

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049321.D
 Acq On : 16 Jun 2018 20:20
 Operator : MD\SY
 Sample : J3564-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:22:26 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	1705422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2700136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2347261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	943140	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	1118423	49.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.88%		
35) Dibromofluoromethane	7.59	113	1010765	46.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.54%		
50) Toluene-d8	10.09	98	3787995	45.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.08%		
62) 4-Bromofluorobenzene	12.40	95	1181688	42.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	85.94%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	10358	0.41	ug/l #	79
5) Bromomethane	2.57	94	4085	0.29	ug/l	82
11) Tert butyl alcohol	4.79	59	364	0.27	ug/l #	70
16) Acetone	3.82	43	19605	3.57	ug/l	93
17) Carbon Disulfide	4.05	76	19501	0.32	ug/l	98
18) Methyl Acetate	4.34	43	36612	2.19	ug/l #	91
25) 2-Butanone	6.85	43	5657	0.77	ug/l	96
31) Cyclohexane	7.66	56	49495	1.31	ug/l #	5
36) 1,1-Dichloropropene	7.67	75	117039	3.78	ug/l #	49
38) Carbon Tetrachloride	7.67	117	153039	4.78	ug/l #	16
39) Methylcyclohexane	9.08	83	28207	0.85	ug/l #	87
40) Benzene	8.04	78	21710	0.23	ug/l	95
43) Isopropyl Acetate	8.25	43	303369	9.44	ug/l #	64
48) Methyl methacrylate	9.08	41	14745	0.97	ug/l #	83
49) 1,4-Dioxane	9.19	88	330	1.58	ug/l #	40
51) 4-Methyl-2-Pentanone	9.98	43	6276	0.37	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	13068	0.63	ug/l #	19
56) Ethyl methacrylate	10.44	69	8386	0.35	ug/l #	49
58) 2-Chloroethyl Vinyl ether	9.72	63	30	14.33	ug/l #	51
69) o-Xylene	11.95	106	12027	0.33	ug/l	94
73) Isopropylbenzene	12.25	105	181209	2.19	ug/l	97
74) N-amyl acetate	12.04	43	4299	0.21	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.47	83	2126	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	565370	35.13	ug/l #	100
77) Bromobenzene	12.57	156	83806	3.83	ug/l #	1
78) n-propylbenzene	12.59	91	209159	2.30	ug/l	99
79) 2-Chlorotoluene	12.59	91	209159	3.63	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.40	75	565370	111.04	ug/l #	8
82) 4-Chlorotoluene	12.59	91	209159	3.76	ug/l #	45
83) tert-Butylbenzene	12.99	119	56109	0.97	ug/l	96
85) sec-Butylbenzene	13.17	105	221800	2.89	ug/l #	76
86) p-Isopropyltoluene	13.44	119	233800	3.65	ug/l	97
89) n-Butylbenzene	13.62	91	56943	1.14	ug/l #	71
90) Hexachloroethane	13.95	117	125112	8.92	ug/l #	9

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Response via : Initial Calibration

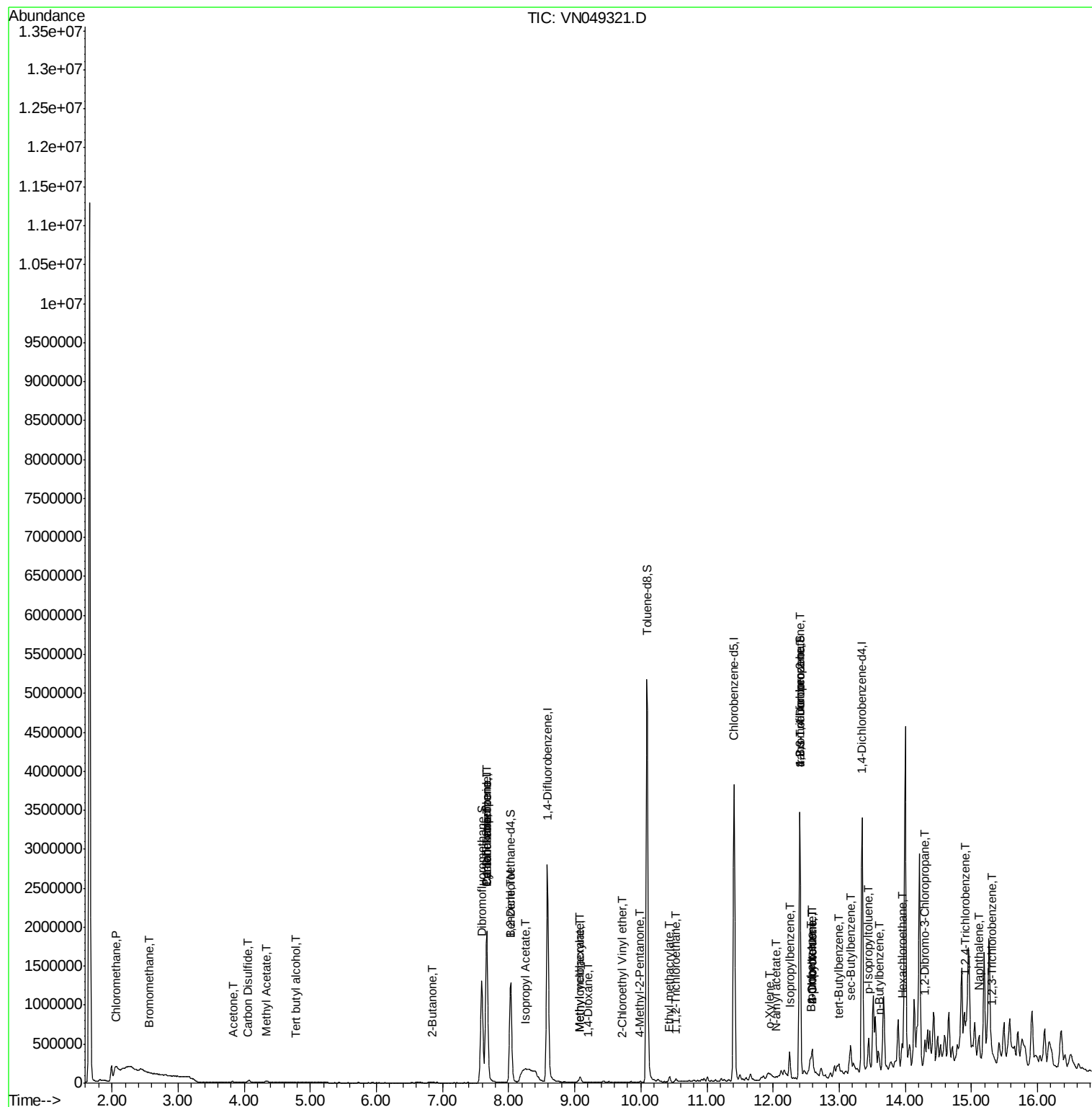
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.30	75	1854	0.64	ug/l #	21
93) 1,2,4-Trichlorobenzene	14.91	180	1155	4.81	ug/l #	1
95) Naphthalene	15.11	128	7457	2.36	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.32	180	611	3.49	ug/l #	10

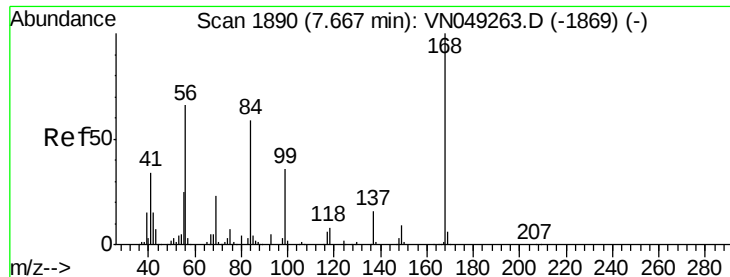
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

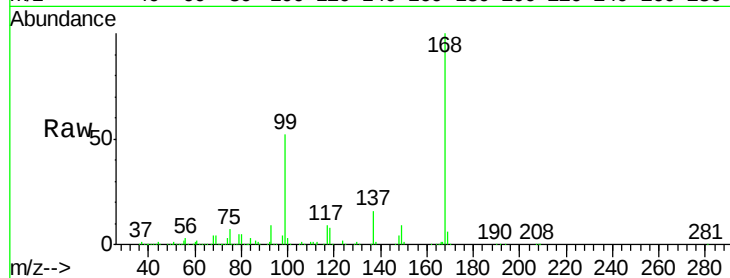
ClientSampleId :

Tot Ion:168 Resp: 1705422

Ion Ratio Lower Upper

168 100

99 51.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

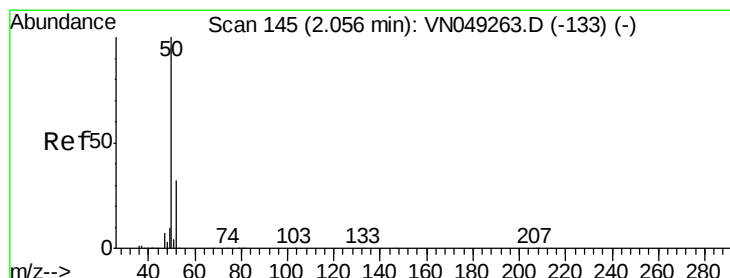
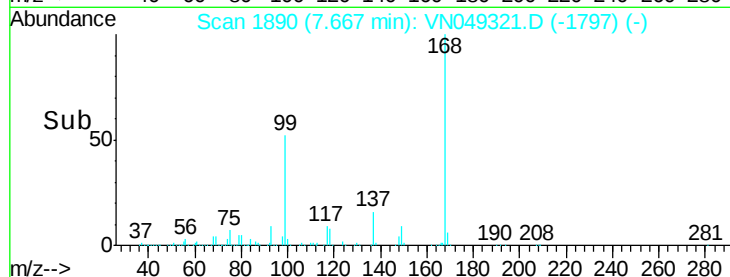
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.41 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049321.D

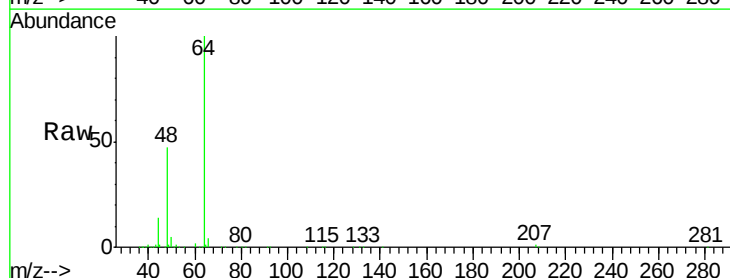
Acq: 16 Jun 2018 20:20

Tgt Ion: 50 Resp: 10358

Ion Ratio Lower Upper

50 100

52 19.6 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

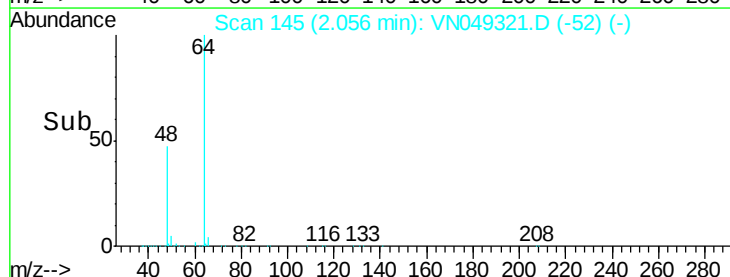
6000

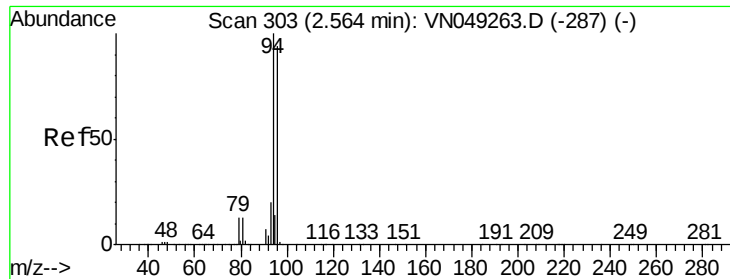
4000

2000

0

Time--> 2.00 2.05 2.10





#5

Bromomethane

Concen: 0.29 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

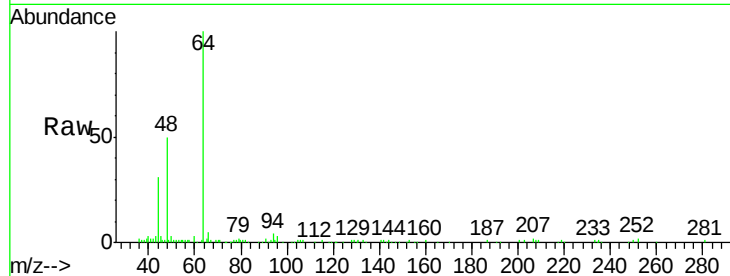
ClientSampled :

Tot Ion: 94 Resp: 4085

Ion Ratio Lower Upper

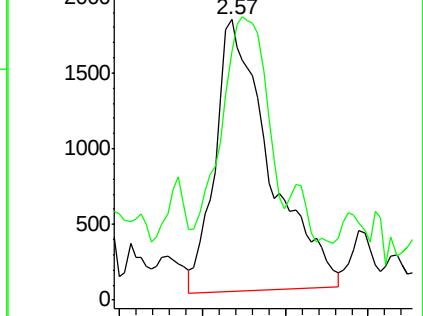
94 100

96 74.0 72.8 109.2

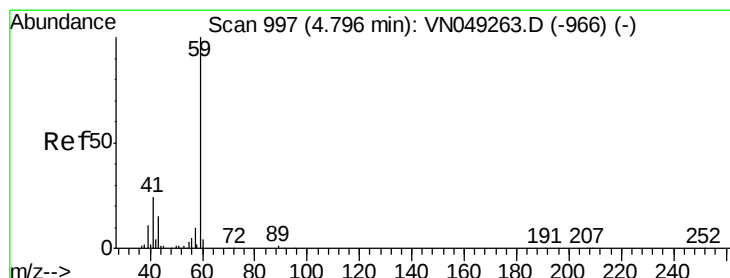
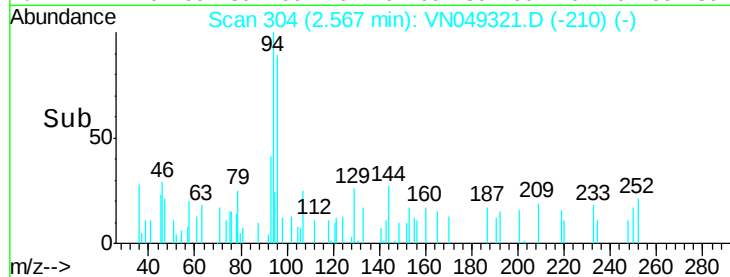


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#11

Tert butyl alcohol

Concen: 0.27 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.01 min

Lab File: VN049321.D

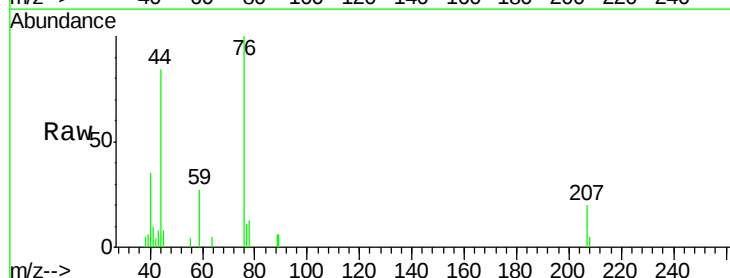
Acq: 16 Jun 2018 20:20

Tgt Ion: 59 Resp: 364

Ion Ratio Lower Upper

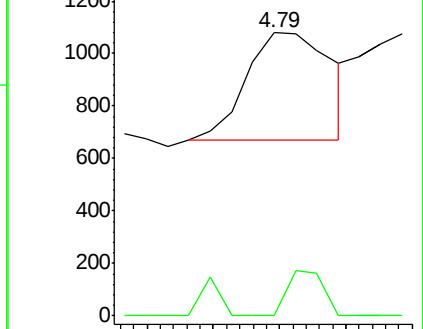
59 100

57 0.0 9.0 13.6#

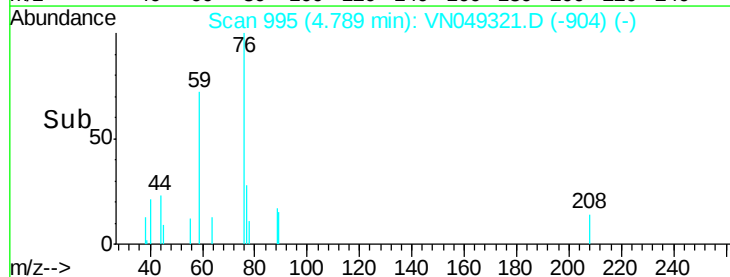


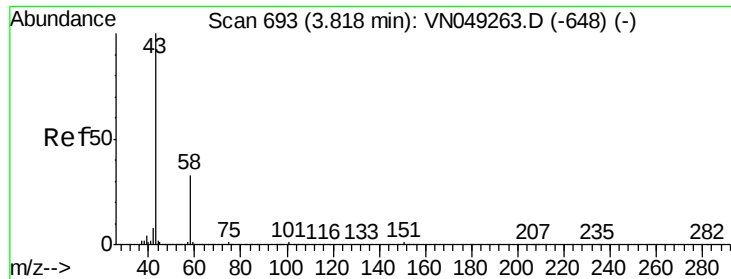
Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



Time-->





#16

Acetone

Concen: 3.57 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

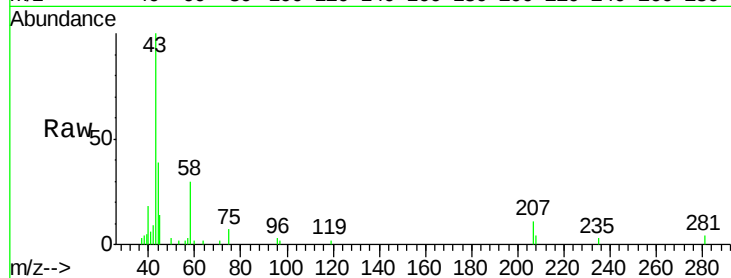
ClientSampleId :

Tot Ion: 43 Resp: 19605

Ion Ratio Lower Upper

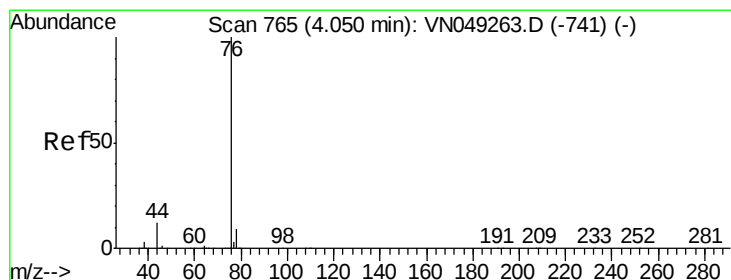
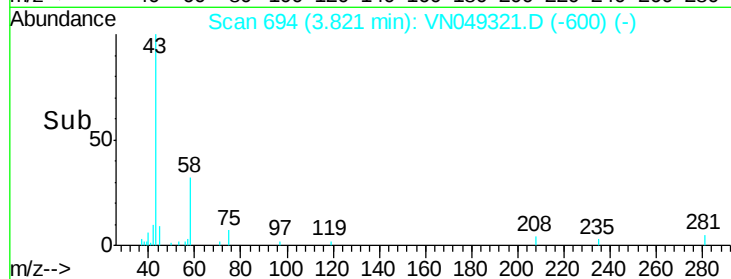
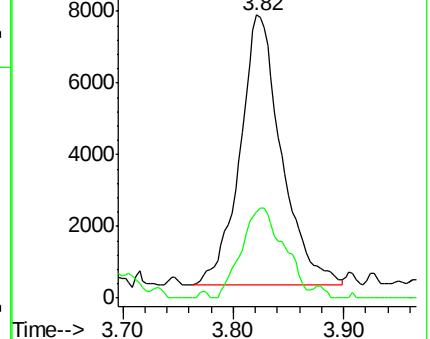
43 100

58 31.9 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.32 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049321.D

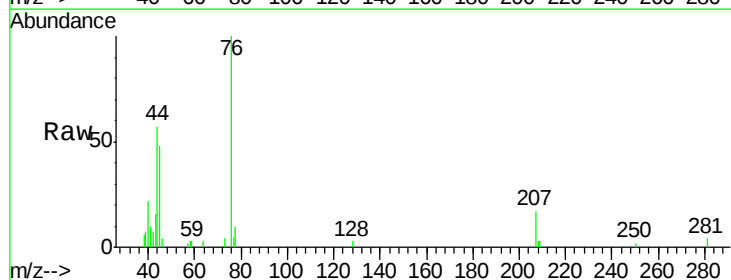
Acq: 16 Jun 2018 20:20

Tgt Ion: 76 Resp: 19501

Ion Ratio Lower Upper

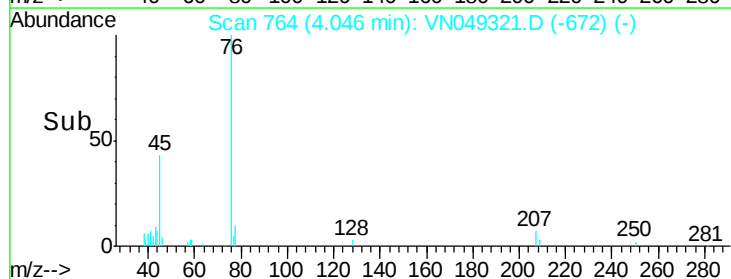
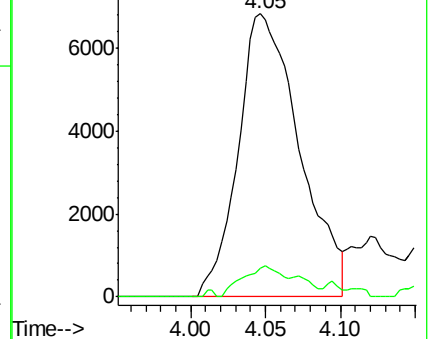
76 100

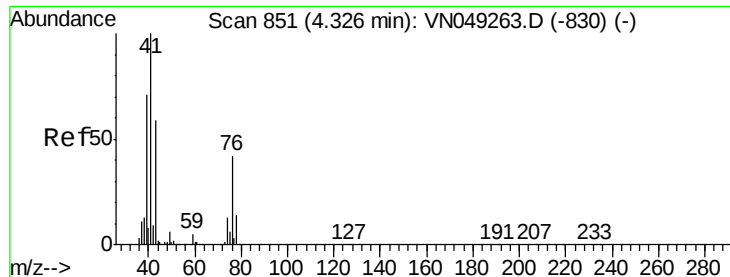
78 10.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

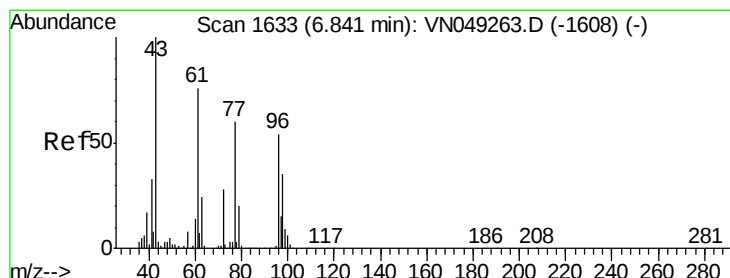
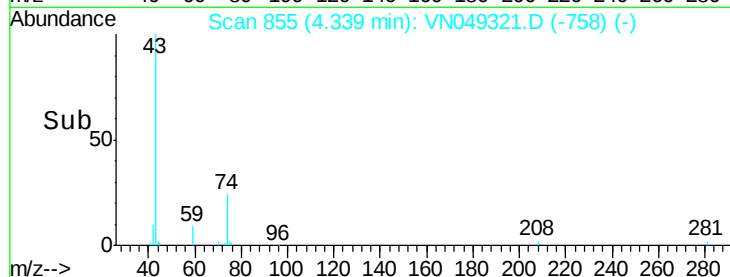
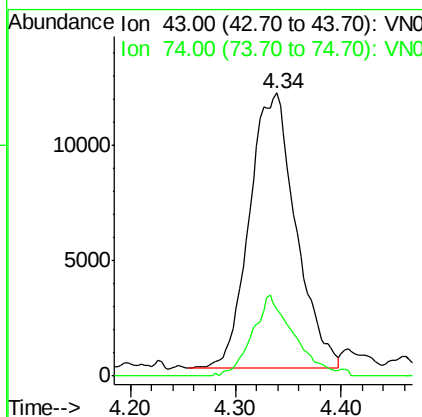
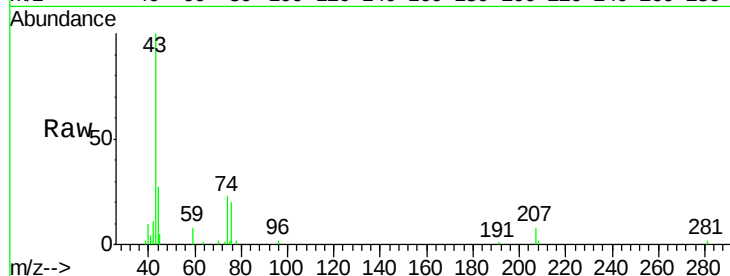




#18
Methvl Acetate
Concen: 2.19 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

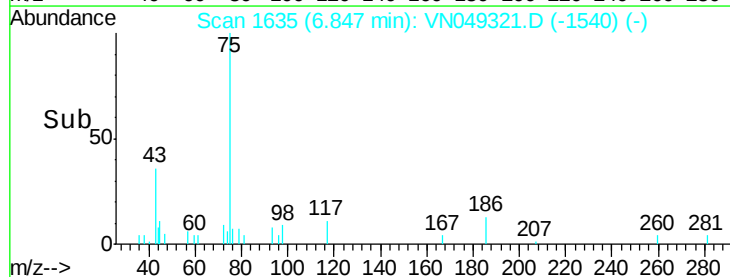
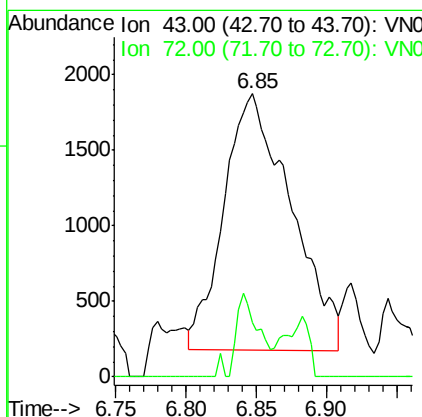
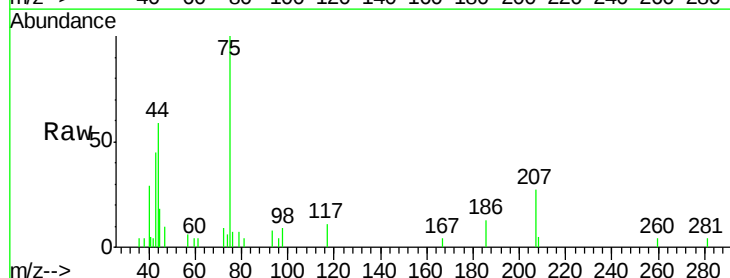
Instrument :
MSVOA_N
ClientSampled :

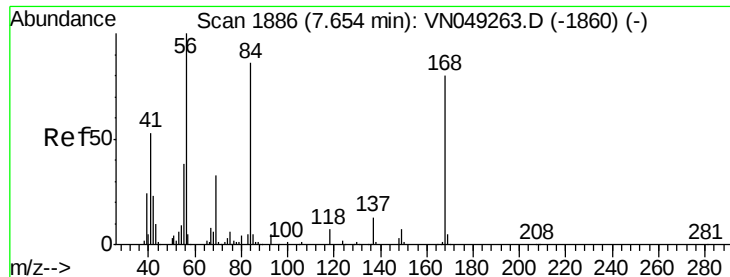
Tot Ion: 43 Resp: 36612
Ion Ratio Lower Upper
43 100
74 26.1 17.4 26.0#



#25
2-Butanone
Concen: 0.77 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Tgt Ion: 43 Resp: 5657
Ion Ratio Lower Upper
43 100
72 23.2 20.2 30.2

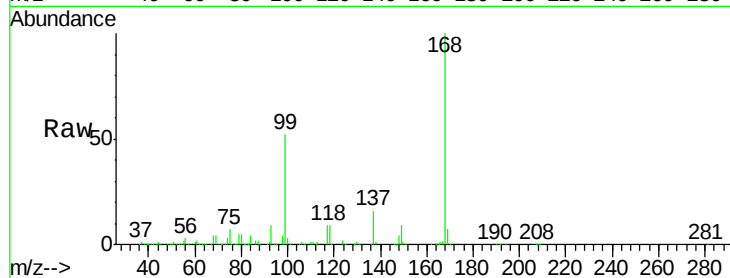




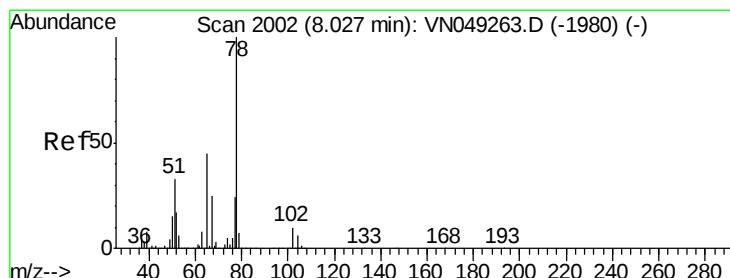
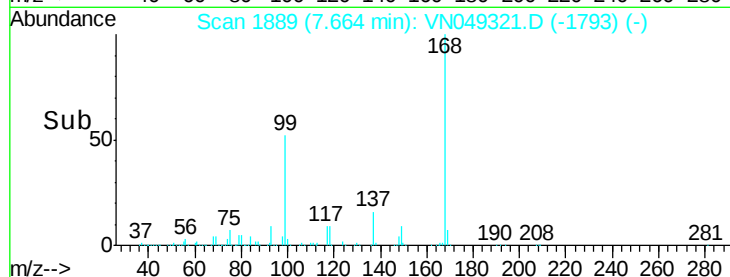
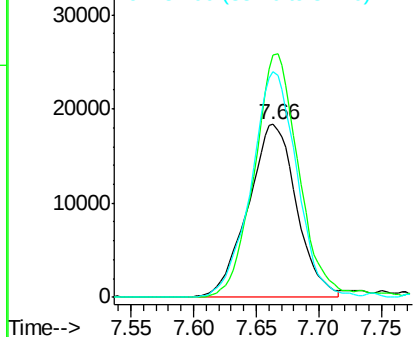
#31
Cyclohexane
Concen: 1.31 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	56	Resp	49495
Ion	Ratio	Lower	Upper
56	100		
69	139.7	25.0	37.4#
84	130.3	64.6	96.8#

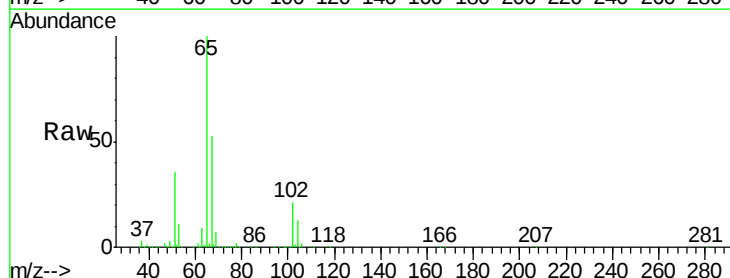


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

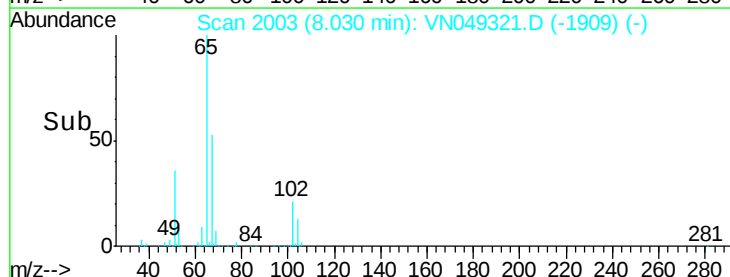
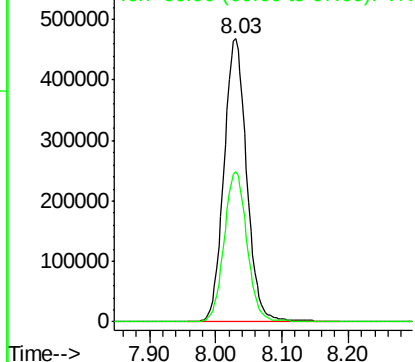


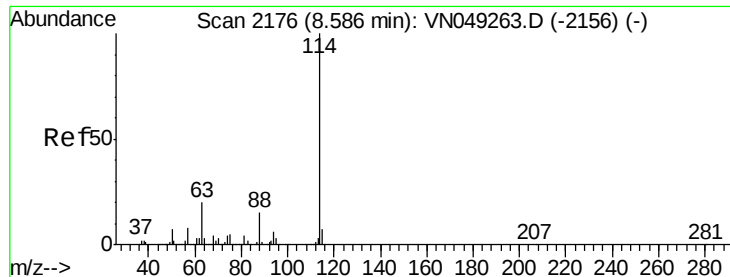
#33
1,2-Dichloroethane-d4
Concen: 49.44 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Tgt Ion	65	Resp	1118423
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	103.8



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

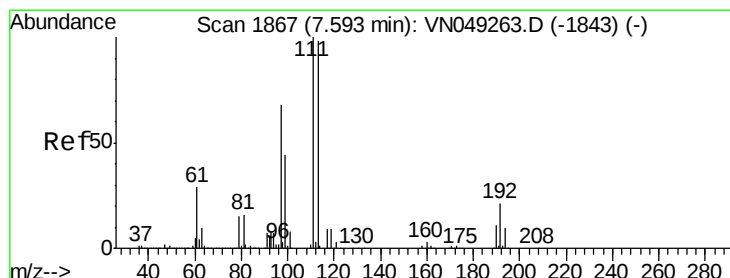
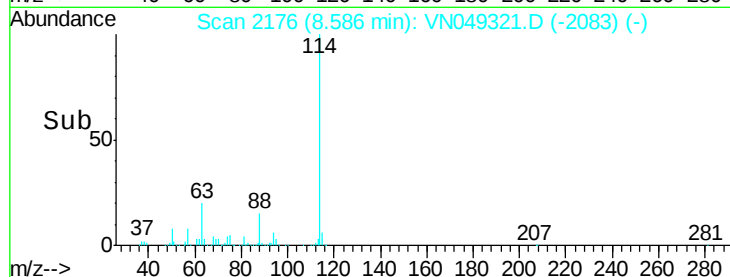
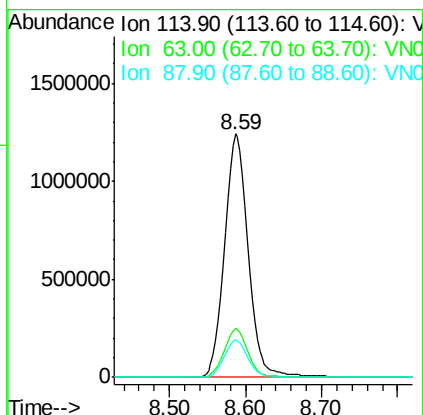
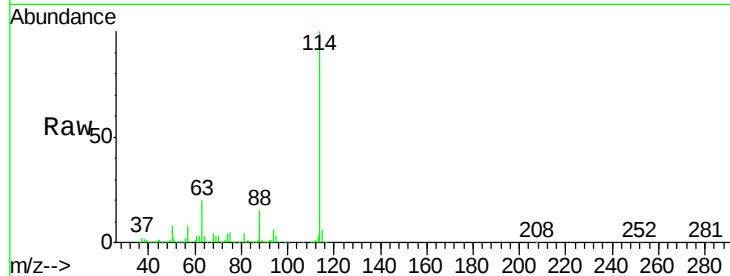




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049321.D
 Acq: 16 Jun 2018 20:20

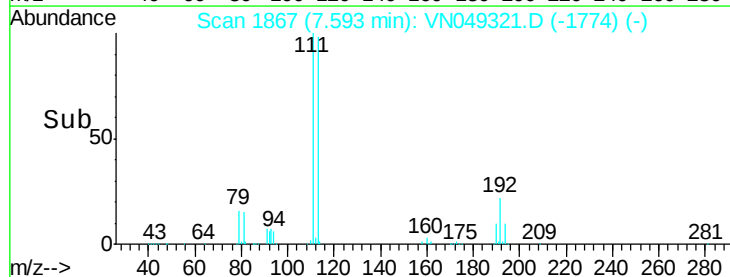
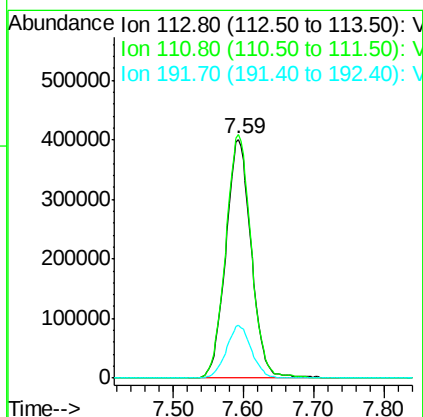
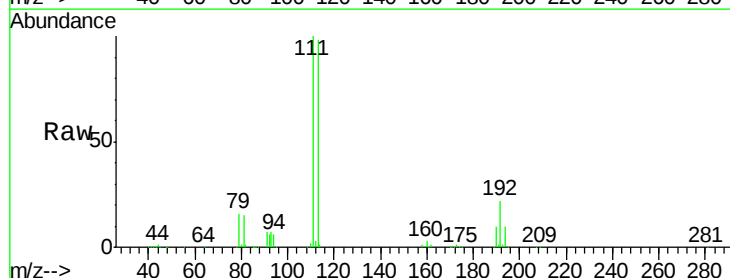
Instrument :
 MSVOA_N
 ClientSampleId :

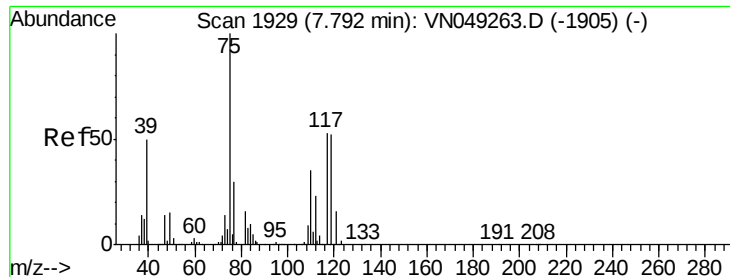
Tot Ion:114 Resp: 2700136
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 44.4
 88 15.3 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 46.27 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049321.D
 Acq: 16 Jun 2018 20:20

Tgt Ion:113 Resp: 1010765
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.4 123.6
 192 21.8 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.78 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

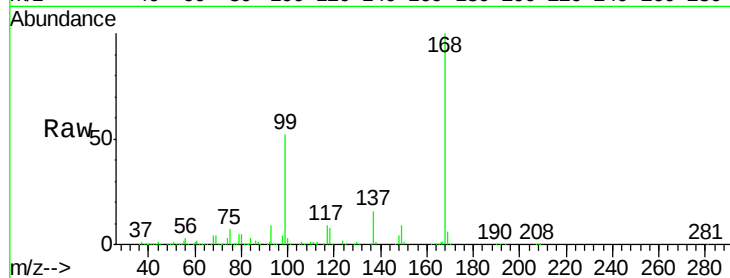
Tot Ion: 75 Resp: 117039

Ion Ratio Lower Upper

75 100

110 7.5 17.0 50.9#

77 0.0 24.4 36.6#

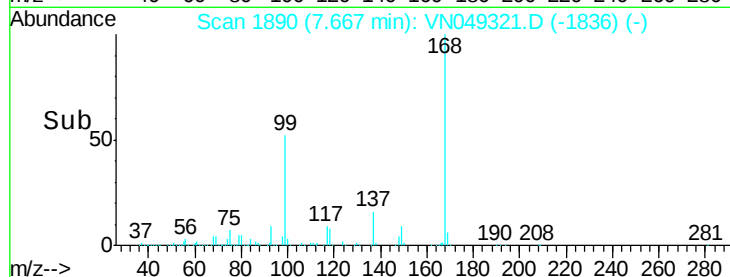


Abundance Ion 74.90 (74.60 to 75.60): VN049321.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049321.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049321.D (-1836) (-)

Time-->



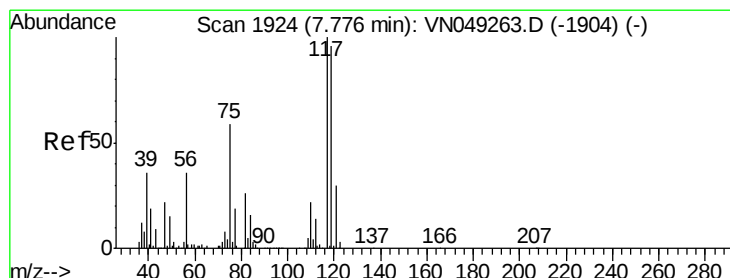
Abundance

Ion 74.90 (74.60 to 75.60): VN049321.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049321.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049321.D (-1836) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.78 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

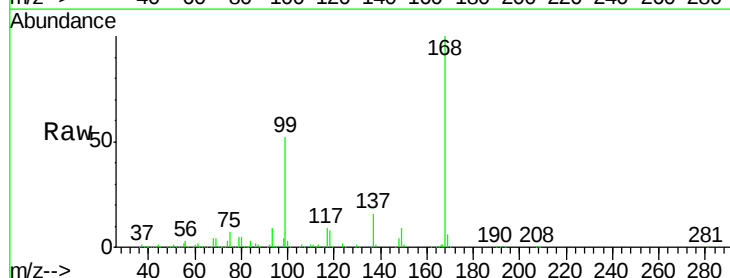
Tgt Ion: 117 Resp: 153039

Ion Ratio Lower Upper

117 100

119 3.9 75.6 113.4#

121 0.0 24.7 37.1#

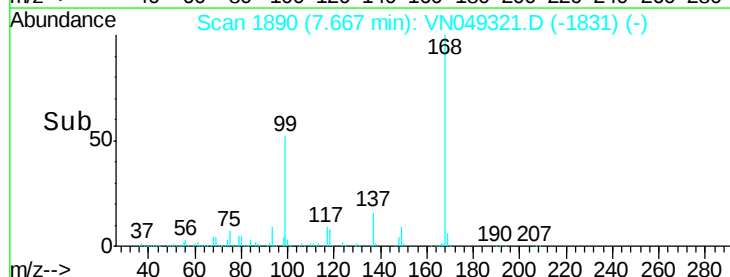


Abundance Ion 116.80 (116.50 to 117.50): VN049321.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049321.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049321.D (-1831) (-)

Time-->



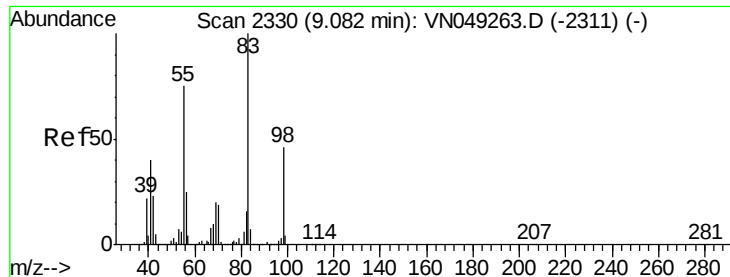
Abundance

Ion 116.80 (116.50 to 117.50): VN049321.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049321.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049321.D (-1831) (-)

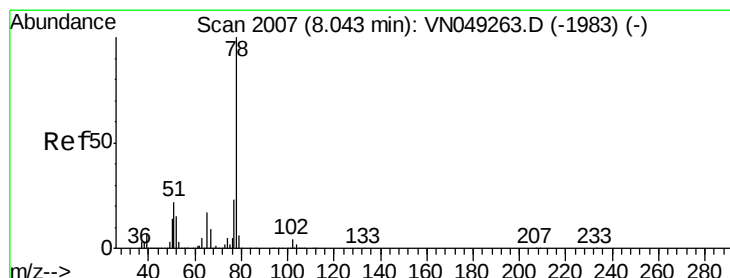
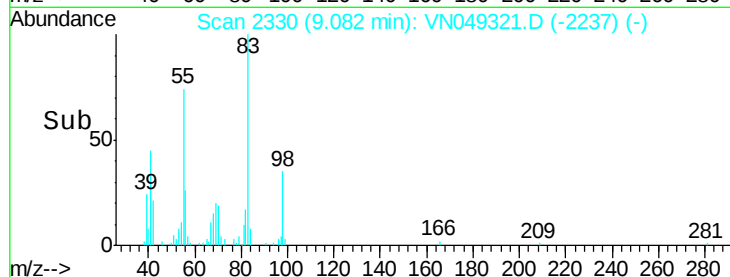
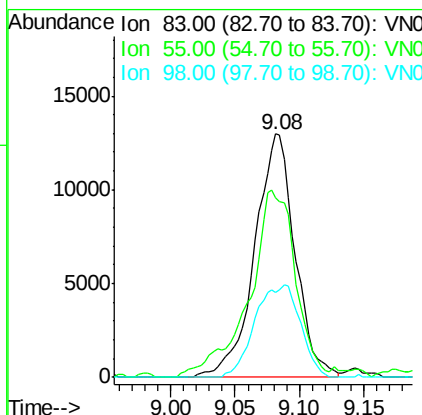
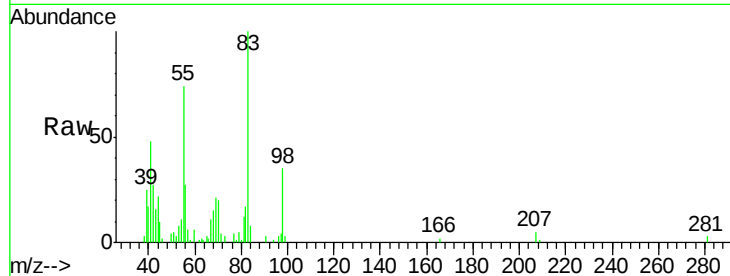
Time-->



#39
Methvlcvclohexane
Concen: 0.85 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

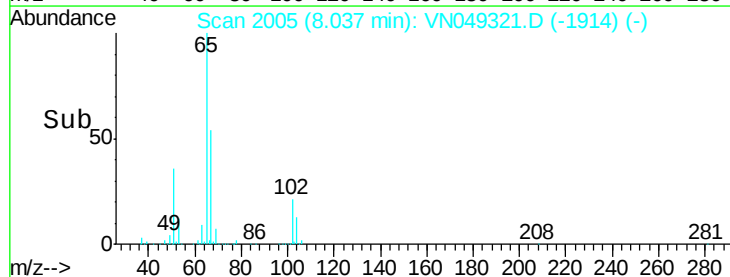
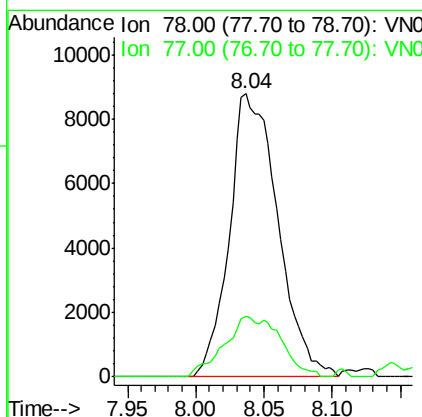
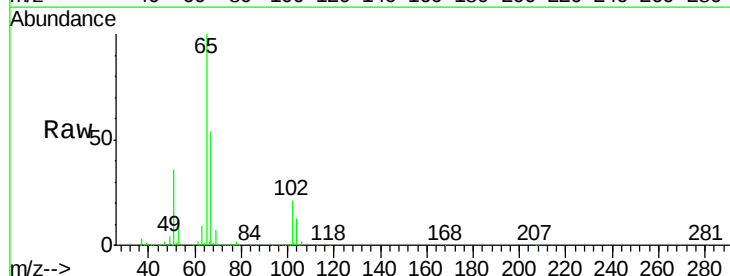
Instrument :
MSVOA_N
ClientSampleId :

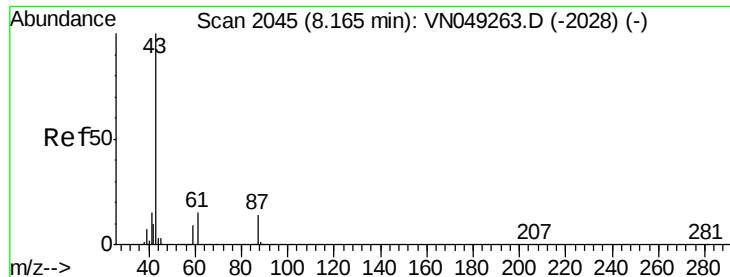
Tot Ion: 83 Resp: 28207
Ion Ratio Lower Upper
83 100
55 71.2 65.1 97.7
98 35.0 36.5 54.7#



#40
Benzene
Concen: 0.23 ug/l
RT: 8.04 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Tgt Ion: 78 Resp: 21710
Ion Ratio Lower Upper
78 100
77 21.5 19.4 29.0





#43

Isopropyl Acetate

Concen: 9.44 ug/l

RT: 8.25 min Scan# 2072

Delta R.T. 0.09 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

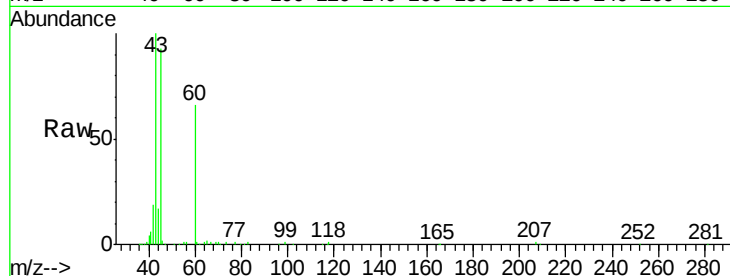
Tot Ion: 43 Resp: 303369

Ion Ratio Lower Upper

43 100

61 0.2 14.2 21.4#

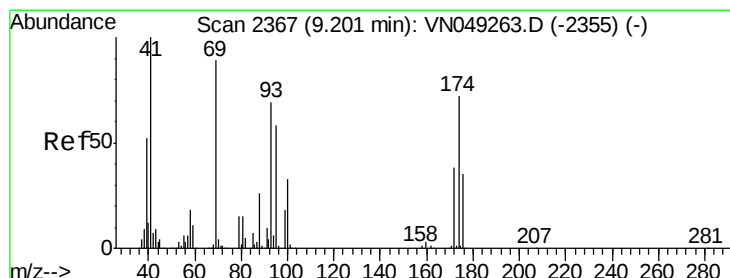
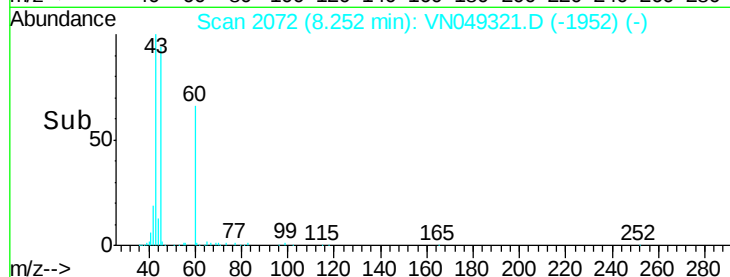
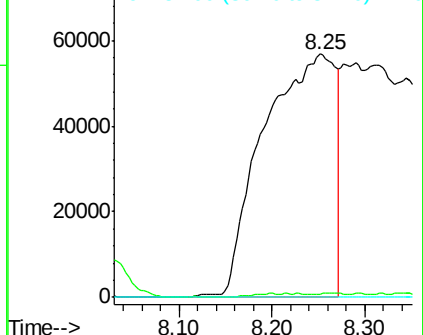
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 0.97 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.12 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

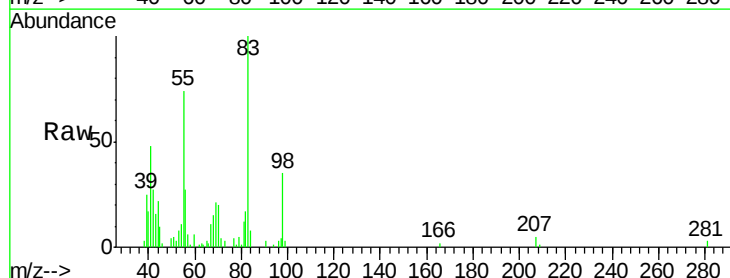
Tgt Ion: 41 Resp: 14745

Ion Ratio Lower Upper

41 100

69 56.9 62.0 93.0#

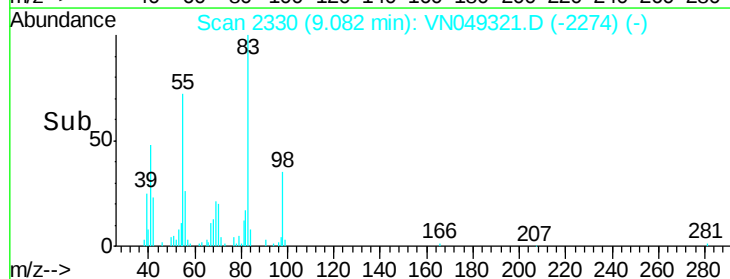
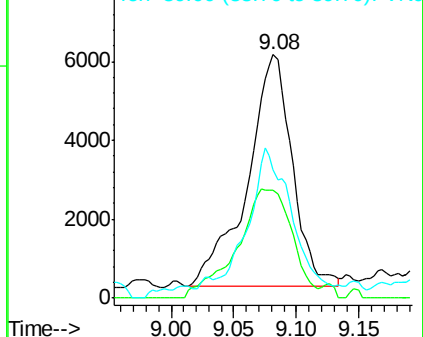
39 56.2 50.6 75.8

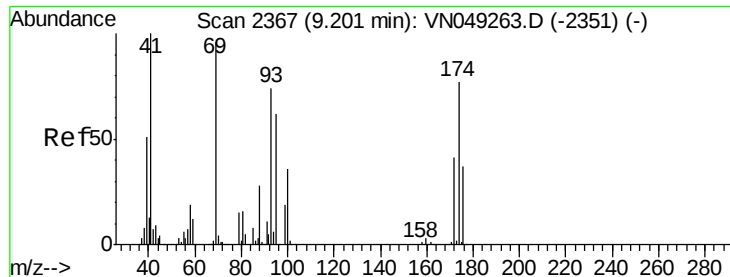


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

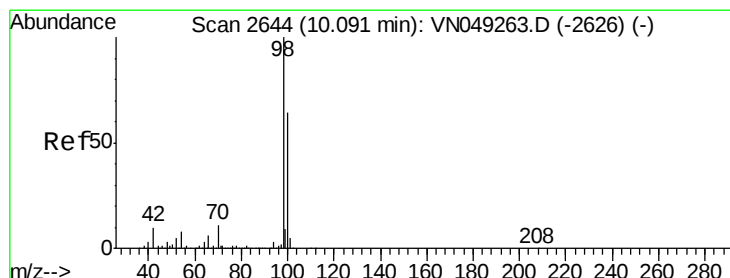
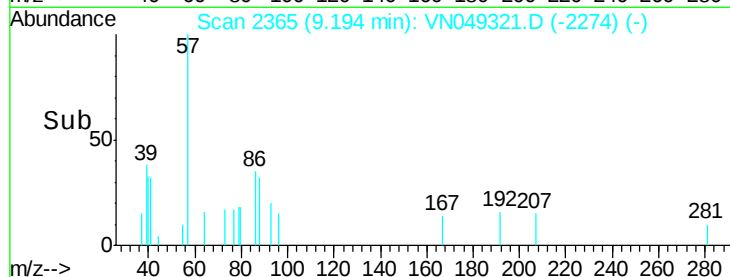
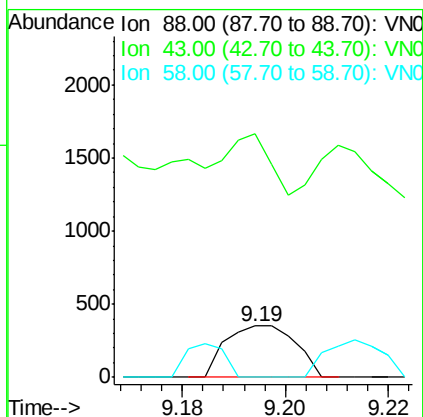
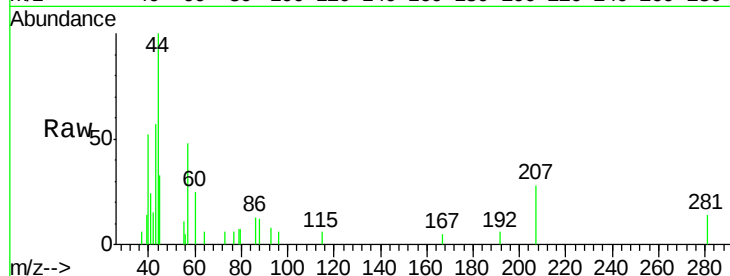




#49
1,4-Dioxane
Concen: 1.58 ug/l
RT: 9.19 min Scan# 2365
Delta R.T. -0.01 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

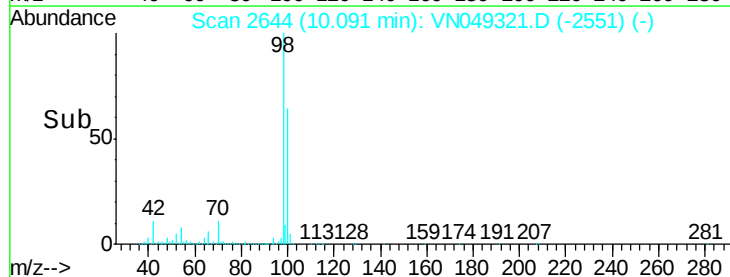
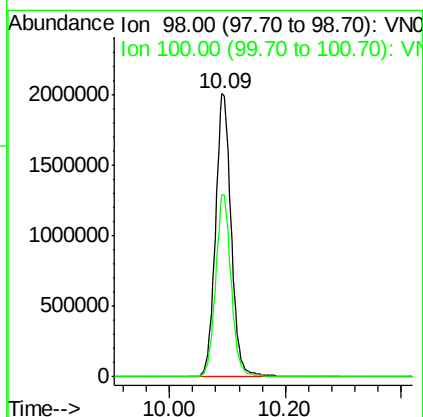
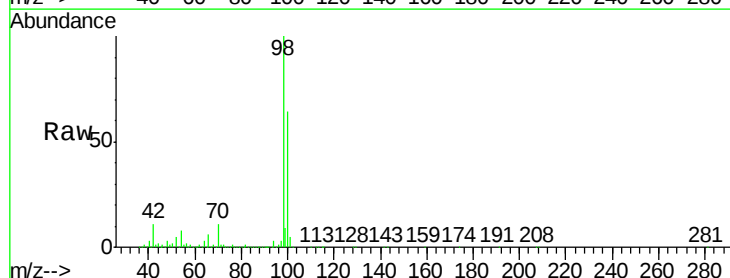
Instrument :
MSVOA_N
ClientSampleId :

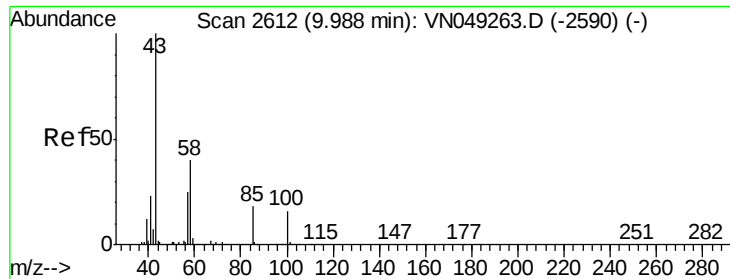
Tot Ion: 88 Resp: 330
Ion Ratio Lower Upper
88 100
43 93.3 30.9 46.3#
58 36.1 58.9 88.3#



#50
Toluene-d8
Concen: 45.54 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Tgt Ion: 98 Resp: 3787995
Ion Ratio Lower Upper
98 100
100 63.7 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 0.37 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

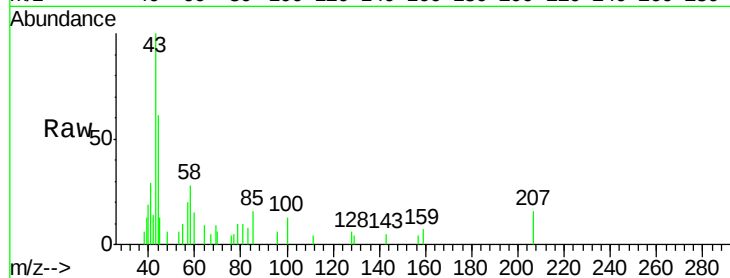
ClientSampled :

Tot Ion: 43 Resp: 6276

Ion Ratio Lower Upper

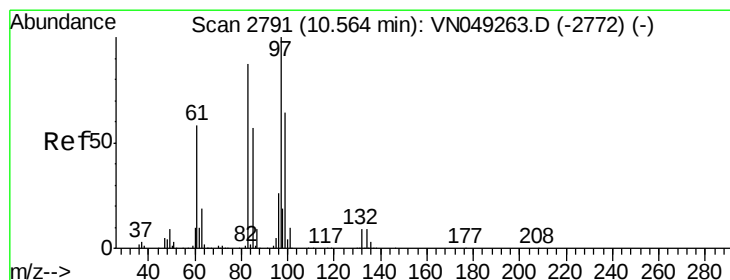
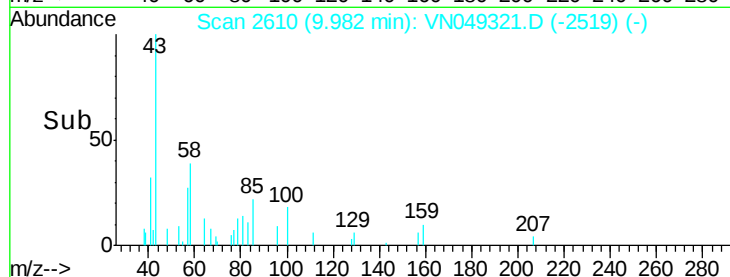
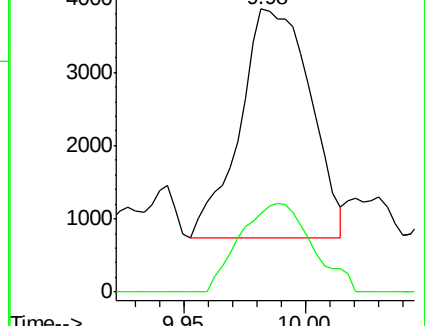
43 100

58 39.6 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#55

1,1,2-Trichloroethane

Concen: 0.63 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Tgt Ion: 97 Resp: 13068

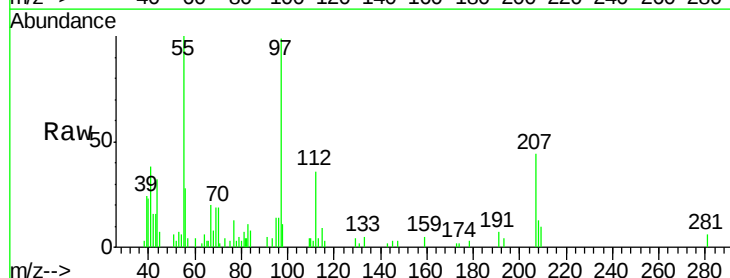
Ion Ratio Lower Upper

97 100

83 11.5 71.5 107.3#

85 0.0 47.0 70.4#

99 0.0 51.4 77.2#

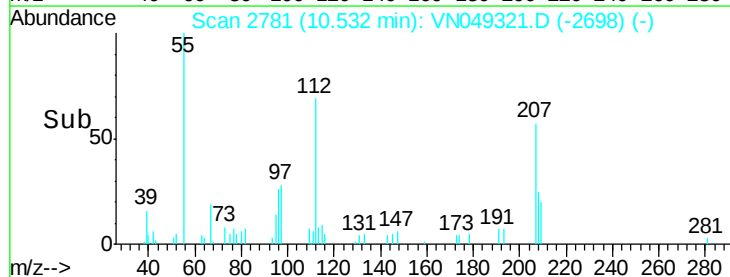
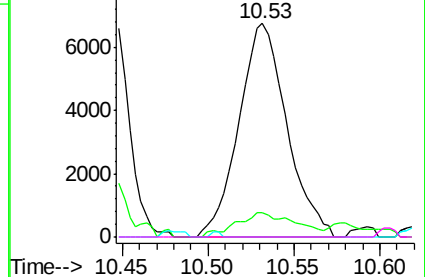


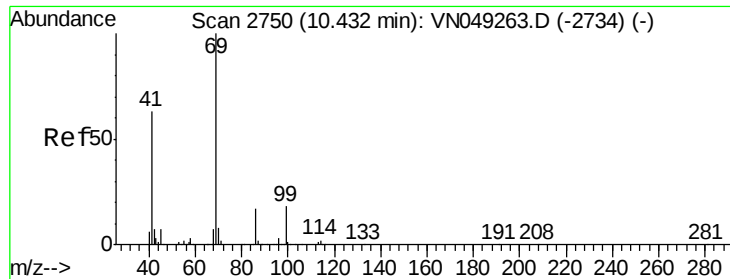
Abundance Ion 96.90 (96.60 to 97.60): VN0

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





#56

Ethyl methacrylate

Concen: 0.35 ug/l

RT: 10.44 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

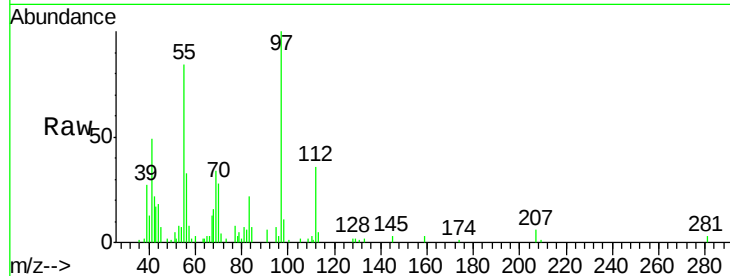
Tot Ion: 69 Resp: 8386

Ion Ratio Lower Upper

69 100

41 128.9 58.4 87.6#

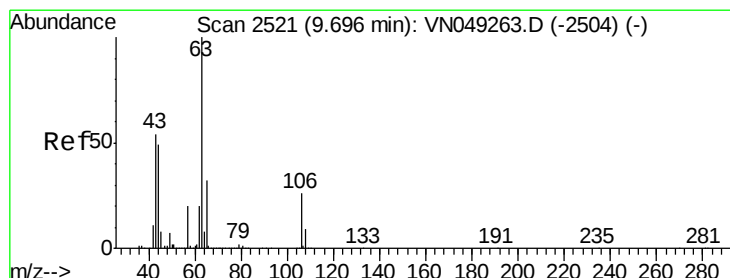
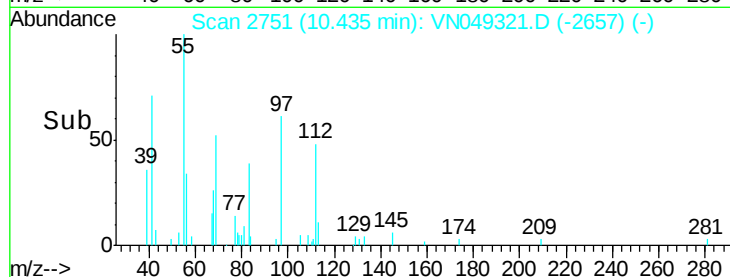
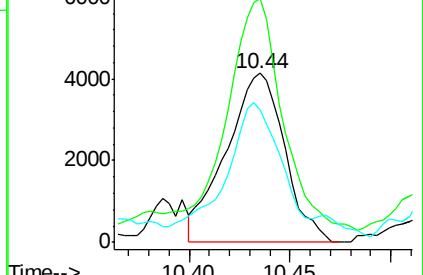
39 61.6 35.5 53.3#



Abundance Ion 69.00 (68.70 to 69.70): VN049321.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049321.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049321.D (-2657) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 14.33 ug/l

RT: 9.72 min Scan# 2530

Delta R.T. 0.03 min

Lab File: VN049321.D

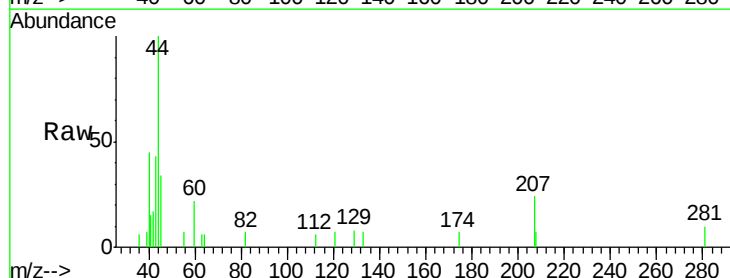
Acq: 16 Jun 2018 20:20

Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

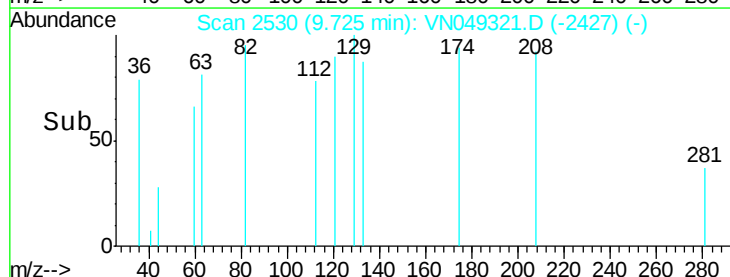
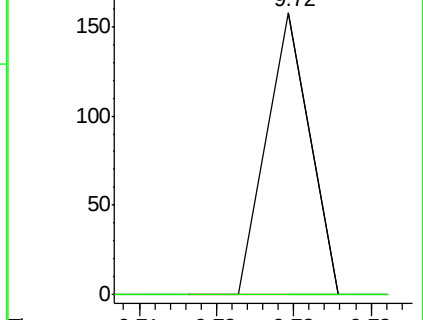
63 100

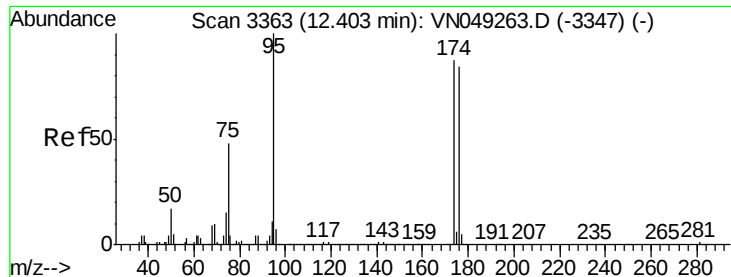
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049321.D (-2427) (-)

Ion 105.90 (105.60 to 106.60): VN049321.D (-2427) (-)

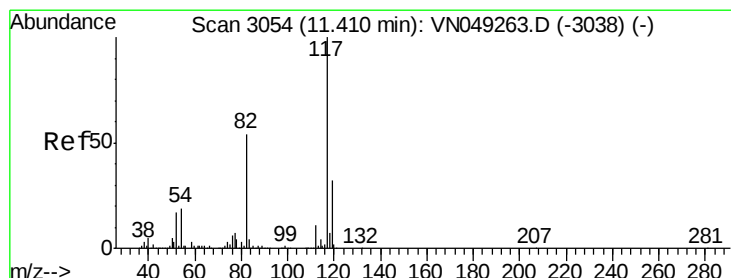
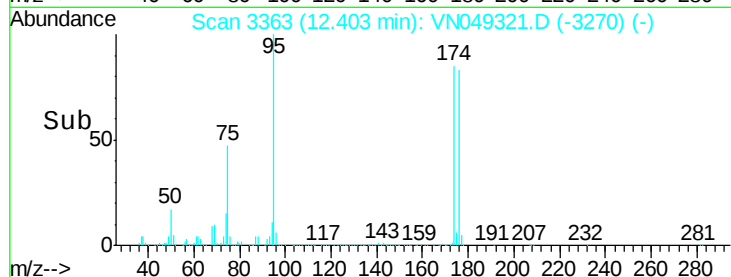
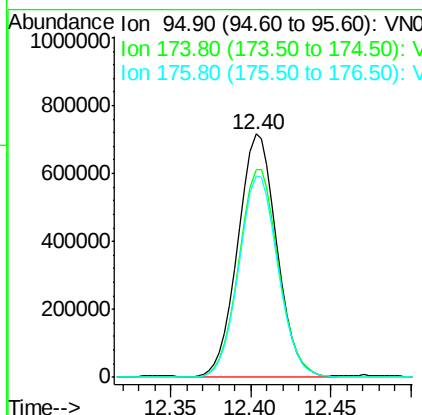
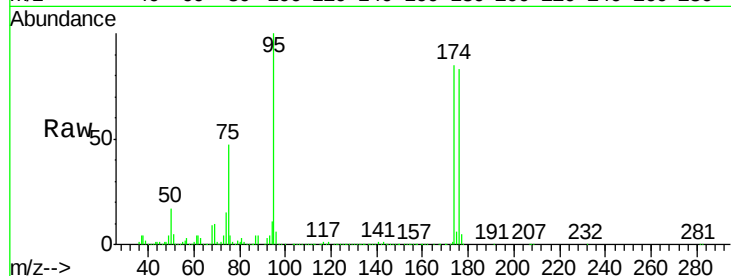




#62
4-Bromofluorobenzene
Concen: 42.97 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

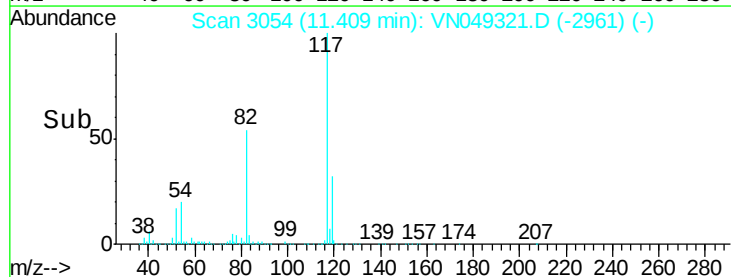
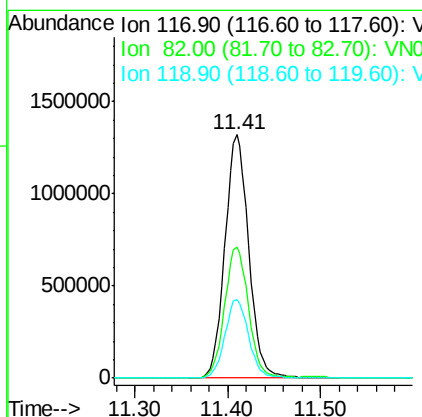
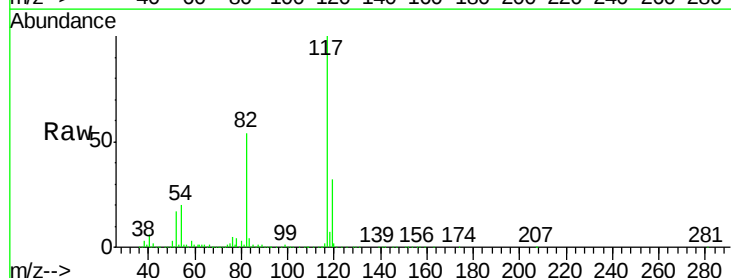
Instrument :
MSVOA_N
ClientSampled :

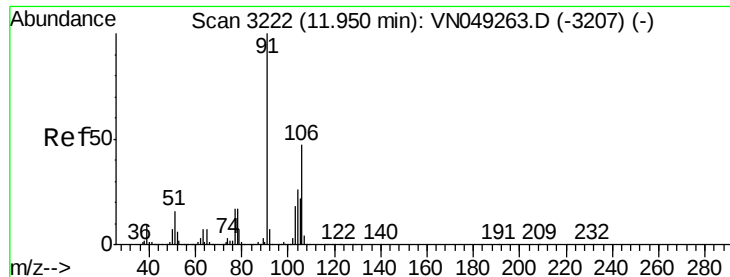
Tot Ion: 95 Resp: 1181688
Ion Ratio Lower Upper
95 100
174 87.1 0.0 165.6
176 84.0 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Tgt Ion: 117 Resp: 2347261
Ion Ratio Lower Upper
117 100
82 53.8 45.9 68.9
119 32.4 25.5 38.3

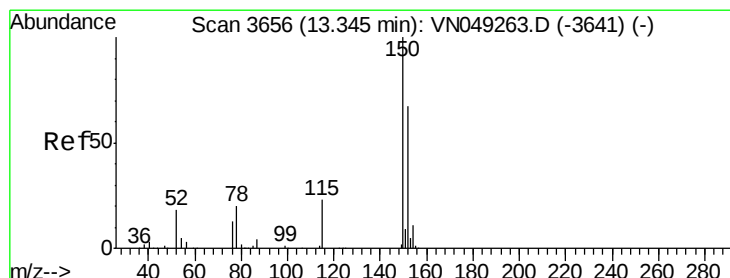
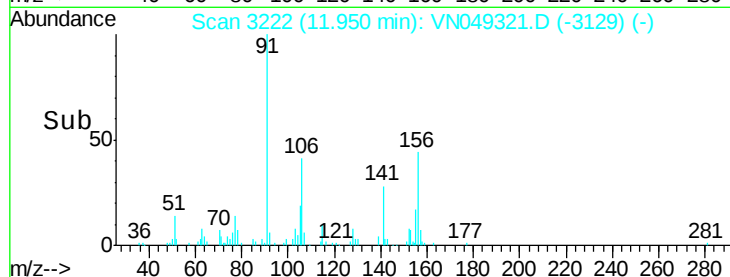
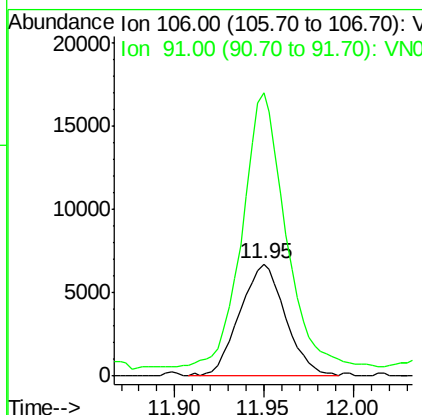
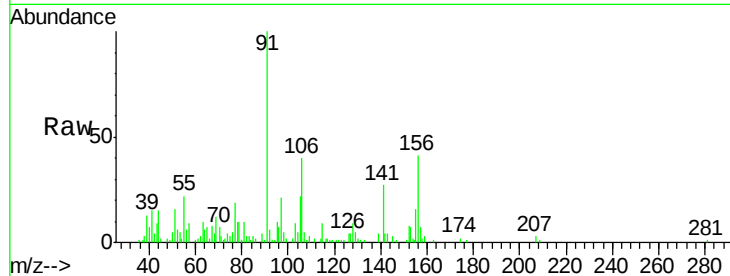




#69
o-Xylene
Concen: 0.33 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

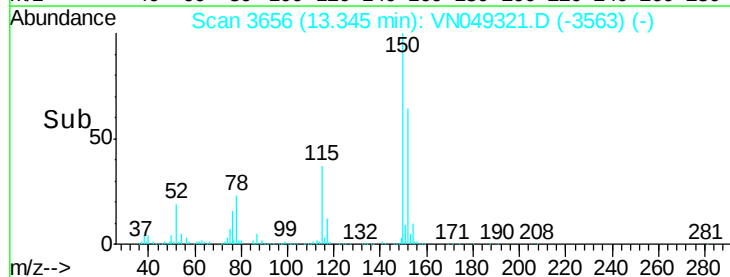
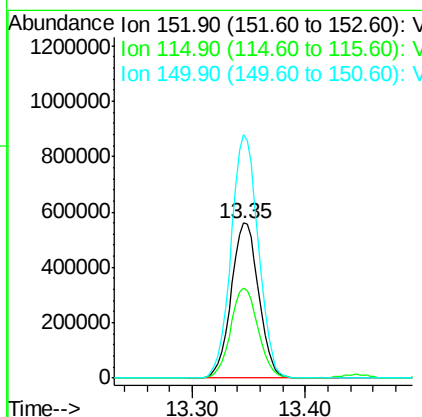
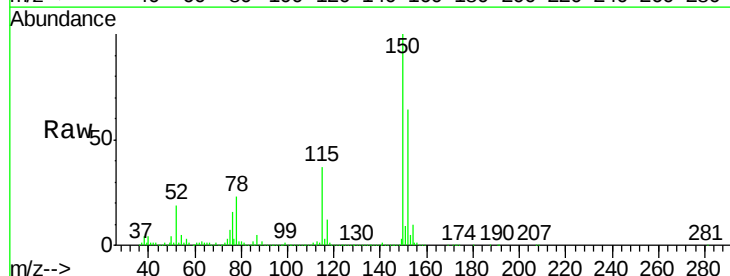
Instrument :
MSVOA_N
ClientSampled :

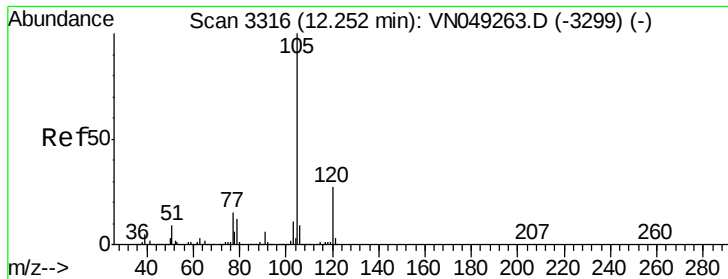
Tot Ion:106 Resp: 12027
Ion Ratio Lower Upper
106 100
91 231.0 111.0 333.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049321.D
Acq: 16 Jun 2018 20:20

Tgt Ion:152 Resp: 943140
Ion Ratio Lower Upper
152 100
115 57.8 28.7 86.1
150 155.3 0.0 351.0





#73

Isopropylbenzene

Concen: 2.19 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

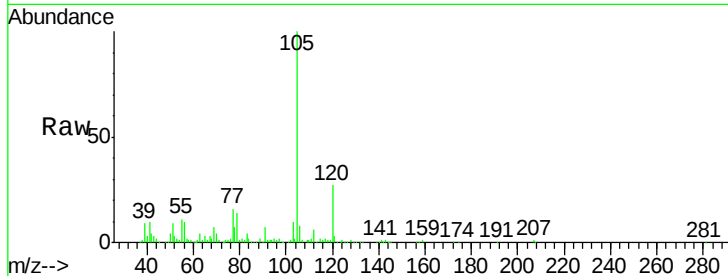
ClientSampleId :

Tot Ion: 105 Resp: 181209

Ion Ratio Lower Upper

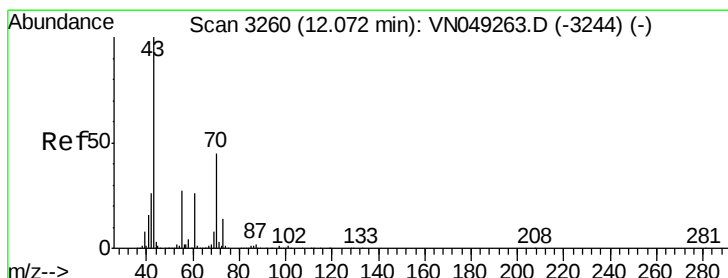
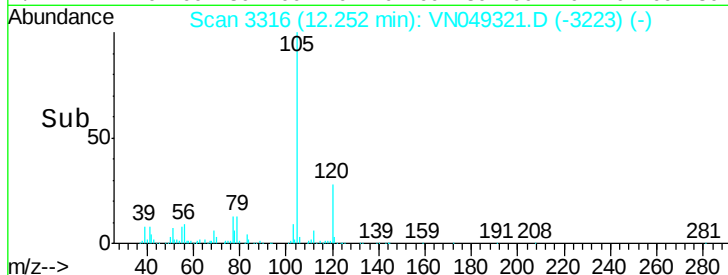
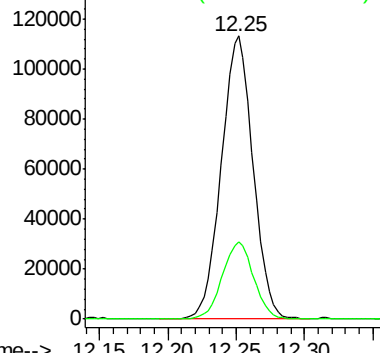
105 100

120 27.1 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: 0.21 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Tgt Ion: 43 Resp: 4299

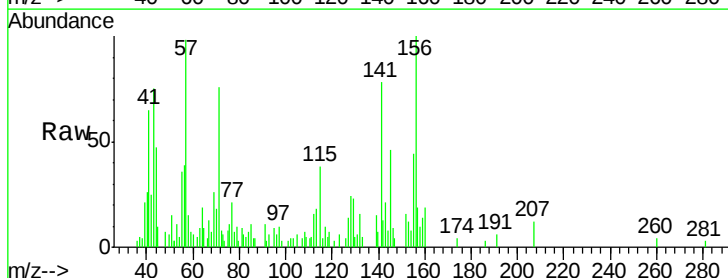
Ion Ratio Lower Upper

43 100

70 15.4 30.3 45.5#

55 0.0 19.4 29.2#

61 3.3 17.8 26.6#

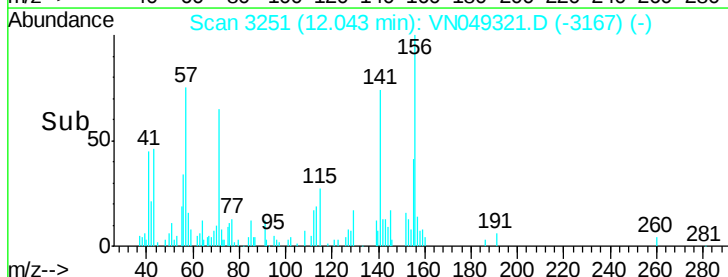
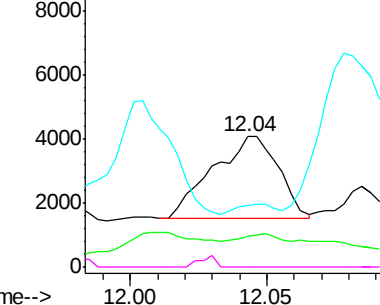


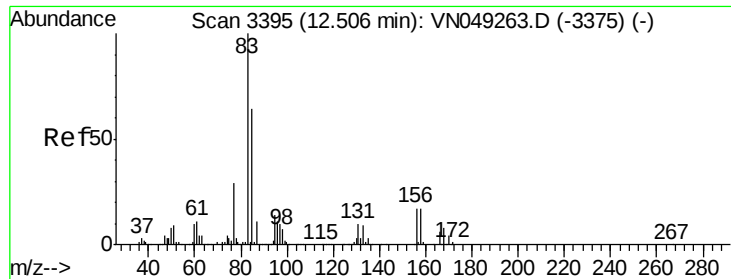
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3384

Delta R.T. -0.03 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

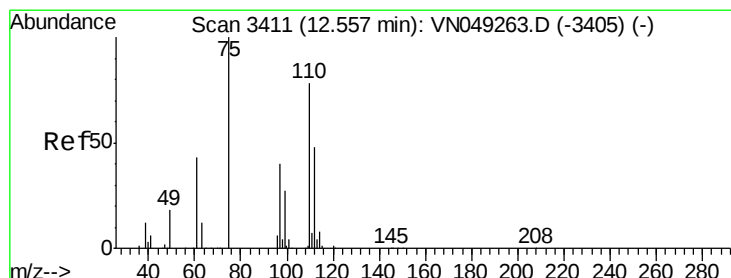
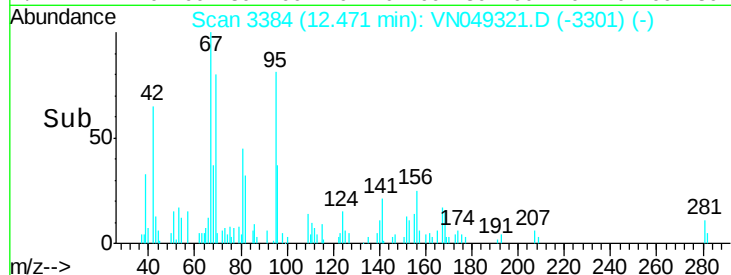
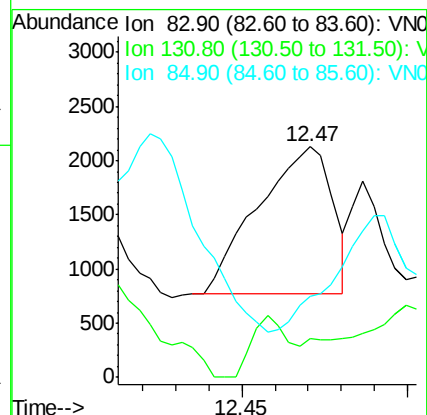
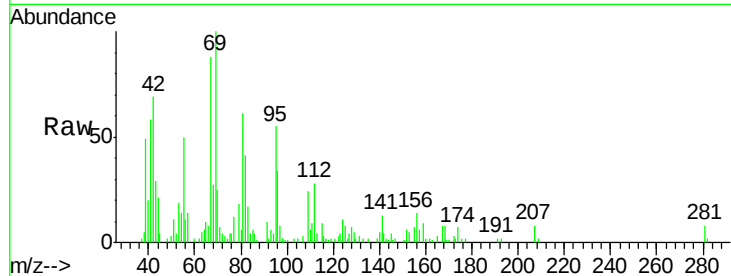
Tot Ion: 83 Resp: 2126

Ion Ratio Lower Upper

83 100

131 21.1 5.0 15.0#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 35.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049321.D

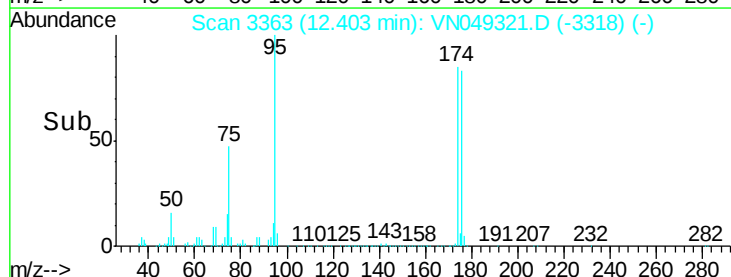
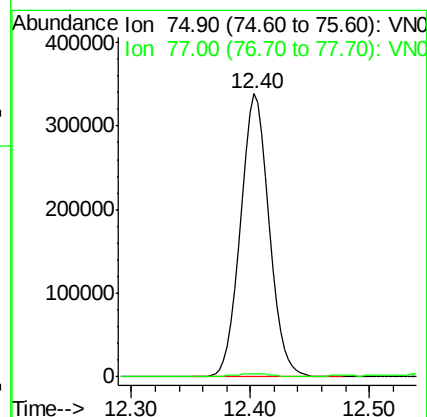
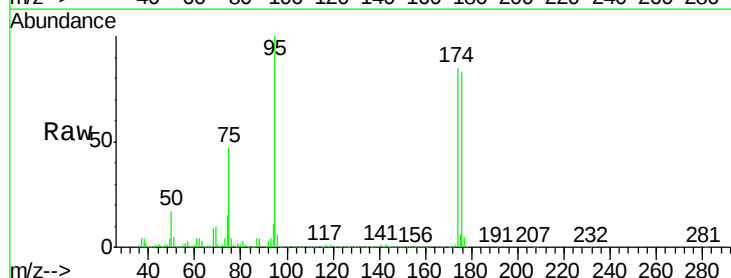
Acq: 16 Jun 2018 20:20

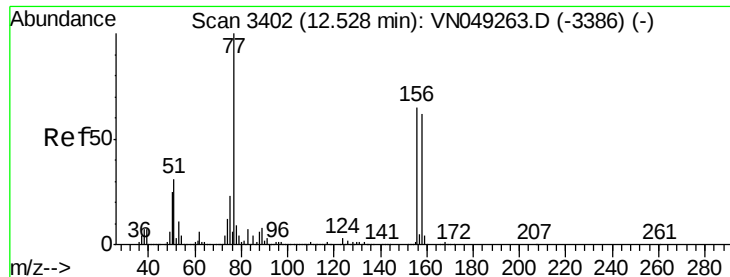
Tgt Ion: 75 Resp: 565370

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#77

Bromobenzene

Concen: 3.83 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.04 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

ClientSampleId :

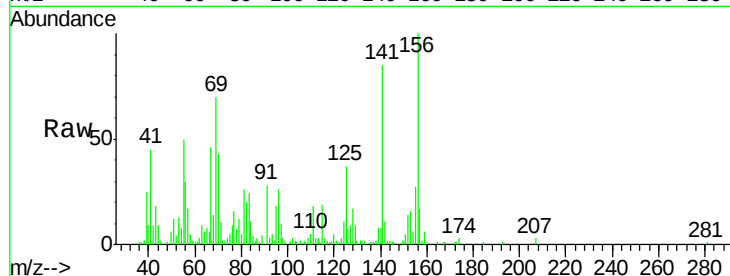
Tot Ion:156 Resp: 83806

Ion Ratio Lower Upper

156 100

77 0.0 100.8 302.4#

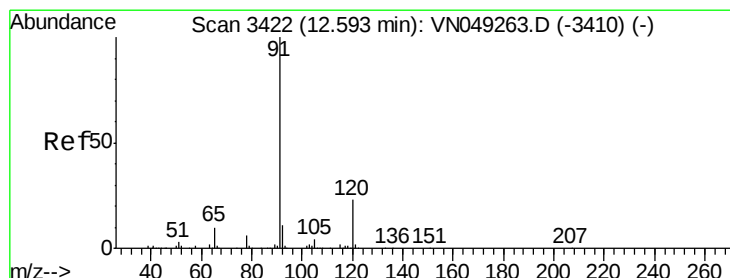
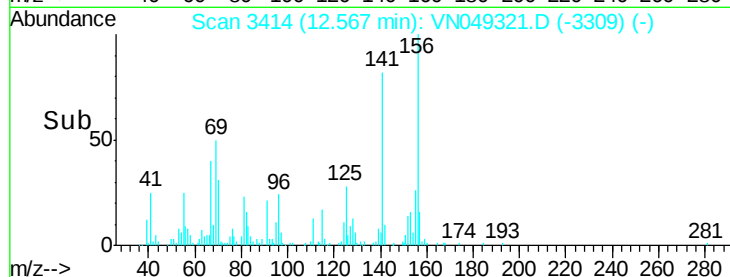
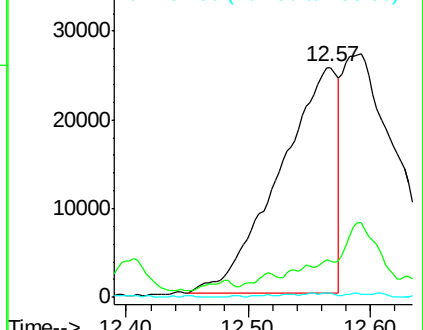
158 0.2 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.30 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049321.D

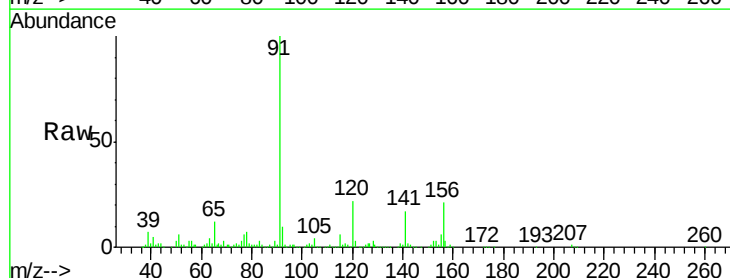
Acq: 16 Jun 2018 20:20

Tgt Ion: 91 Resp: 209159

Ion Ratio Lower Upper

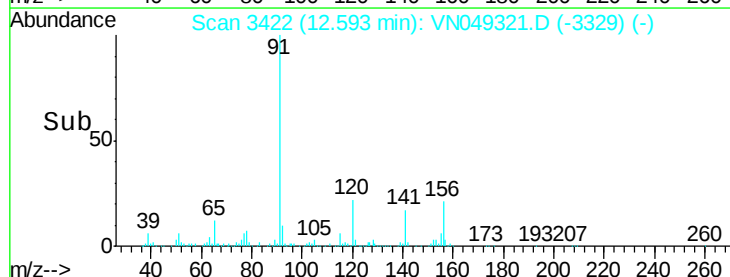
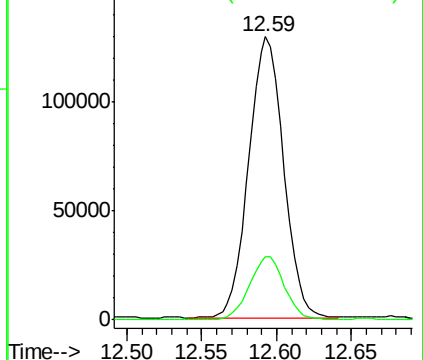
91 100

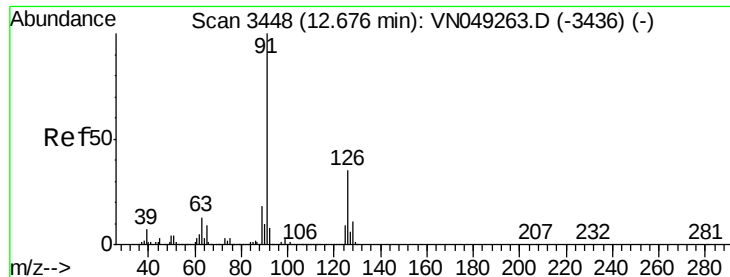
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.63 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

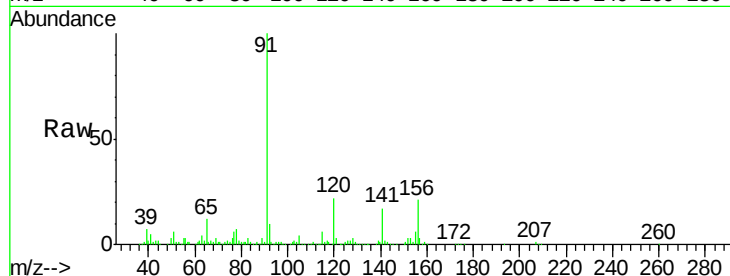
ClientSampleId :

Tot Ion: 91 Resp: 209159

Ion Ratio Lower Upper

91 100

126 1.8 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

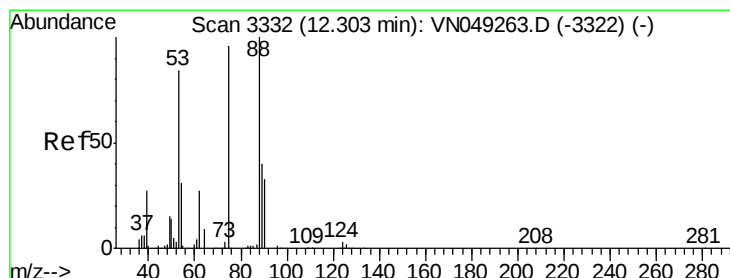
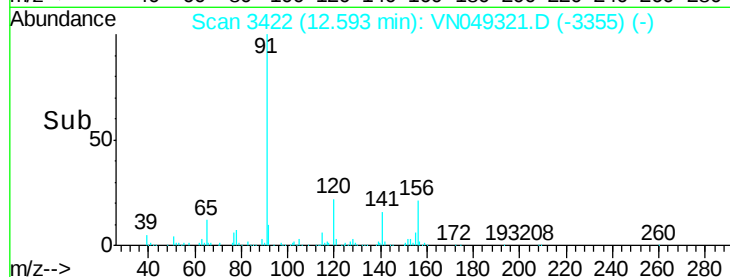
150000

100000

50000

0

Time--> 12.50 12.55 12.60 12.65



#81

trans-1,4-Dichloro-2-butene

Concen: 111.04 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

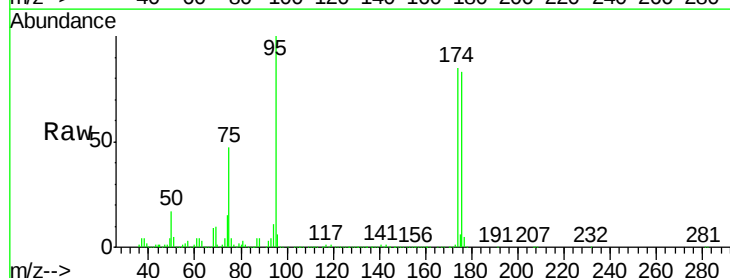
Tgt Ion: 75 Resp: 565370

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

400000

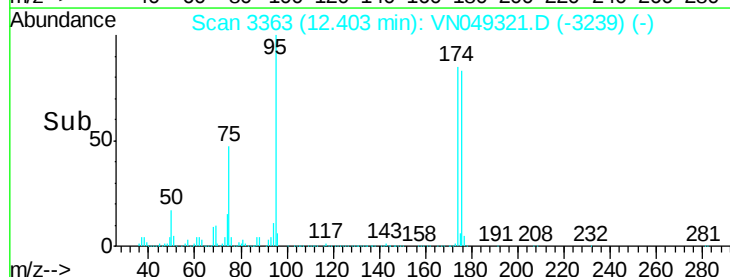
300000

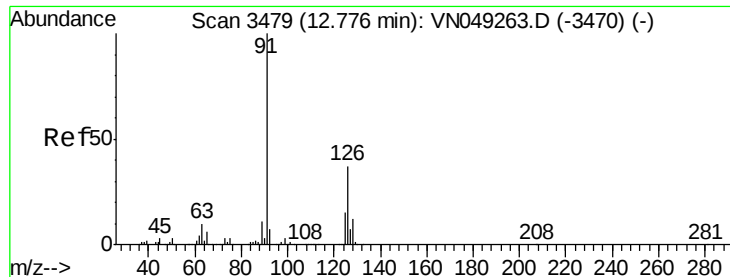
200000

100000

0

Time--> 12.30 12.40 12.50





#82

4-Chlorotoluene

Concen: 3.76 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

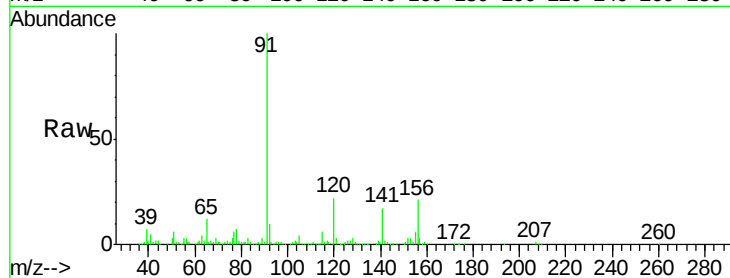
ClientSampleId :

Tot Ion: 91 Resp: 209159

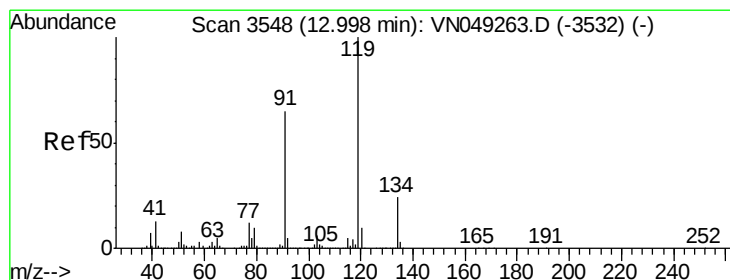
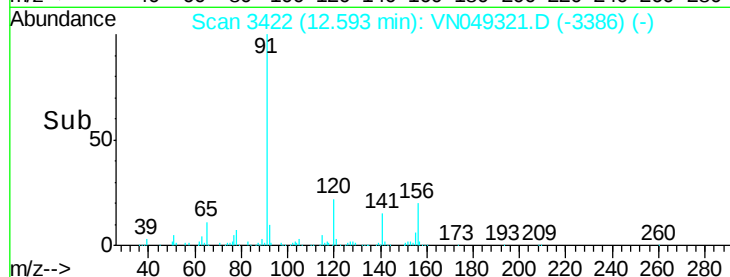
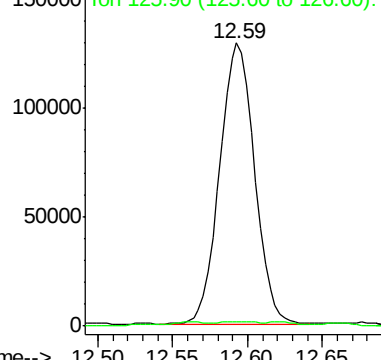
Ion Ratio Lower Upper

91 100

126 1.8 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN049321.D (-3422) (-)



#83

tert-Butylbenzene

Concen: 0.97 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

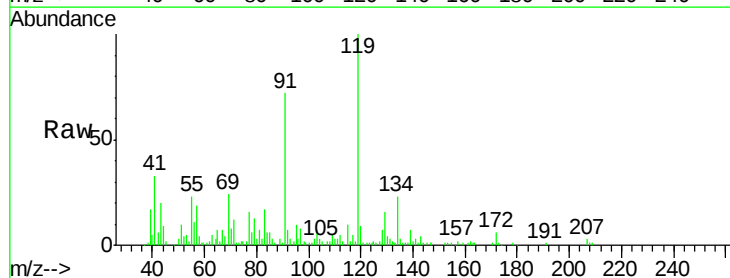
Tgt Ion: 119 Resp: 56109

Ion Ratio Lower Upper

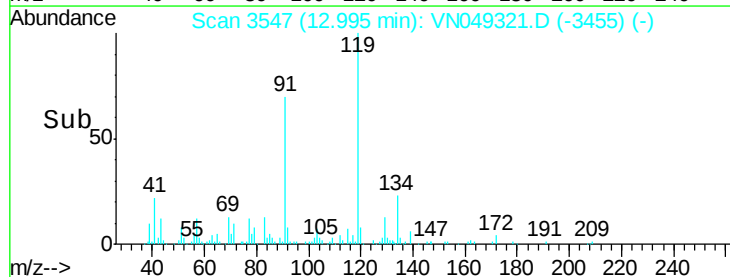
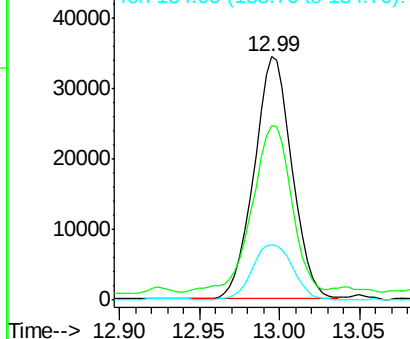
119 100

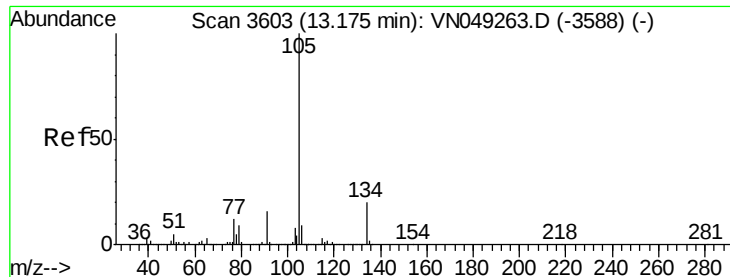
91 71.2 33.7 101.0

134 24.7 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): VN049321.D (-3547) (-)





#85

sec-Butylbenzene

Concen: 2.89 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

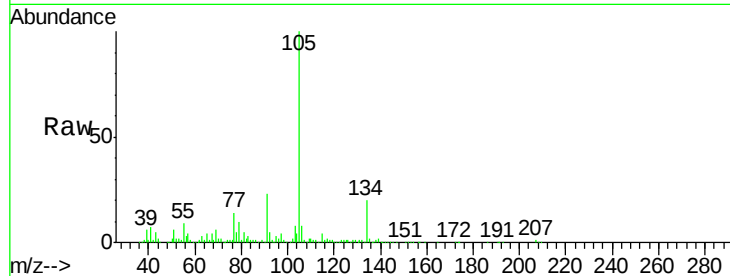
ClientSampleId :

Tot Ion:105 Resp: 221800

Ion Ratio Lower Upper

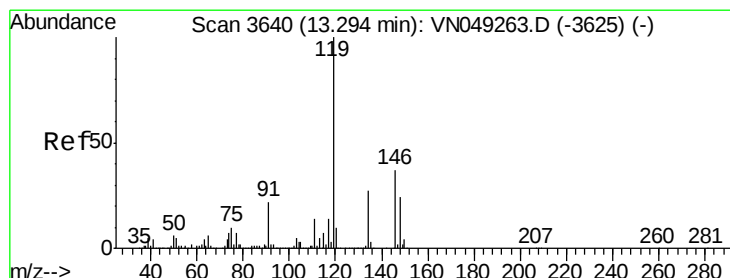
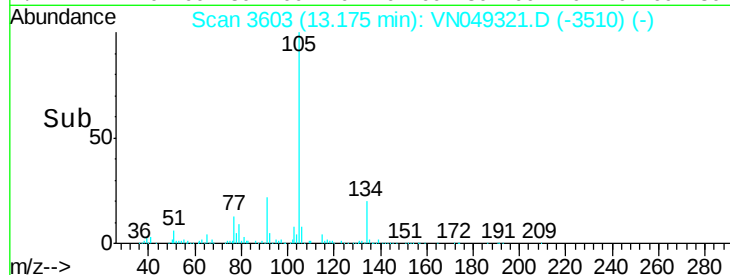
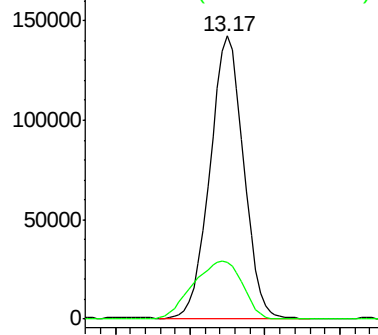
105 100

134 30.5 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: 3.65 ug/l

RT: 13.44 min Scan# 3687

Delta R.T. 0.15 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

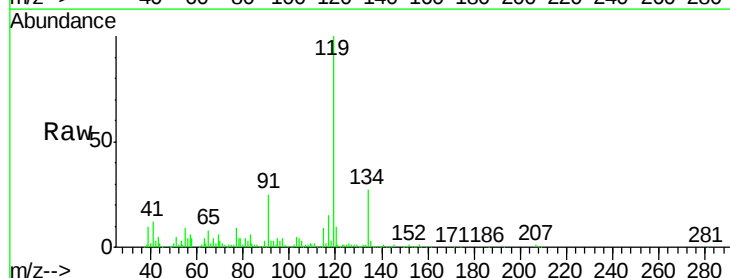
Tgt Ion:119 Resp: 233800

Ion Ratio Lower Upper

119 100

134 27.9 12.9 38.6

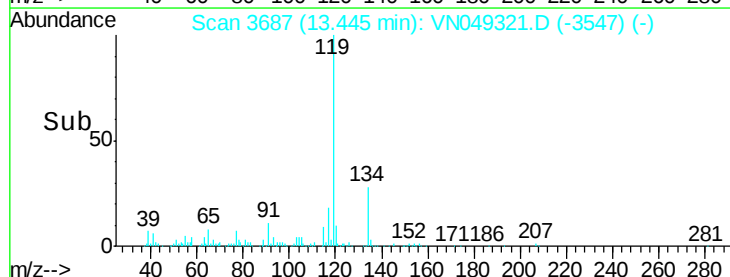
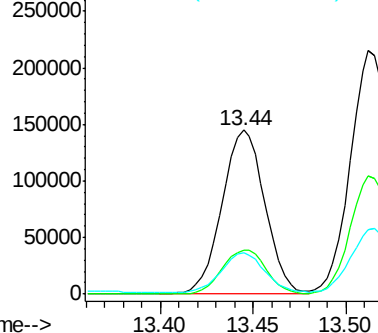
91 24.7 12.1 36.3

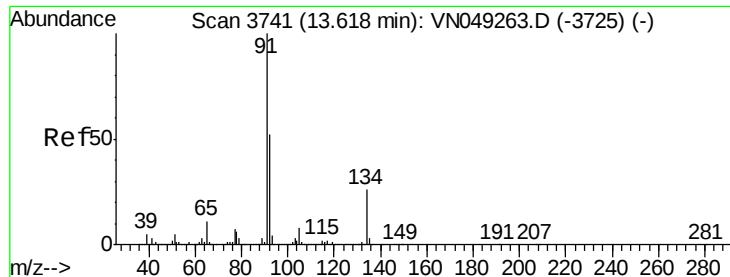


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 1.14 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

ClientSampled :

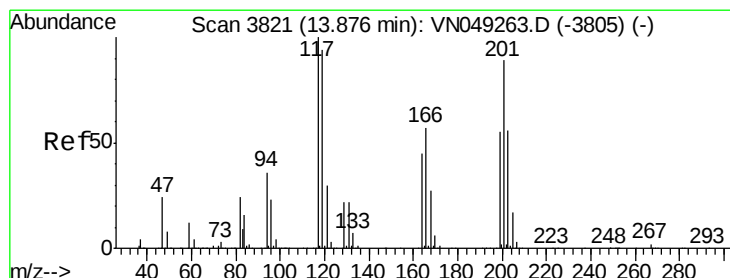
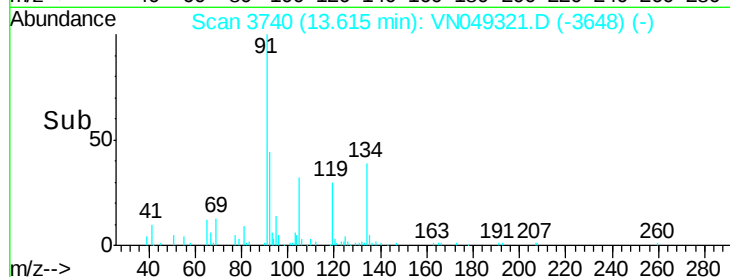
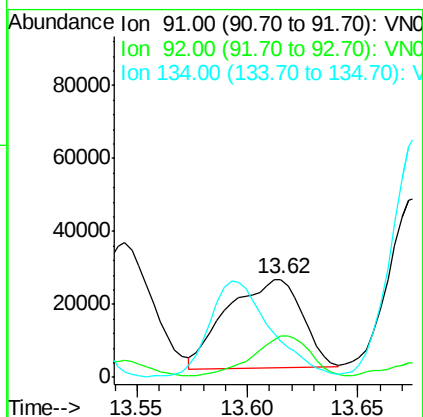
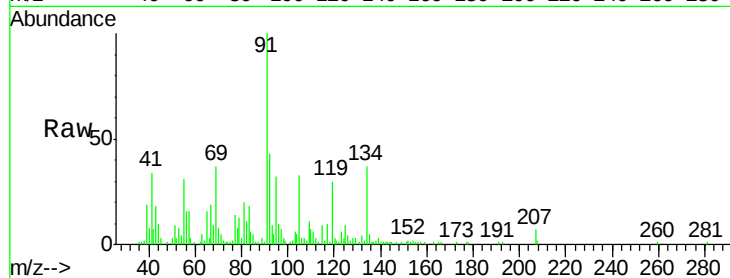
Tot Ion: 91 Resp: 56943

Ion Ratio Lower Upper

91 100

92 36.5 25.1 75.4

134 0.0 12.0 36.0#



#90

Hexachloroethane

Concen: 8.92 ug/l

RT: 13.95 min Scan# 3844

Delta R.T. 0.07 min

Lab File: VN049321.D

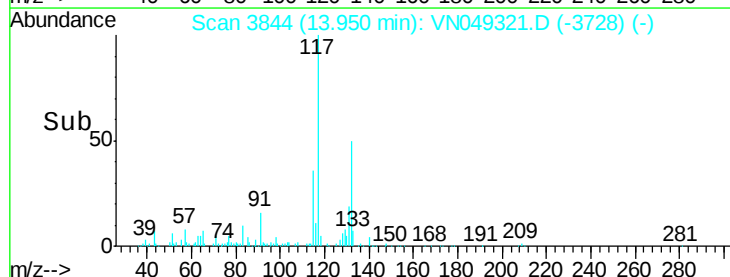
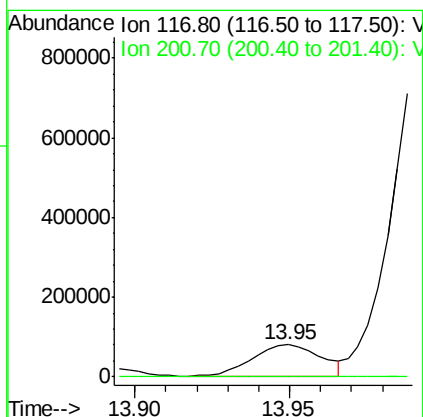
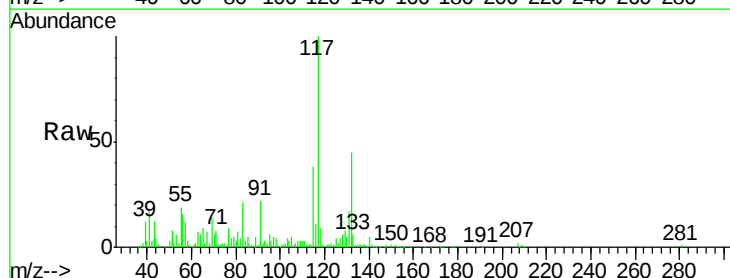
Acq: 16 Jun 2018 20:20

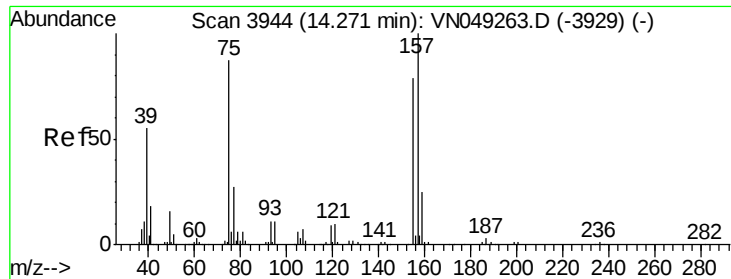
Tgt Ion: 117 Resp: 125112

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#

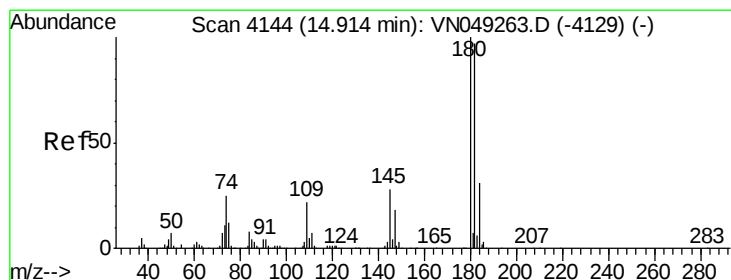
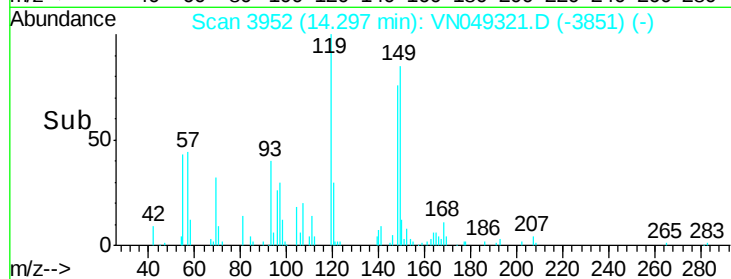
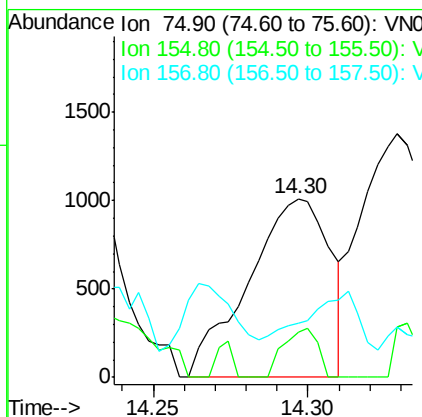
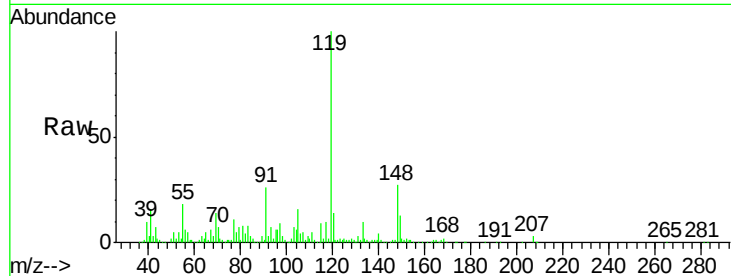




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.64 ug/l
 RT: 14.30 min Scan# 3952
 Delta R.T. 0.03 min
 Lab File: VN049321.D
 Acq: 16 Jun 2018 20:20

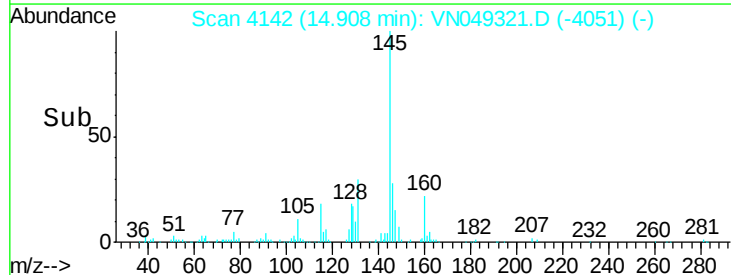
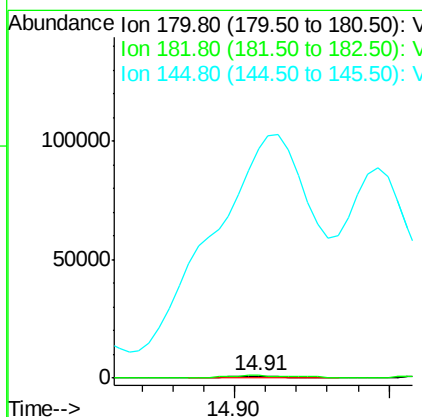
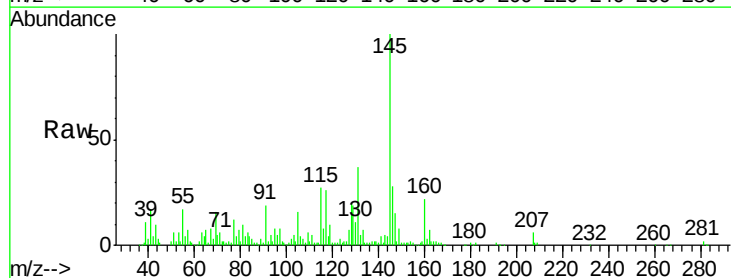
Instrument :
 MSVOA_N
 ClientSampled :

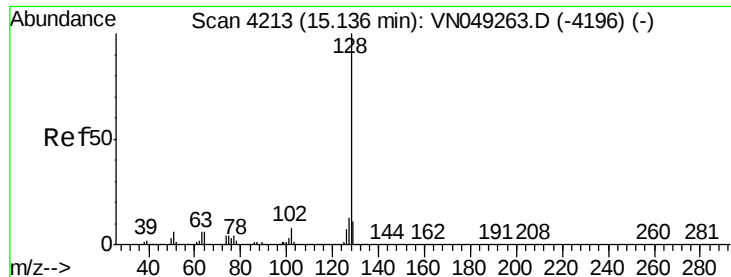
Tot Ion: 75 Resp: 1854
 Ion Ratio Lower Upper
 75 100
 155 11.4 38.8 116.3#
 157 20.2 51.0 153.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.81 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.01 min
 Lab File: VN049321.D
 Acq: 16 Jun 2018 20:20

Tgt Ion:180 Resp: 1155
 Ion Ratio Lower Upper
 180 100
 182 185.9 46.9 140.8#
 145 19793.4 14.7 44.1#





#95

Naphthalene

Concen: 2.36 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. -0.03 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Instrument :

MSVOA_N

ClientSampled :

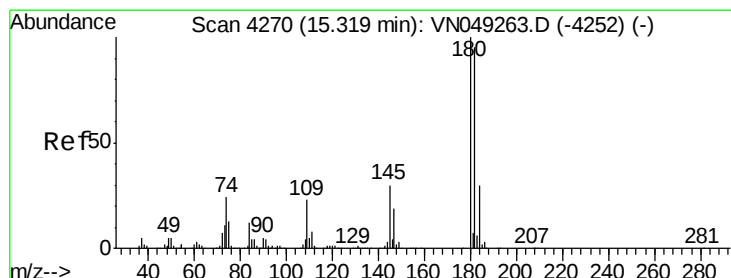
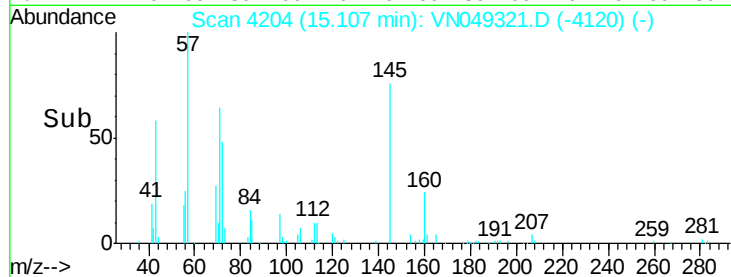
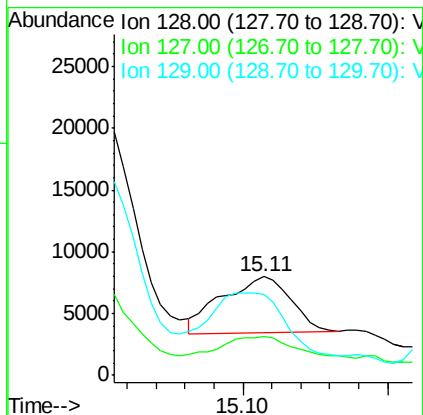
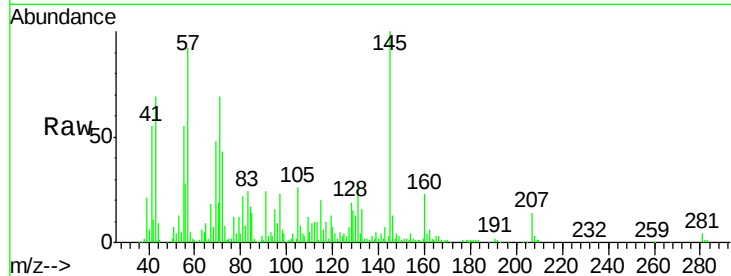
Tot Ion:128 Resp: 7457

Ion Ratio Lower Upper

128 100

127 40.6 10.6 16.0#

129 158.1 8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 3.49 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049321.D

Acq: 16 Jun 2018 20:20

Tgt Ion:180 Resp: 611

Ion Ratio Lower Upper

180 100

182 192.0 47.3 141.8#

145 0.0 15.6 46.7#

