

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049318.D
 Acq On : 16 Jun 2018 19:03
 Operator : MD\SY
 Sample : J3564-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:20:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1618255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2517795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2181827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	946253	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1056453	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.59	113	946216	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
50) Toluene-d8	10.09	98	3541125	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
62) 4-Bromofluorobenzene	12.40	95	1101812	42.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.03	85	165323	8.88	ug/l	95
3) Chloromethane	2.02	50	12967	0.54	ug/l #	43
5) Bromomethane	2.57	94	2872	0.21	ug/l	81
6) Chloroethane	2.76	64	3114	0.20	ug/l #	57
11) Tert butyl alcohol	4.75	59	71648	56.87	ug/l #	72
16) Acetone	3.83	43	15602	2.99	ug/l	97
17) Carbon Disulfide	4.05	76	19237	0.33	ug/l	99
18) Methyl Acetate	4.34	43	29428	1.85	ug/l	92
19) Methyl tert-butyl Ether	5.05	73	11703	0.25	ug/l #	18
25) 2-Butanone	6.84	43	26565	3.80	ug/l #	82
26) 2,2-Dichloropropane	6.83	77	35926	1.19	ug/l #	54
31) Cyclohexane	7.66	56	162746	4.97	ug/l #	73
36) 1,1-Dichloropropene	7.66	75	108943	3.78	ug/l #	50
37) Ethyl Acetate	6.84	43	26565	1.69	ug/l #	1
38) Carbon Tetrachloride	7.67	117	141001	4.72	ug/l #	17
39) Methylcyclohexane	9.08	83	236899	7.65	ug/l	98
40) Benzene	8.04	78	62147	0.70	ug/l	100
43) Isopropyl Acetate	8.24	43	346070	11.55	ug/l #	72
48) Methyl methacrylate	9.27	41	4678	0.33	ug/l #	5
49) 1,4-Dioxane	9.20	88	171	0.88	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	26693	1.38	ug/l #	18
56) Ethyl methacrylate	10.44	69	17807	0.80	ug/l #	48
58) 2-Chloroethyl Vinyl ether	9.73	63	31	14.33	ug/l #	51
59) 2-Hexanone	10.72	43	11314	1.12	ug/l #	28
67) Ethyl Benzene	11.51	91	19732	0.21	ug/l	96
69) o-Xylene	11.95	106	11955	0.35	ug/l	94
73) Isopropylbenzene	12.25	105	1063077	12.80	ug/l	98
74) N-amyl acetate	12.05	43	4462	0.22	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.47	83	4024	Below	Cal #	28
76) 1,2,3-Trichloropropane	12.40	75	537394	33.28	ug/l #	100
78) n-propylbenzene	12.59	91	1832375	20.09	ug/l	99
79) 2-Chlorotoluene	12.59	91	1832375	31.70	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.40	75	537394	105.20	ug/l #	9
82) 4-Chlorotoluene	12.59	91	1832375	32.86	ug/l #	42

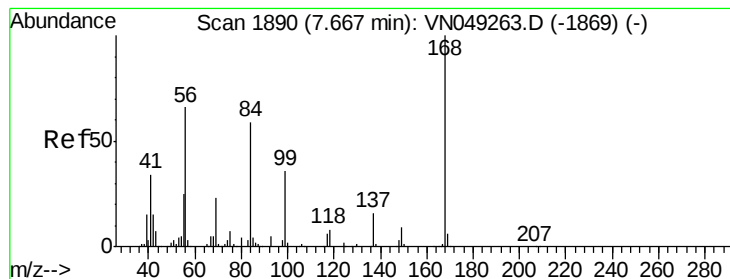
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049318.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.99	119	76654	1.32	ug/l	91
84) 1,2,4-Trimethylbenzene	13.17	105	627883	9.68	ug/l #	32
85) sec-Butylbenzene	13.17	105	627883	8.15	ug/l	79
86) p-Isopropyltoluene	13.44	119	307436	4.78	ug/l	98
89) n-Butylbenzene	13.62	91	381318	7.59	ug/l #	83
90) Hexachloroethane	13.89	117	303236	24.02	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.30	75	2604	0.90	ug/l #	18
93) 1,2,4-Trichlorobenzene	14.91	180	2509	4.88	ug/l #	1
94) Hexachlorobutadiene	15.02	225	619	Below	Cal #	62
95) Naphthalene	15.14	128	15545	2.67	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	1061	3.52	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

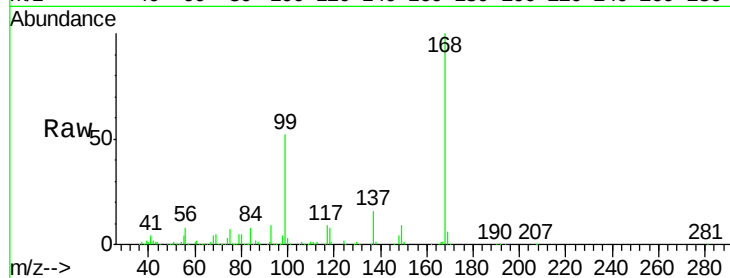
ClientSampleId :

Tot Ion:168 Resp: 1618255

Ion Ratio Lower Upper

168 100

99 51.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

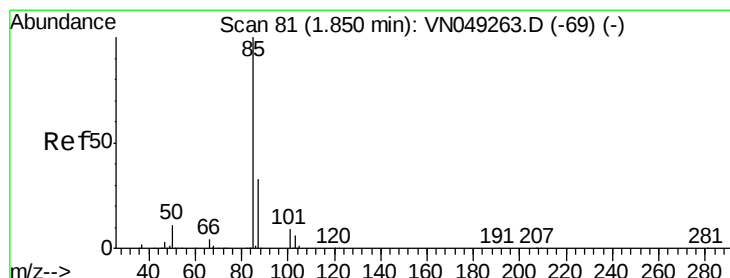
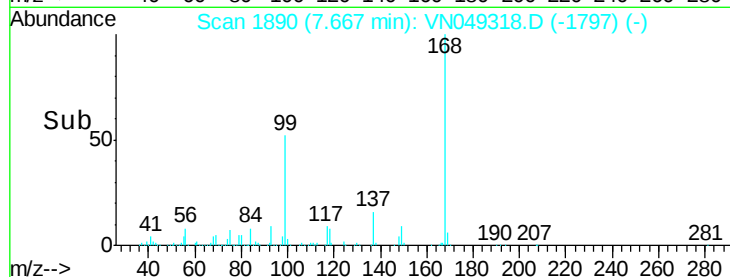
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 8.88 ug/l

RT: 2.03 min Scan# 136

Delta R.T. 0.18 min

Lab File: VN049318.D

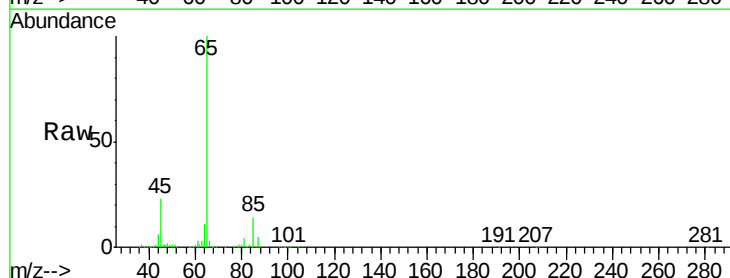
Acq: 16 Jun 2018 19:03

Tgt Ion: 85 Resp: 165323

Ion Ratio Lower Upper

85 100

87 34.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

2.03

120000

100000

80000

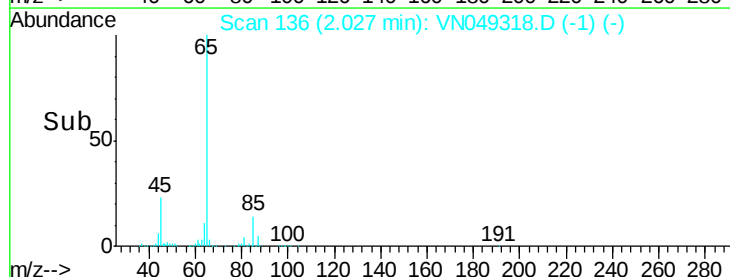
60000

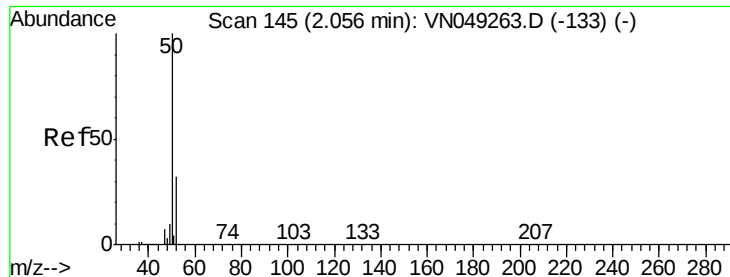
40000

20000

0

Time-->





#3

Chloromethane

Concen: 0.54 ug/l

RT: 2.02 min Scan# 135

Delta R.T. -0.03 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

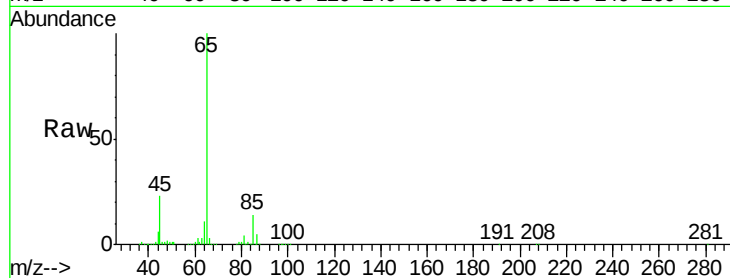
ClientSampled :

Tot Ion: 50 Resp: 12967

Ion Ratio Lower Upper

50 100

52 0.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VN049318.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN049318.D (-133) (-)

2.02

12000

10000

8000

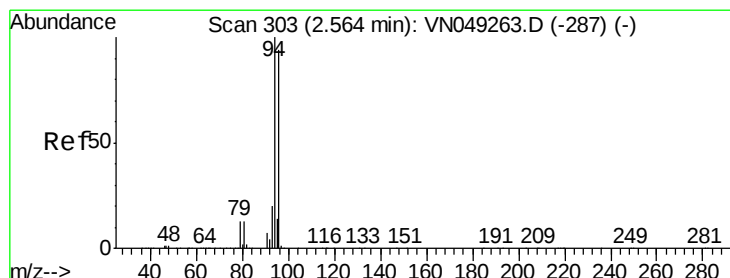
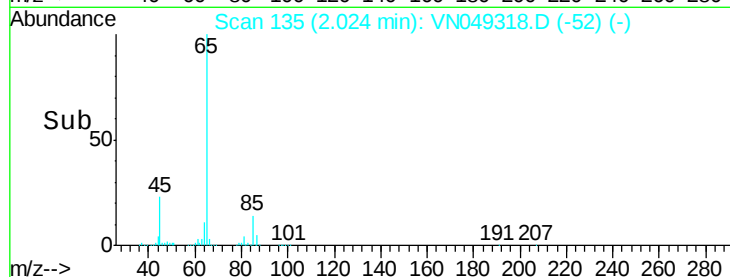
6000

4000

2000

0

Time-->



#5

Bromomethane

Concen: 0.21 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049318.D

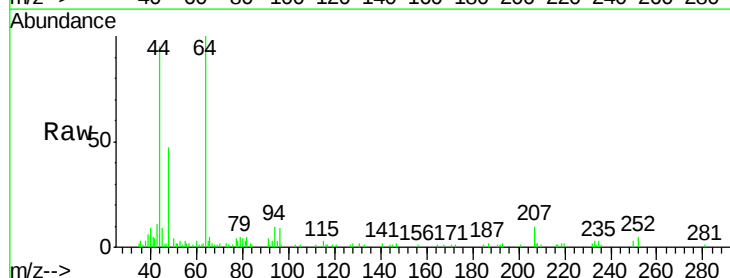
Acq: 16 Jun 2018 19:03

Tgt Ion: 94 Resp: 2872

Ion Ratio Lower Upper

94 100

96 73.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049318.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN049318.D (-287) (-)

2.57

2000

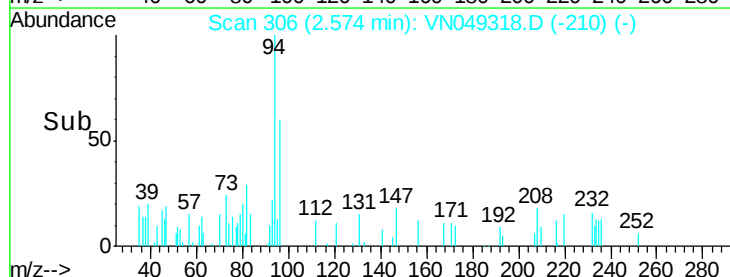
1500

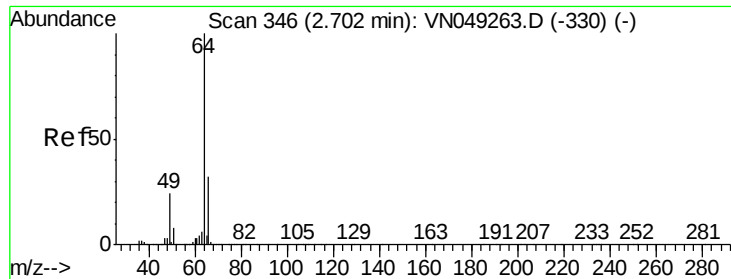
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.20 ug/l

RT: 2.76 min Scan# 363

Delta R.T. 0.05 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

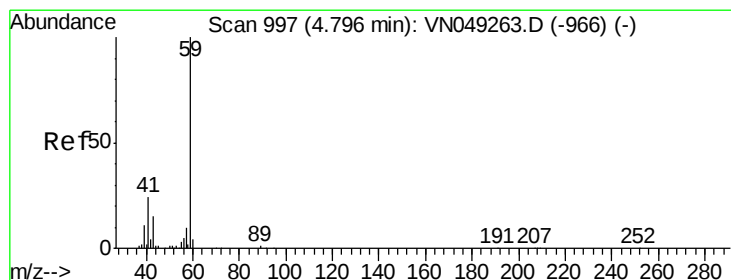
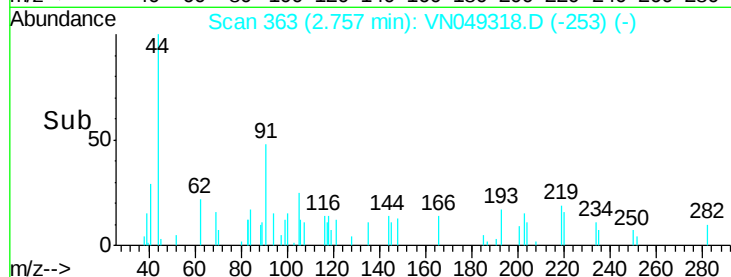
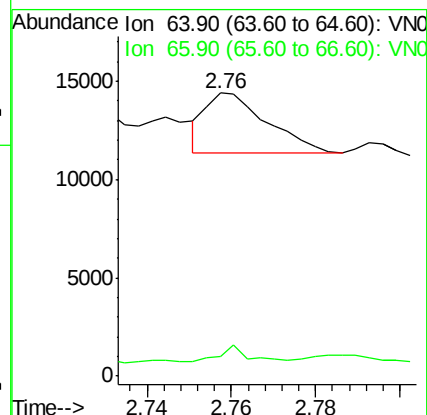
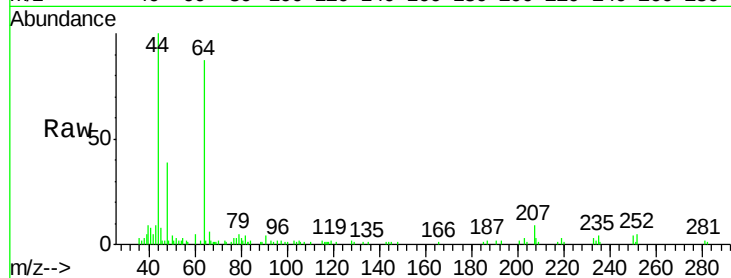
ClientSampleId :

Tot Ion: 64 Resp: 3114

Ion Ratio Lower Upper

64 100

66 7.9 25.6 38.4#



#11

Tert butyl alcohol

Concen: 56.87 ug/l

RT: 4.75 min Scan# 983

Delta R.T. -0.04 min

Lab File: VN049318.D

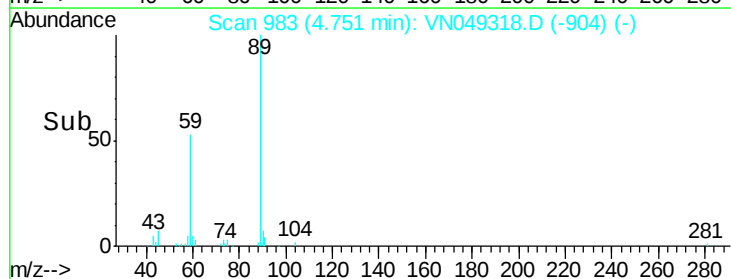
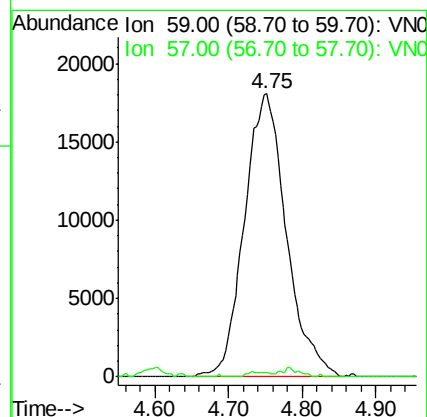
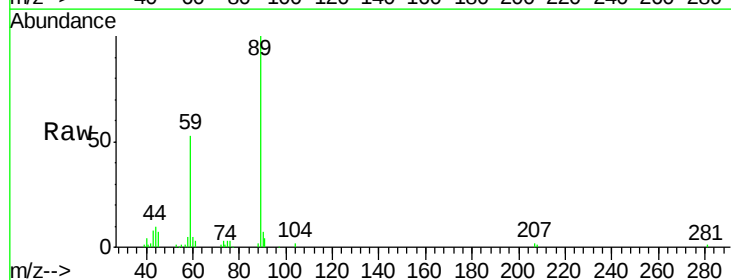
Acq: 16 Jun 2018 19:03

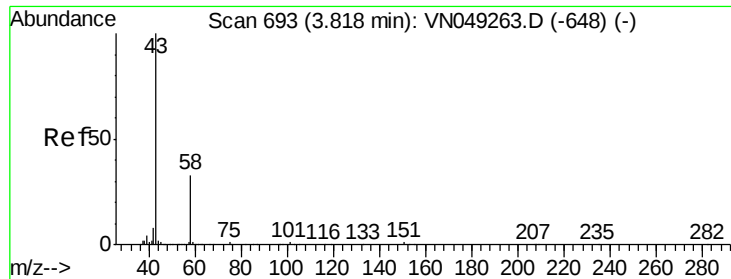
Tgt Ion: 59 Resp: 71648

Ion Ratio Lower Upper

59 100

57 0.5 9.0 13.6#





#16

Acetone

Concen: 2.99 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

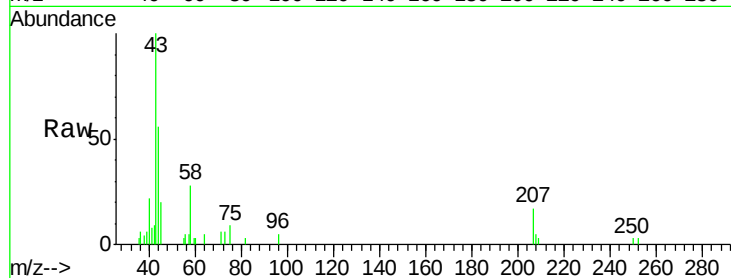
ClientSampled :

Tot Ion: 43 Resp: 15602

Ion Ratio Lower Upper

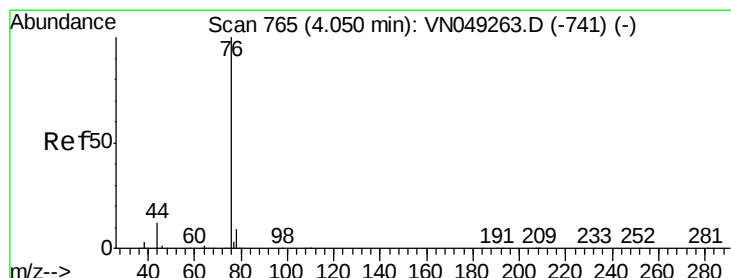
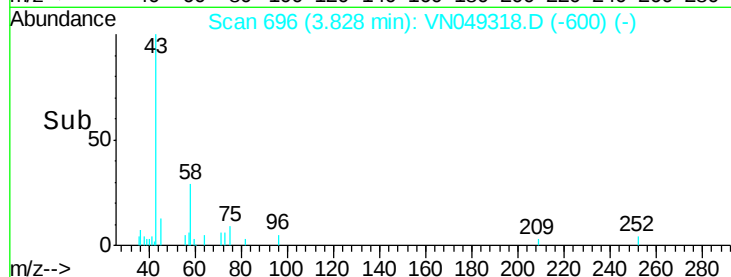
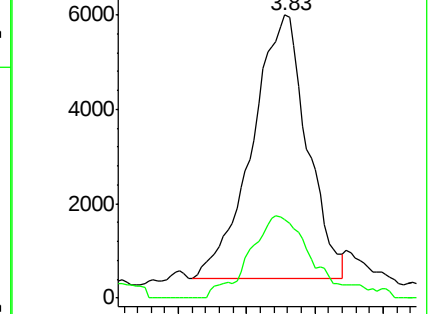
43 100

58 29.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049318.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049318.D (-600) (-)



#17

Carbon Disulfide

Concen: 0.33 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049318.D

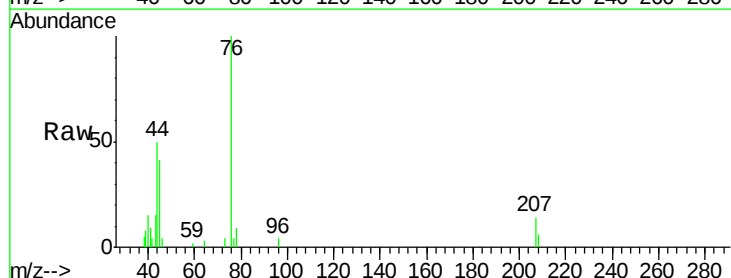
Acq: 16 Jun 2018 19:03

Tgt Ion: 76 Resp: 19237

Ion Ratio Lower Upper

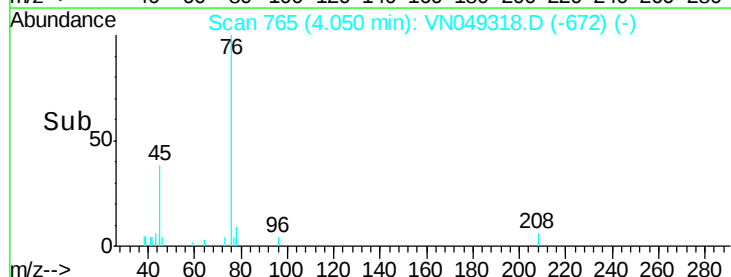
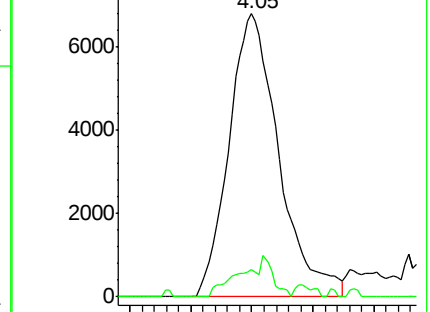
76 100

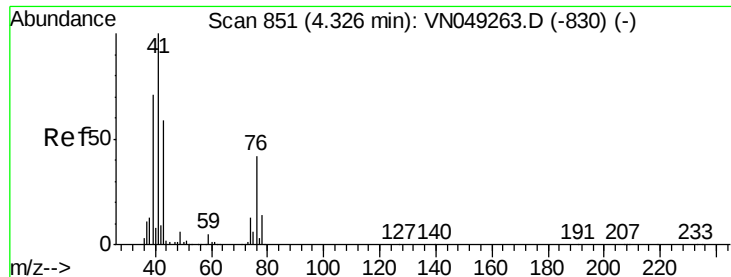
78 9.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN049318.D (-672) (-)

Ion 77.90 (77.60 to 78.60): VN049318.D (-672) (-)

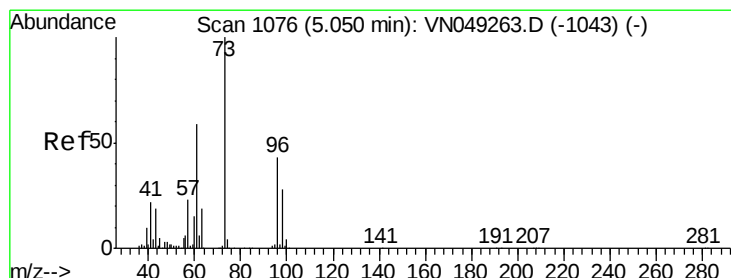
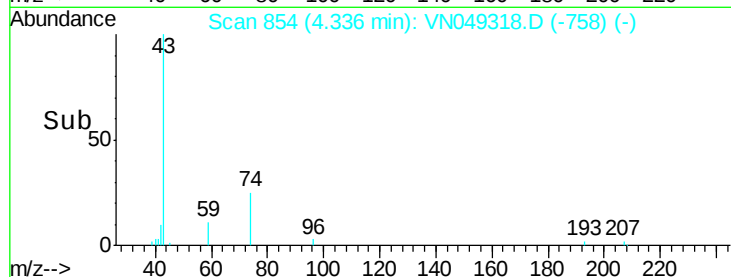
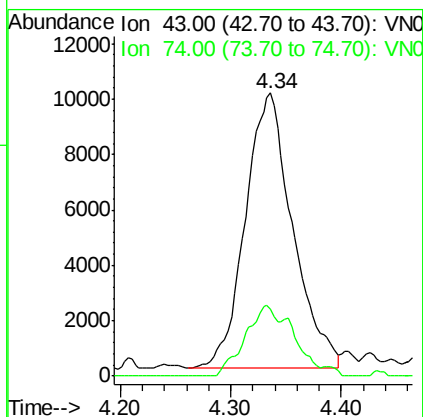
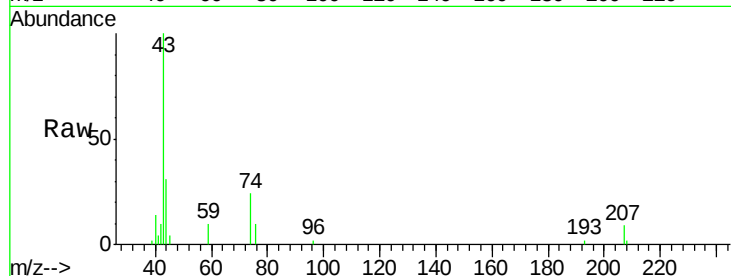




#18
Methyl Acetate
Concen: 1.85 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

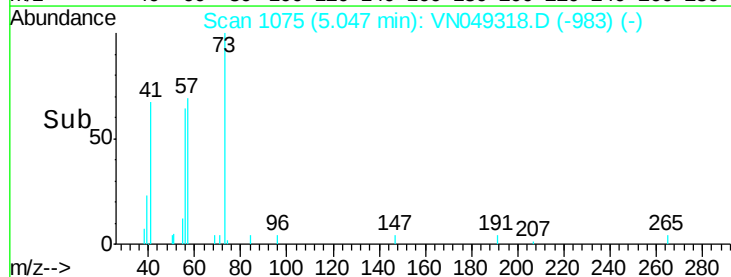
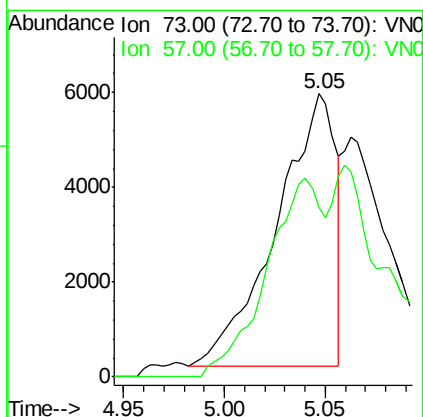
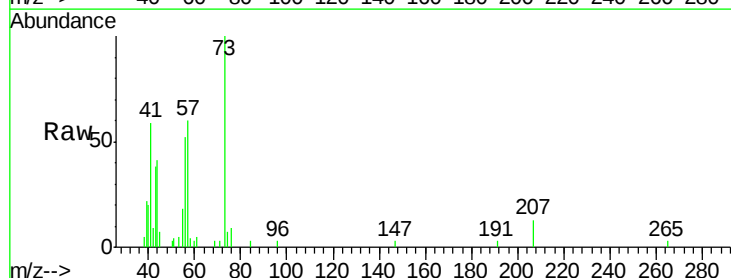
Instrument :
MSVOA_N
ClientSampled :

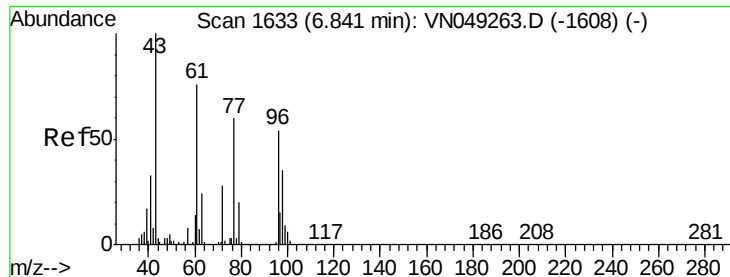
Tot Ion: 43 Resp: 29428
Ion Ratio Lower Upper
43 100
74 18.1 17.4 26.0



#19
Methyl tert-butyl Ether
Concen: 0.25 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Tgt Ion: 73 Resp: 11703
Ion Ratio Lower Upper
73 100
57 62.4 18.2 27.4#





#25

2-Butanone

Concen: 3.80 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

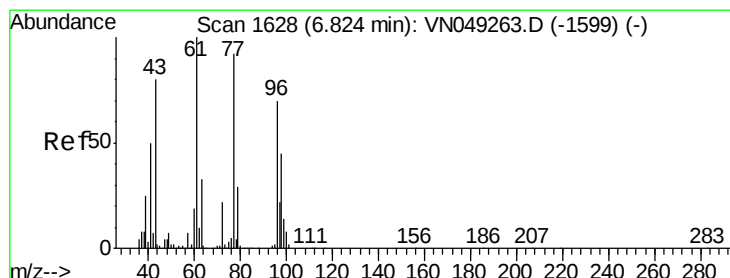
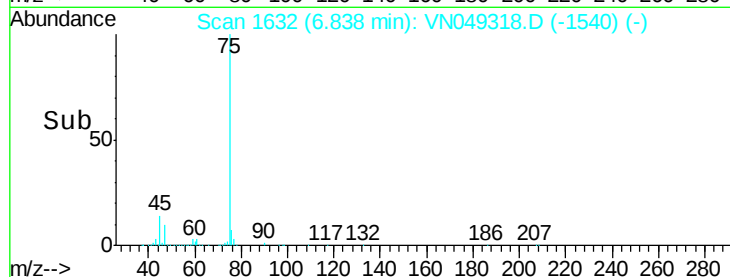
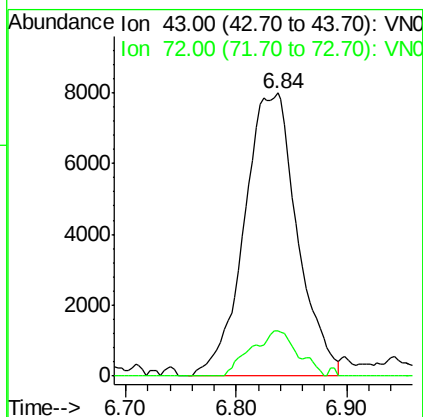
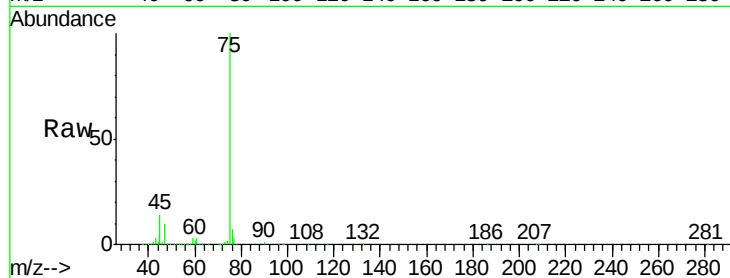
ClientSampleId :

Tot Ion: 43 Resp: 26565

Ion Ratio Lower Upper

43 100

72 15.9 20.2 30.2#



#26

2,2-Dichloropropane

Concen: 1.19 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049318.D

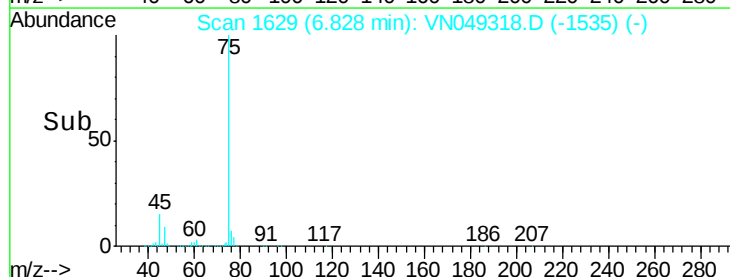
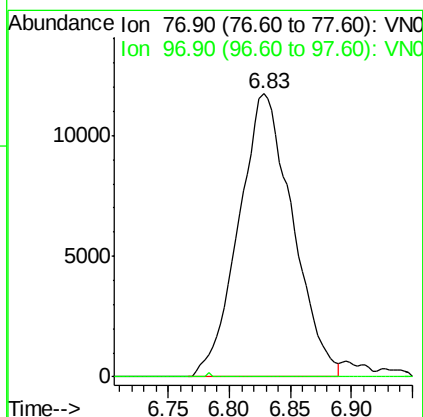
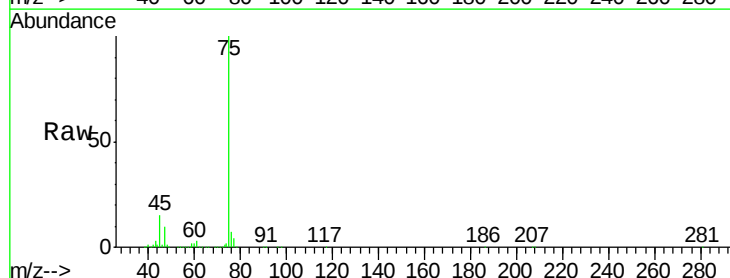
Acq: 16 Jun 2018 19:03

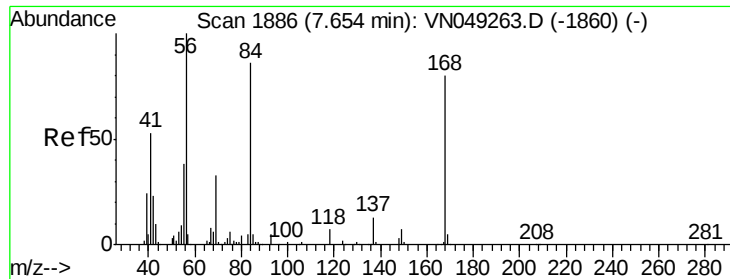
Tgt Ion: 77 Resp: 35926

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#

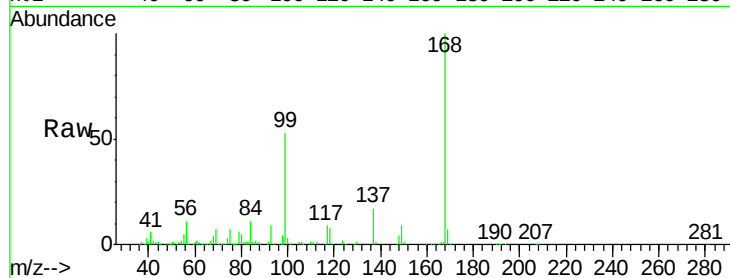




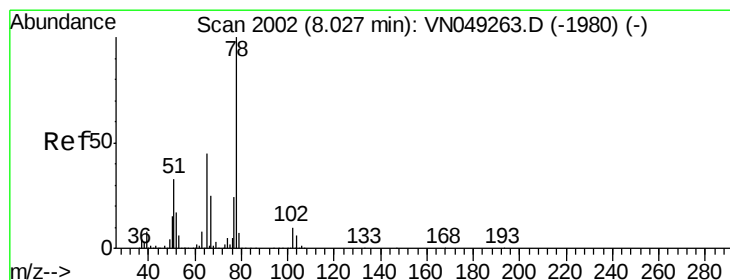
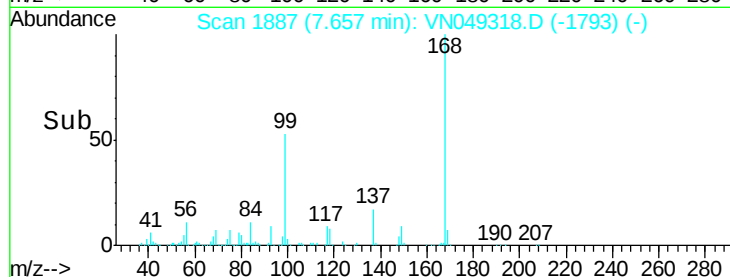
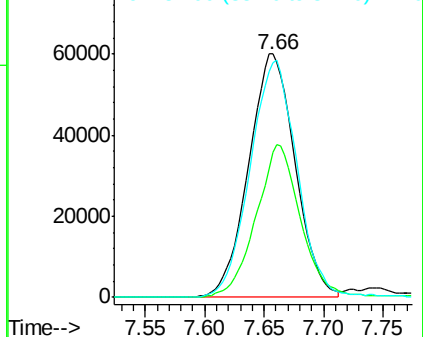
#31
Cyclohexane
Concen: 4.97 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 162746
Ion Ratio Lower Upper
56 100
69 59.8 25.0 37.4#
84 96.5 64.6 96.8

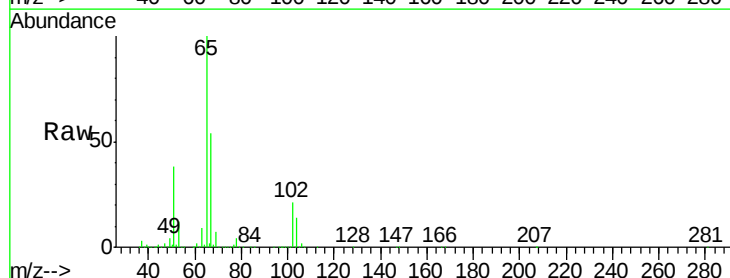


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

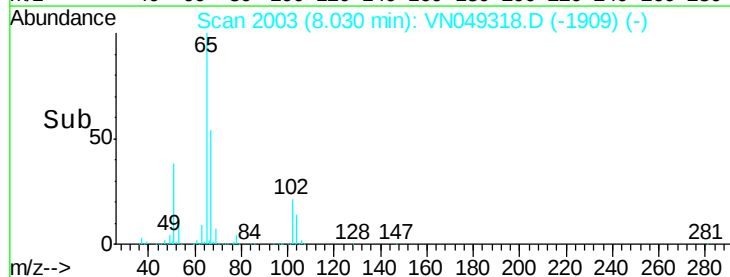
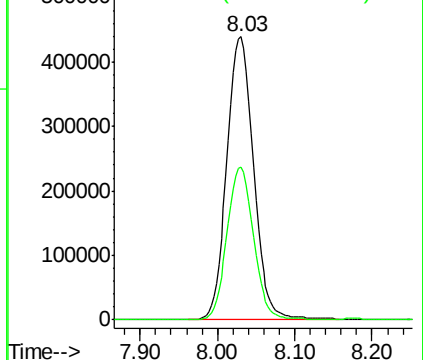


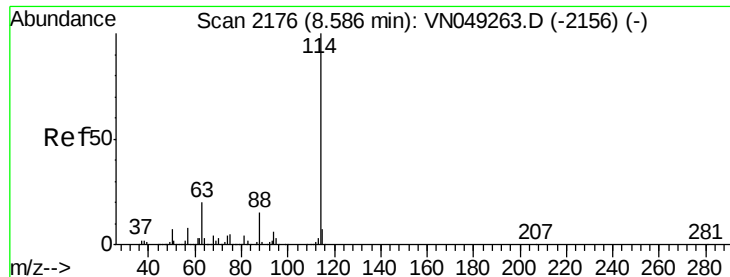
#33
1,2-Dichloroethane-d4
Concen: 49.22 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Tgt Ion: 65 Resp: 1056453
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampled :

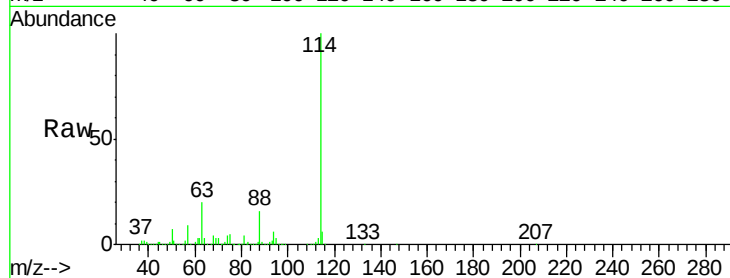
Tot Ion:114 Resp: 2517795

Ion Ratio Lower Upper

114 100

63 20.0 0.0 44.4

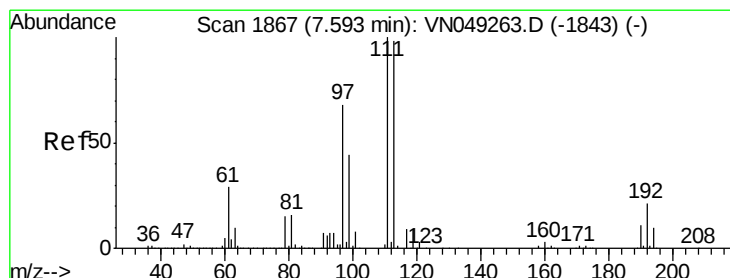
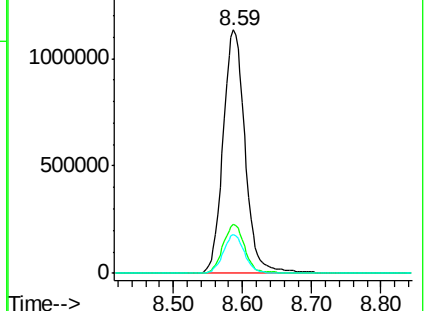
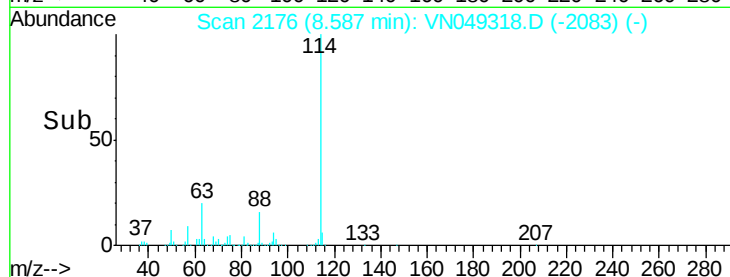
88 15.9 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.45 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

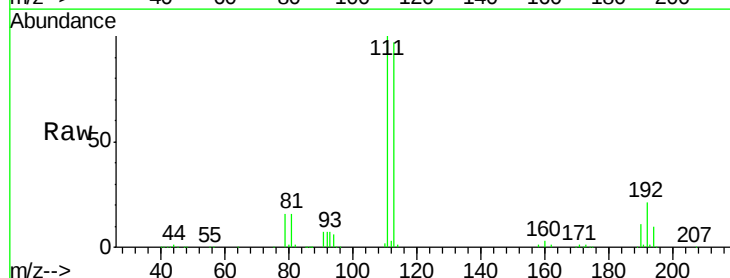
Tgt Ion:113 Resp: 946216

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

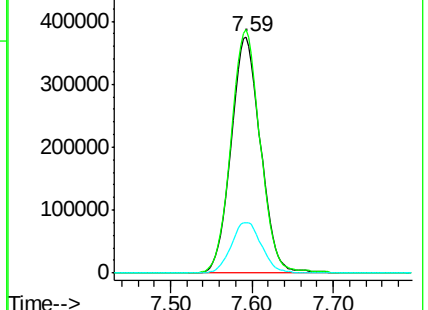
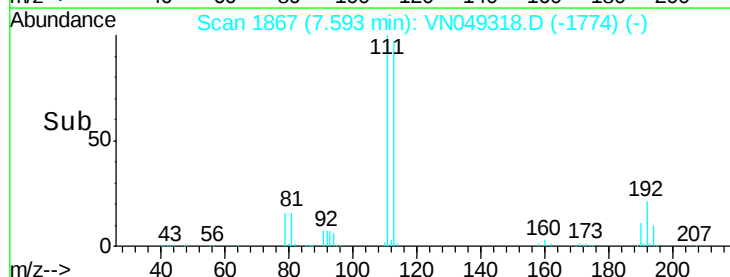
192 22.0 15.0 22.6

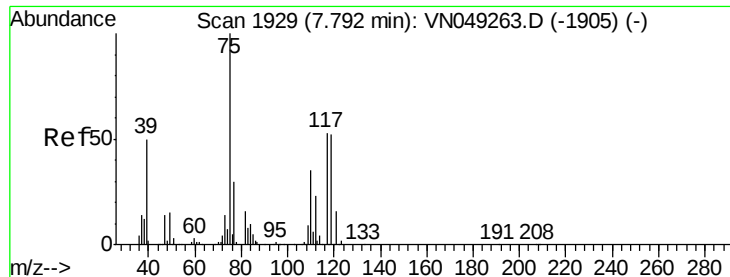


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.78 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

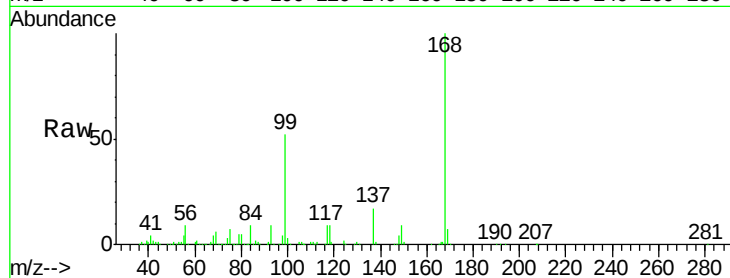
Tot Ion: 75 Resp: 108943

Ion Ratio Lower Upper

75 100

110 8.3 17.0 50.9#

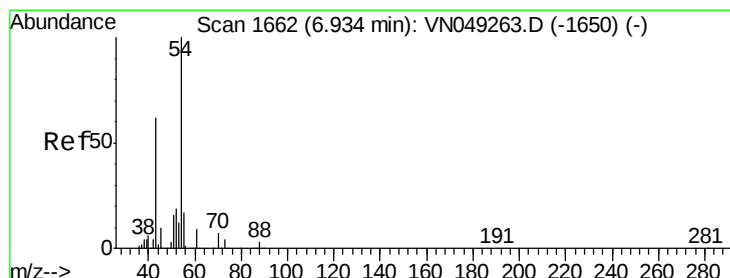
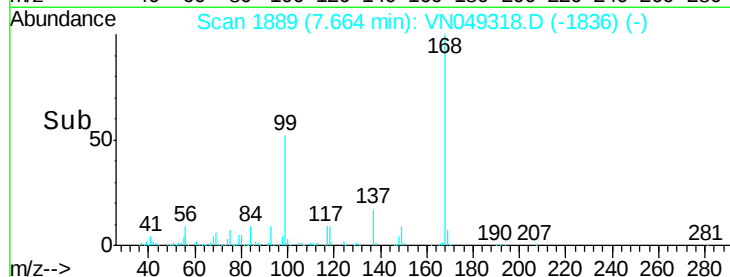
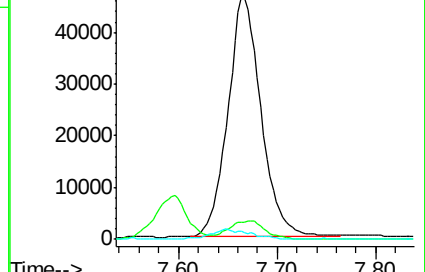
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN049318.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049318.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049318.D (-1836) (-)



#37

Ethyl Acetate

Concen: 1.69 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.10 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

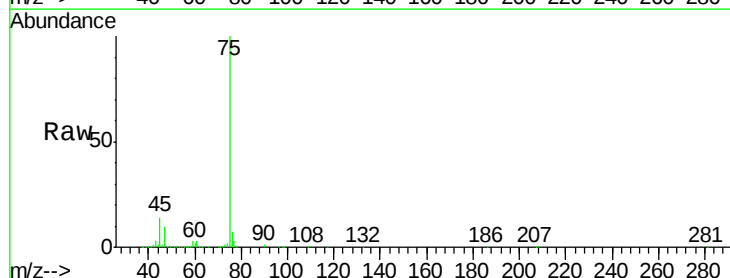
Tgt Ion: 43 Resp: 26565

Ion Ratio Lower Upper

43 100

61 97.8 11.0 16.4#

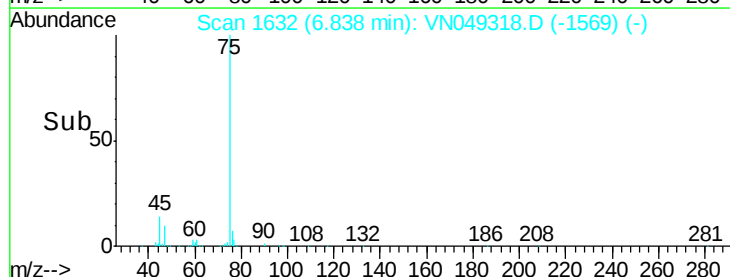
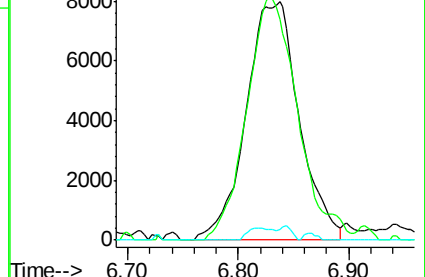
70 1.3 7.2 10.8#

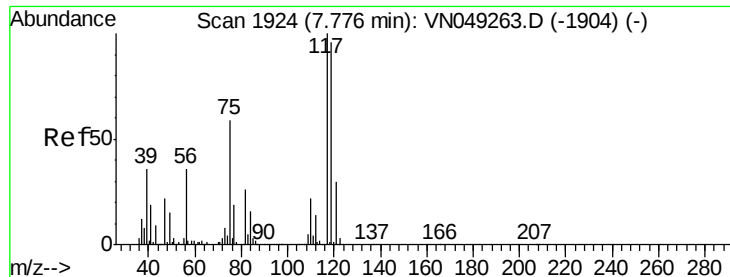


Abundance Ion 43.00 (42.70 to 43.70): VN049318.D (-1569) (-)

Ion 60.90 (60.60 to 61.60): VN049318.D (-1569) (-)

Ion 70.00 (69.70 to 70.70): VN049318.D (-1569) (-)





#38

Carbon Tetrachloride

Concen: 4.72 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

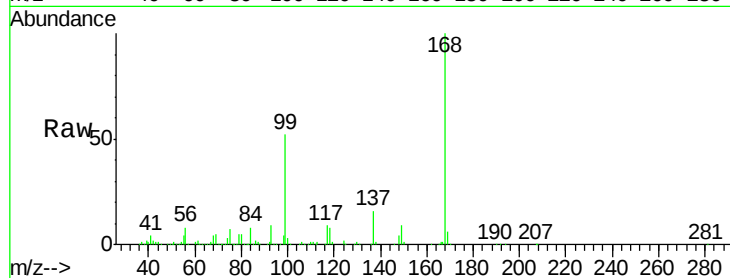
Tot Ion:117 Resp: 141001

Ion Ratio Lower Upper

117 100

119 6.0 75.6 113.4#

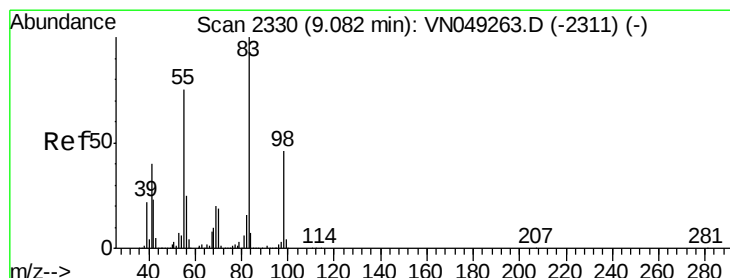
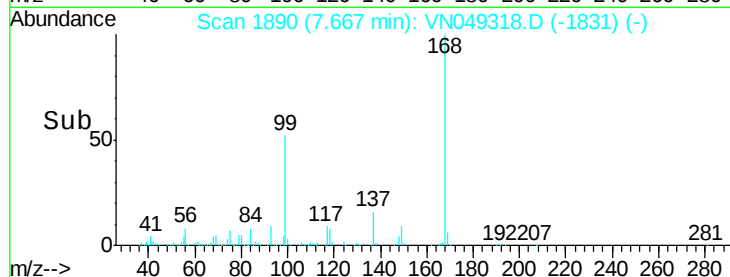
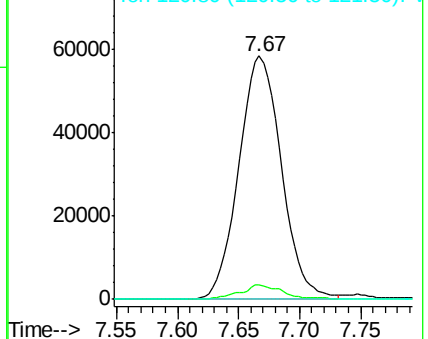
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 7.65 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

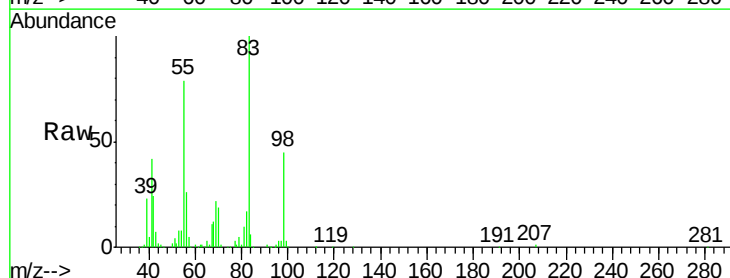
Tgt Ion: 83 Resp: 236899

Ion Ratio Lower Upper

83 100

55 79.0 65.1 97.7

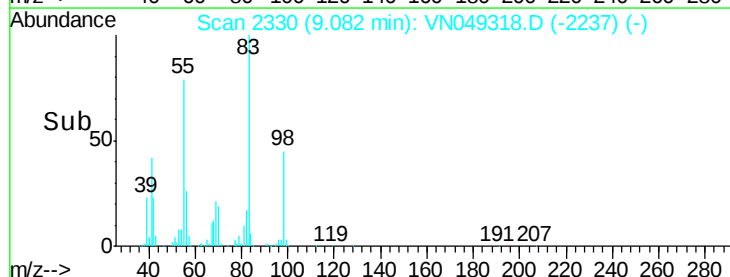
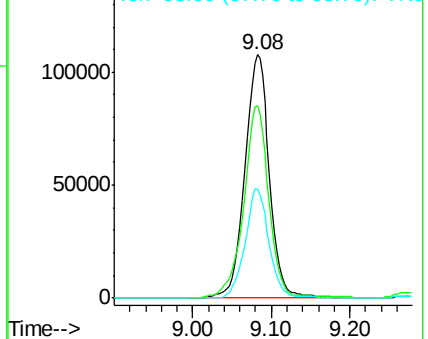
98 44.8 36.5 54.7

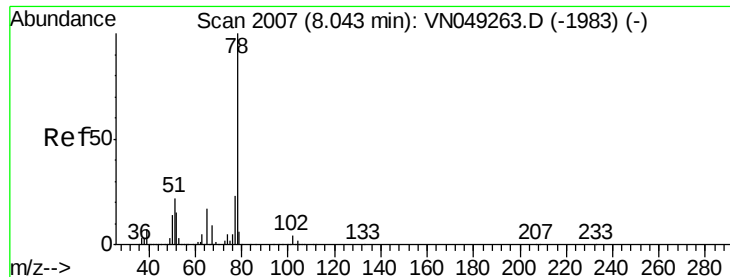


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#40

Benzene

Concen: 0.70 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

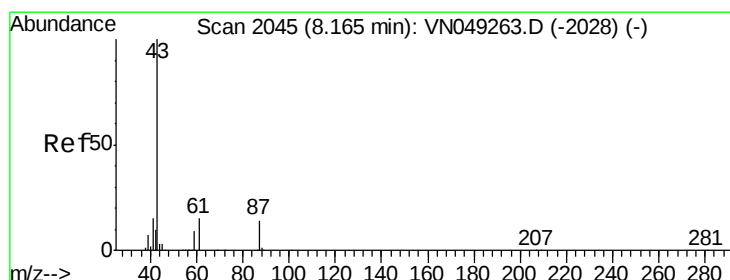
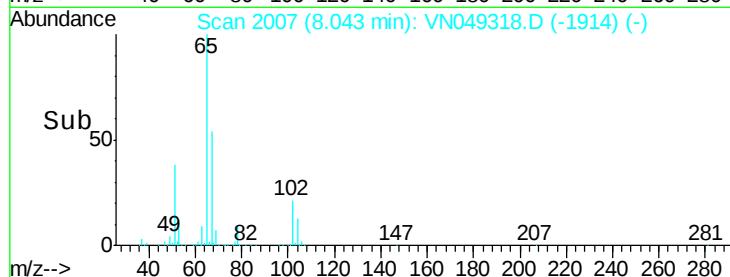
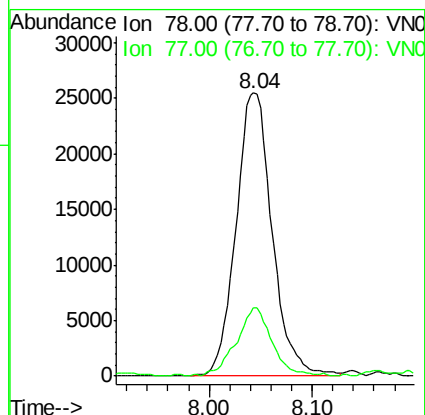
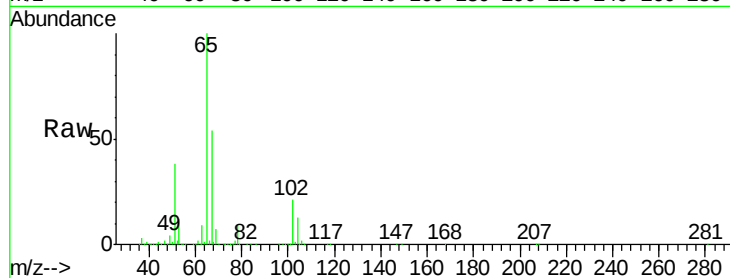
ClientSampled :

Tot Ion: 78 Resp: 62147

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0



#43

Isopropyl Acetate

Concen: 11.55 ug/l

RT: 8.24 min Scan# 2068

Delta R.T. 0.07 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

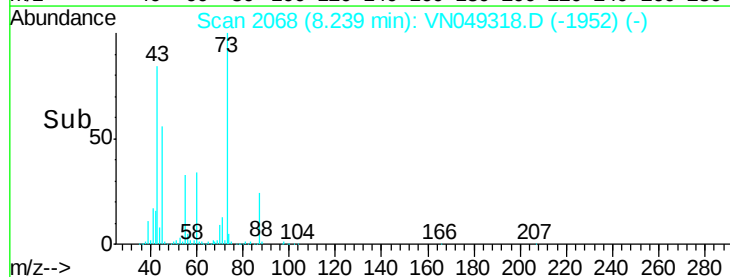
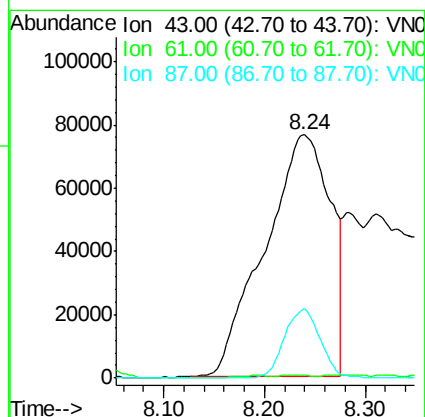
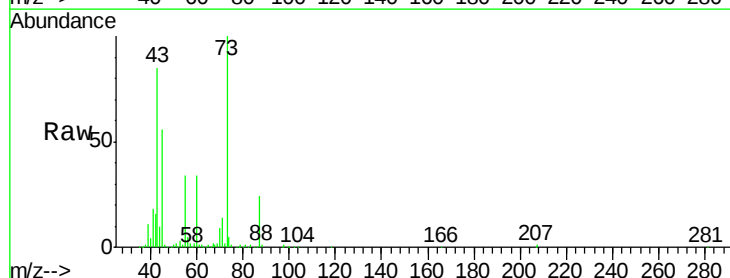
Tgt Ion: 43 Resp: 346070

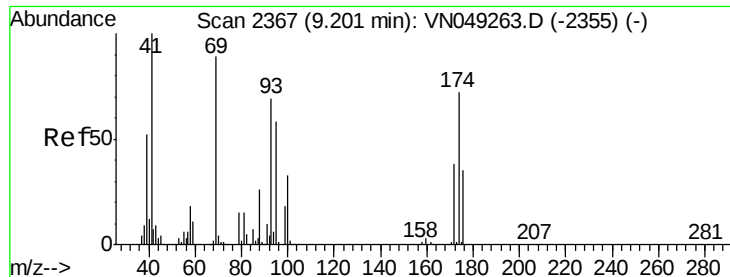
Ion Ratio Lower Upper

43 100

61 0.3 14.2 21.4#

87 15.6 9.4 14.0#

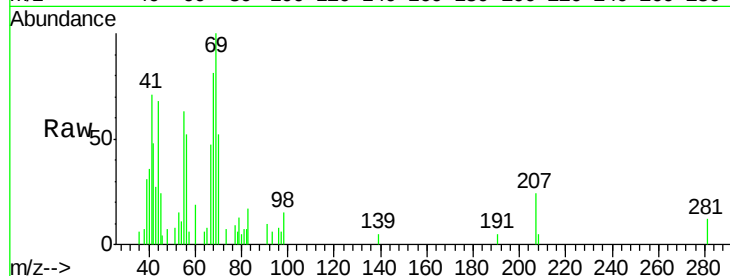




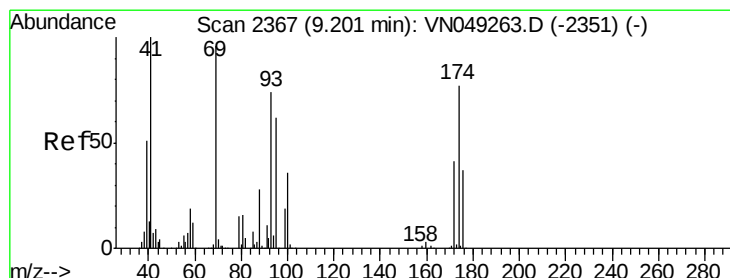
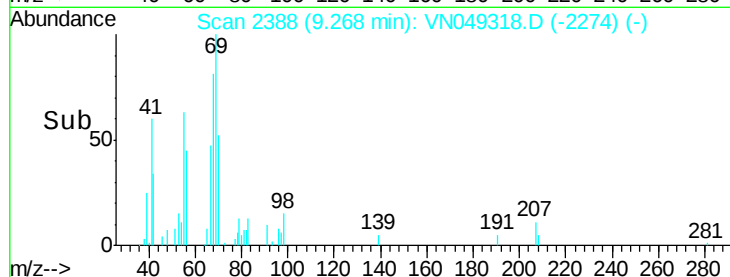
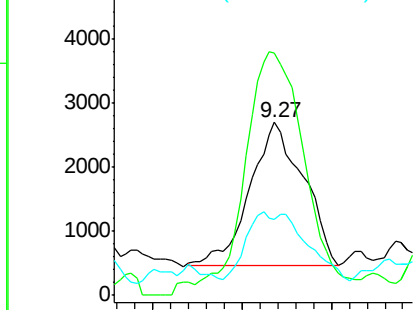
#48
Methvl methacrylate
Concen: 0.33 ug/l
RT: 9.27 min Scan# 2388
Delta R.T. 0.07 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 4678
Ion Ratio Lower Upper
41 100
69 169.3 62.0 93.0#
39 0.0 50.6 75.8#

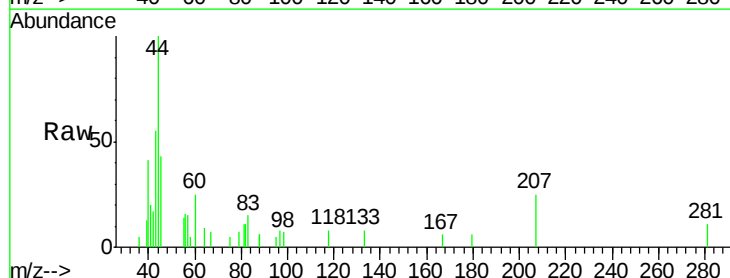


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

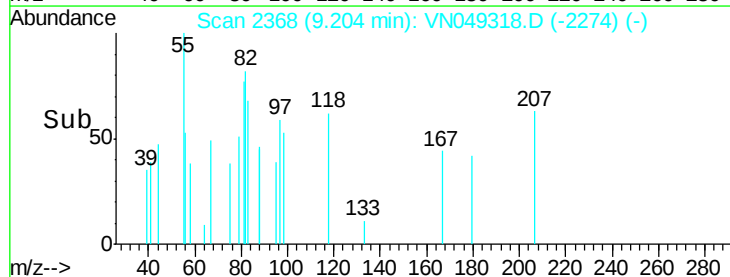
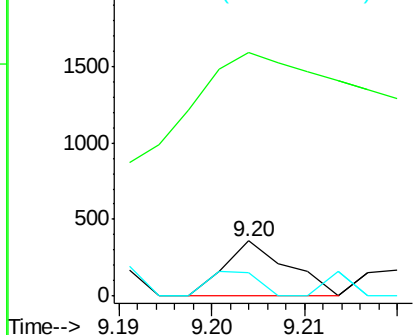


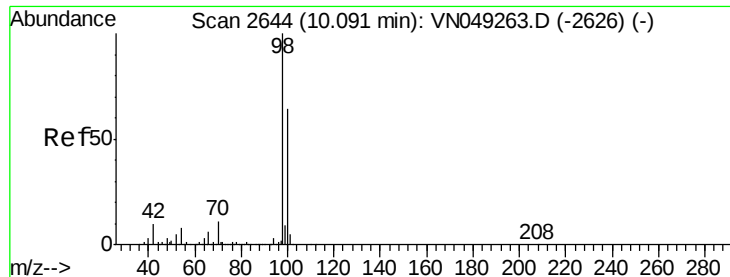
#49
1,4-Dioxane
Concen: 0.88 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Tgt Ion: 88 Resp: 171
Ion Ratio Lower Upper
88 100
43 505.3 30.9 46.3#
58 35.7 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 45.66 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

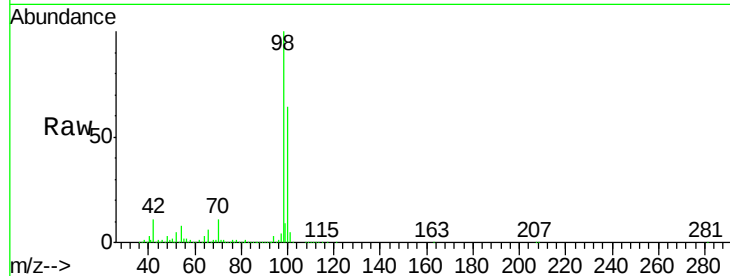
ClientSampleId :

Tot Ion: 98 Resp: 3541125

Ion Ratio Lower Upper

98 100

100 63.6 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

2000000

1500000

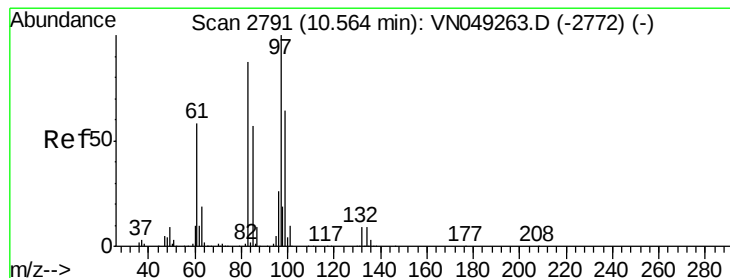
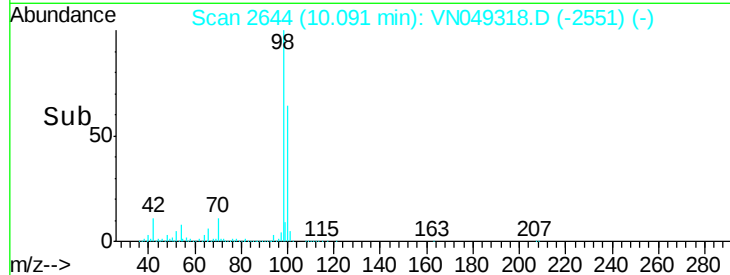
1000000

500000

0

Time-->

10.00 10.20



#55

1,1,2-Trichloroethane

Concen: 1.38 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Tgt Ion: 97 Resp: 26693

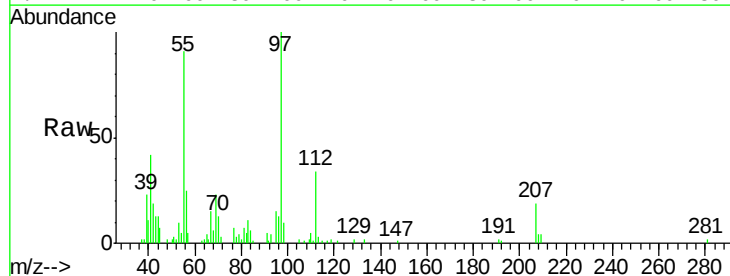
Ion Ratio Lower Upper

97 100

83 9.0 71.5 107.3#

85 1.3 47.0 70.4#

99 0.0 51.4 77.2#



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

30000

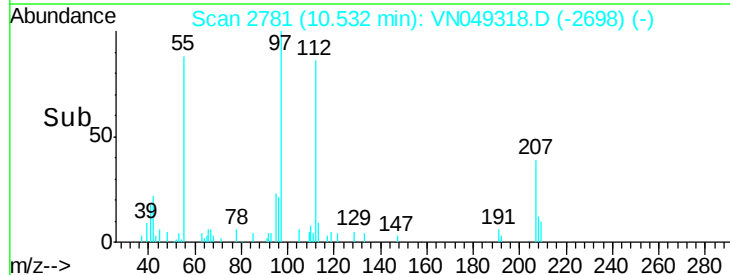
20000

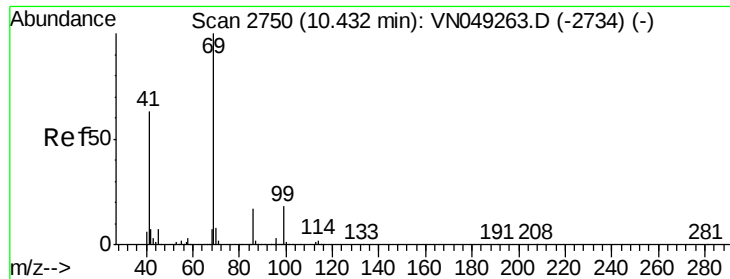
10000

0

Time-->

10.45 10.50 10.55 10.60





#56

Ethyl methacrylate

Concen: 0.80 ug/l

RT: 10.44 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampled :

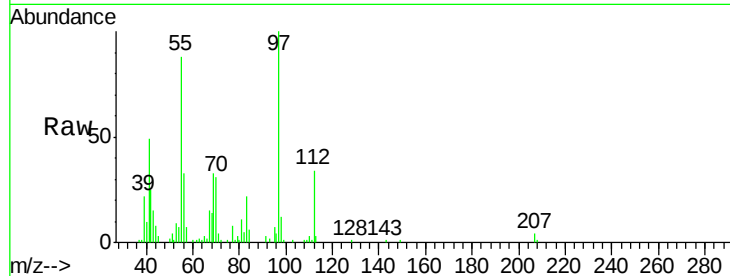
Tot Ion: 69 Resp: 17807

Ion Ratio Lower Upper

69 100

41 130.7 58.4 87.6#

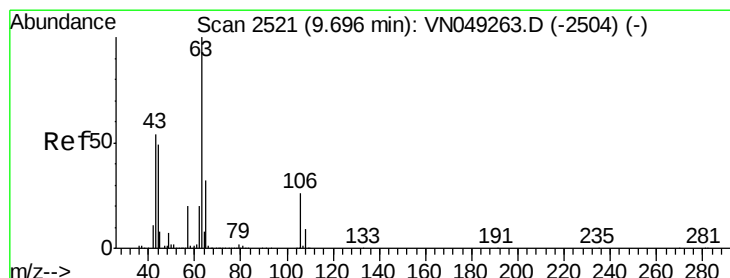
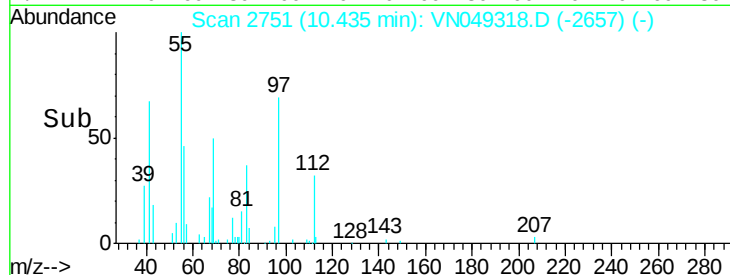
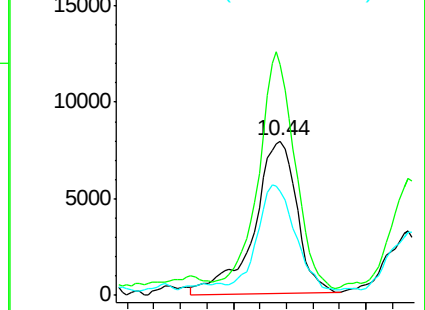
39 59.7 35.5 53.3#



Abundance Ion 69.00 (68.70 to 69.70): VN049318.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049318.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049318.D (-2657) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 14.33 ug/l

RT: 9.73 min Scan# 2533

Delta R.T. 0.04 min

Lab File: VN049318.D

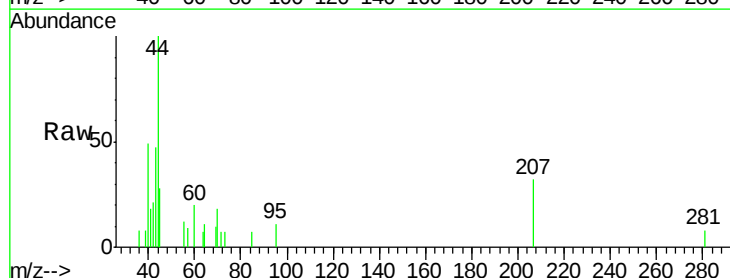
Acq: 16 Jun 2018 19:03

Tgt Ion: 63 Resp: 31

Ion Ratio Lower Upper

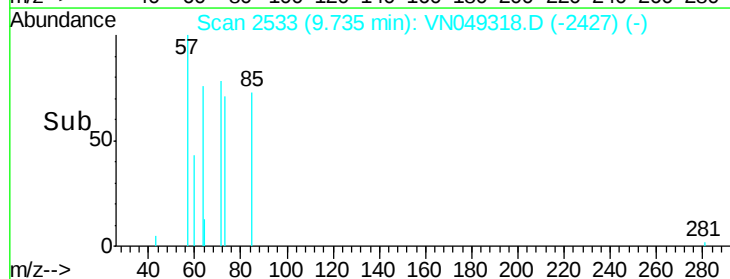
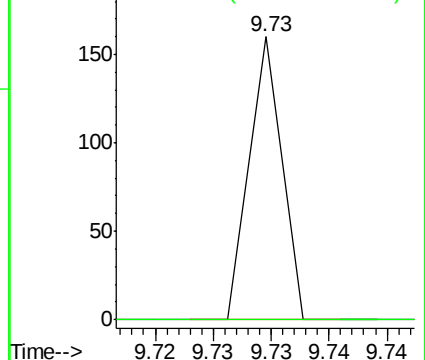
63 100

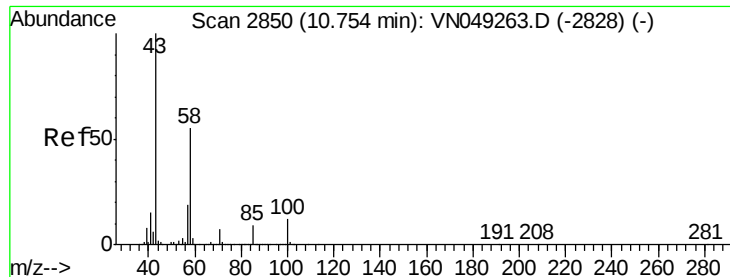
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049318.D (-2427) (-)

Ion 105.90 (105.60 to 106.60): VN049318.D (-2427) (-)





#59

2-Hexanone

Concen: 1.12 ug/l

RT: 10.72 min Scan# 2839

Delta R.T. -0.04 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

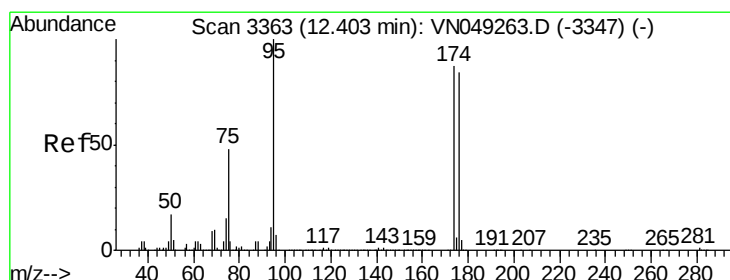
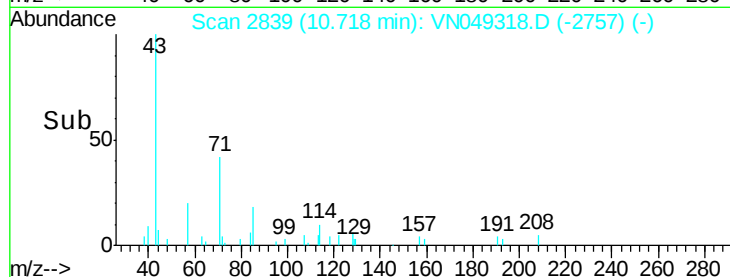
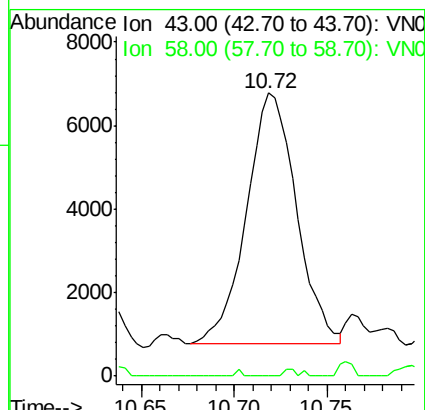
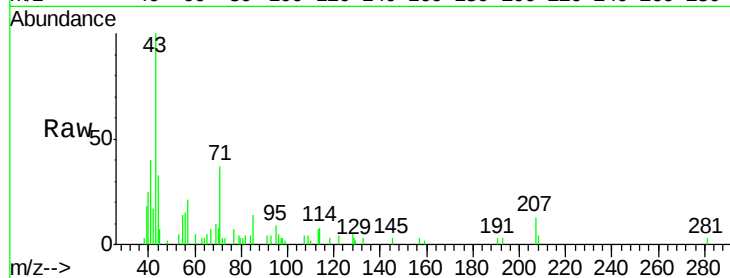
ClientSampleId :

Tot Ion: 43 Resp: 11314

Ion Ratio Lower Upper

43 100

58 0.8 25.2 75.6#



#62

4-Bromofluorobenzene

Concen: 42.96 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

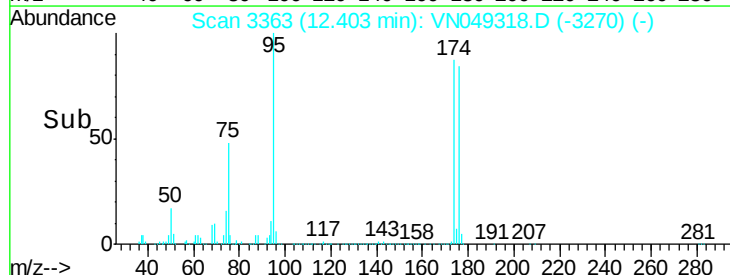
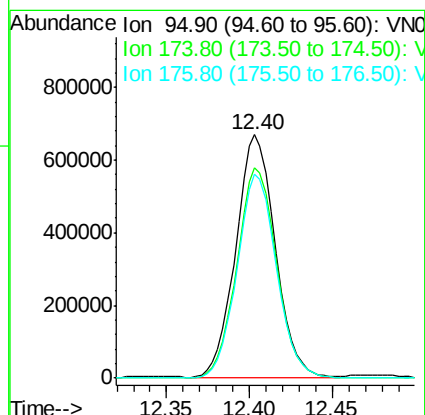
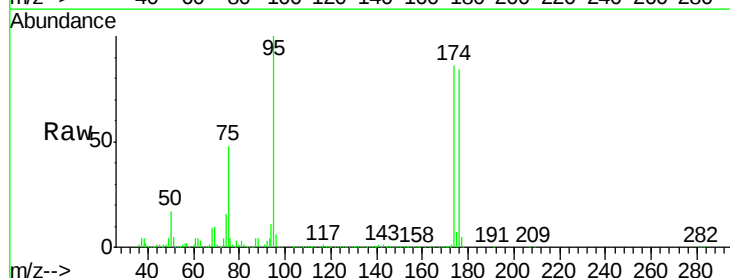
Tgt Ion: 95 Resp: 1101812

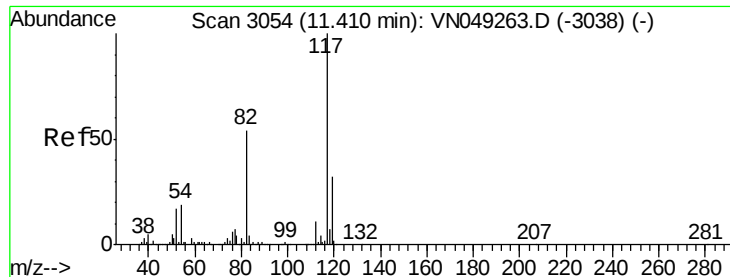
Ion Ratio Lower Upper

95 100

174 88.0 0.0 165.6

176 84.5 0.0 157.4

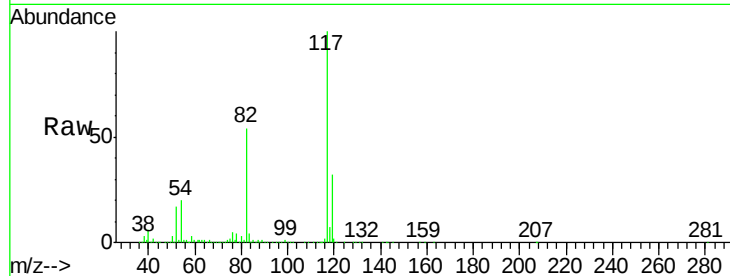




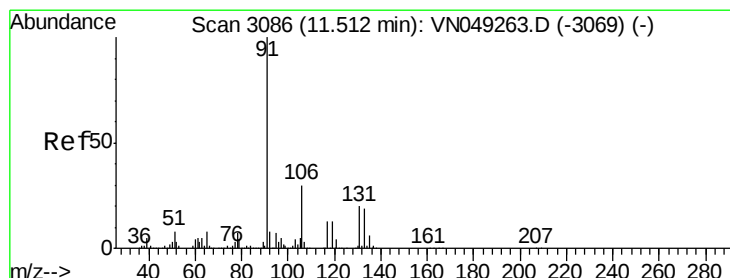
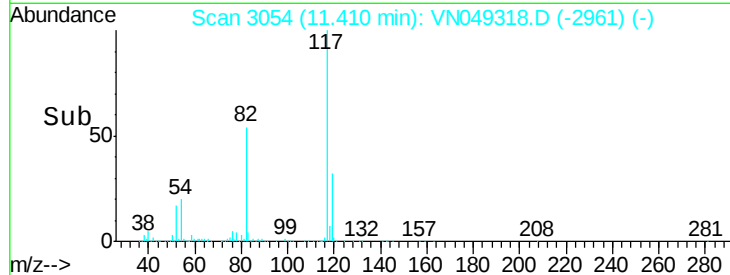
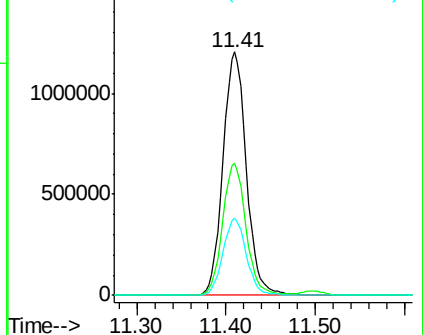
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 2181827
Ion Ratio Lower Upper
117 100
82 54.1 45.9 68.9
119 31.7 25.5 38.3

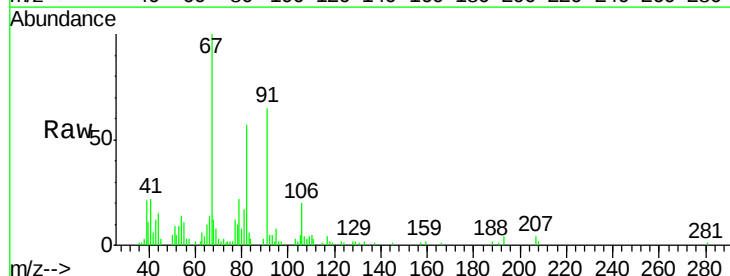


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

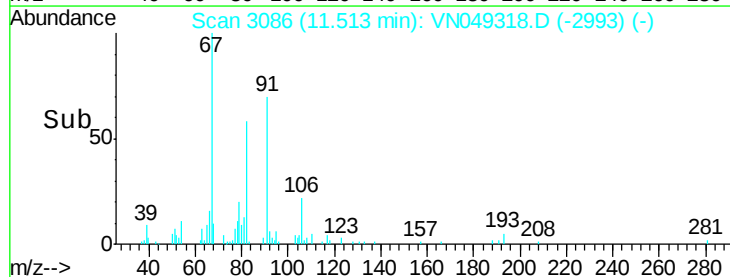
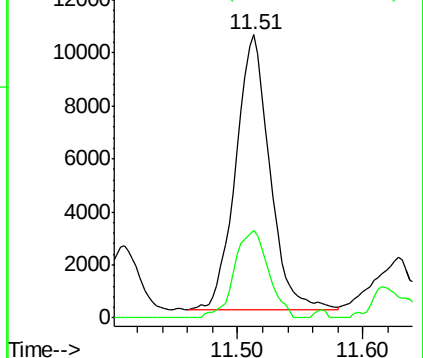


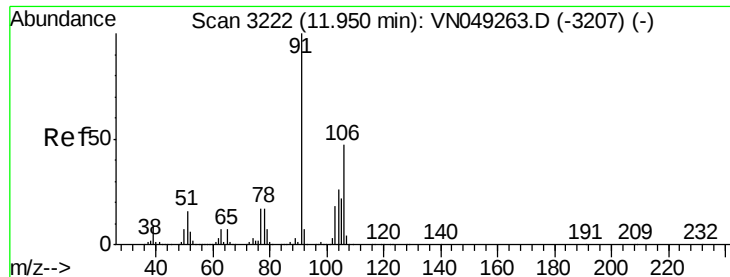
#67
Ethyl Benzene
Concen: 0.21 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Tgt Ion: 91 Resp: 19732
Ion Ratio Lower Upper
91 100
106 31.8 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

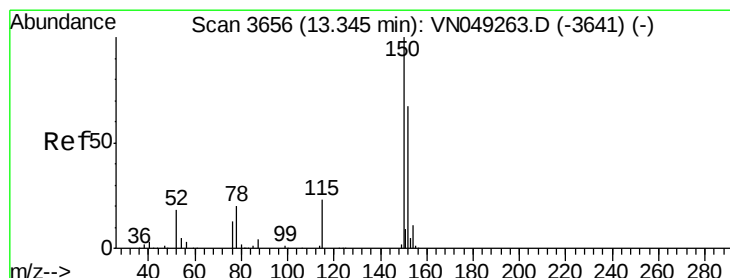
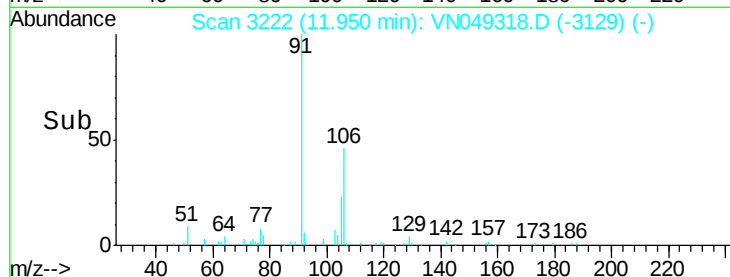
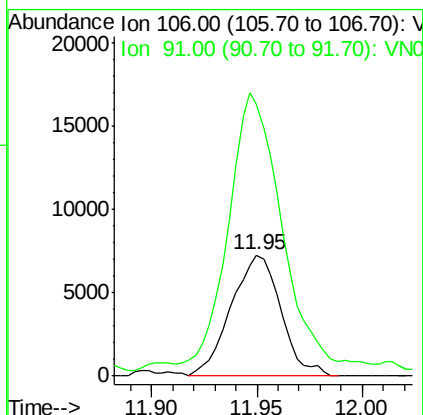
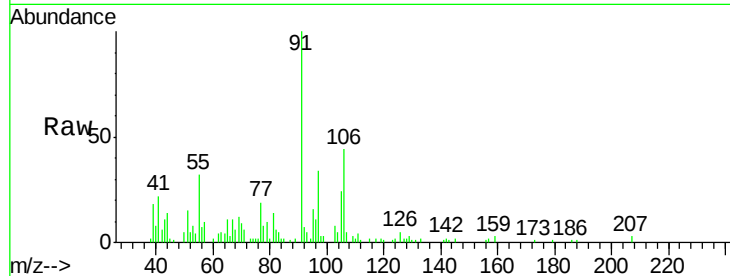




#69
o-Xylene
Concen: 0.35 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

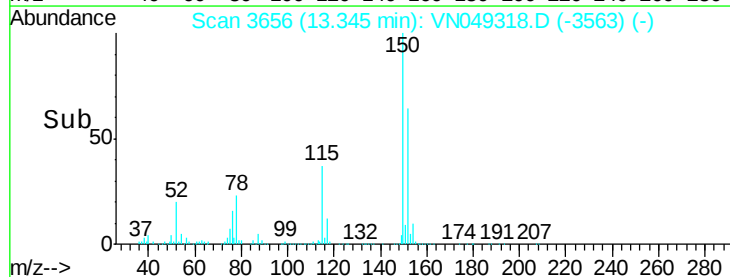
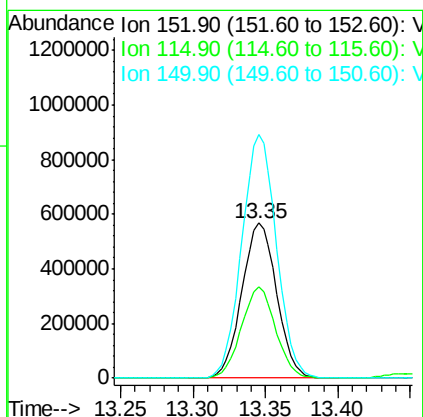
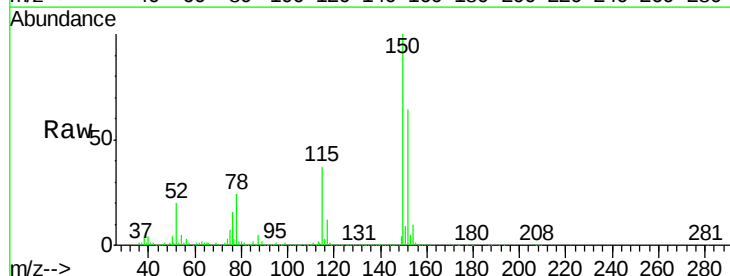
Instrument :
MSVOA_N
ClientSampleId :

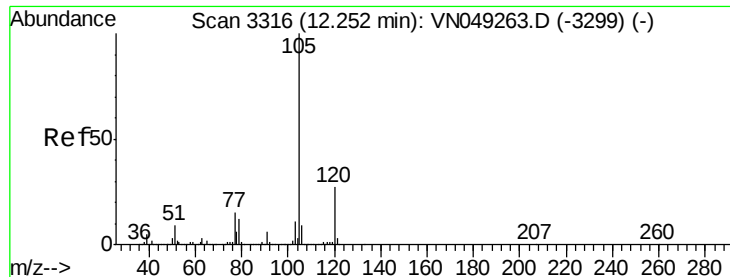
Tot Ion:106 Resp: 11955
Ion Ratio Lower Upper
106 100
91 231.7 111.0 333.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049318.D
Acq: 16 Jun 2018 19:03

Tgt Ion:152 Resp: 946253
Ion Ratio Lower Upper
152 100
115 57.6 28.7 86.1
150 156.6 0.0 351.0





#73

Isopropylbenzene

Concen: 12.80 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

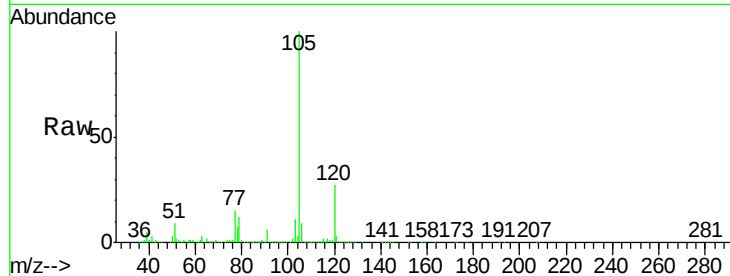
ClientSampleId :

Tot Ion:105 Resp: 1063077

Ion Ratio Lower Upper

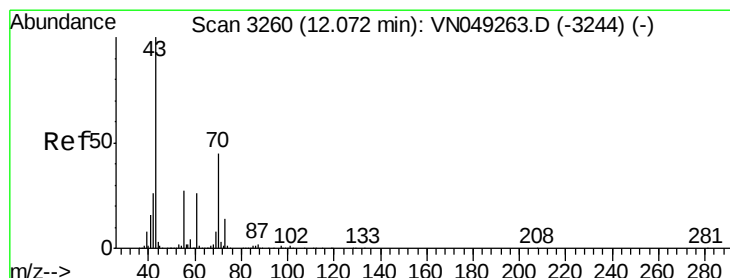
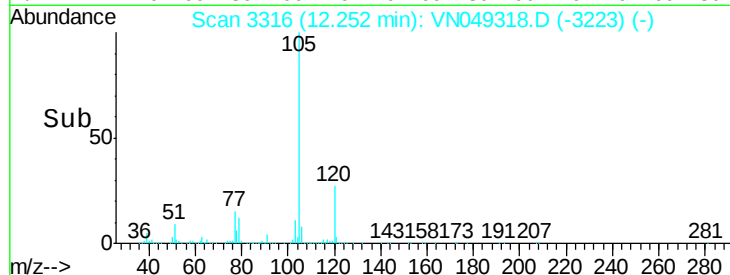
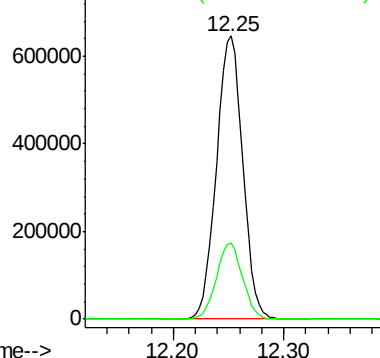
105 100

120 26.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.22 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Tgt Ion: 43 Resp: 4462

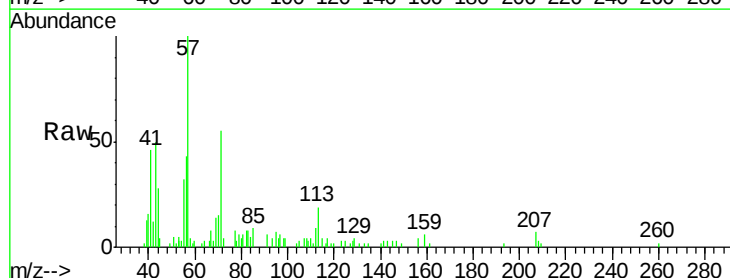
Ion Ratio Lower Upper

43 100

70 31.8 30.3 45.5

55 0.0 19.4 29.2#

61 0.0 17.8 26.6#

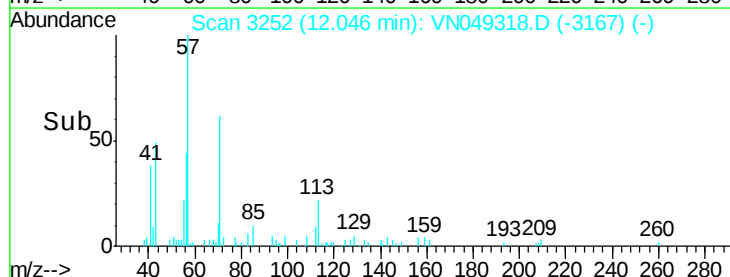
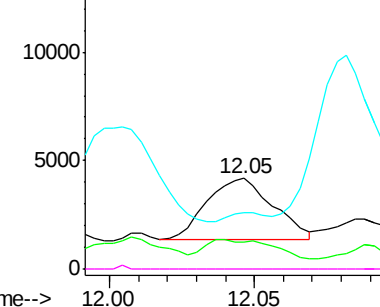


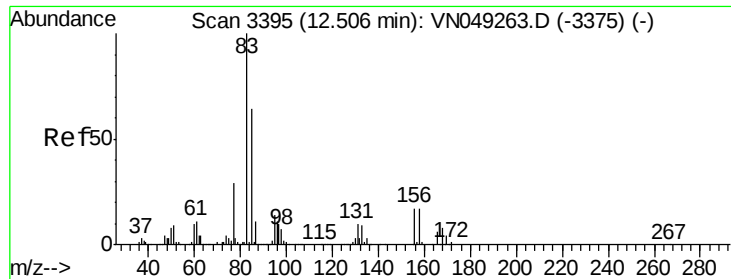
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3383

Delta R.T. -0.04 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

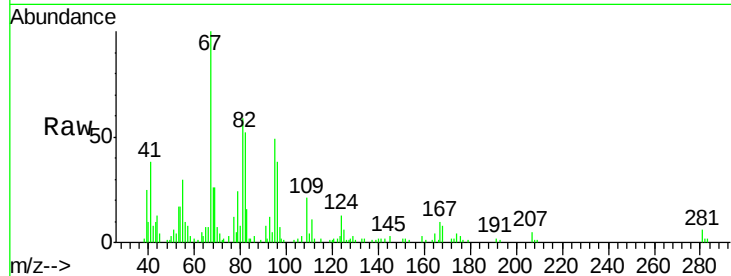
Tot Ion: 83 Resp: 4024

Ion Ratio Lower Upper

83 100

131 5.2 5.0 15.0

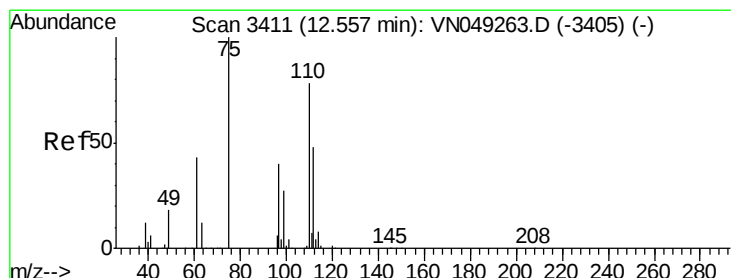
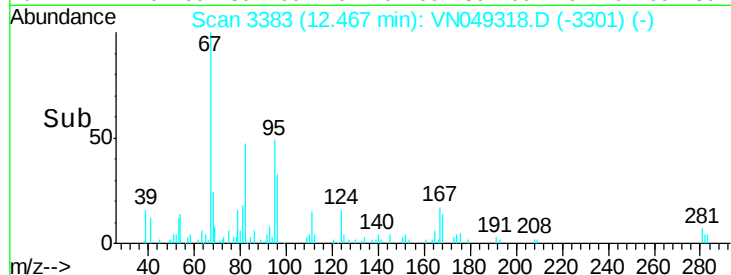
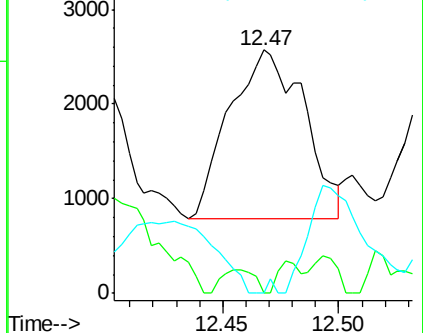
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 33.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049318.D

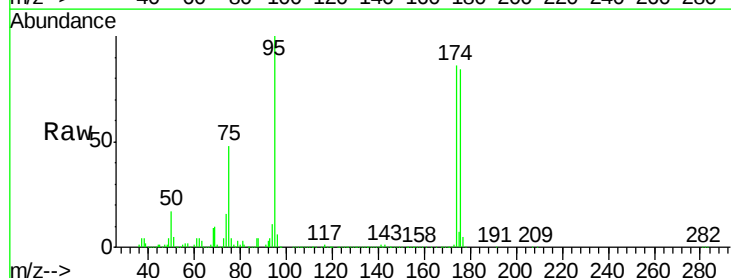
Acq: 16 Jun 2018 19:03

Tgt Ion: 75 Resp: 537394

Ion Ratio Lower Upper

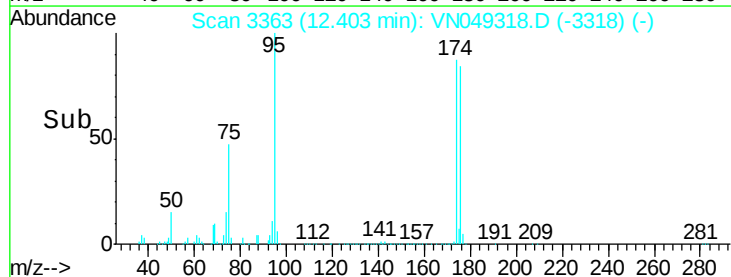
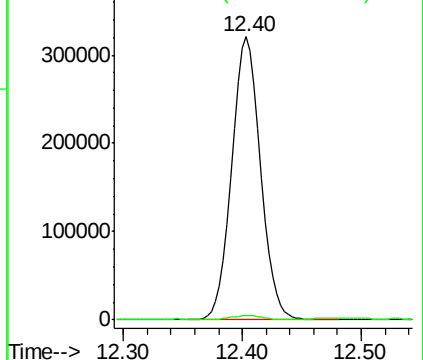
75 100

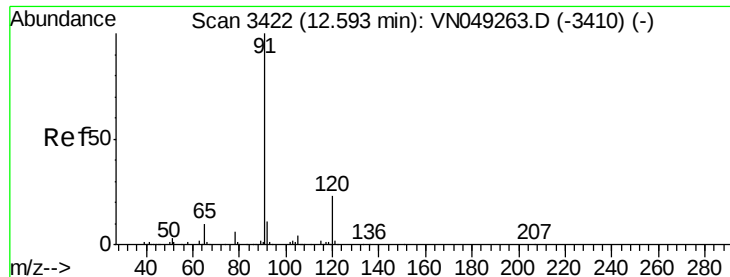
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#78

n-propylbenzene

Concen: 20.09 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

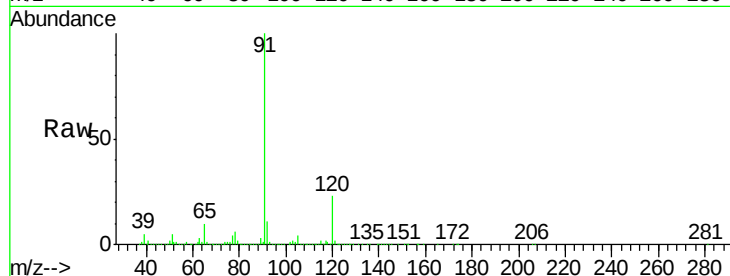
ClientSampled :

Tot Ion: 91 Resp: 1832375

Ion Ratio Lower Upper

91 100

120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

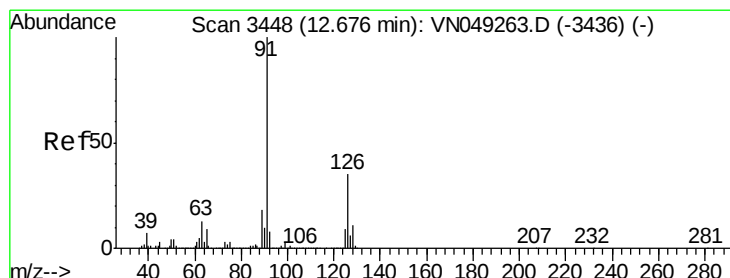
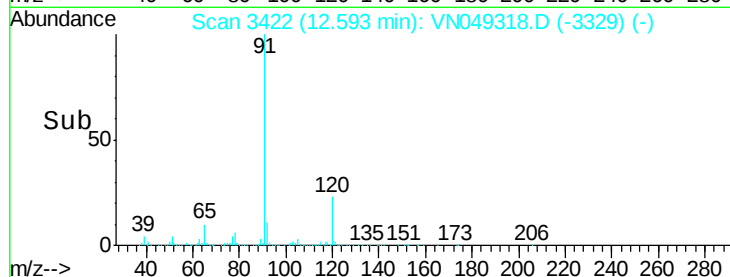
12.59

1000000

500000

0

Time--> 12.50 12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 31.70 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN049318.D

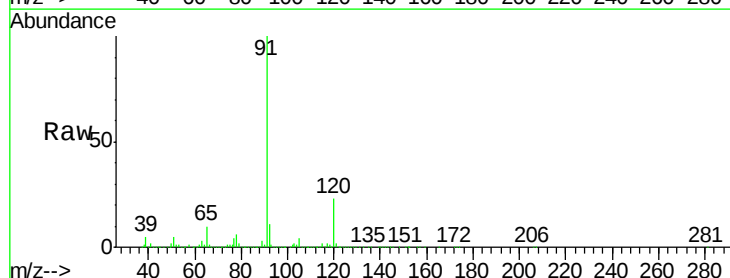
Acq: 16 Jun 2018 19:03

Tgt Ion: 91 Resp: 1832375

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

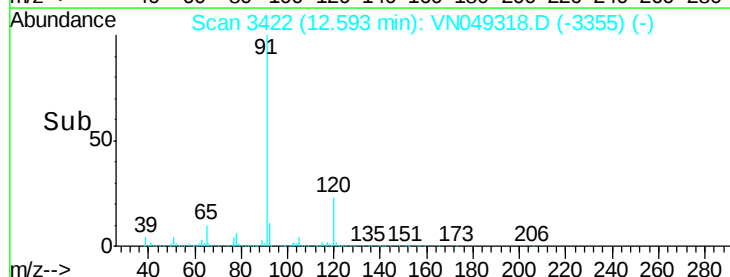
12.59

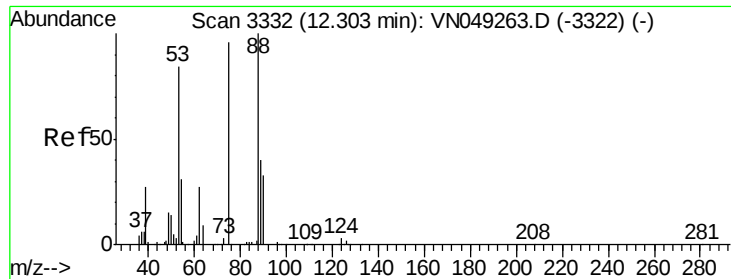
1000000

500000

0

Time--> 12.50 12.55 12.60 12.65





#81

trans-1,4-Dichloro-2-butene

Concen: 105.20 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampleId :

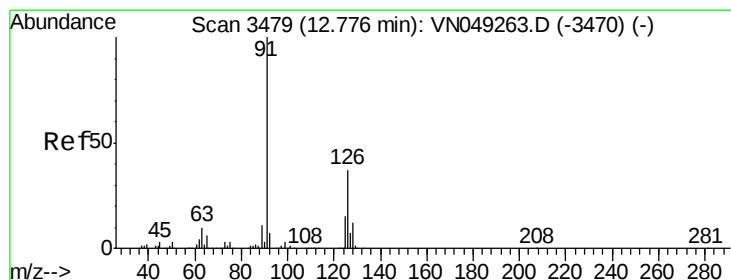
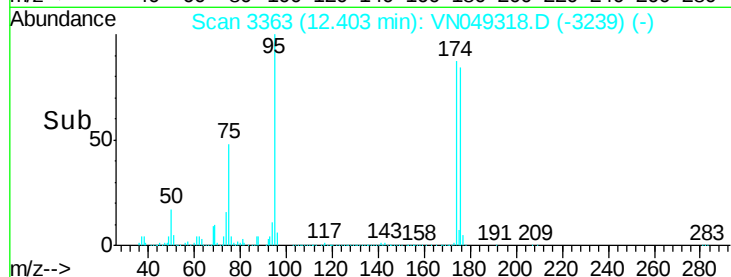
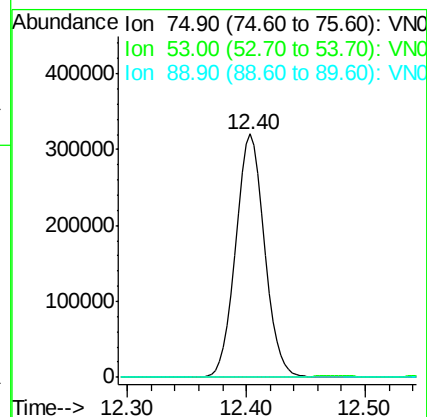
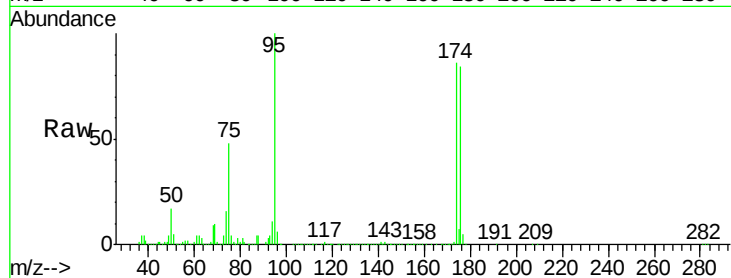
Tot Ion: 75 Resp: 537394

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

89 0.0 36.5 54.7#



#82

4-Chlorotoluene

Concen: 32.86 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN049318.D

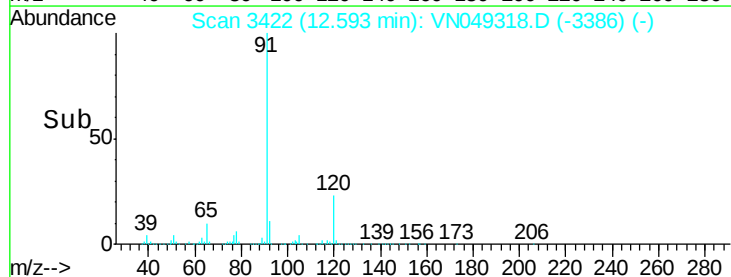
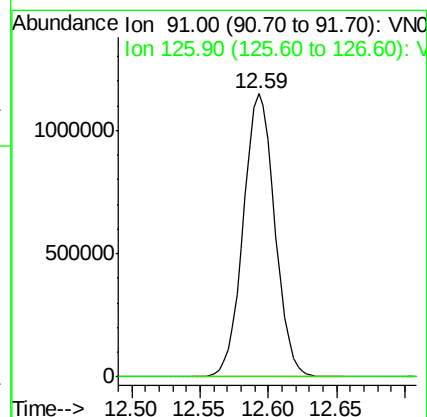
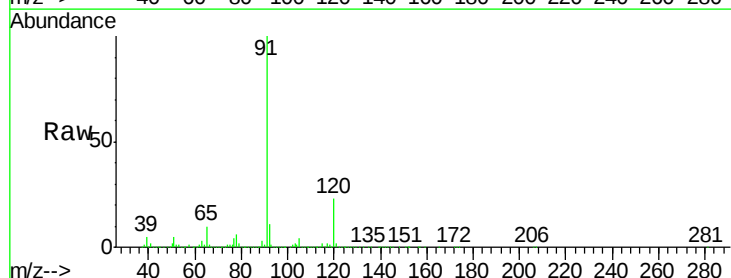
Acq: 16 Jun 2018 19:03

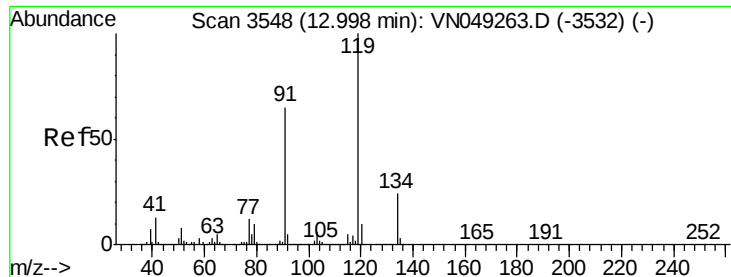
Tgt Ion: 91 Resp: 1832375

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#





#83

tert-Butylbenzene

Concen: 1.32 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampled :

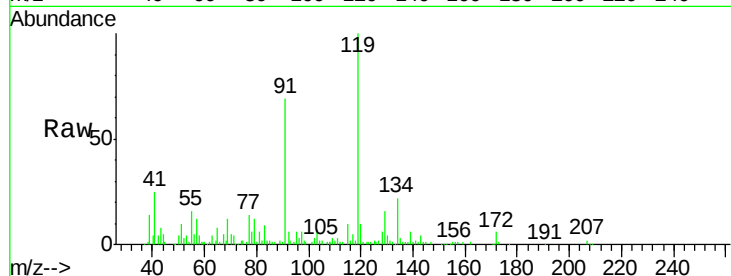
Tot Ion:119 Resp: 76654

Ion Ratio Lower Upper

119 100

91 75.5 33.7 101.0

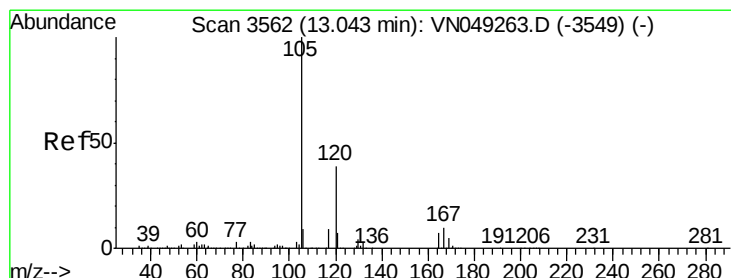
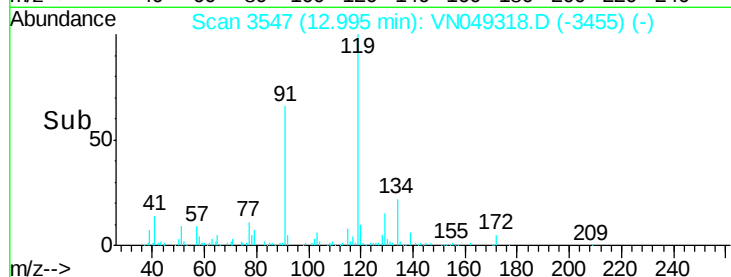
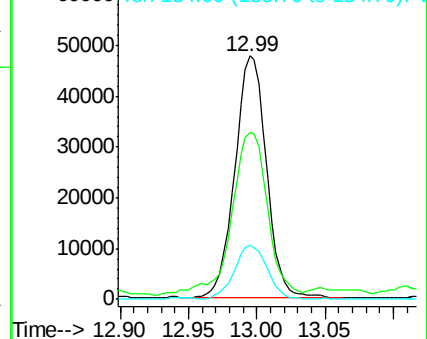
134 23.5 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.68 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.13 min

Lab File: VN049318.D

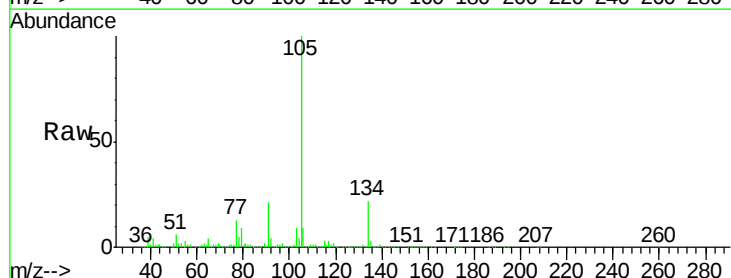
Acq: 16 Jun 2018 19:03

Tgt Ion:105 Resp: 627883

Ion Ratio Lower Upper

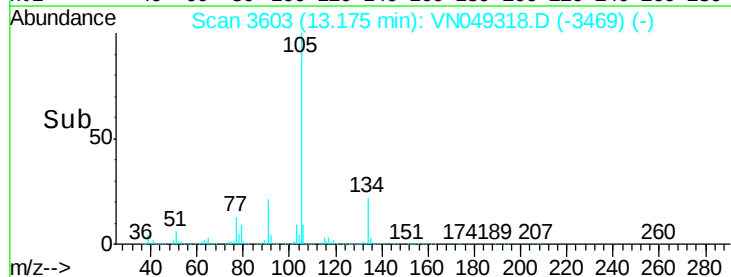
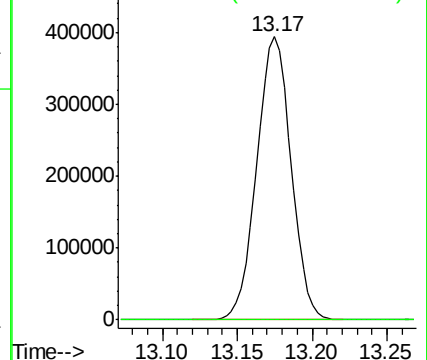
105 100

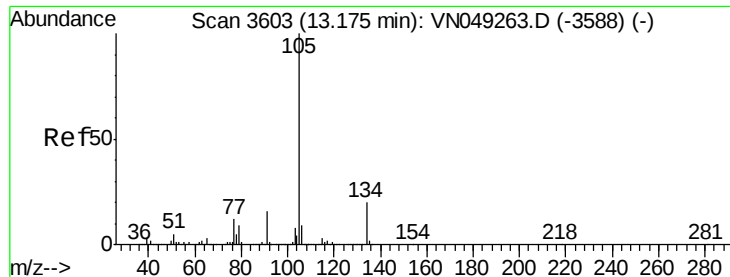
120 0.2 22.2 66.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 8.15 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

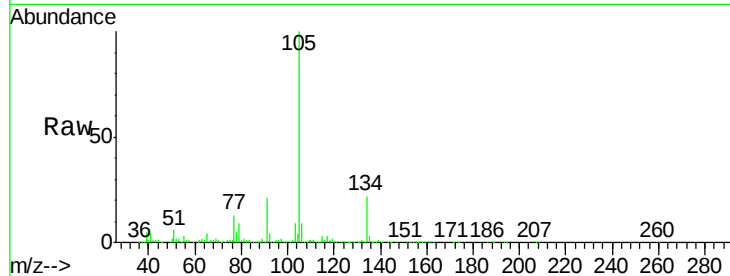
ClientSampled :

Tot Ion:105 Resp: 627883

Ion Ratio Lower Upper

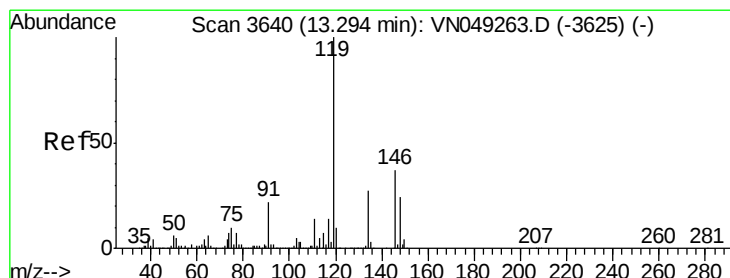
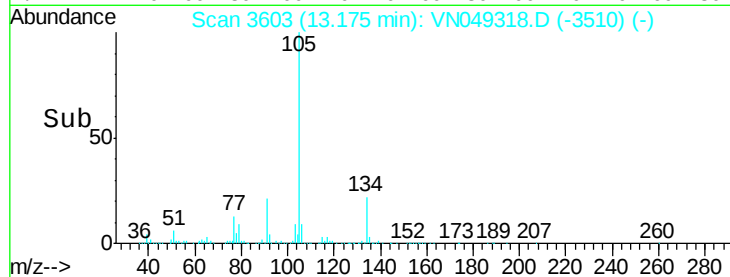
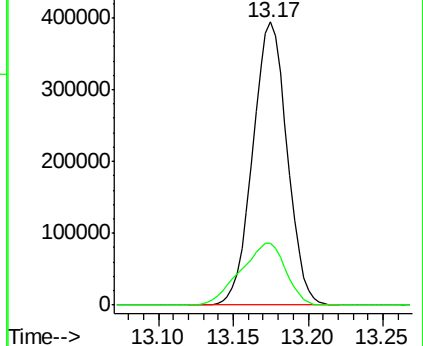
105 100

134 29.0 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.78 ug/l

RT: 13.44 min Scan# 3687

Delta R.T. 0.15 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

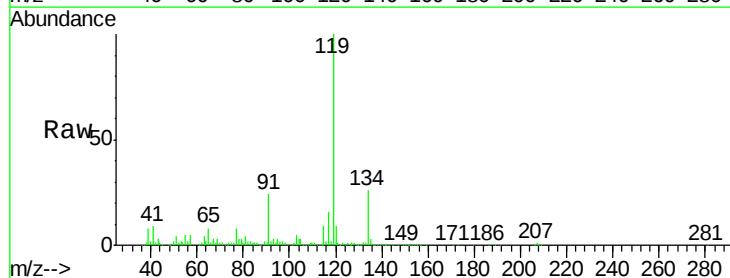
Tgt Ion:119 Resp: 307436

Ion Ratio Lower Upper

119 100

134 27.5 12.9 38.6

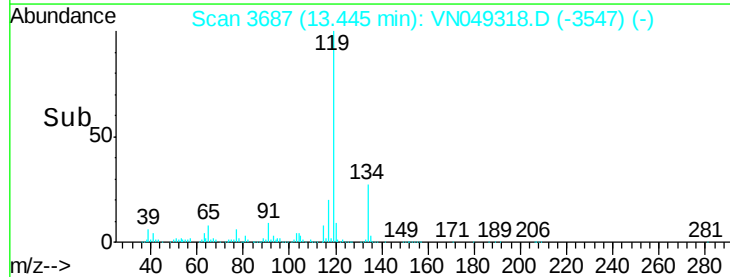
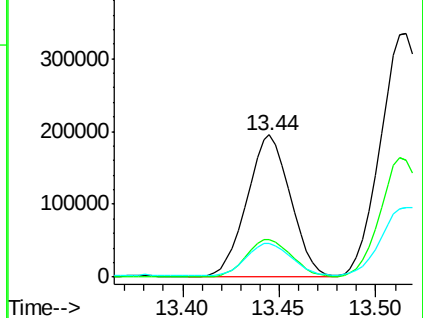
91 24.1 12.1 36.3

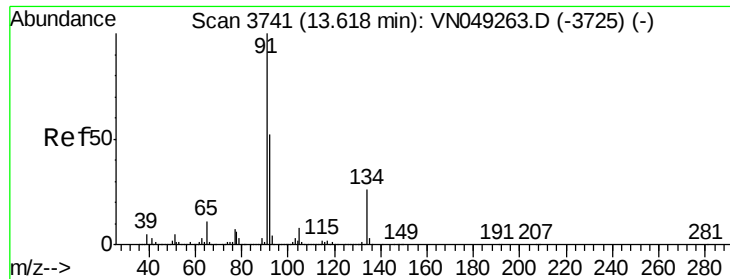


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 7.59 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampled :

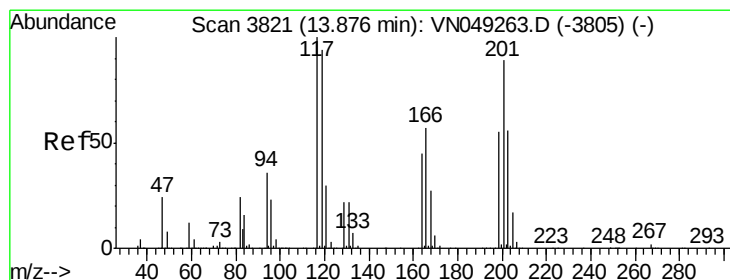
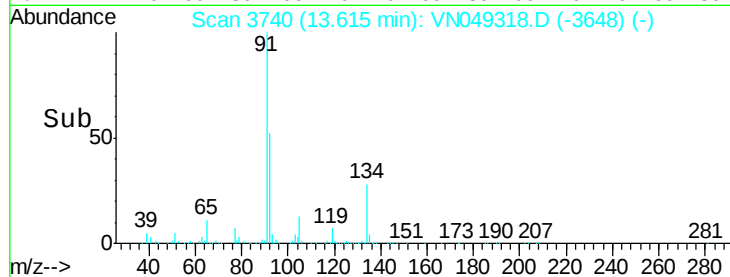
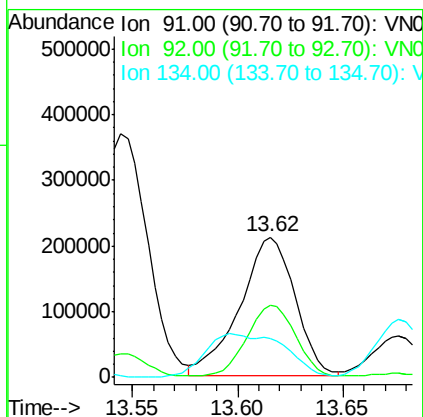
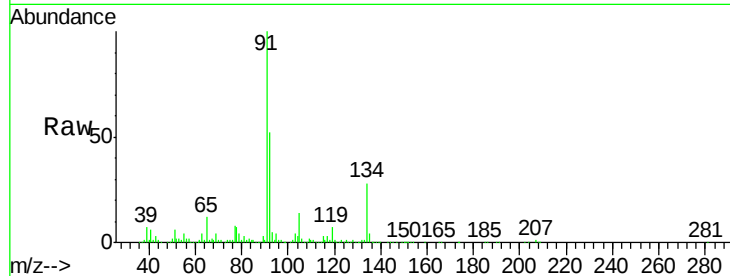
Tot Ion: 91 Resp: 381318

Ion Ratio Lower Upper

91 100

92 47.1 25.1 75.4

134 45.7 12.0 36.0#



#90

Hexachloroethane

Concen: 24.02 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049318.D

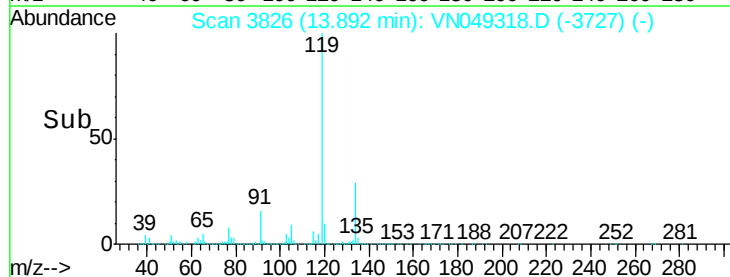
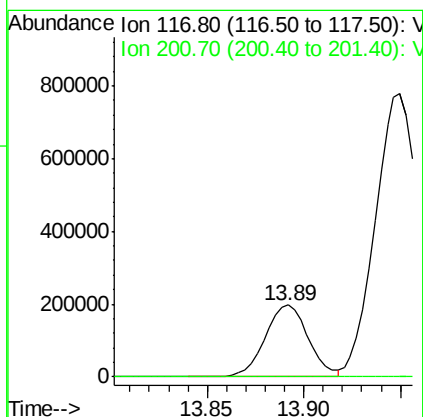
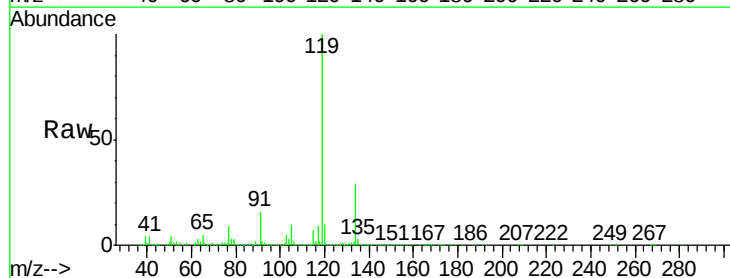
Acq: 16 Jun 2018 19:03

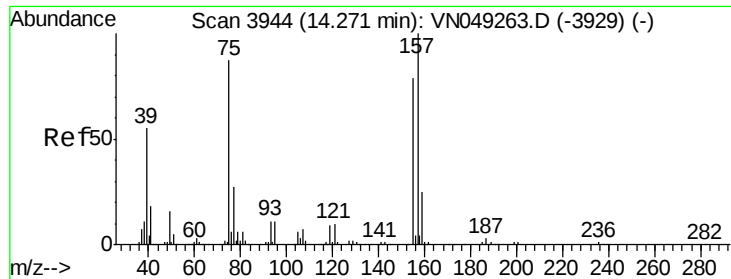
Tgt Ion: 117 Resp: 303236

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.90 ug/l

RT: 14.30 min Scan# 3952

Delta R.T. 0.03 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampled :

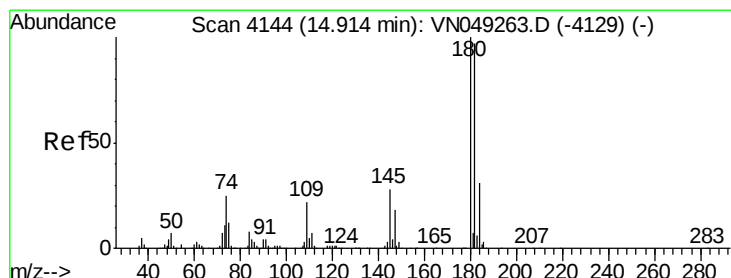
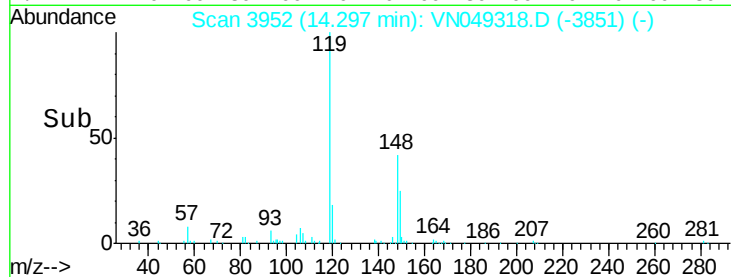
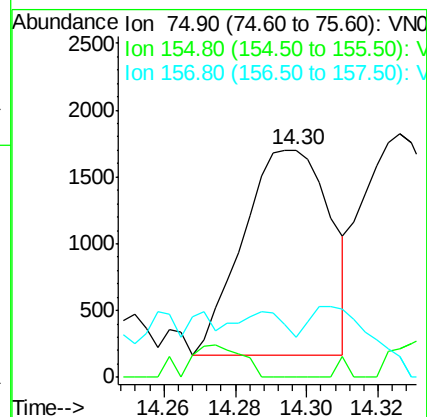
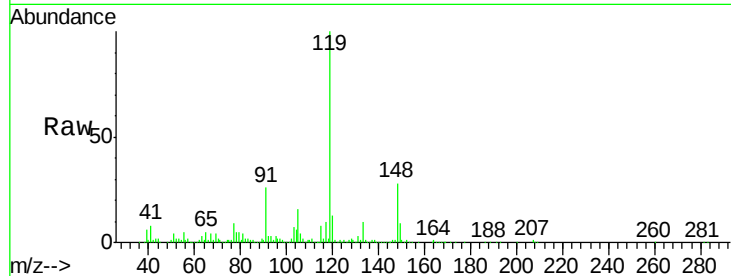
Tot Ion: 75 Resp: 2604

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

157 25.2 51.0 153.1#



#93

1,2,4-Trichlorobenzene

Concen: 4.88 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

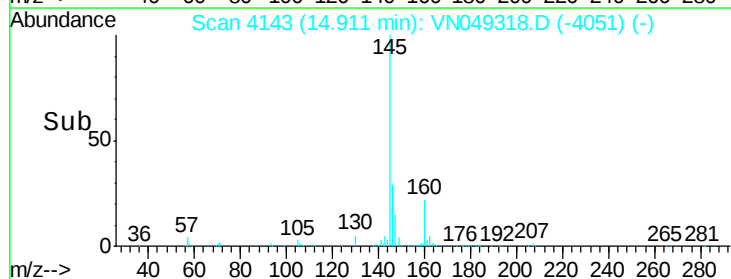
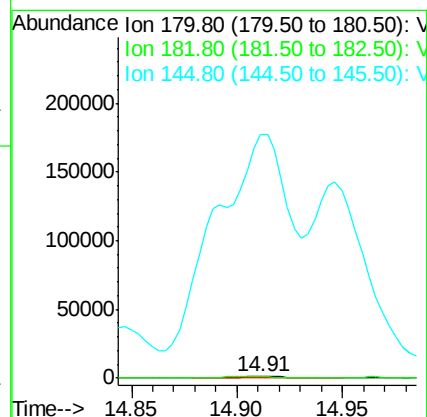
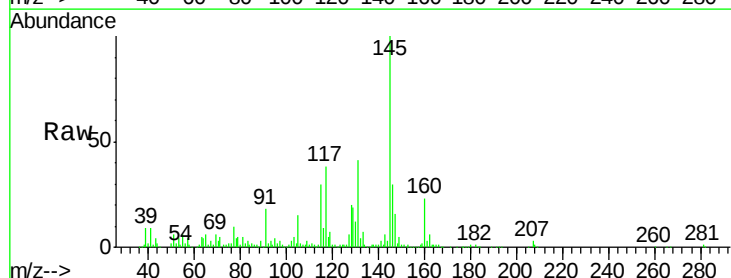
Tgt Ion: 180 Resp: 2509

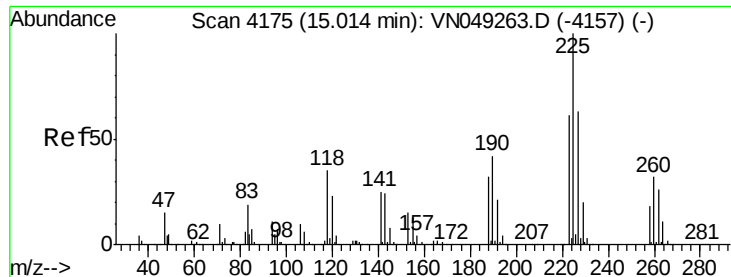
Ion Ratio Lower Upper

180 100

182 87.2 46.9 140.8

145 16916.0 14.7 44.1#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4177

Delta R.T. 0.01 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

Instrument :

MSVOA_N

ClientSampled :

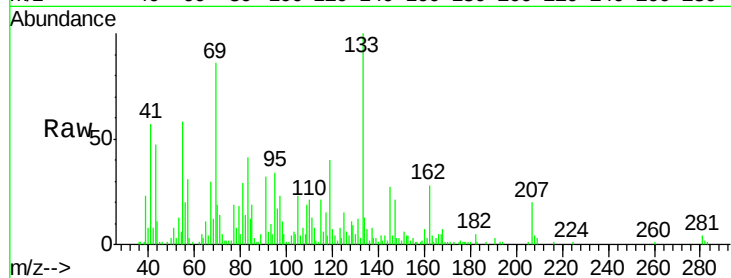
Tot Ion:225 Resp: 619

Ion Ratio Lower Upper

225 100

223 40.4 32.1 96.3

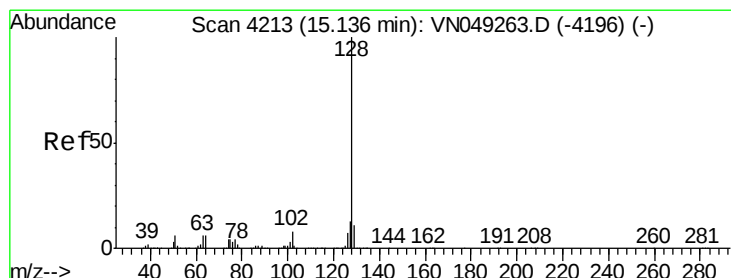
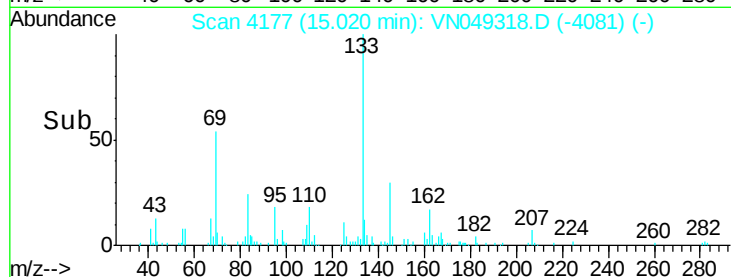
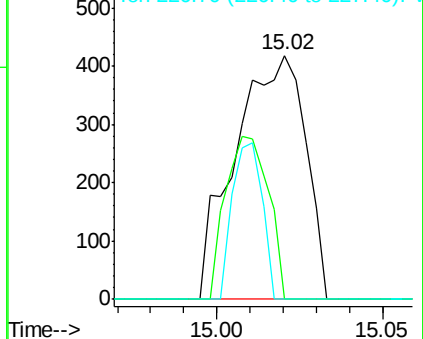
227 27.1 31.8 95.3#



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: 2.67 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049318.D

Acq: 16 Jun 2018 19:03

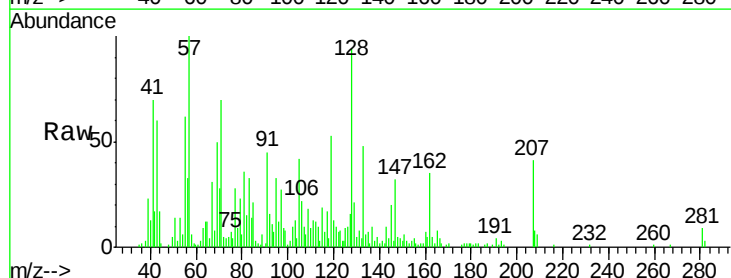
Tgt Ion:128 Resp: 15545

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

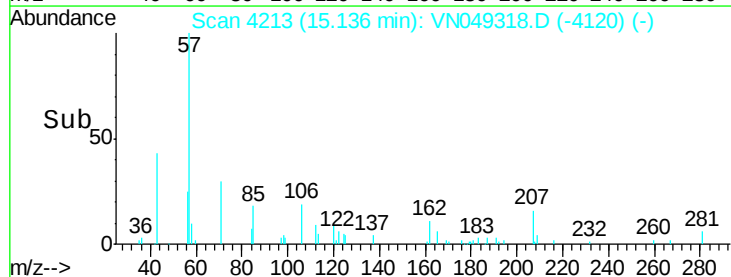
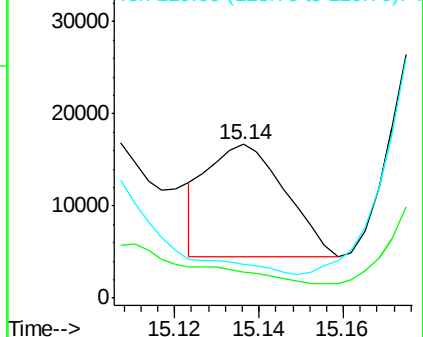
129 0.0 8.5 12.7#

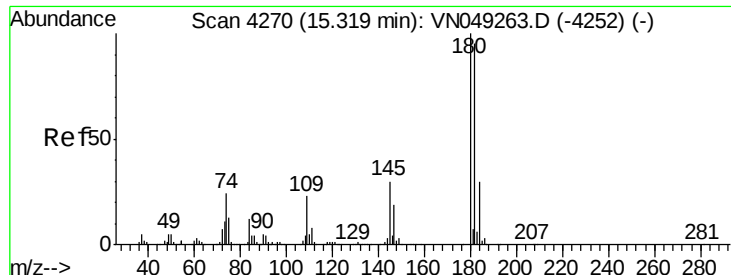


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

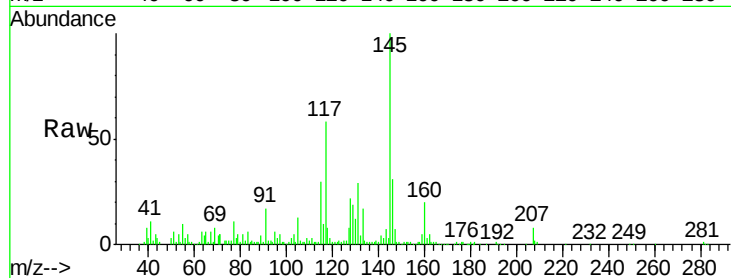




#96
 1,2,3-Trichlorobenzene
 Concen: 3.52 ug/l
 RT: 15.31 min Scan# 4267
 Delta R.T. -0.01 min
 Lab File: VN049318.D
 Acq: 16 Jun 2018 19:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1061
 Ion Ratio Lower Upper
 180 100
 182 116.7 47.3 141.8
 145 29754.9 15.6 46.7#



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

