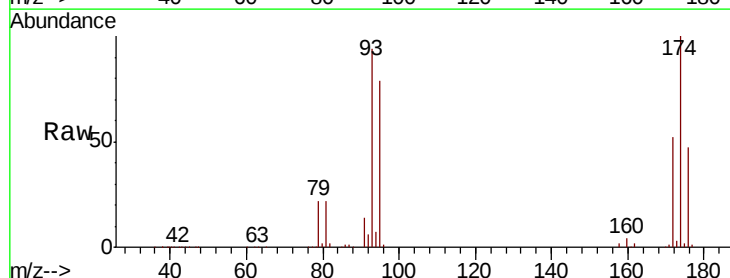
Tgt Ion: 88 Resp: 2638

Ion Ratio Lower Upper

88 100

43 10.0 29.0 43.6#

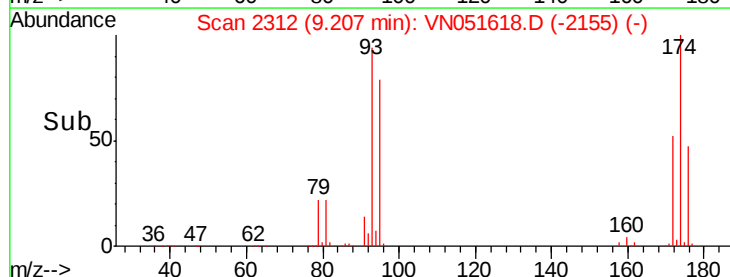
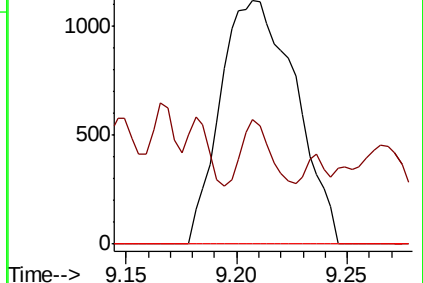
58 0.0 59.0 88.6#

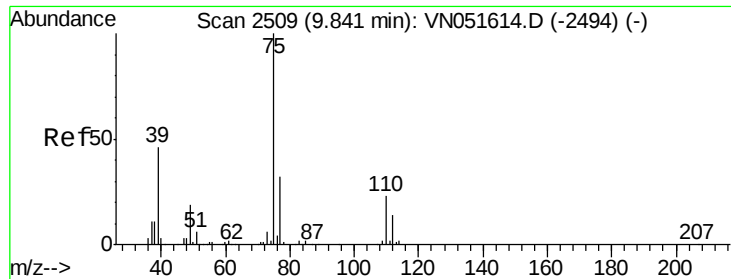


Abundance Ion 88.00 (87.70 to 88.70): VN051618.D (-2312) (-)

Ion 43.00 (42.70 to 43.70): VN051618.D (-2312) (-)

Ion 58.00 (57.70 to 58.70): VN051618.D (-2312) (-)



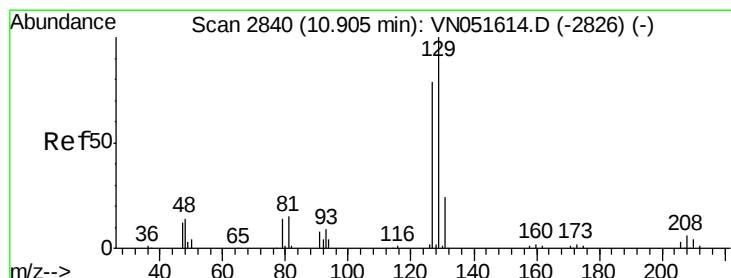
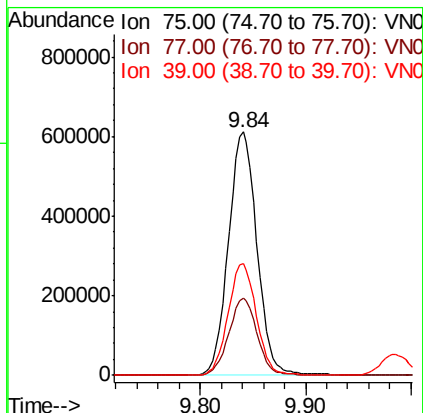
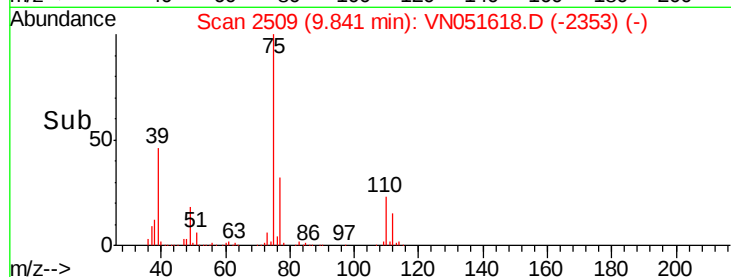
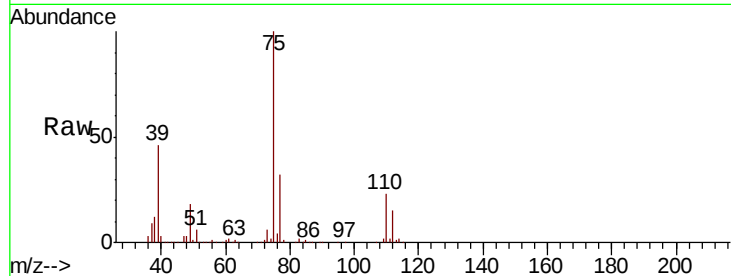


#49

cis-1,3-Dichloropropene
 Concen: 110.981 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

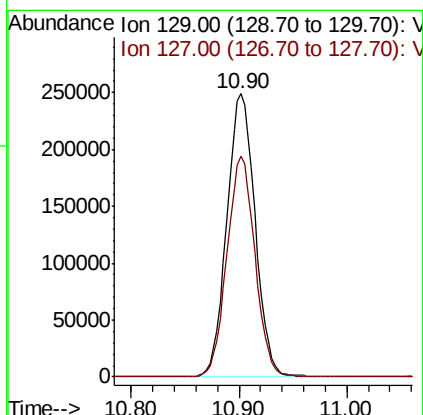
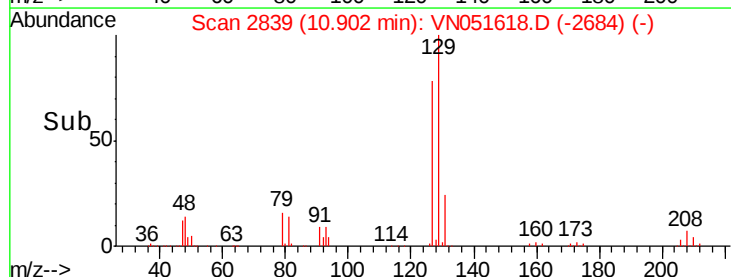
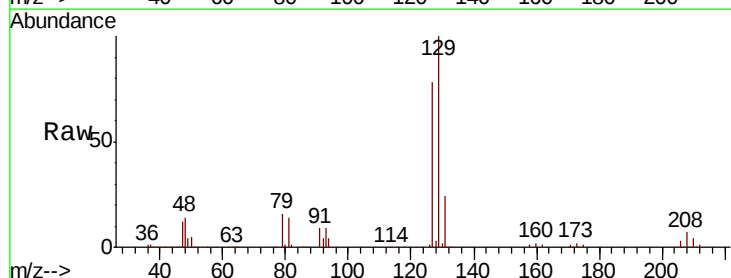
Tot Ion: 75 Resp: 1145412
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0
 39 45.7 36.6 55.0

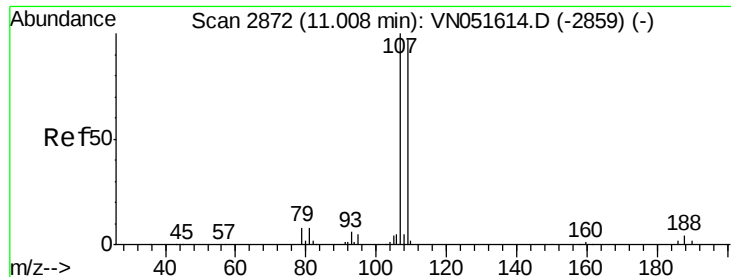


#53

Dibromochloromethane
 Concen: 69.853 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

Tgt Ion: 129 Resp: 455563
 Ion Ratio Lower Upper
 129 100
 127 77.1 38.9 116.7

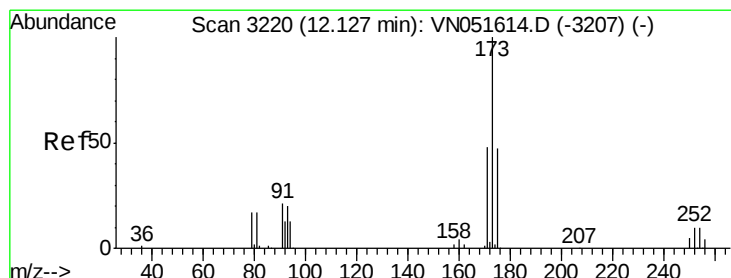
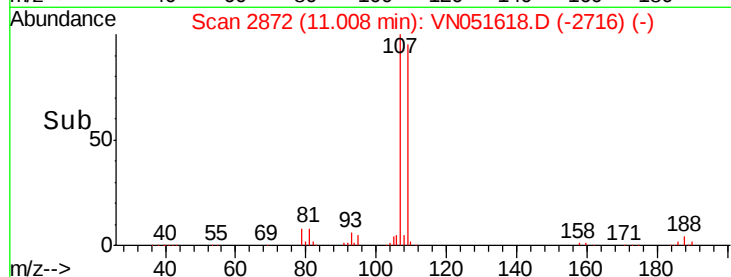
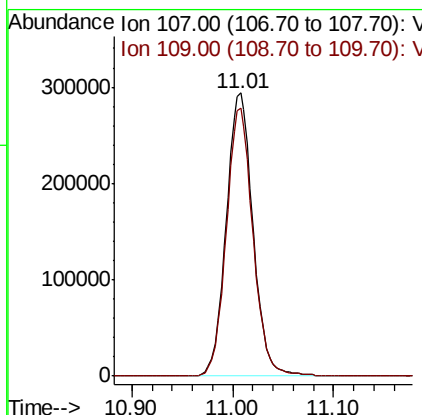
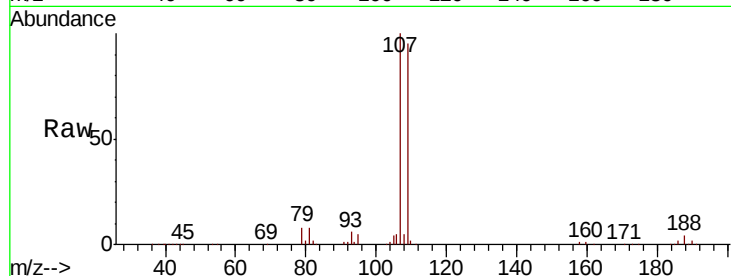




#54
 1,2-Dibromoethane
 Concen: 99.009 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

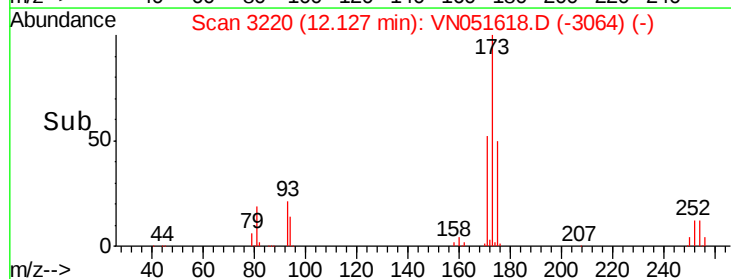
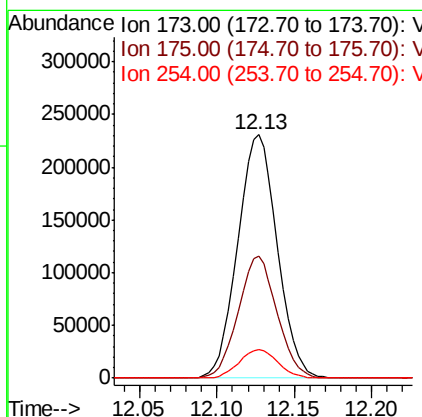
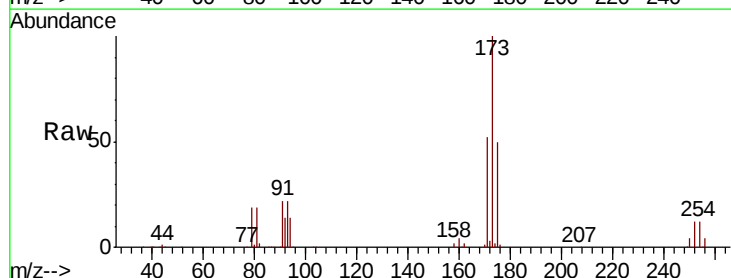
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

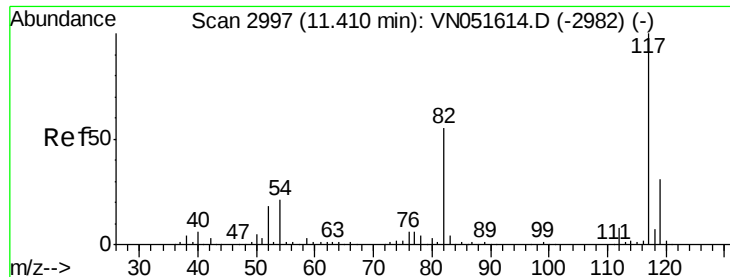
Tot Ion:107 Resp: 544002
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.5 114.7



#56
 Bromoform
 Concen: 94.687 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

Tgt Ion:173 Resp: 409756
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.0 58.4
 254 11.6 8.7 13.1

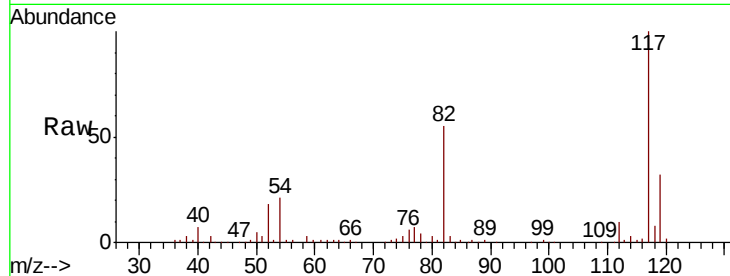




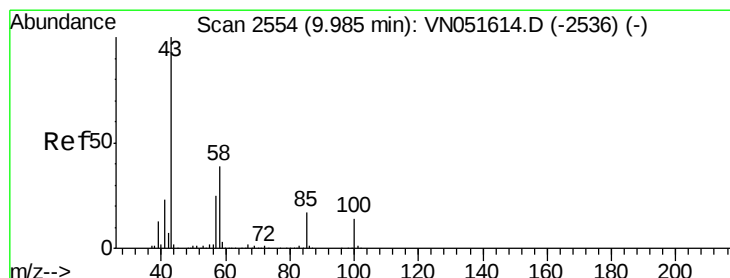
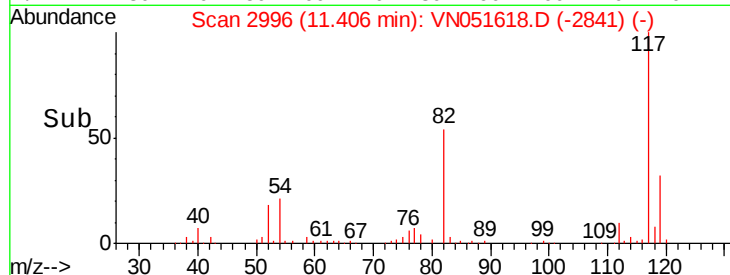
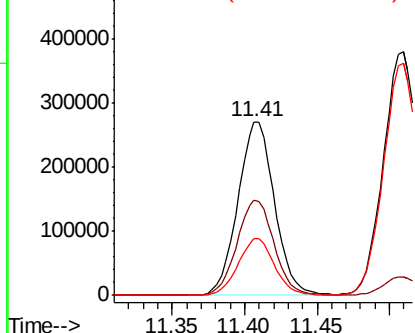
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WP

Tot Ion:117 Resp: 476056
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.3 25.2 37.8

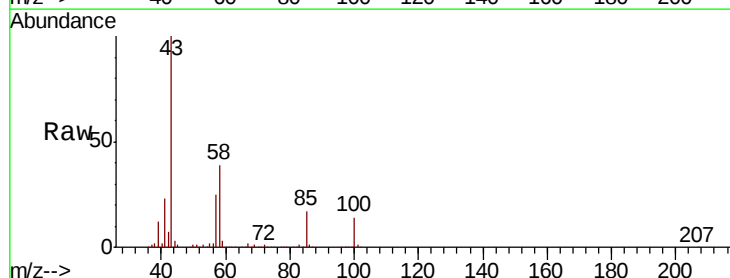


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

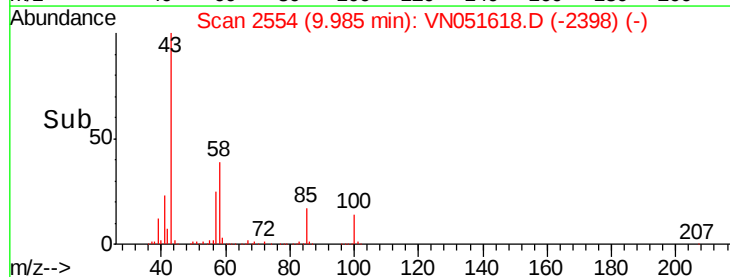
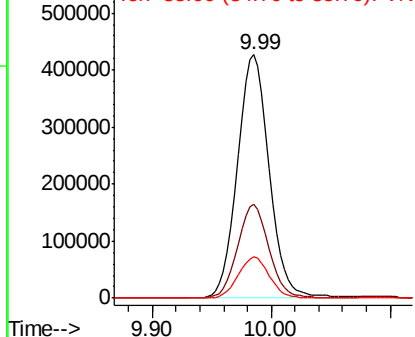


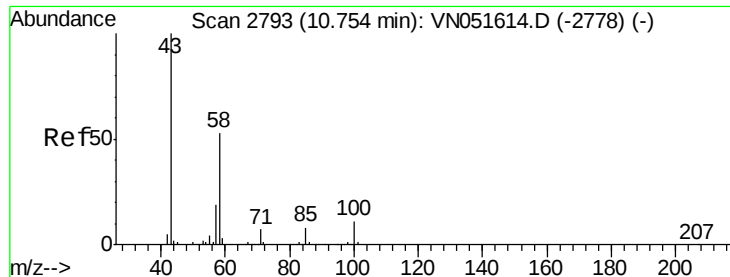
#58
4-Methyl-2-Pentanone
Concen: 145.794 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

Tgt Ion: 43 Resp: 788012
Ion Ratio Lower Upper
43 100
58 38.2 31.0 46.4
85 16.7 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

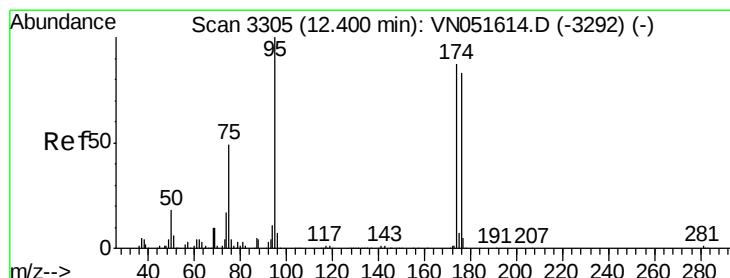
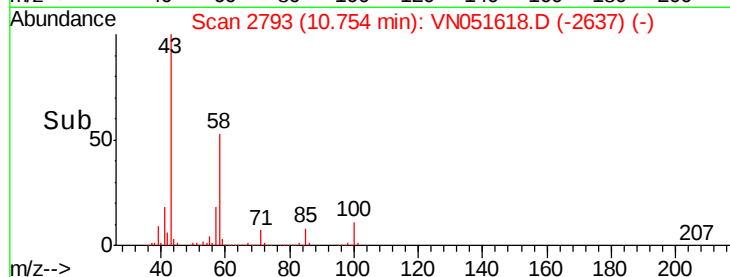
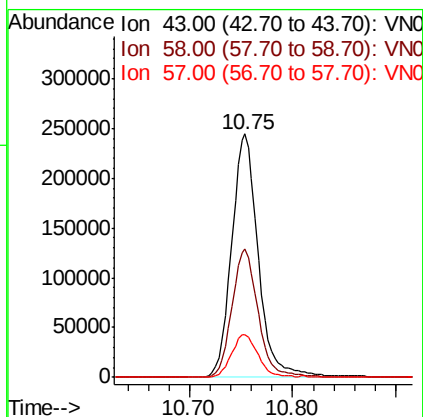
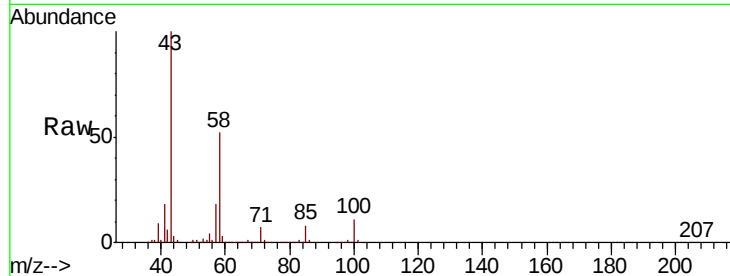




#59
2-Hexanone
Concen: 123.216 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

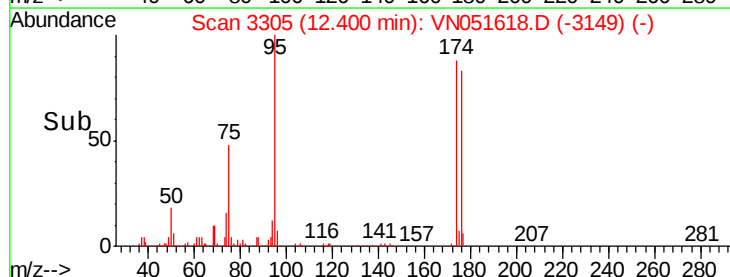
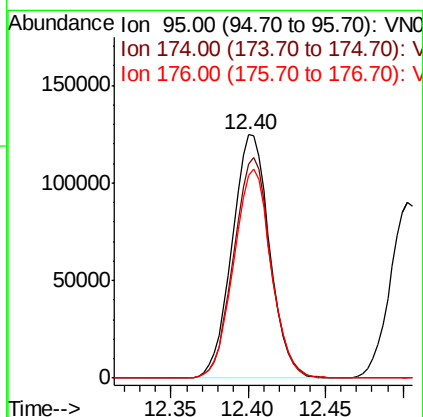
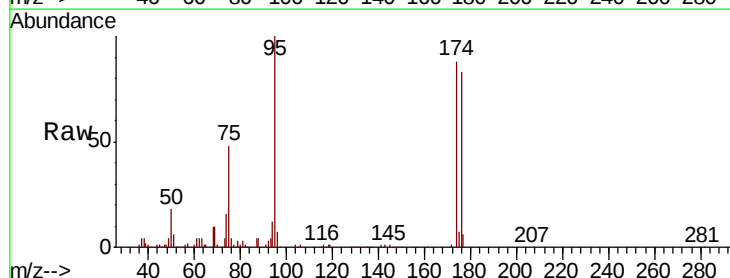
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WP

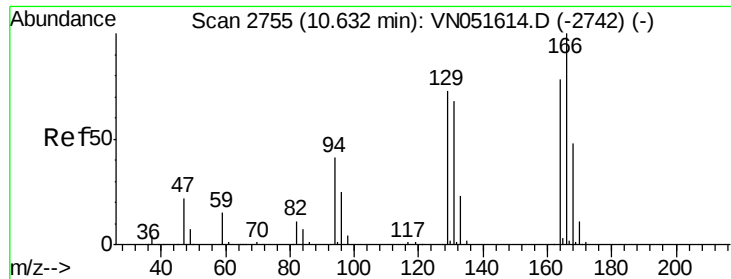
Tot Ion: 43 Resp: 438126
Ion Ratio Lower Upper
43 100
58 52.3 41.5 62.3
57 17.6 14.2 21.4



#60
4-Bromofluorobenzene
Concen: 123.216 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

Tgt Ion: 95 Resp: 210054
Ion Ratio Lower Upper
95 100
174 89.3 71.2 106.8
176 85.7 67.8 101.8





#61

Tetrachloroethene

Concen: 52.076 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WP

Tot Ion:164 Resp: 350994

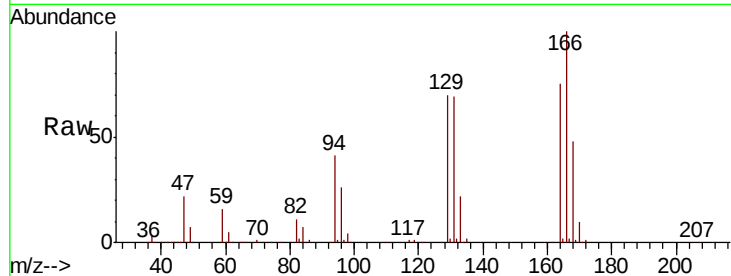
Ion Ratio Lower Upper

164 100

166 133.0 103.1 154.7

129 93.5 75.3 112.9

131 91.1 70.8 106.2

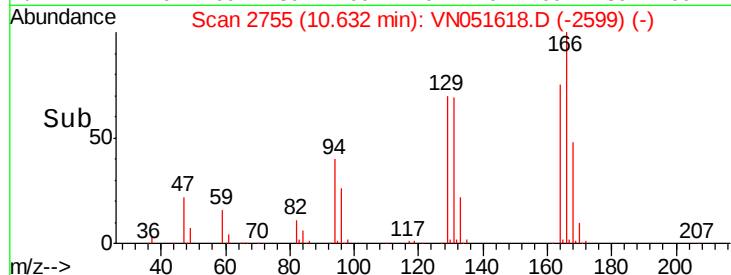


Abundance Ion 163.85 (163.55 to 164.55): V

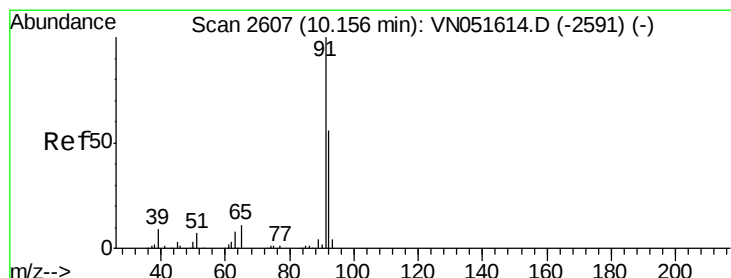
Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Time-->



#62

Toluene

Concen: 53.115 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051618.D

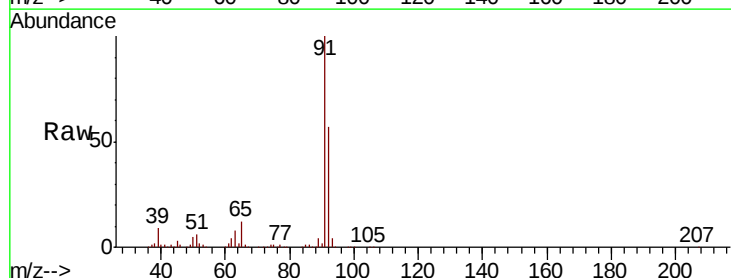
Acq: 28 Sep 2018 16:02

Tgt Ion: 91 Resp: 1550450

Ion Ratio Lower Upper

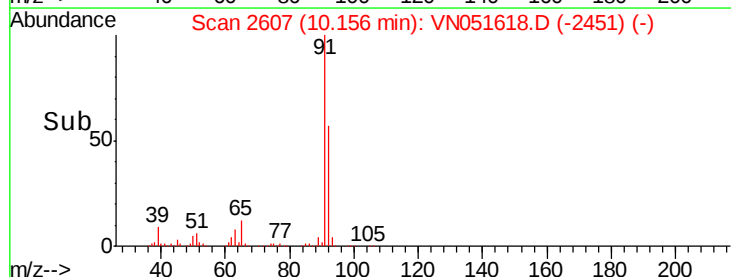
91 100

92 57.1 45.3 67.9

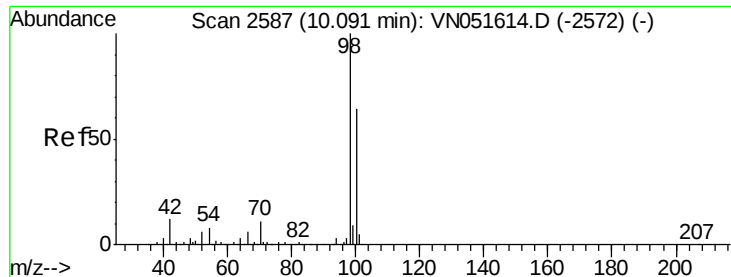


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V



Time-->



#63

Toluene-d8

Concen: 53.115 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

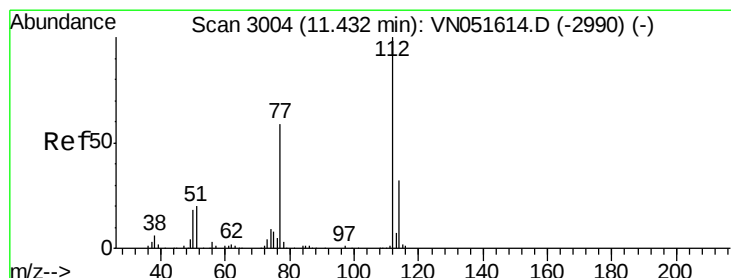
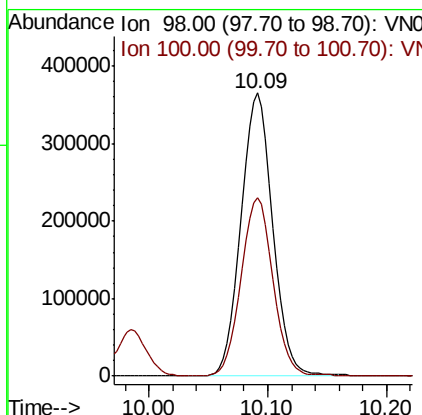
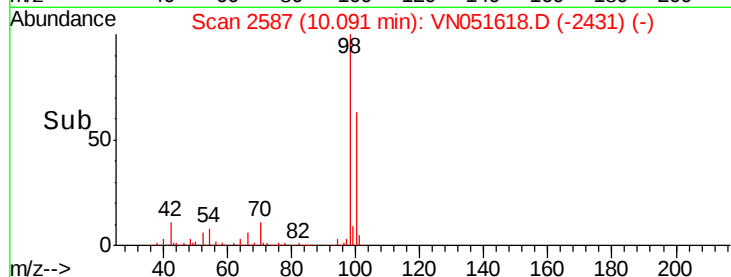
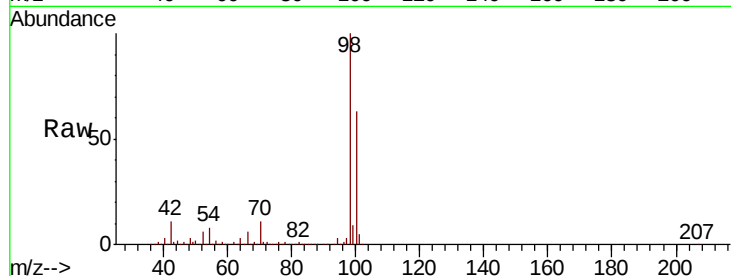
PT-VOA-WP

Tot Ion: 98 Resp: 674745

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.0



#64

Chlorobenzene

Concen: 43.584 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051618.D

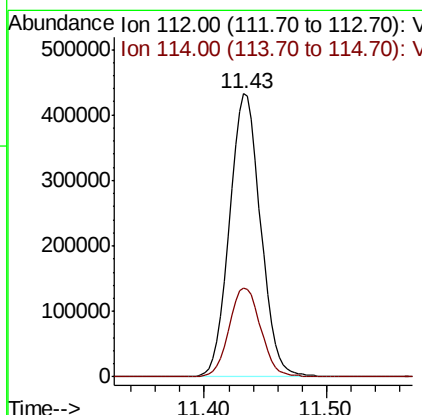
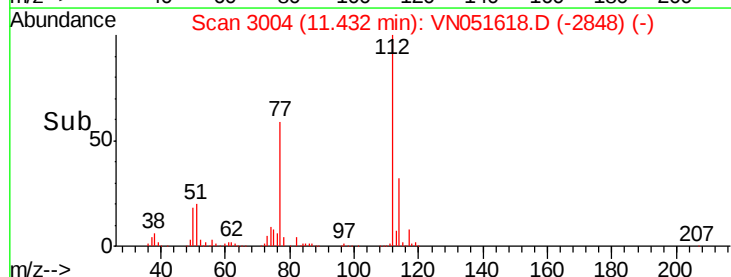
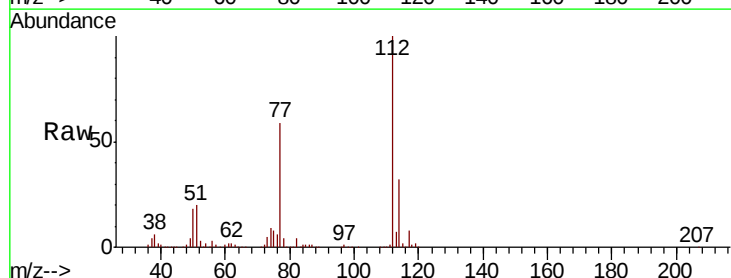
Acq: 28 Sep 2018 16:02

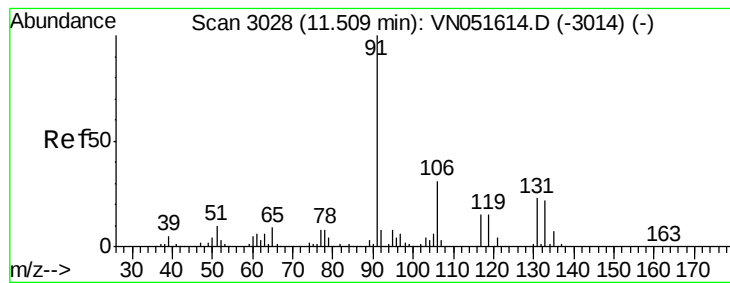
Tgt Ion: 112 Resp: 769222

Ion Ratio Lower Upper

112 100

114 31.6 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 140.460 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

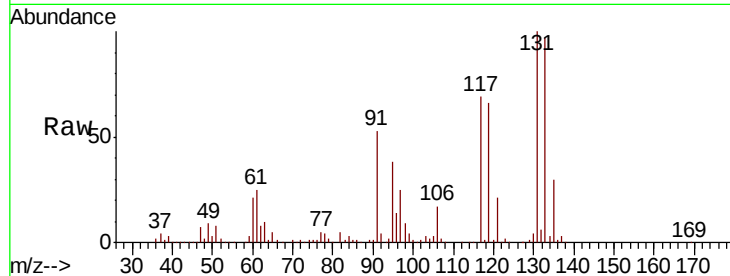
Tot Ion:131 Resp: 946599

Ion Ratio Lower Upper

131 100

133 95.7 0.0 193.0

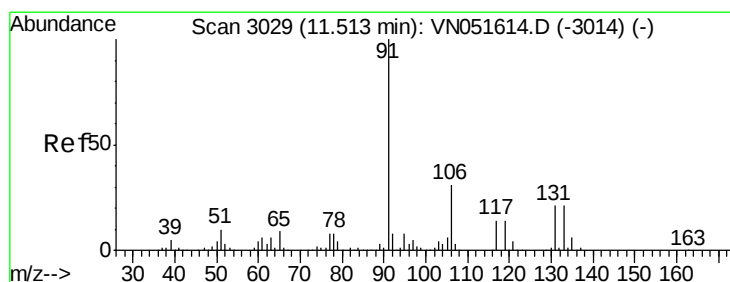
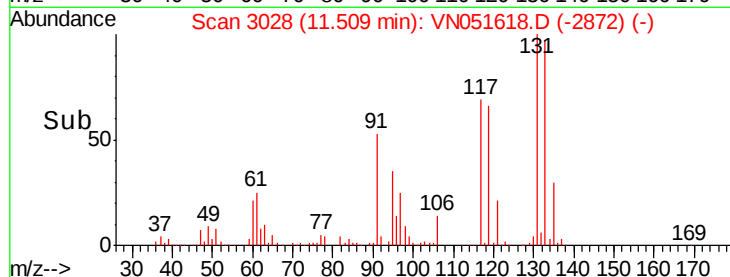
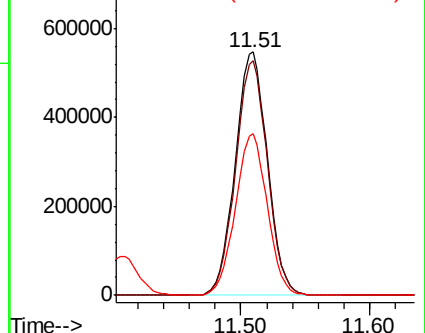
119 66.0 0.0 135.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 16.391 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051618.D

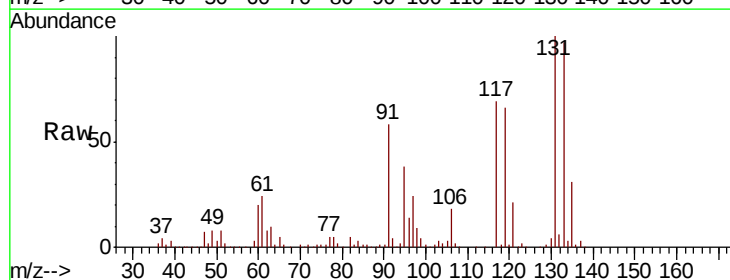
Acq: 28 Sep 2018 16:02

Tgt Ion: 91 Resp: 489675

Ion Ratio Lower Upper

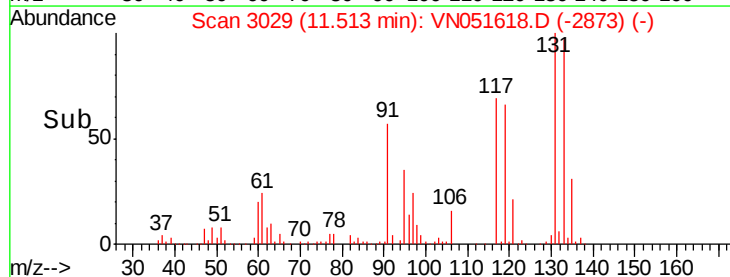
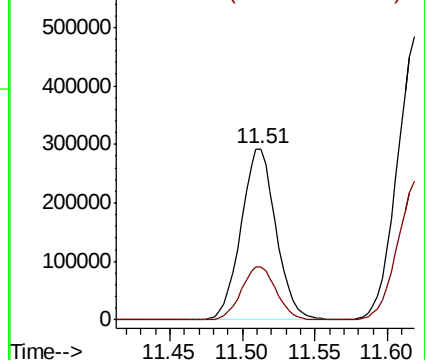
91 100

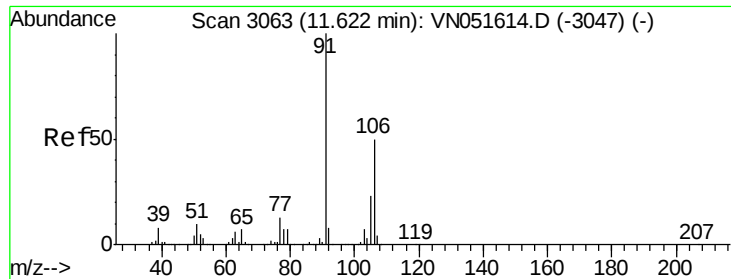
106 31.0 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.812 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampled :

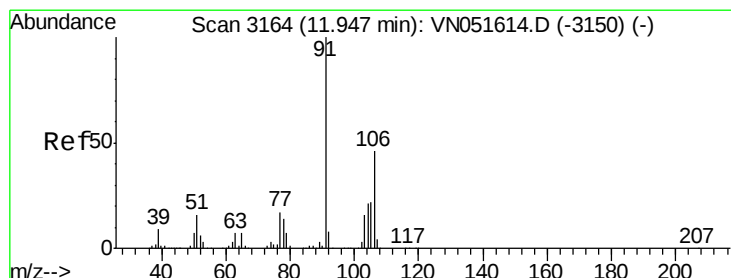
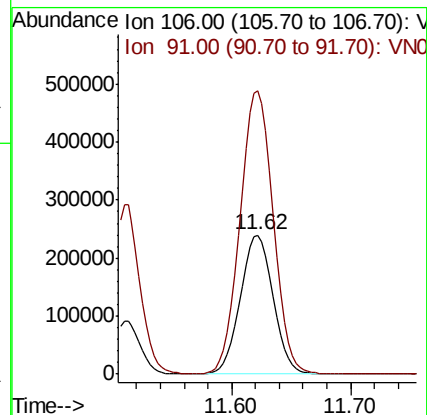
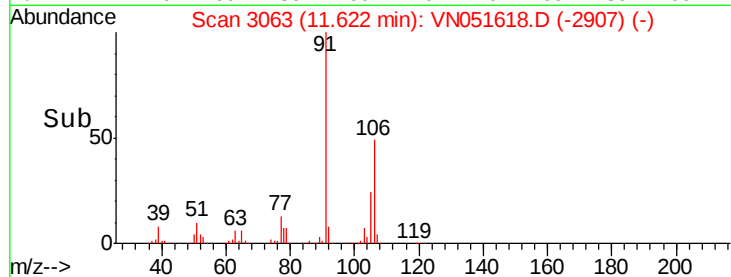
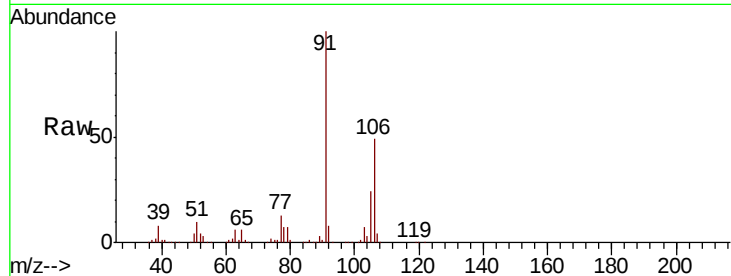
PT-VOA-WP

Tot Ion:106 Resp: 458392

Ion Ratio Lower Upper

106 100

91 205.0 161.5 242.3



#68

o-Xylene

Concen: 83.069 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051618.D

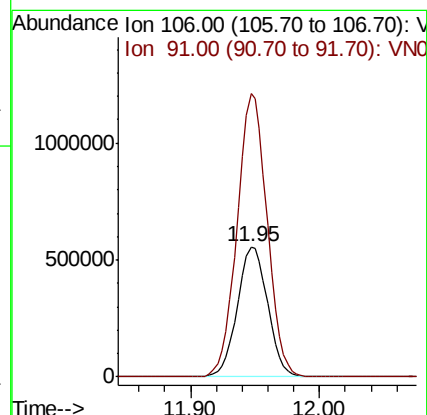
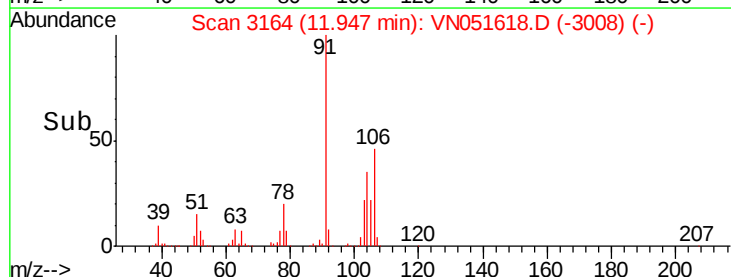
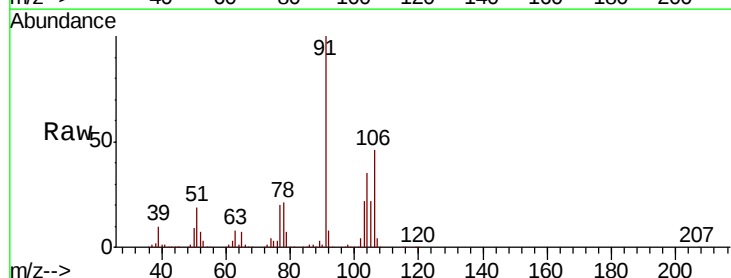
Acq: 28 Sep 2018 16:02

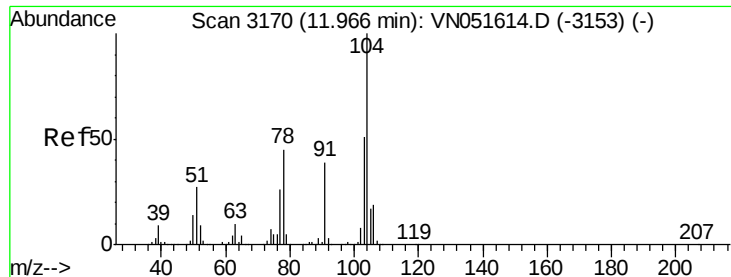
Tgt Ion:106 Resp: 913021

Ion Ratio Lower Upper

106 100

91 214.0 109.7 329.1

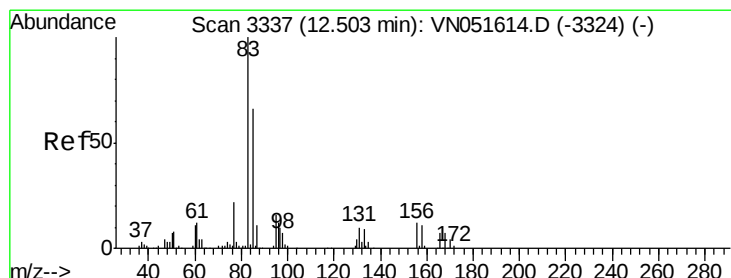
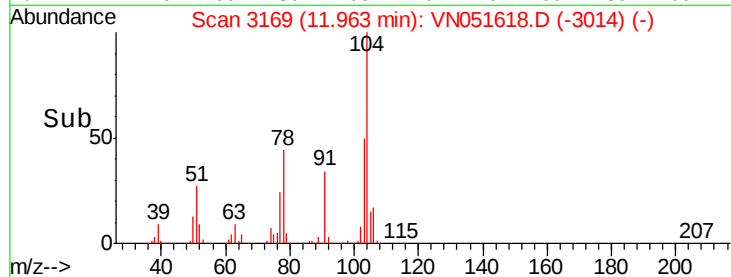
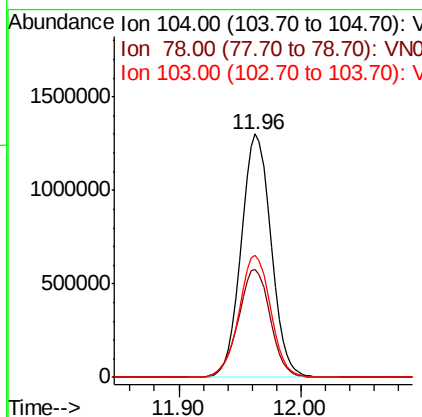
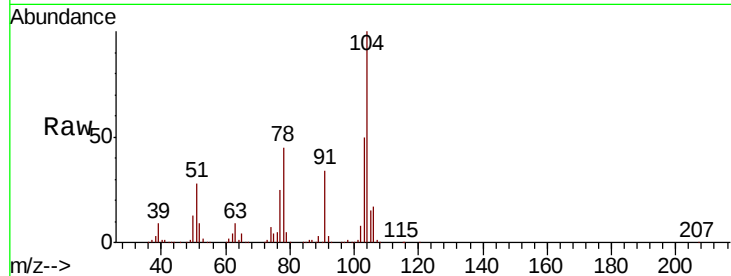




#69
Stvrene
Concen: 127.235 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

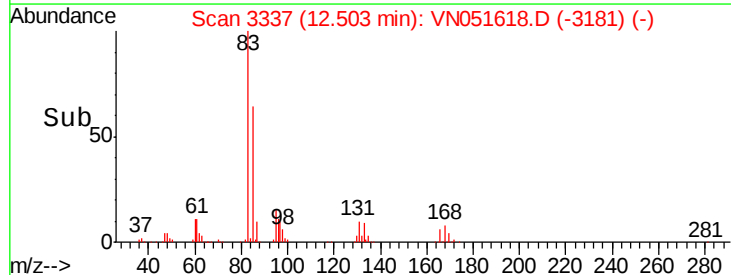
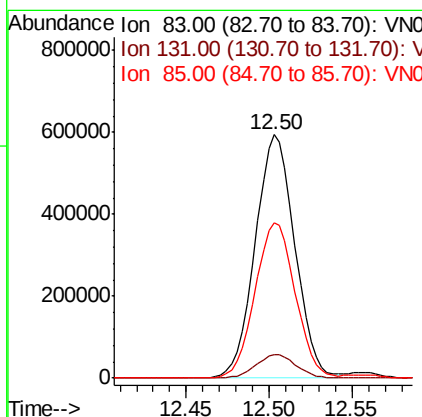
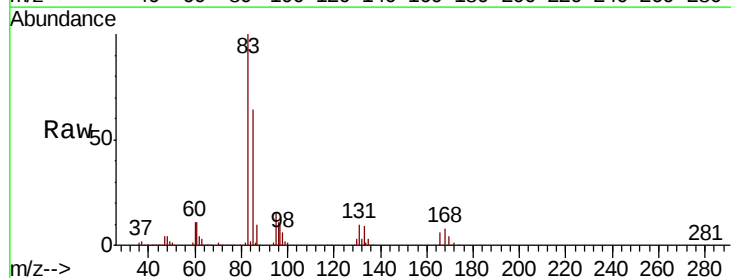
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WP

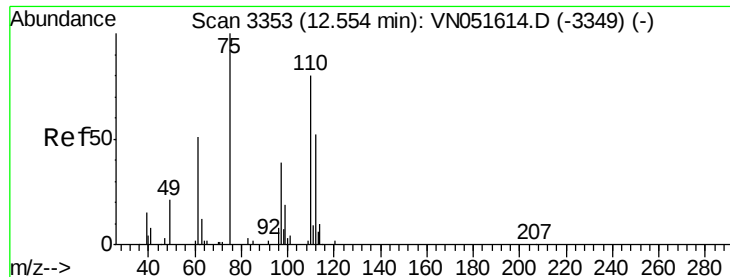
Tot Ion:104 Resp: 2195009
Ion Ratio Lower Upper
104 100
78 47.6 40.3 60.5
103 53.2 45.7 68.5



#71
1,1,2,2-Tetrachloroethane
Concen: 139.678 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

Tgt Ion: 83 Resp: 990778
Ion Ratio Lower Upper
83 100
131 9.7 5.2 15.6
85 64.8 32.0 96.2





#72

1,2,3-Trichloropropane

Concen: 135.977 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampled :

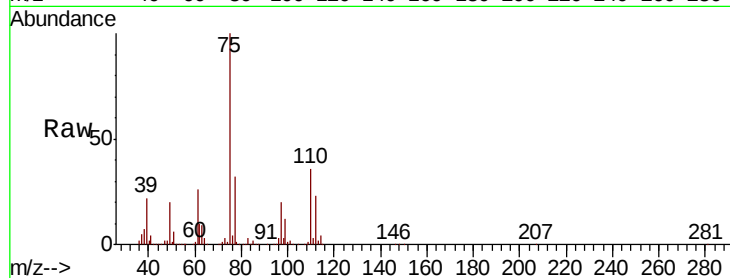
PT-VOA-WP

Tot Ion: 75 Resp: 824638

Ion Ratio Lower Upper

75 100

77 32.0 0.0 492.2



Abundance Ion 75.00 (74.70 to 75.70): VN051618.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051618.D (-3353) (-)

12.55

500000

400000

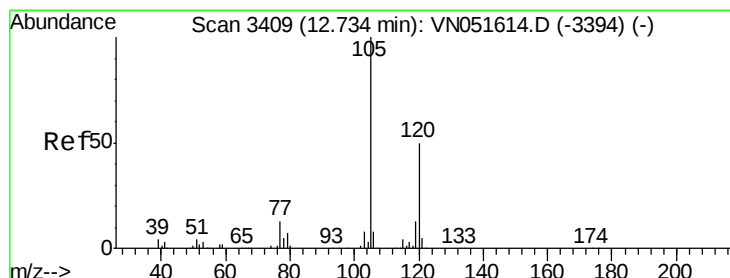
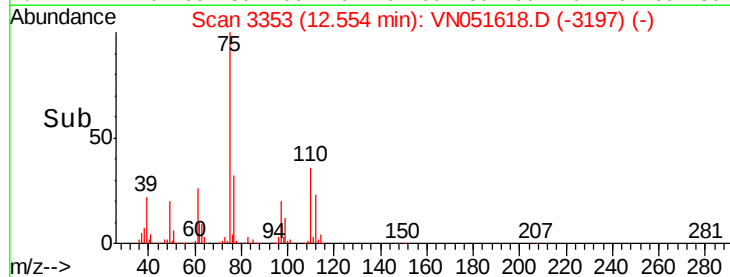
300000

200000

100000

0

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 51.659 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051618.D

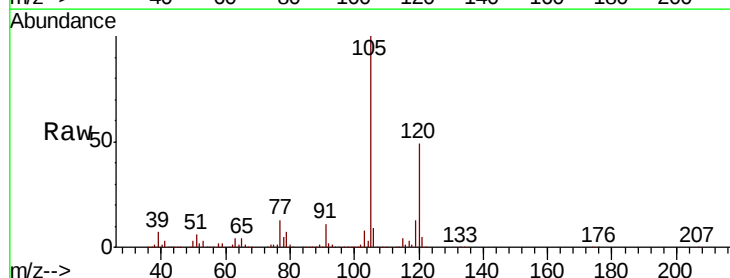
Acq: 28 Sep 2018 16:02

Tgt Ion: 105 Resp: 1265552

Ion Ratio Lower Upper

105 100

120 49.0 0.0 99.8



Abundance Ion 105.00 (104.70 to 105.70): VN051618.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN051618.D (-3253) (-)

12.73

800000

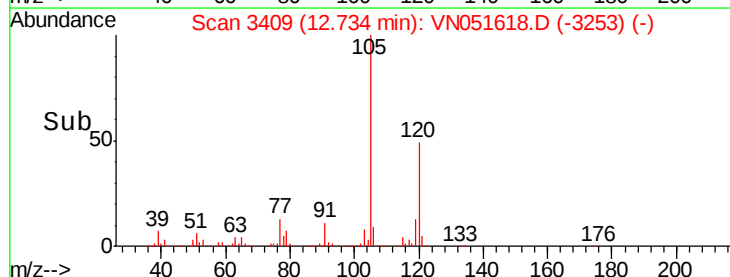
600000

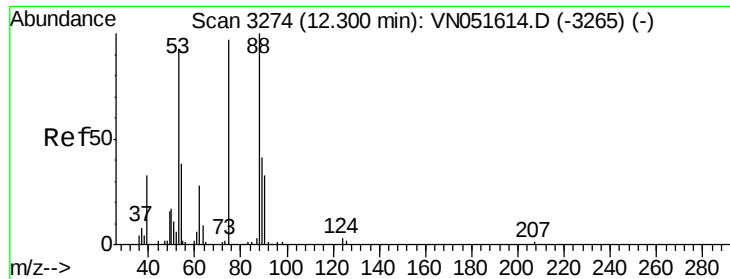
400000

200000

0

Time-->

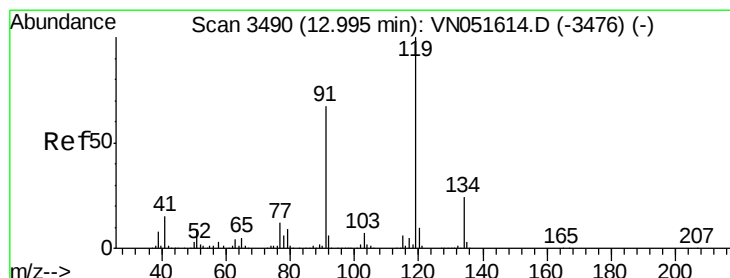
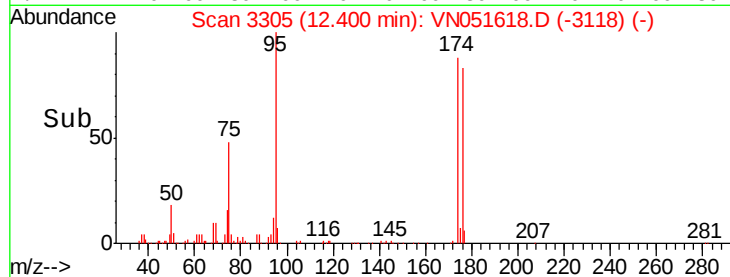
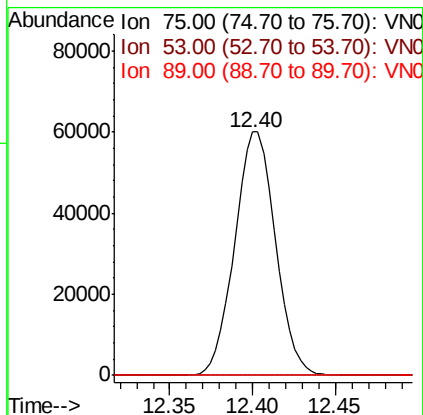
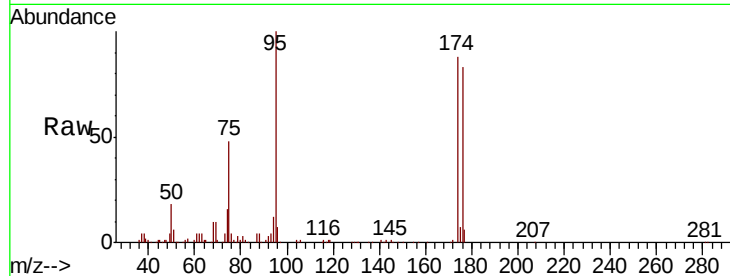




#77
t-1,4-Dichloro-2-butene
Concen: 53.586 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

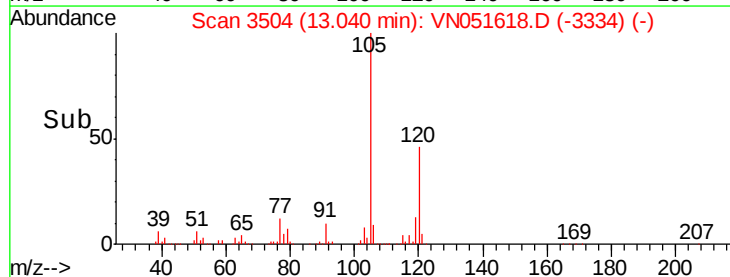
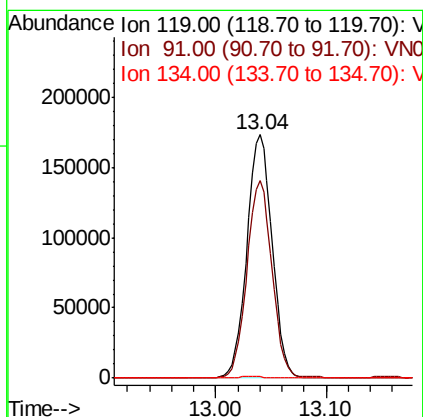
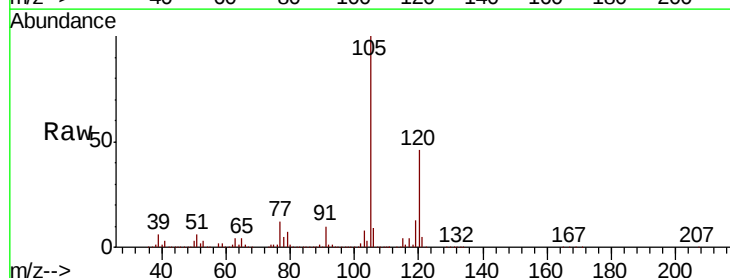
Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

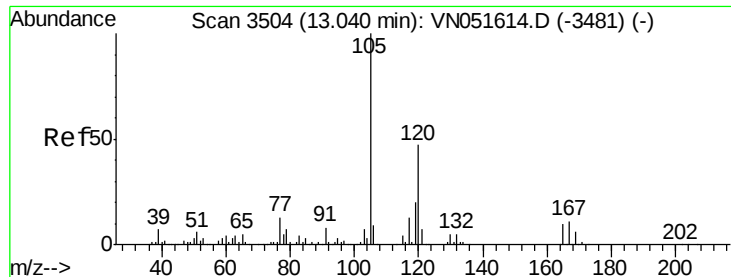
Tot Ion: 75 Resp: 102923
Ion Ratio Lower Upper
75 100
53 0.3 48.1 144.4#
89 0.3 22.4 67.3#



#79
tert-butylbenzene
Concen: 12.955 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN051618.D
Acq: 28 Sep 2018 16:02

Tgt Ion: 119 Resp: 274955
Ion Ratio Lower Upper
119 100
91 80.0 0.0 132.4
134 0.7 0.0 48.4

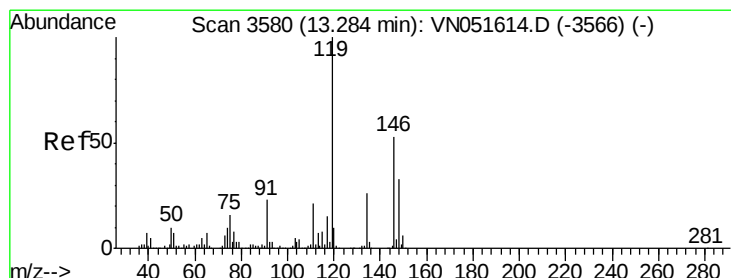
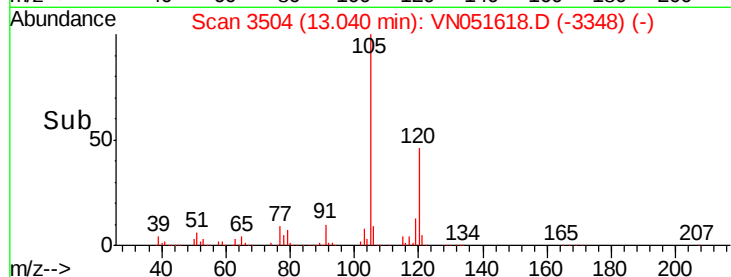
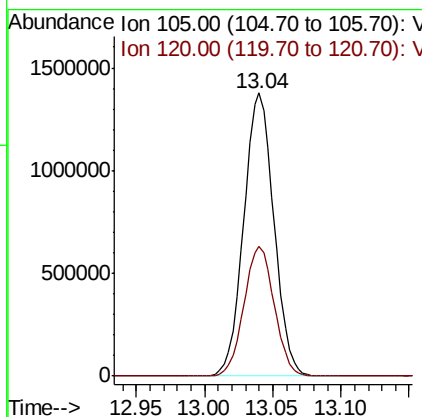
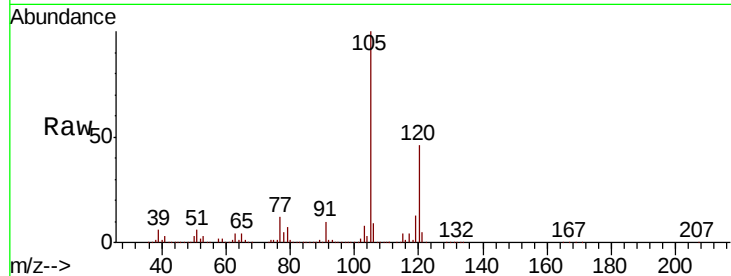




#80
 1,2,4-Trimethylbenzene
 Concen: 86.216 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

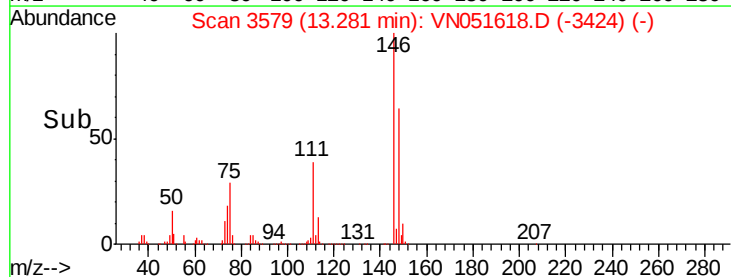
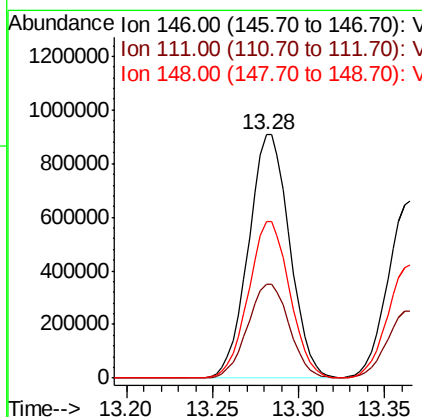
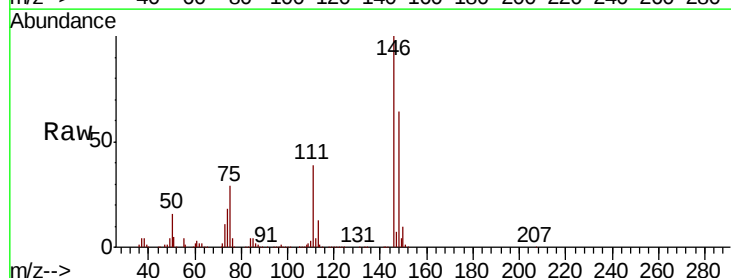
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

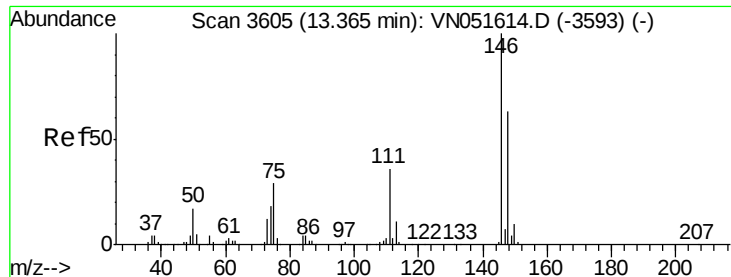
Tot Ion:105 Resp: 2109642
 Ion Ratio Lower Upper
 105 100
 120 46.0 0.0 91.6



#83
 1,3-Dichlorobenzene
 Concen: 118.527 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

Tgt Ion:146 Resp: 1506907
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.9 59.6
 148 64.4 32.4 97.2

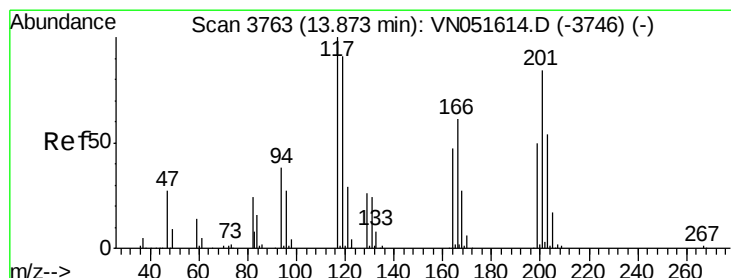
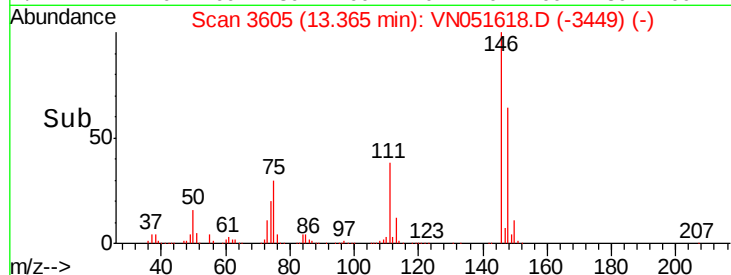
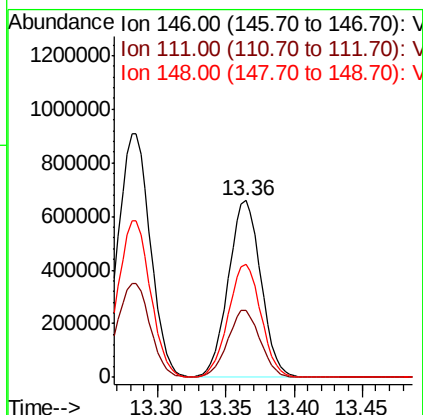
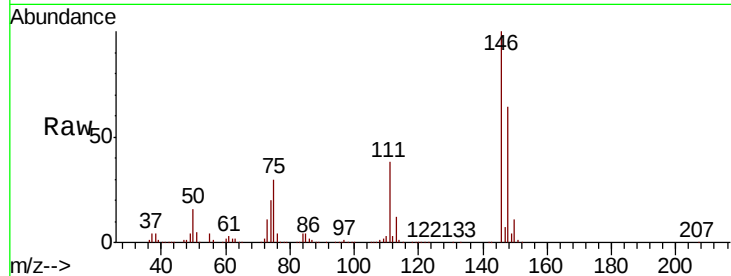




#84
 1,4-Dichlorobenzene
 Concen: 91.579 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

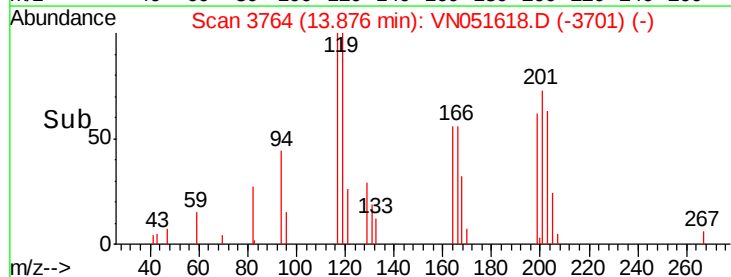
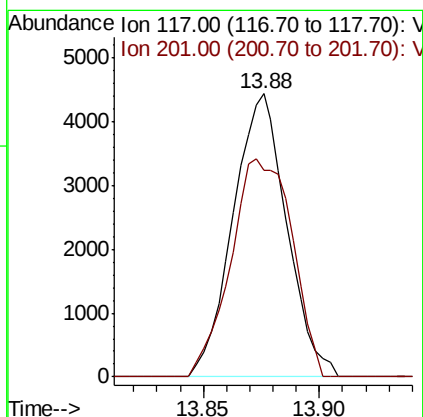
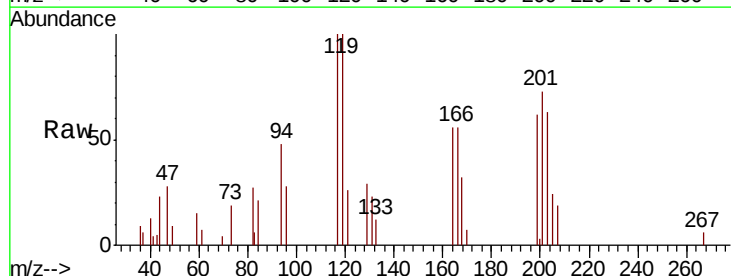
Instrument :
 MSVOA_N
 ClientSampled :
 PT-VOA-WP

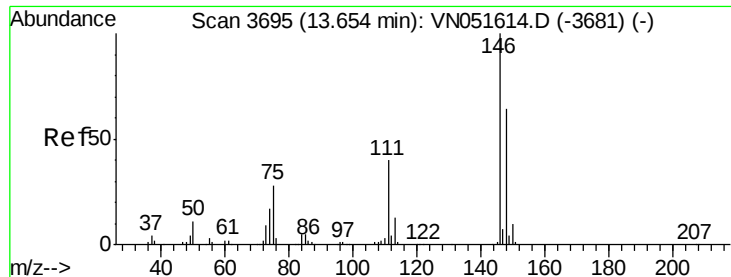
Tot Ion:146 Resp: 1094450
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 55.8
 148 64.2 32.1 96.5



#86
 Hexachloroethane
 Concen: 1.428 ug/l
 RT: 13.88 min Scan# 3764
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

Tgt Ion:117 Resp: 7157
 Ion Ratio Lower Upper
 117 100
 201 58.7 42.9 128.5

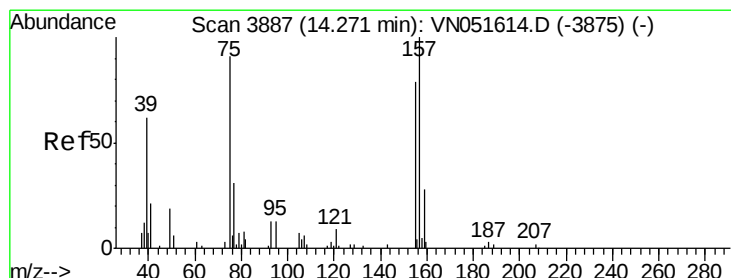
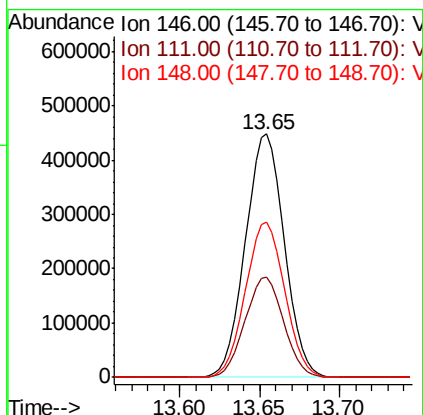
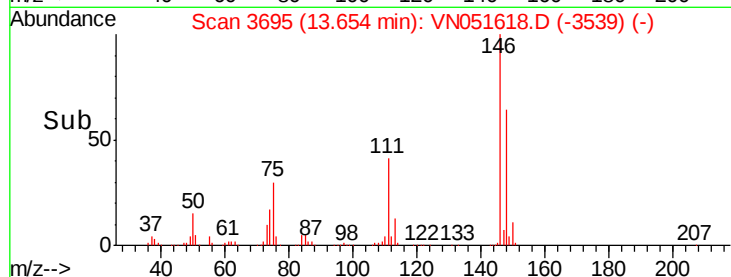
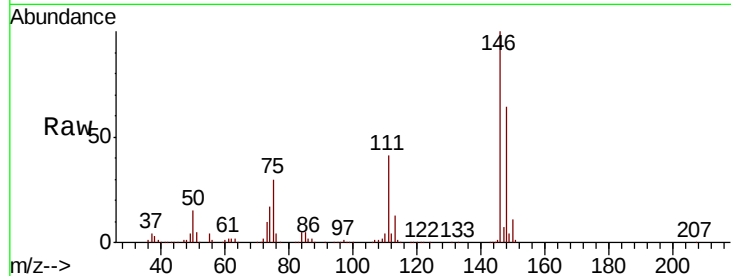




#87
 1,2-Dichlorobenzene
 Concen: 60.101 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

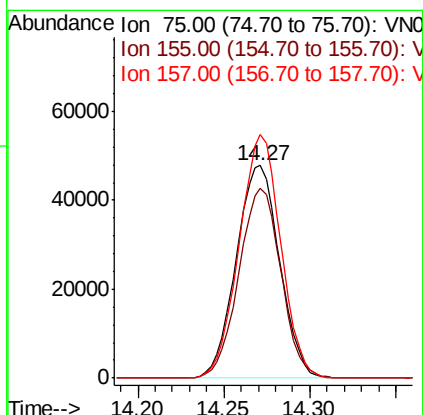
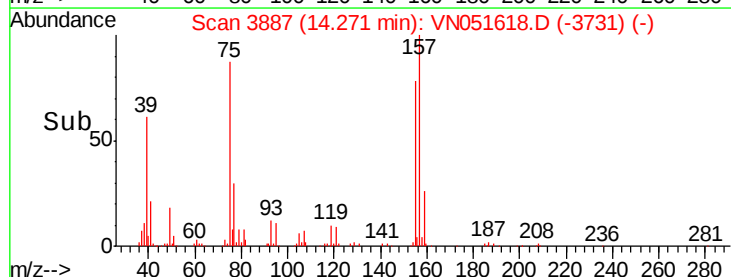
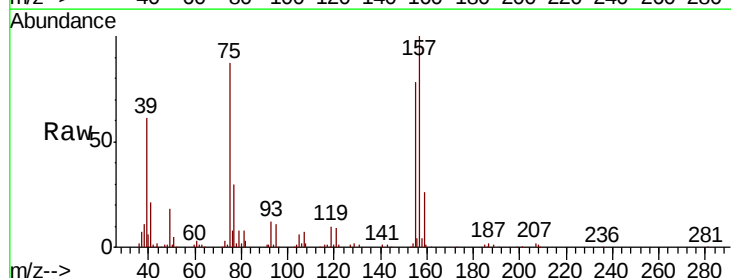
Instrument :
 MSVOA_N
 ClientSampled :
 PT-VOA-WP

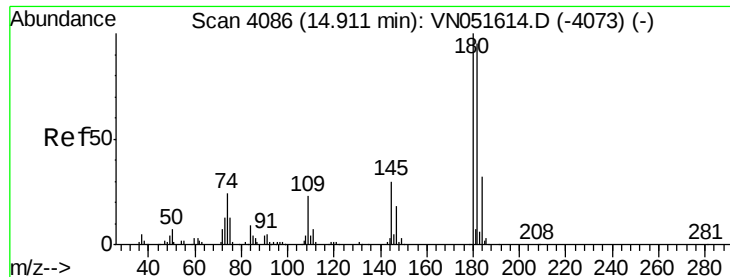
Tot Ion:146 Resp: 747474
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.1 60.3
 148 64.2 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 81.054 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

Tgt Ion: 75 Resp: 83797
 Ion Ratio Lower Upper
 75 100
 155 86.4 67.1 100.7
 157 109.4 85.8 128.6

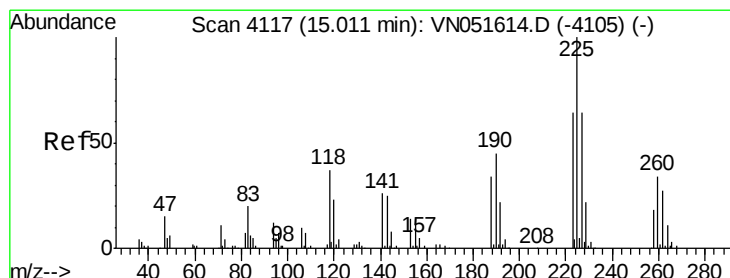
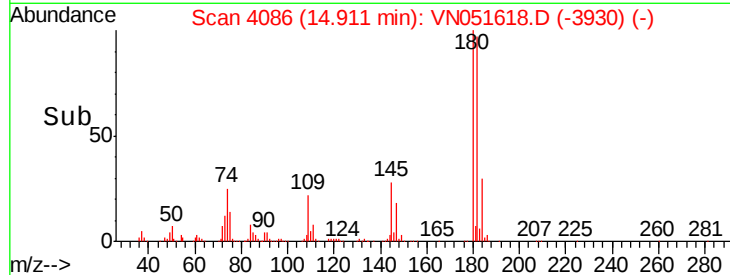
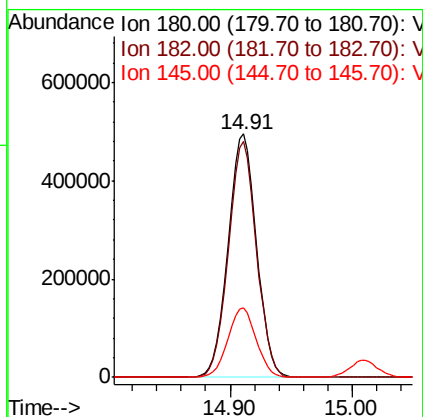
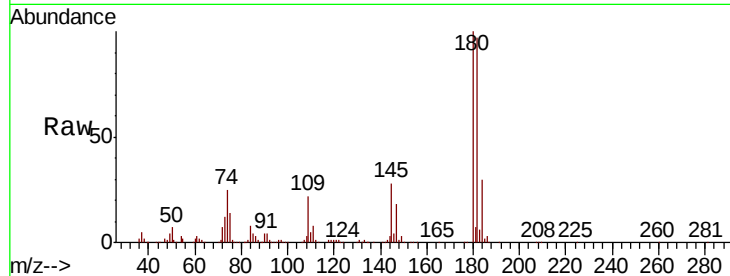




#89
 1,2,4-Trichlorobenzene
 Concen: 137.970 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

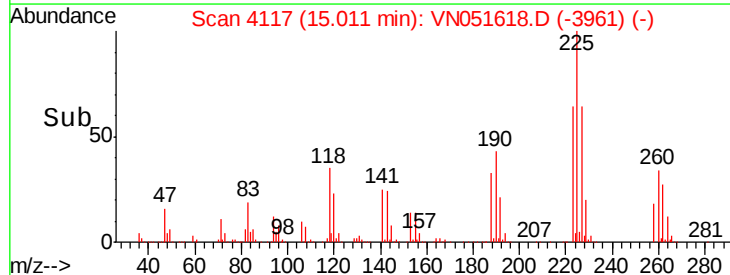
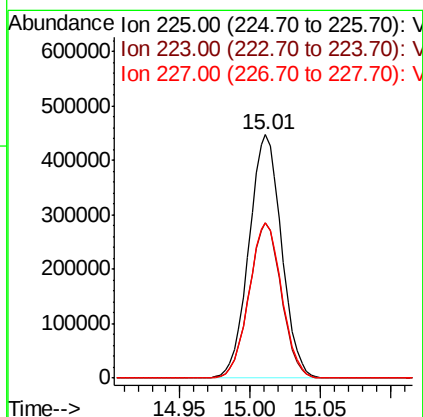
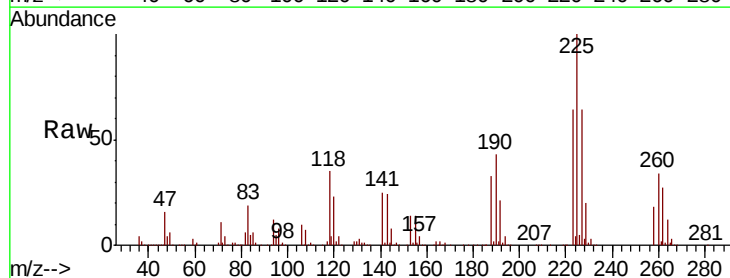
Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

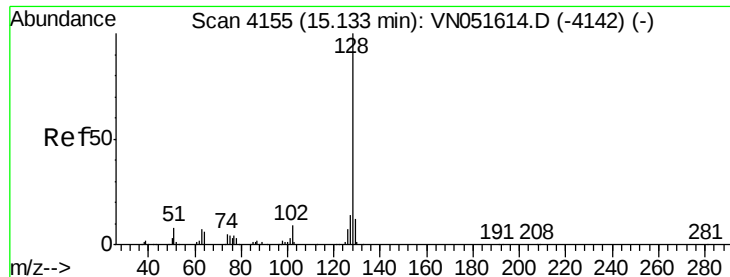
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.2	112.8
145	28.4	22.9	34.3



#90
 Hexachlorobutadiene
 Concen: 152.318 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051618.D
 Acq: 28 Sep 2018 16:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	0.0	131.0
227	64.1	0.0	129.0





#91

Naphthalene

Concen: 116.435 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

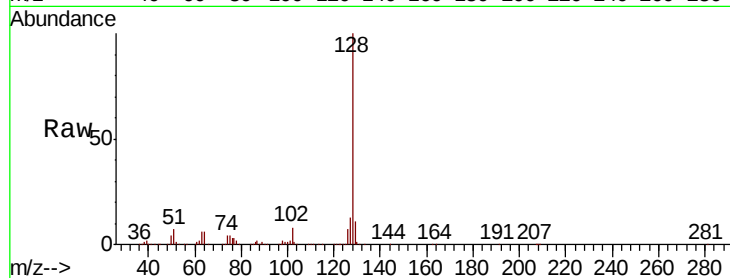
Tot Ion:128 Resp: 1850141

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

129 10.7 9.1 13.7

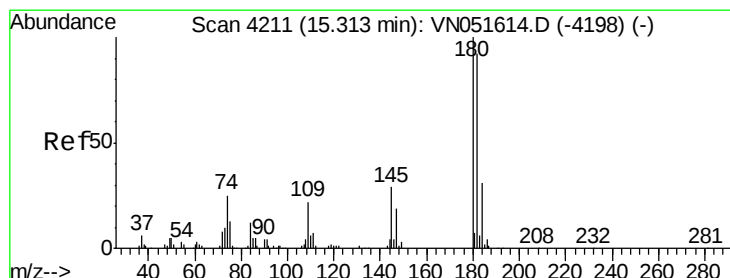
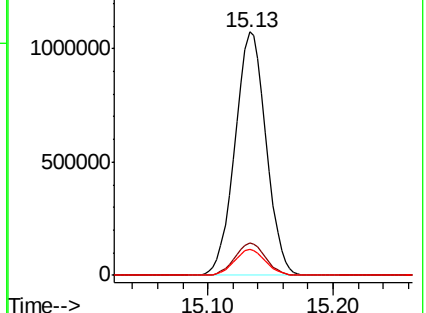
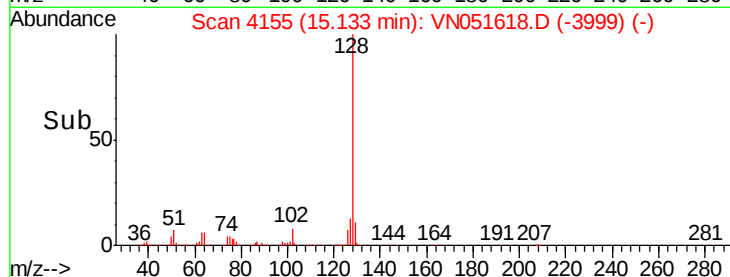


Abundance

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



#92

1,2,3-Trichlorobenzene

Concen: 0.777 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051618.D

Acq: 28 Sep 2018 16:02

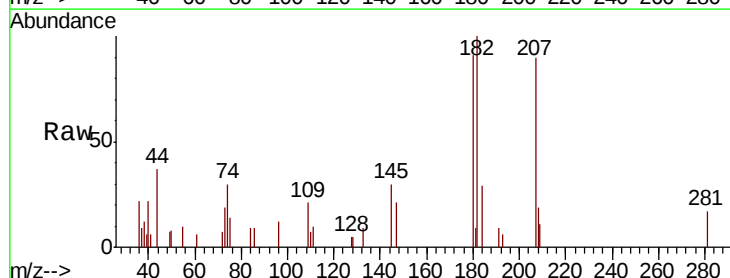
Tgt Ion:180 Resp: 4547

Ion Ratio Lower Upper

180 100

182 103.5 0.0 191.8

145 17.4 0.0 60.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

