

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049319.D
 Acq On : 16 Jun 2018 19:29
 Operator : MD\SY
 Sample : J3564-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:21:08 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	1579076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2493438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2137257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	894178	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	1032167	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
35) Dibromofluoromethane	7.59	113	922878	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
50) Toluene-d8	10.09	98	3477896	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
62) 4-Bromofluorobenzene	12.40	95	1061386	41.79	ug/l	0.00
Spiked Amount			Recovery	=	83.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	5933	0.25	ug/l #	84
5) Bromomethane	2.58	94	3923	0.30	ug/l	88
6) Chloroethane	2.88	64	4204	0.28	ug/l #	43
11) Tert butyl alcohol	4.79	59	941	0.77	ug/l #	13
16) Acetone	3.82	43	17192	3.38	ug/l	96
17) Carbon Disulfide	4.05	76	15794	0.28	ug/l	98
18) Methyl Acetate	4.33	43	32535	2.10	ug/l	99
25) 2-Butanone	6.85	43	4157	0.61	ug/l	94
31) Cyclohexane	7.66	56	41224	1.16	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	106648	3.73	ug/l #	51
38) Carbon Tetrachloride	7.67	117	140550	4.75	ug/l #	18
39) Methylcyclohexane	9.08	83	34469	1.12	ug/l	93
43) Isopropyl Acetate	8.26	43	211959	7.14	ug/l #	64
49) 1,4-Dioxane	9.20	88	459	2.38	ug/l #	85
55) 1,1,2-Trichloroethane	10.53	97	16946	0.88	ug/l #	20
56) Ethyl methacrylate	10.44	69	9785	0.44	ug/l #	57
58) 2-Chloroethyl Vinyl ether	9.68	63	69	14.33	ug/l #	51
59) 2-Hexanone	10.72	43	9312	0.93	ug/l #	28
69) o-Xylene	11.95	106	7381	0.22	ug/l	90
73) Isopropylbenzene	12.25	105	207499	2.64	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	219	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	517845	33.94	ug/l #	100
77) Bromobenzene	12.57	156	240602	11.60	ug/l #	1
78) n-propylbenzene	12.59	91	359018	4.16	ug/l	99
79) 2-Chlorotoluene	12.59	91	359162	6.58	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.89	105	35009	0.57	ug/l	82
81) trans-1,4-Dichloro-2-buten	12.40	75	517845	107.27	ug/l #	8
82) 4-Chlorotoluene	12.59	91	359162	6.82	ug/l #	43
83) tert-Butylbenzene	12.99	119	51749	0.95	ug/l	98
84) 1,2,4-Trimethylbenzene	12.89	105	35009	0.57	ug/l	85
85) sec-Butylbenzene	13.17	105	311857	4.29	ug/l	84
86) p-Isopropyltoluene	13.44	119	247571	4.07	ug/l	97
89) n-Butylbenzene	13.62	91	94041	1.98	ug/l #	71
90) Hexachloroethane	13.89	117	92286	6.55	ug/l #	9

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

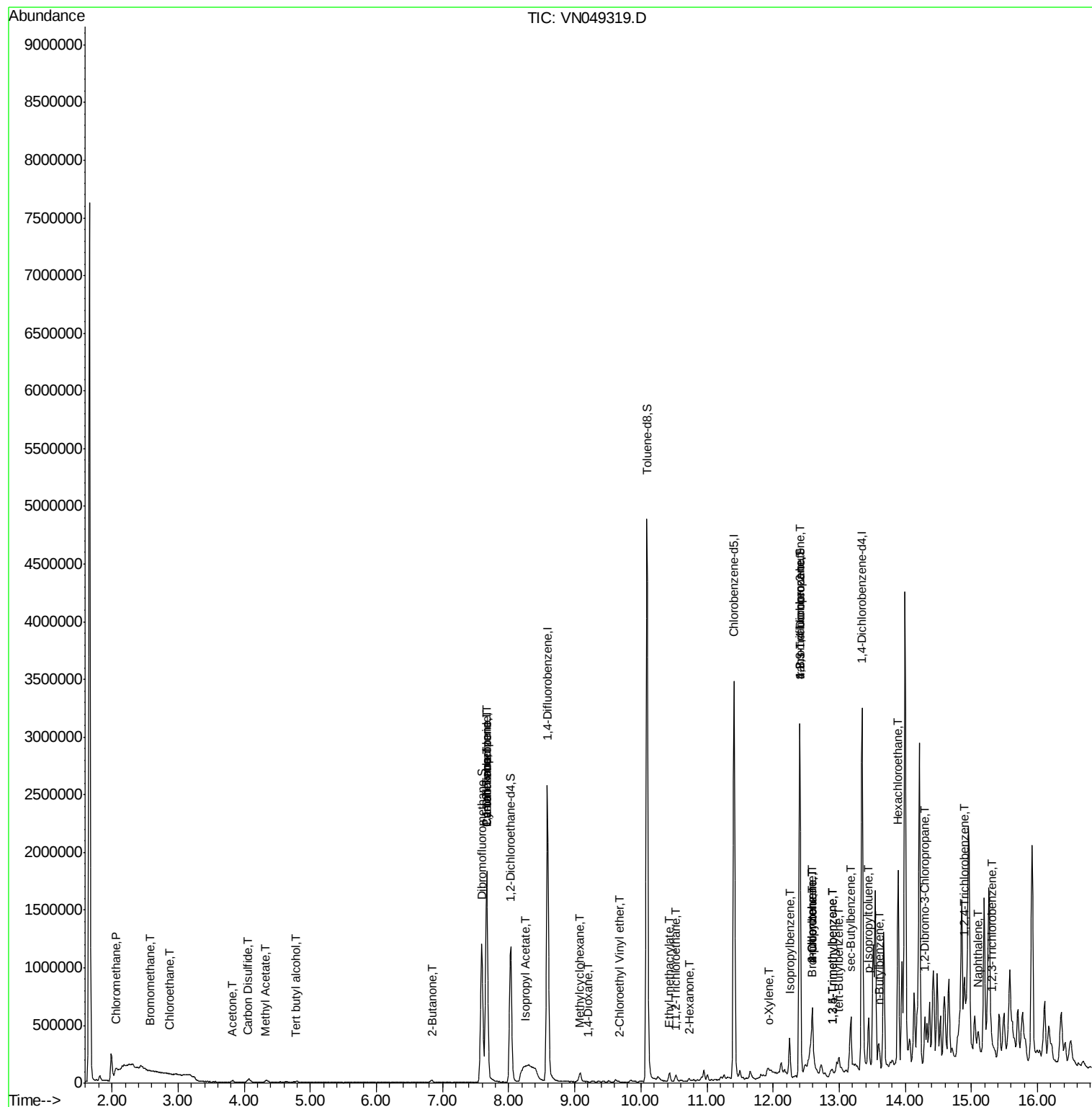
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.29	75	1249	0.46	ug/l #	27
93) 1,2,4-Trichlorobenzene	14.90	180	712	4.78	ug/l #	1
94) Hexachlorobutadiene	15.01	225	227	Below Cal	#	49
95) Naphthalene	15.10	128	7539	2.38	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.32	180	757	3.50	ug/l #	13

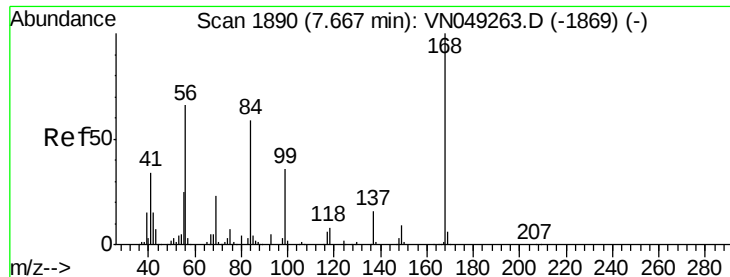
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

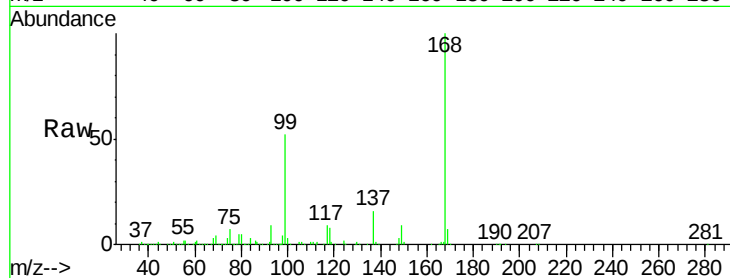
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1579076

Ion Ratio Lower Upper

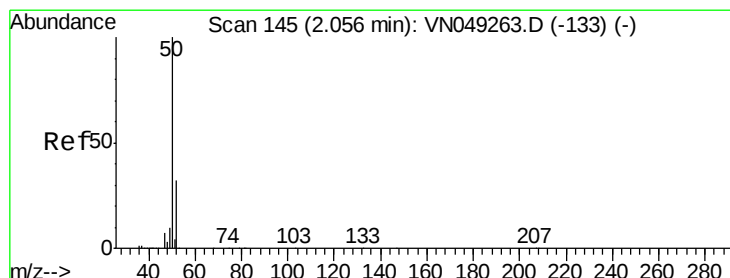
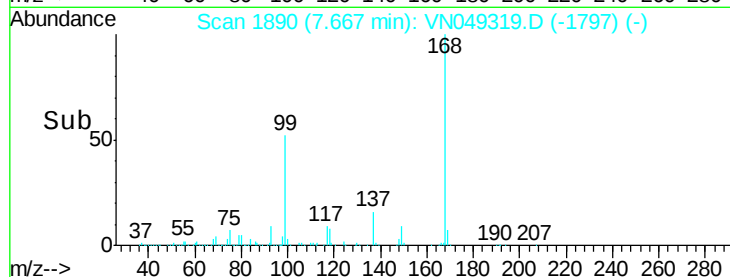
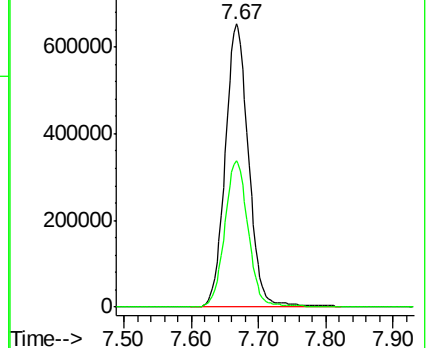
168 100

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



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049319.D

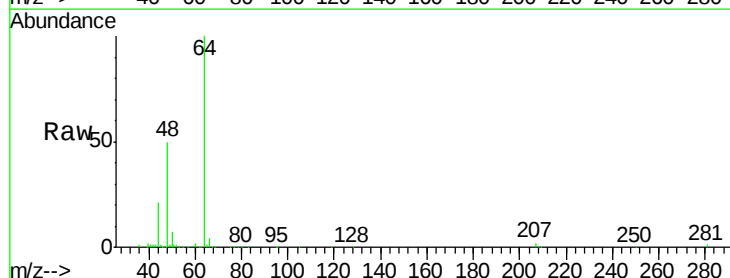
Acq: 16 Jun 2018 19:29

Tgt Ion: 50 Resp: 5933

Ion Ratio Lower Upper

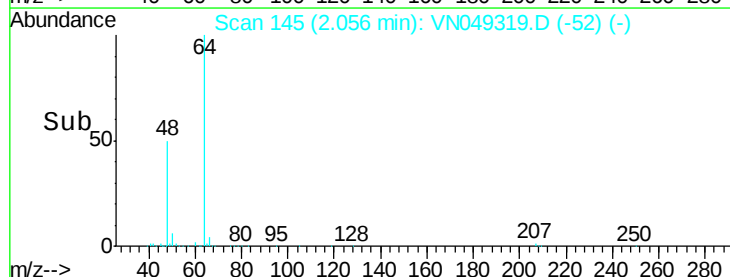
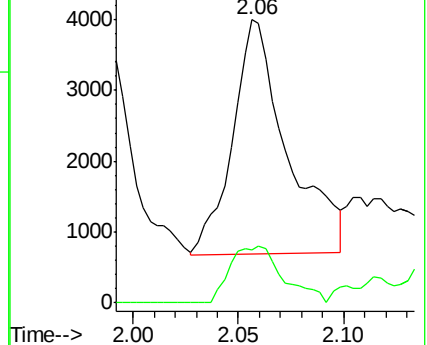
50 100

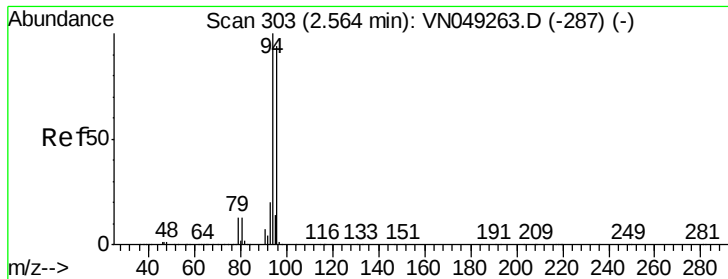
52 22.8 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Bromomethane

Concen: 0.30 ug/l

RT: 2.58 min Scan# 308

Delta R.T. 0.02 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

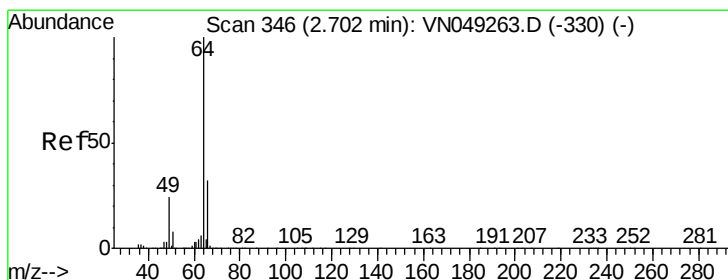
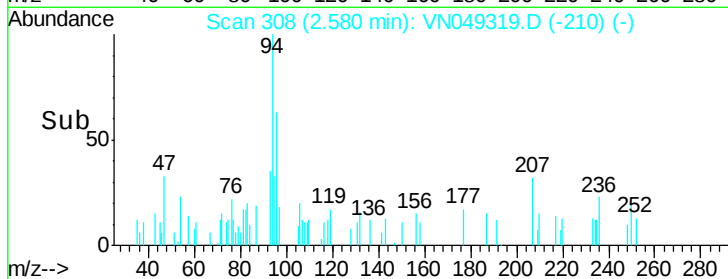
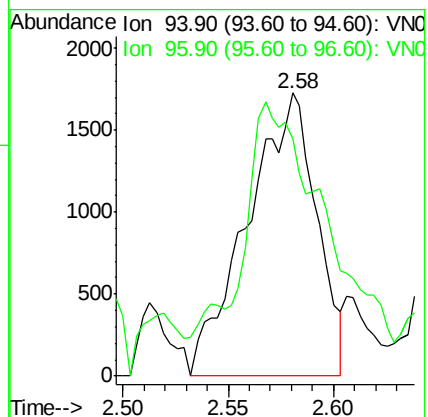
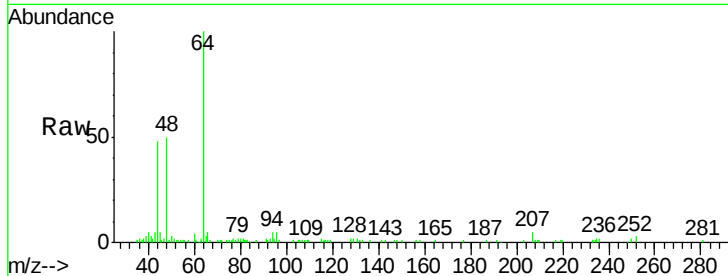
ClientSampled :

Tot Ion: 94 Resp: 3923

Ion Ratio Lower Upper

94 100

96 79.9 72.8 109.2



#6

Chloroethane

Concen: 0.28 ug/l

RT: 2.88 min Scan# 400

Delta R.T. 0.17 min

Lab File: VN049319.D

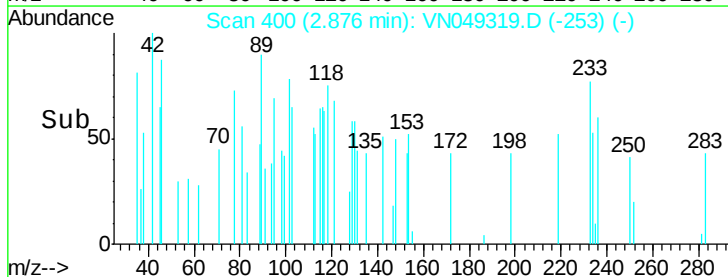
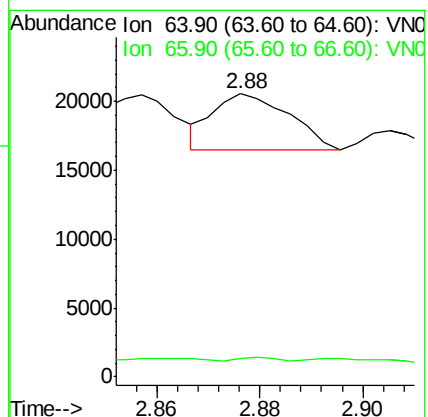
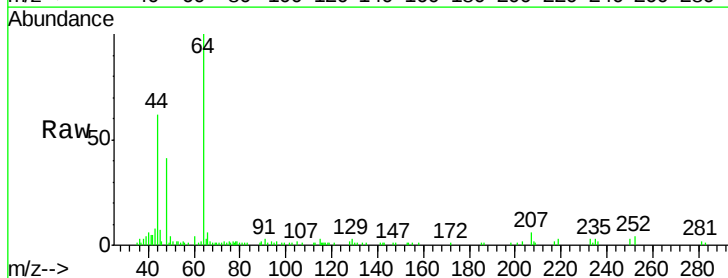
Acq: 16 Jun 2018 19:29

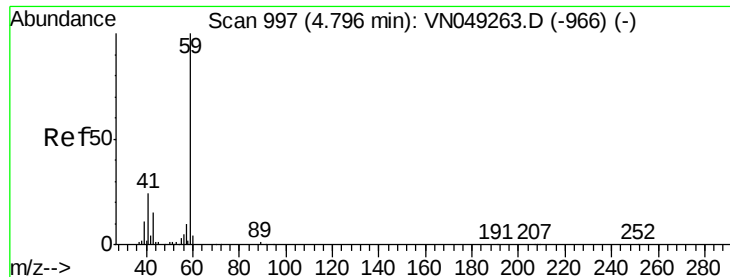
Tgt Ion: 64 Resp: 4204

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



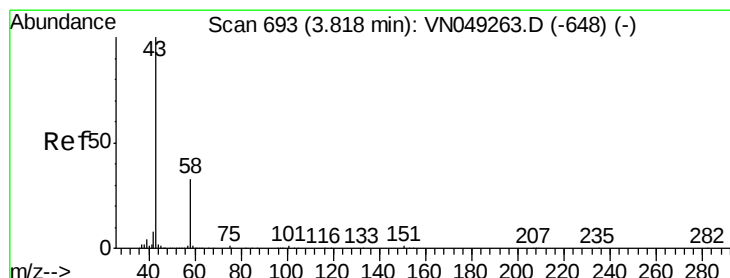
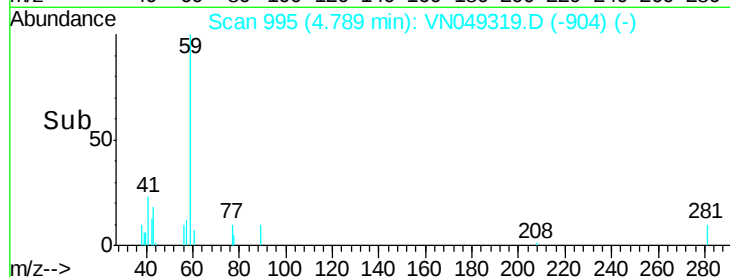
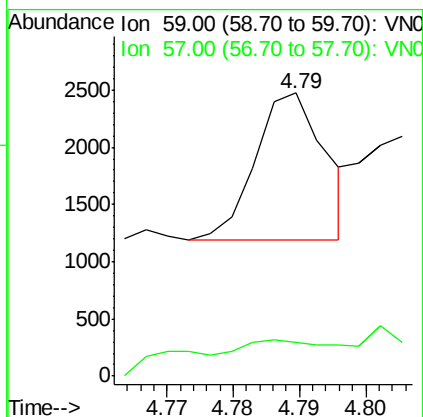
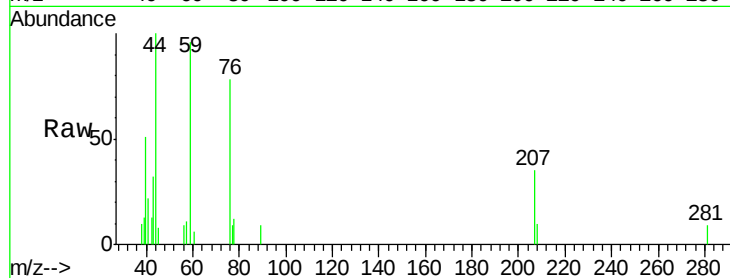


#11

Tert butyl alcohol
 Concen: 0.77 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VN049319.D
 Acq: 16 Jun 2018 19:29

Instrument :
 MSVOA_N
 ClientSampled :

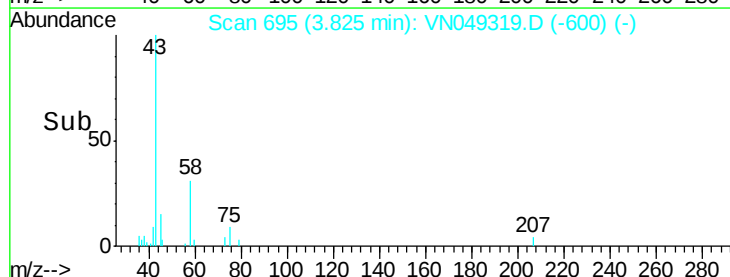
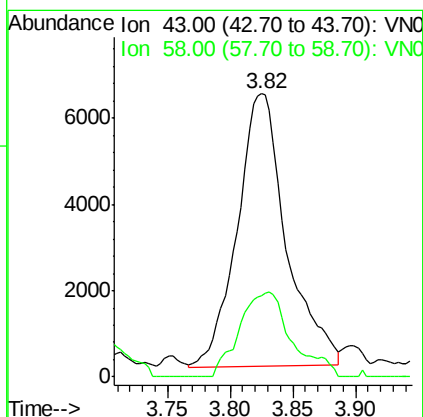
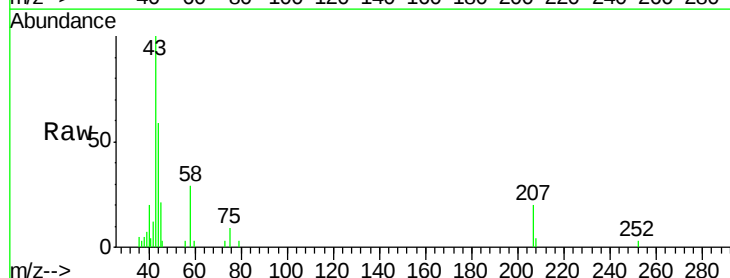
Tot Ion: 59 Resp: 941
 Ion Ratio Lower Upper
 59 100
 57 44.5 9.0 13.6#

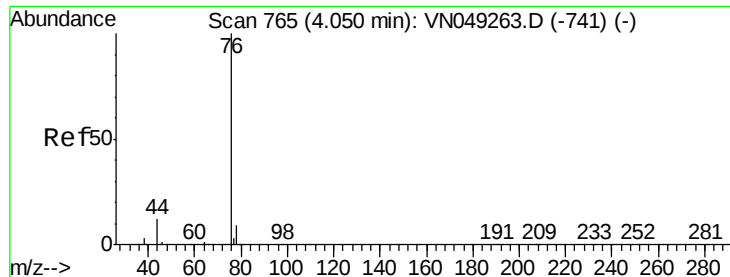


#16

Acetone
 Concen: 3.38 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN049319.D
 Acq: 16 Jun 2018 19:29

Tgt Ion: 43 Resp: 17192
 Ion Ratio Lower Upper
 43 100
 58 30.1 22.4 33.6





#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

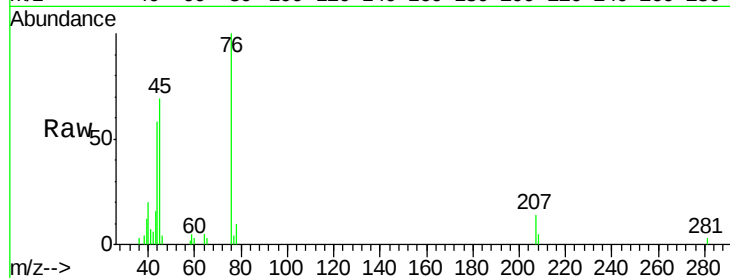
ClientSampleId :

Tot Ion: 76 Resp: 15794

Ion Ratio Lower Upper

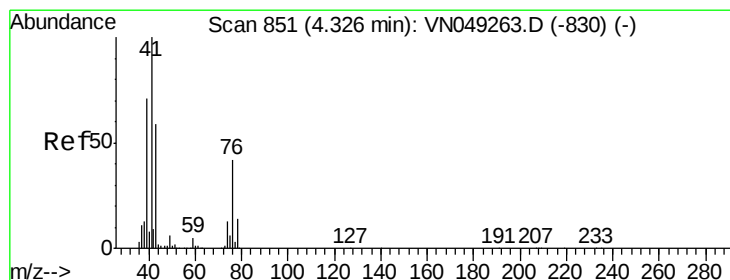
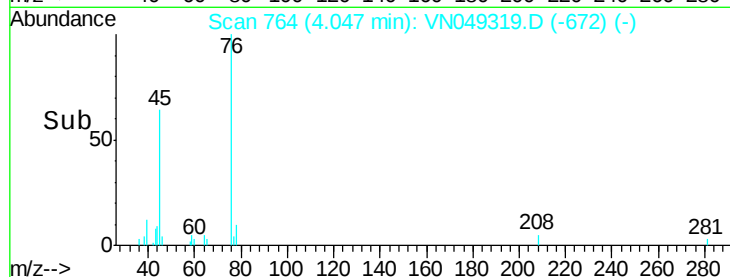
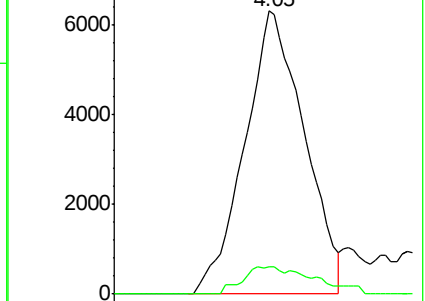
76 100

78 9.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN049319.D (-741) (-)

Ion 77.90 (77.60 to 78.60): VN049319.D (-741) (-)



#18

Methyl Acetate

Concen: 2.10 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049319.D

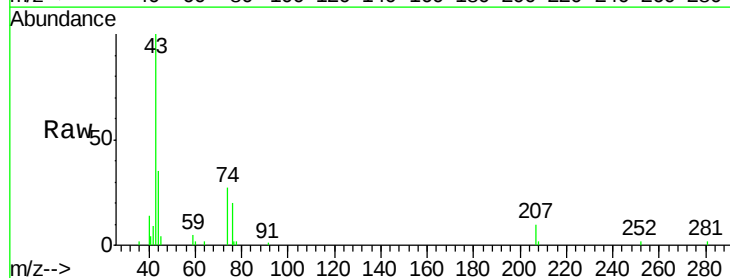
Acq: 16 Jun 2018 19:29

Tgt Ion: 43 Resp: 32535

Ion Ratio Lower Upper

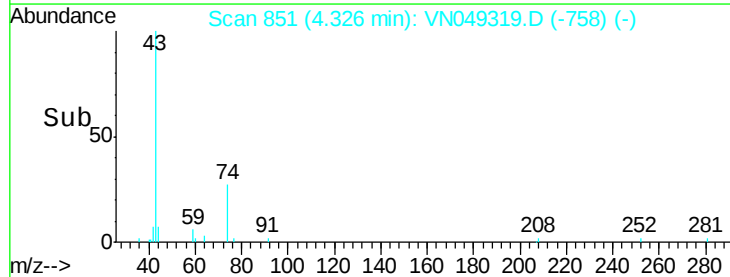
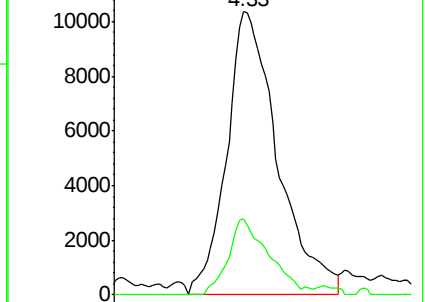
43 100

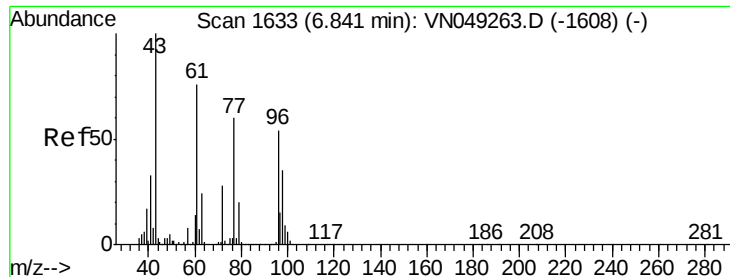
74 21.0 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049319.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN049319.D (-830) (-)





#25

2-Butanone

Concen: 0.61 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

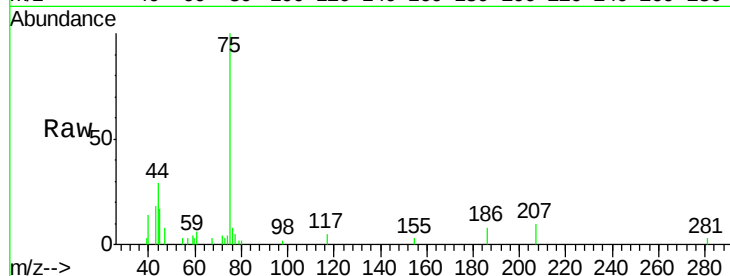
ClientSampleId :

Tot Ion: 43 Resp: 4157

Ion Ratio Lower Upper

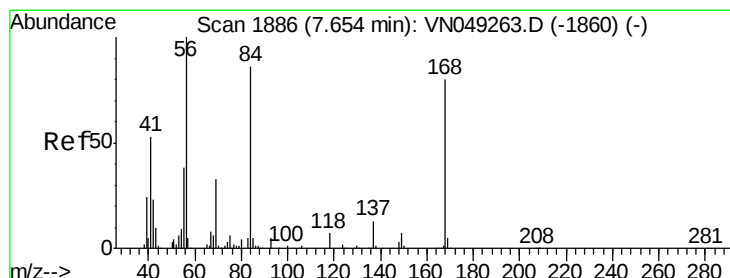
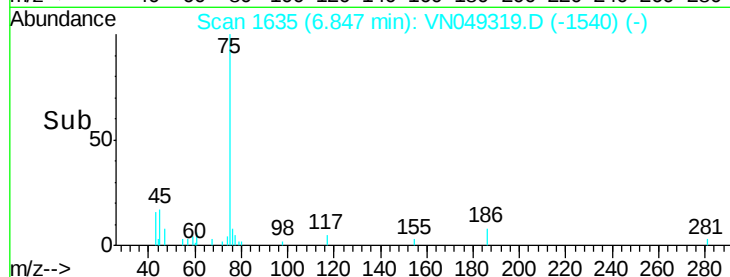
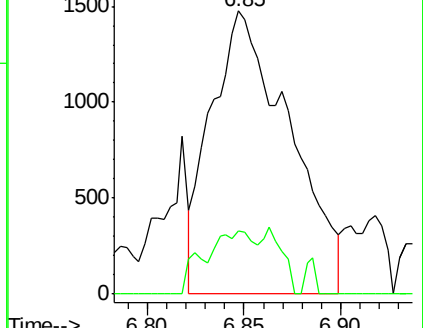
43 100

72 28.2 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN049319.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN049319.D (-1540) (-)



#31

Cyclohexane

Concen: 1.16 ug/l

RT: 7.66 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

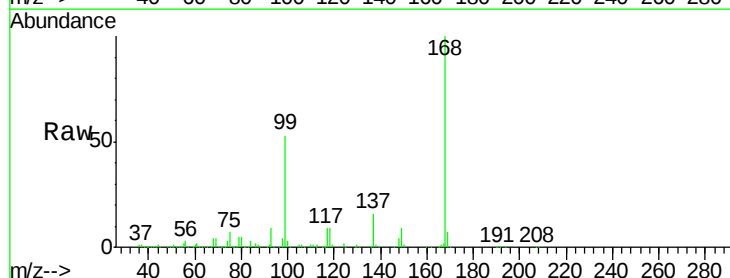
Tgt Ion: 56 Resp: 41224

Ion Ratio Lower Upper

56 100

69 144.4 25.0 37.4#

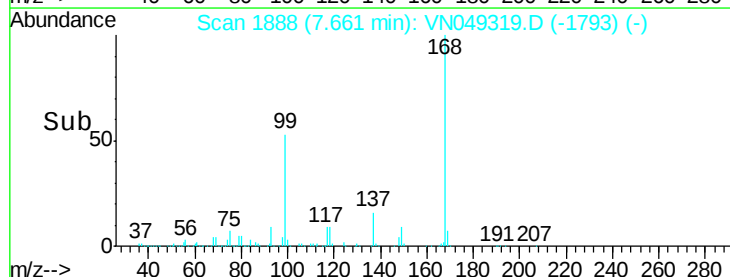
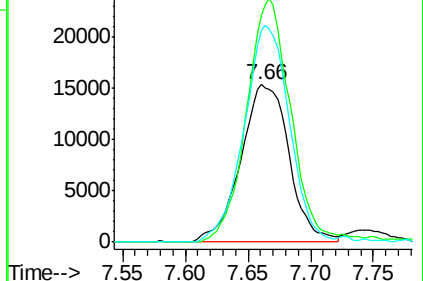
84 134.3 64.6 96.8#

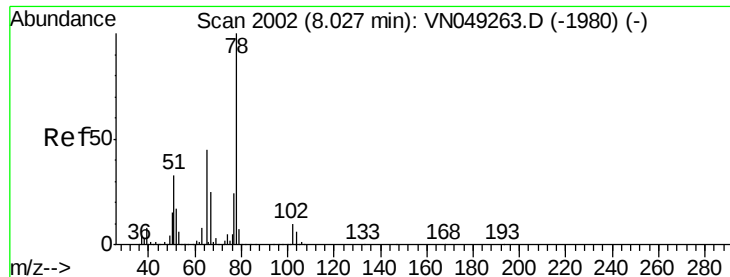


Abundance Ion 56.00 (55.70 to 56.70): VN049319.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049319.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049319.D (-1793) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.28 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

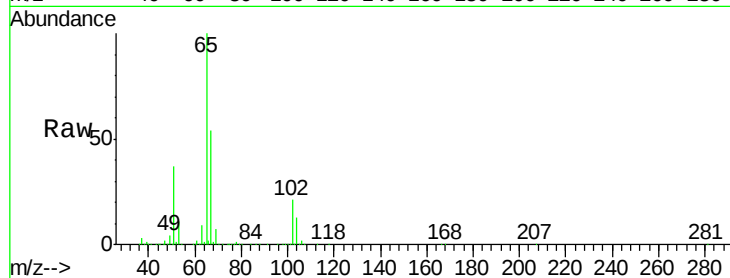
ClientSampleId :

Tot Ion: 65 Resp: 1032167

Ion Ratio Lower Upper

65 100

67 53.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049319.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049319.D (-1909) (-)

8.03

400000

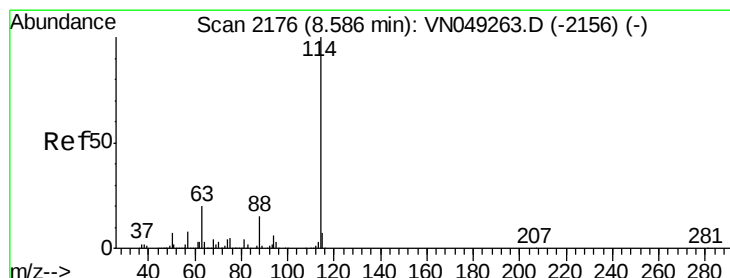
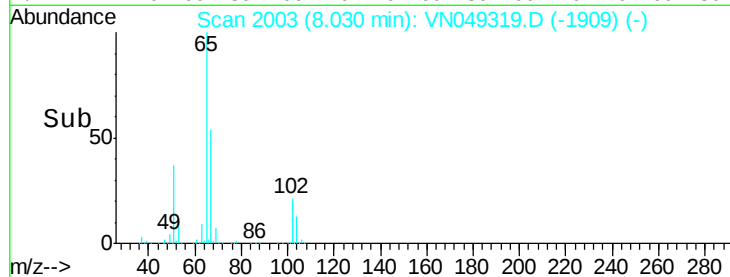
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

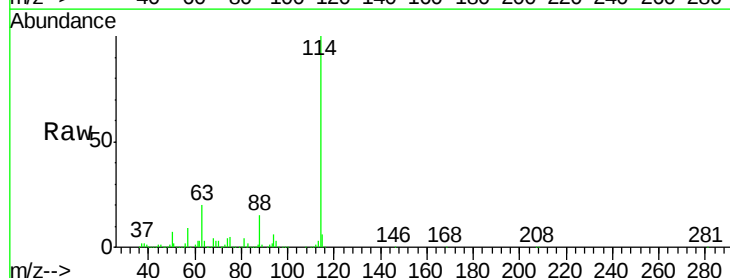
Tgt Ion: 114 Resp: 2493438

Ion Ratio Lower Upper

114 100

63 19.9 0.0 44.4

88 15.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049319.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049319.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049319.D (-2083) (-)

8.59

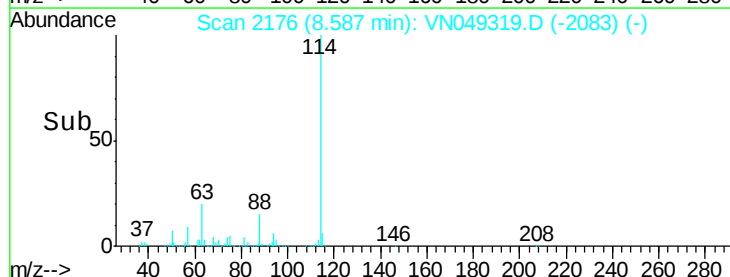
1500000

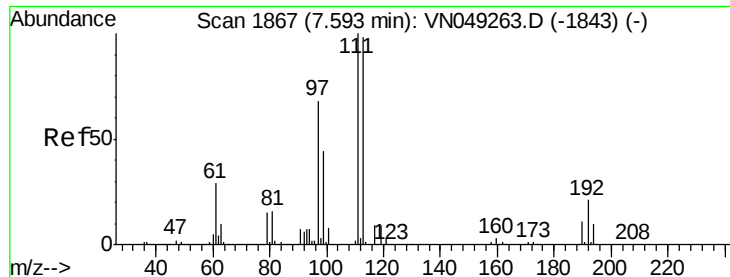
1000000

500000

0

Time-->

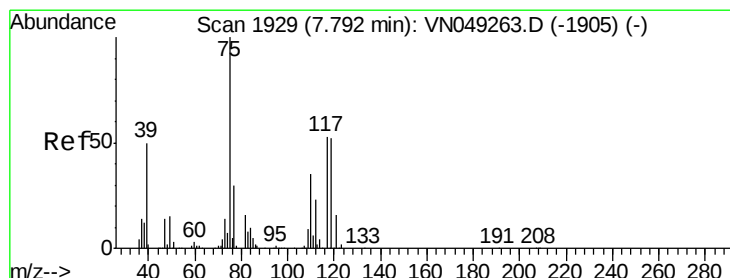
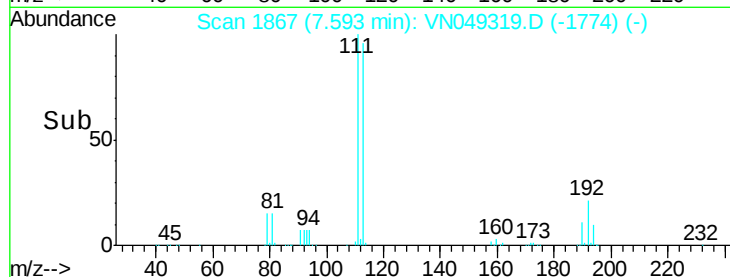
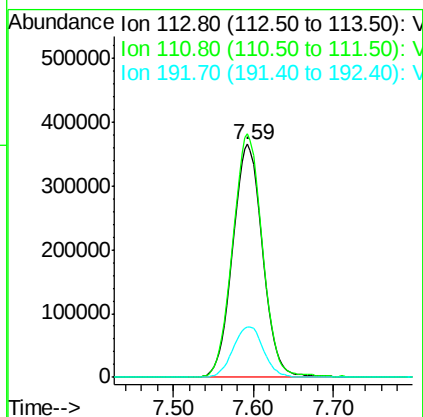
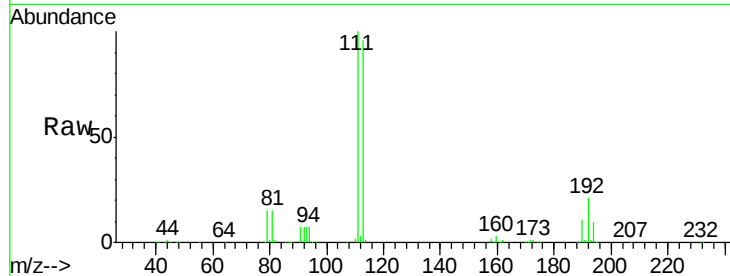




#35
 Dibromofluoromethane
 Concen: 45.75 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049319.D
 Acq: 16 Jun 2018 19:29

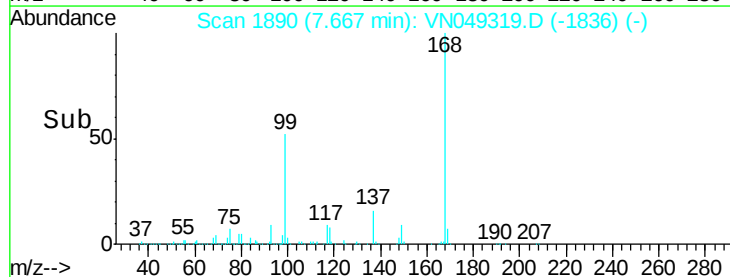
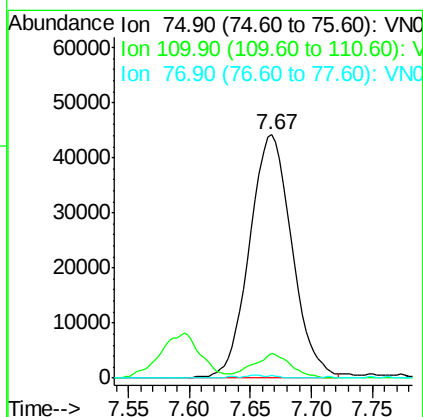
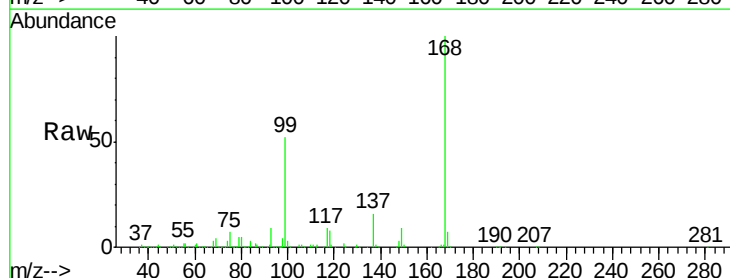
Instrument :
 MSVOA_N
 ClientSampleId :

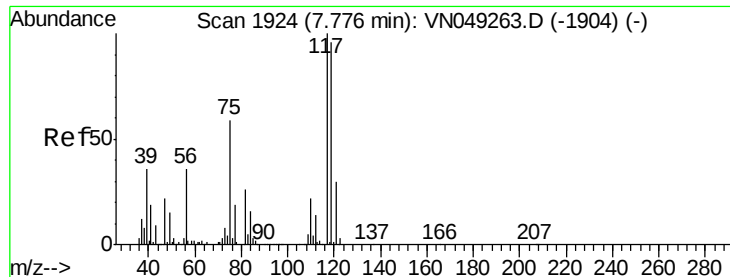
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.4	123.6
192	22.2	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.73 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049319.D
 Acq: 16 Jun 2018 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.0	50.9#
77	0.2	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 4.75 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

ClientSampleId :

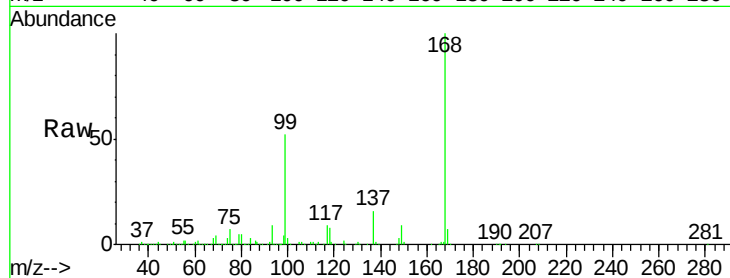
Tot Ion:117 Resp: 140550

Ion Ratio Lower Upper

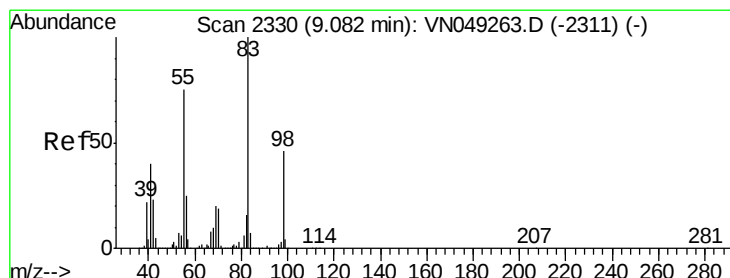
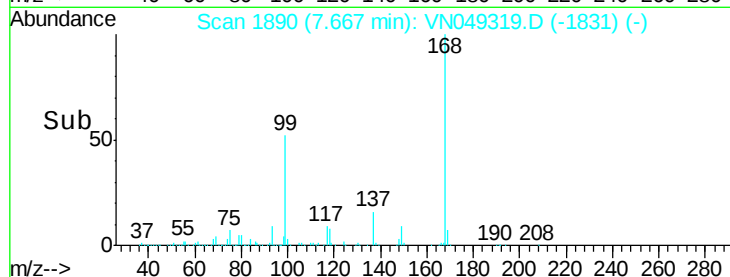
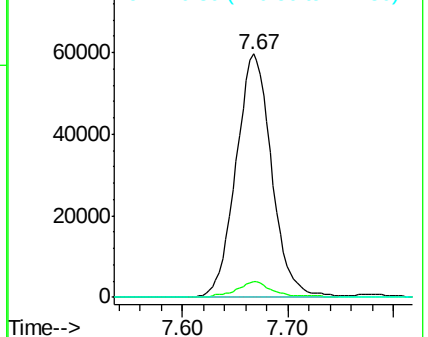
117 100

119 6.5 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: 1.12 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

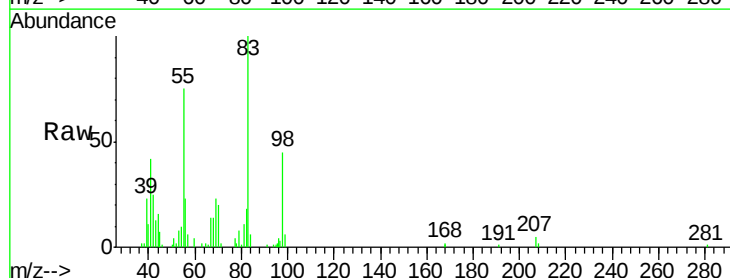
Tgt Ion: 83 Resp: 34469

Ion Ratio Lower Upper

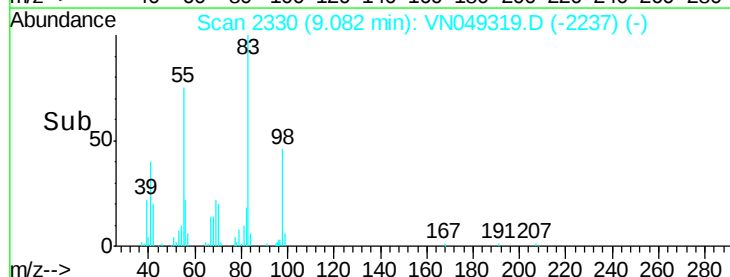
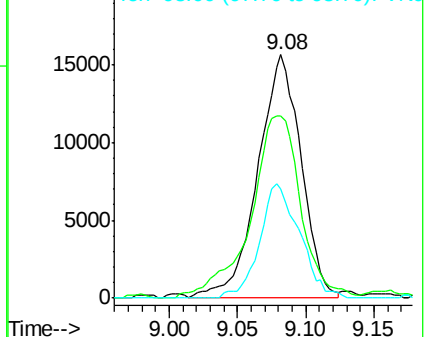
83 100

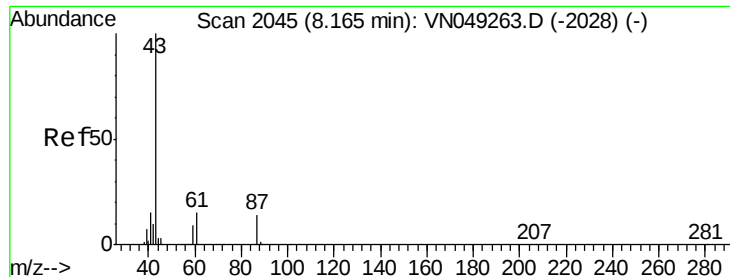
55 72.6 65.1 97.7

98 44.6 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#43

Isopropyl Acetate

Concen: 7.14 ug/l

RT: 8.26 min Scan# 2073

Delta R.T. 0.09 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

ClientSampled :

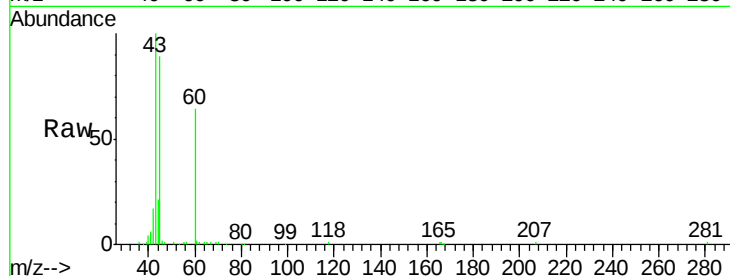
Tot Ion: 43 Resp: 211959

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#

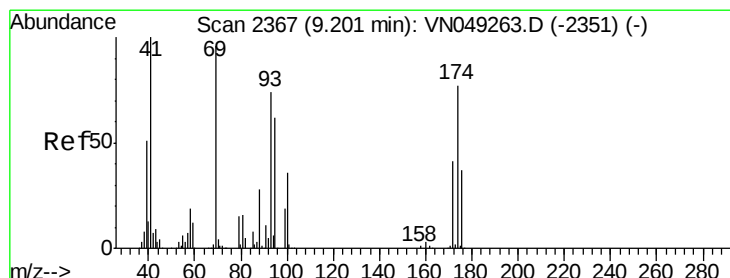
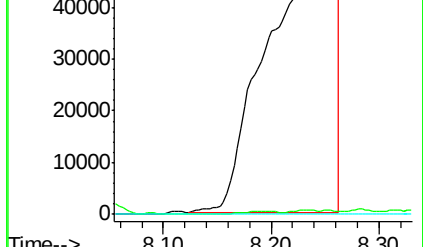
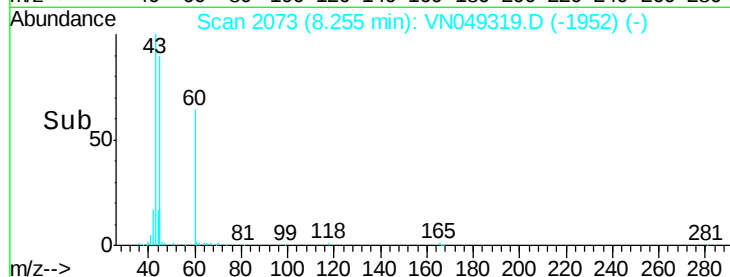


Abundance Ion 43.00 (42.70 to 43.70): VN049319.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049319.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049319.D (-1952) (-)

Time-->



#49

1,4-Dioxane

Concen: 2.38 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

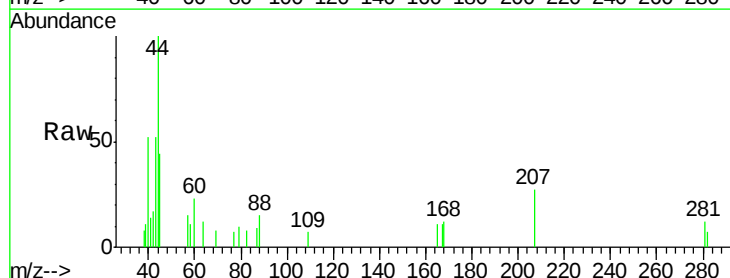
Tgt Ion: 88 Resp: 459

Ion Ratio Lower Upper

88 100

43 38.1 30.9 46.3

58 92.8 58.9 88.3#

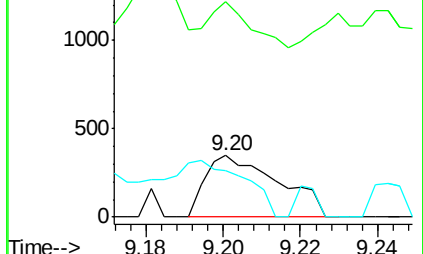
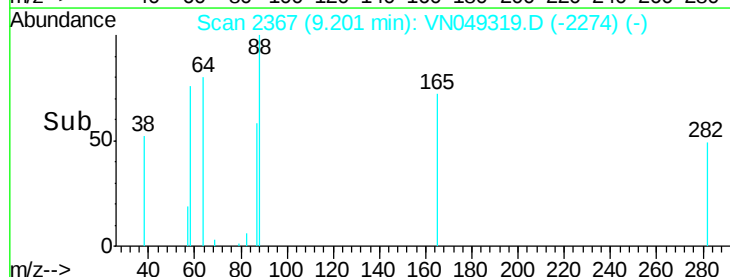


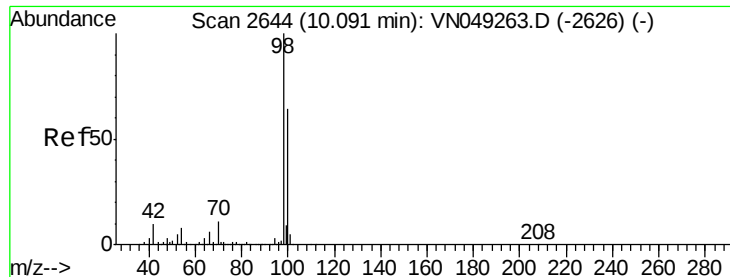
Abundance Ion 88.00 (87.70 to 88.70): VN049319.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN049319.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049319.D (-2274) (-)

Time-->





#50

Toluene-d8

Concen: 45.28 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

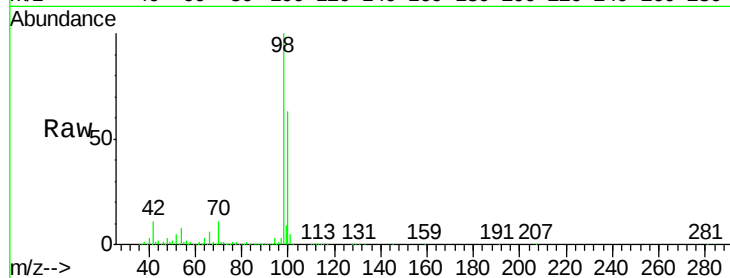
ClientSampleId :

Tot Ion: 98 Resp: 3477896

Ion Ratio Lower Upper

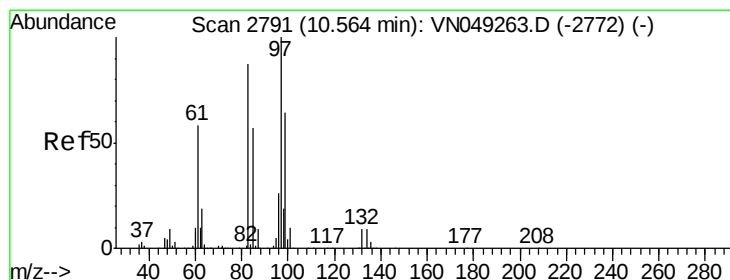
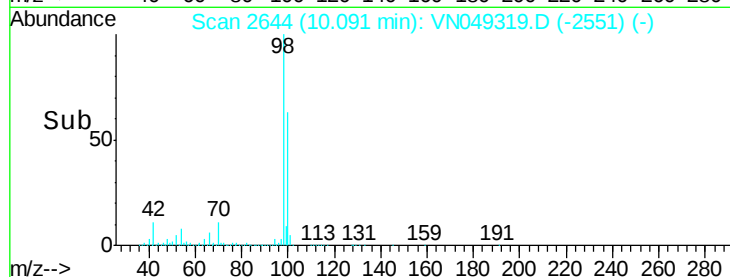
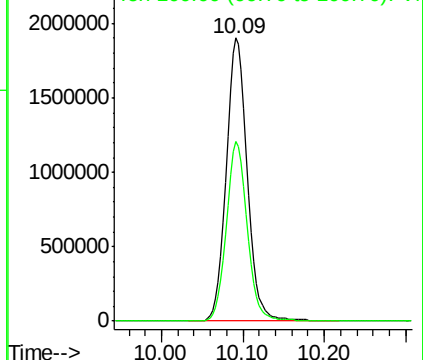
98 100

100 63.2 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#55

1,1,2-Trichloroethane

Concen: 0.88 ug/l

RT: 10.53 min Scan# 2780

Delta R.T. -0.04 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Tgt Ion: 97 Resp: 16946

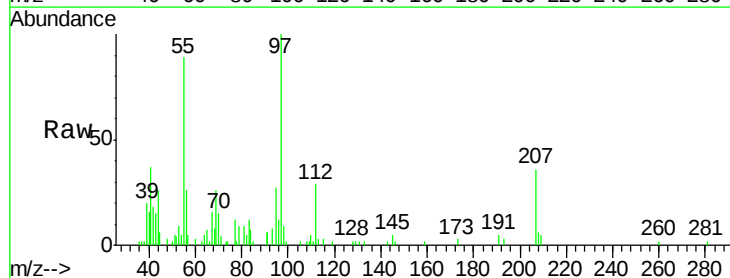
Ion Ratio Lower Upper

97 100

83 12.2 71.5 107.3#

85 1.8 47.0 70.4#

99 1.7 51.4 77.2#

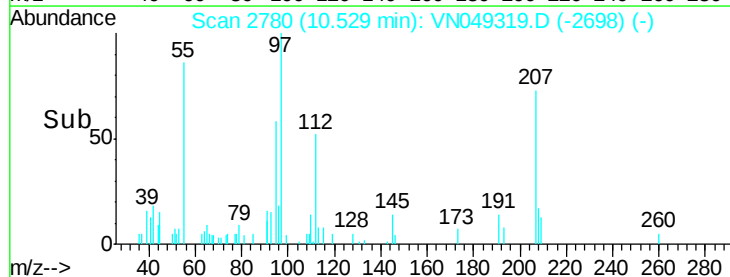
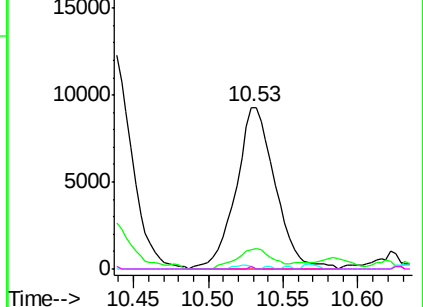


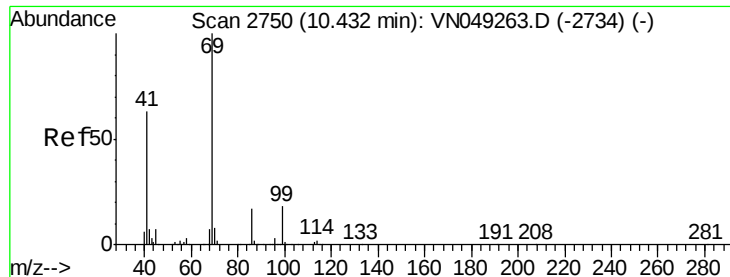
Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 0.44 ug/l

RT: 10.44 min Scan# 2752

Delta R.T. 0.01 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

ClientSampled :

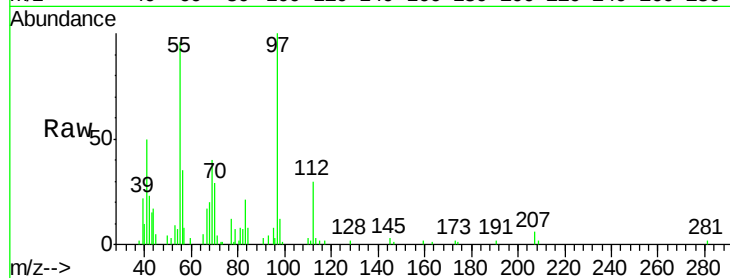
Tot Ion: 69 Resp: 9785

Ion Ratio Lower Upper

69 100

41 118.7 58.4 87.6#

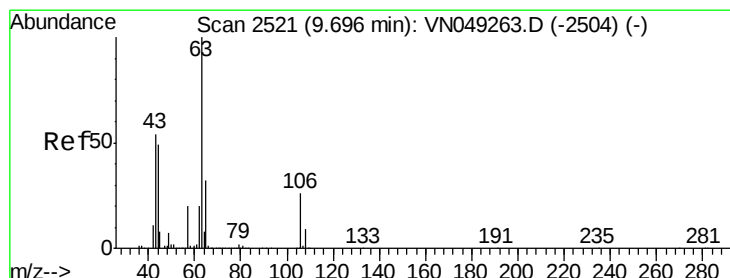
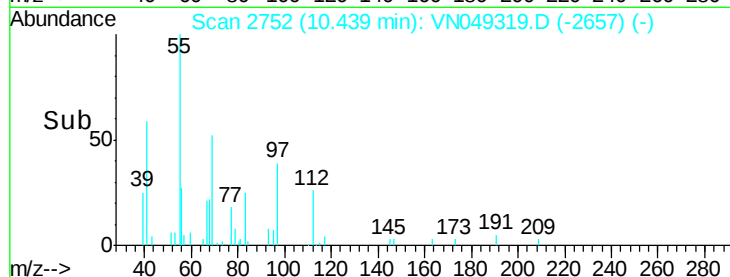
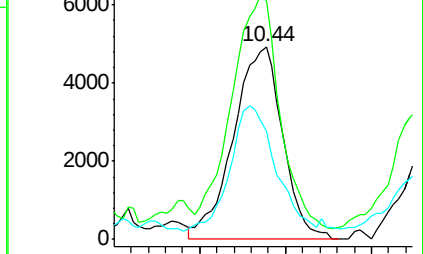
39 60.4 35.5 53.3#



Abundance Ion 69.00 (68.70 to 69.70): VN049319.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049319.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049319.D (-2657) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 14.33 ug/l

RT: 9.68 min Scan# 2517

Delta R.T. -0.01 min

Lab File: VN049319.D

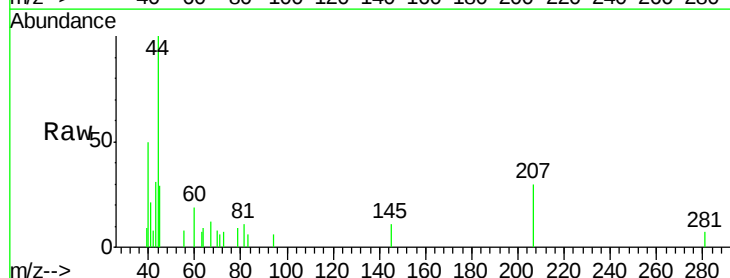
Acq: 16 Jun 2018 19:29

Tgt Ion: 63 Resp: 69

Ion Ratio Lower Upper

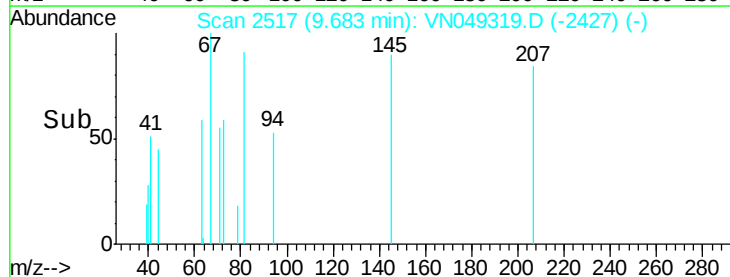
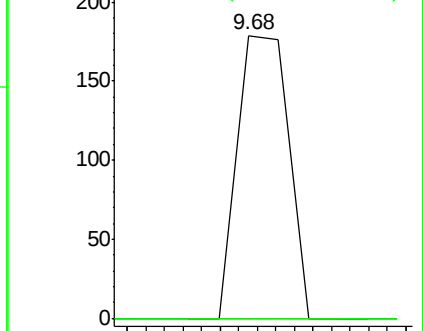
63 100

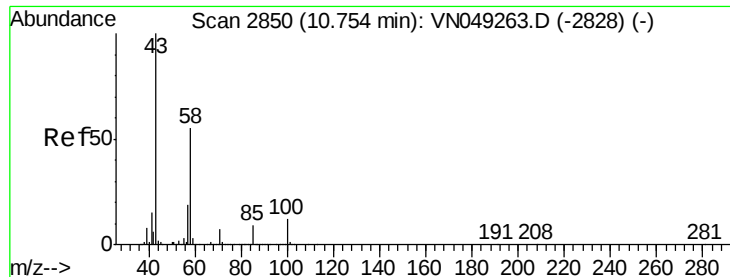
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049319.D (-2427) (-)

Ion 105.90 (105.60 to 106.60): VN049319.D (-2427) (-)

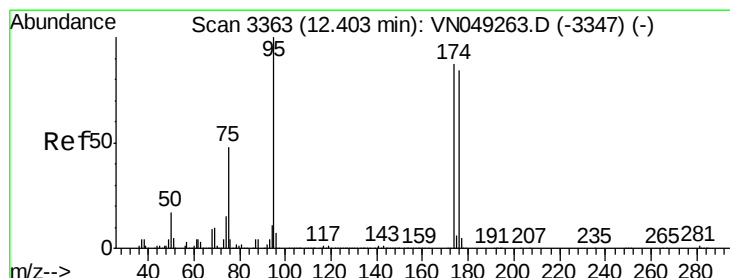
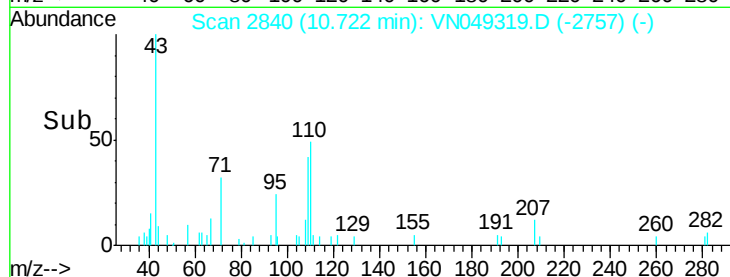
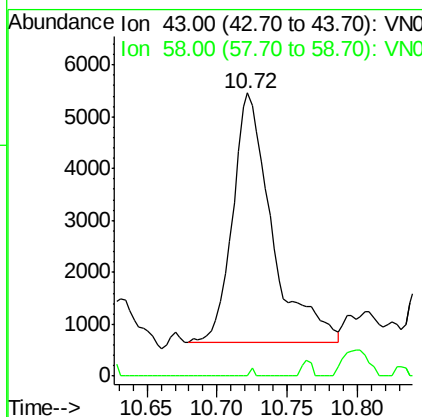
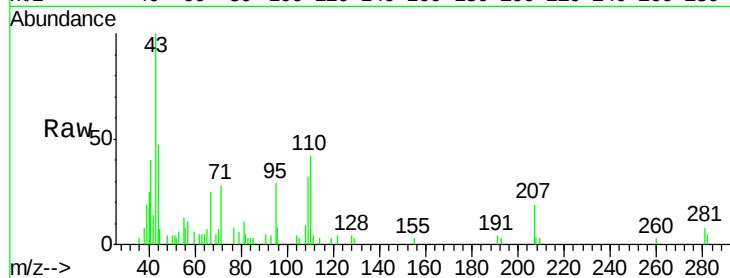




#59
2-Hexanone
Concen: 0.93 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. -0.03 min
Lab File: VN049319.D
Acq: 16 Jun 2018 19:29

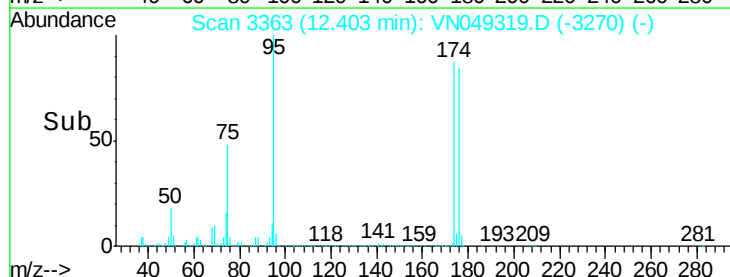
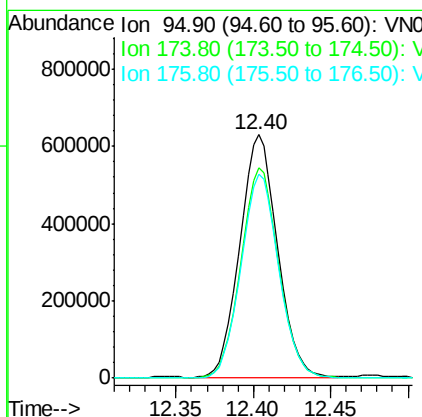
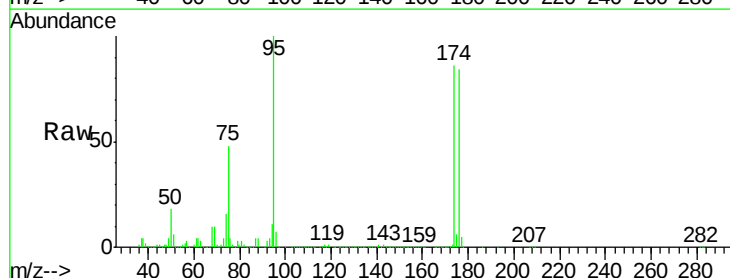
Instrument :
MSVOA_N
ClientSampleId :

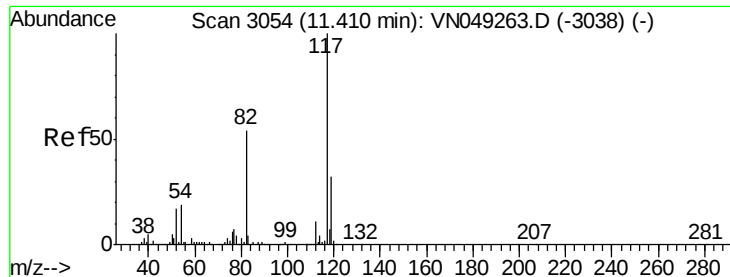
Tot Ion: 43 Resp: 9312
Ion Ratio Lower Upper
43 100
58 0.3 25.2 75.6#



#62
4-Bromofluorobenzene
Concen: 41.79 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049319.D
Acq: 16 Jun 2018 19:29

Tgt Ion: 95 Resp: 1061386
Ion Ratio Lower Upper
95 100
174 87.3 0.0 165.6
176 84.9 0.0 157.4

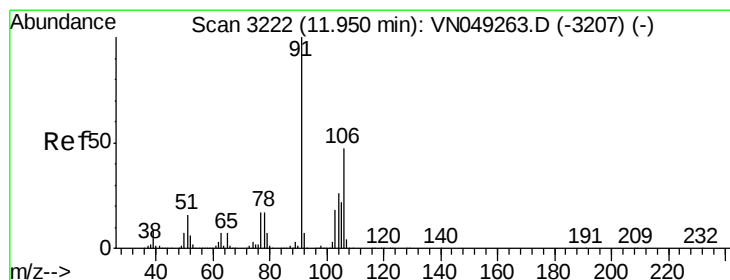
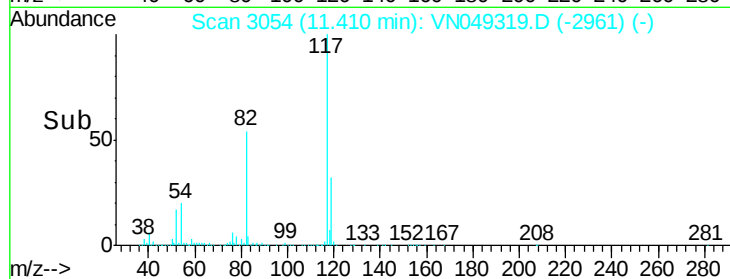
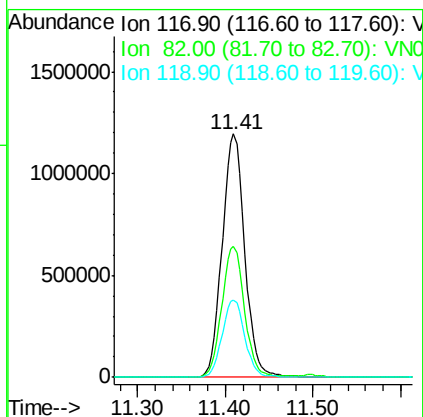
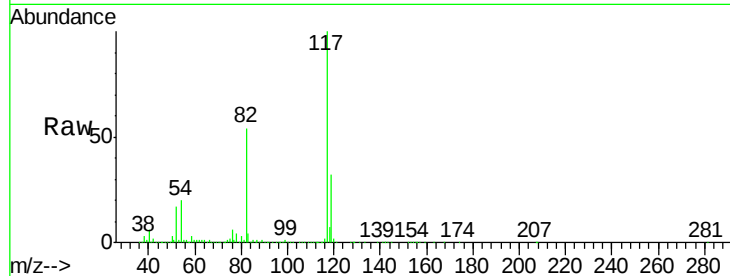




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049319.D
Acq: 16 Jun 2018 19:29

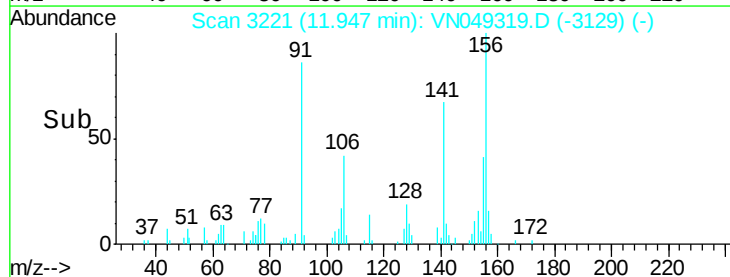
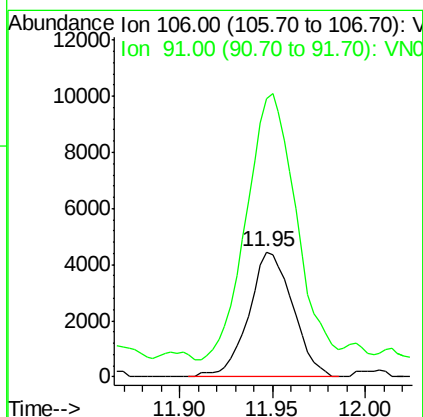
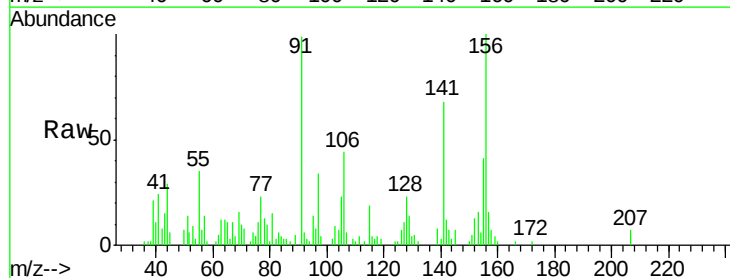
Instrument :
MSVOA_N
ClientSampleId :

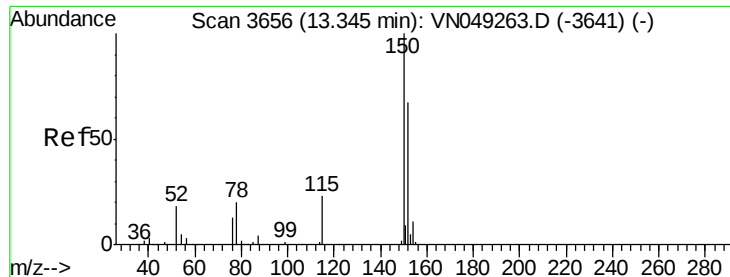
Tot Ion:117 Resp: 2137257
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 31.9 25.5 38.3



#69
o-Xylene
Concen: 0.22 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049319.D
Acq: 16 Jun 2018 19:29

Tgt Ion:106 Resp: 7381
Ion Ratio Lower Upper
106 100
91 238.0 111.0 333.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

ClientSampleId :

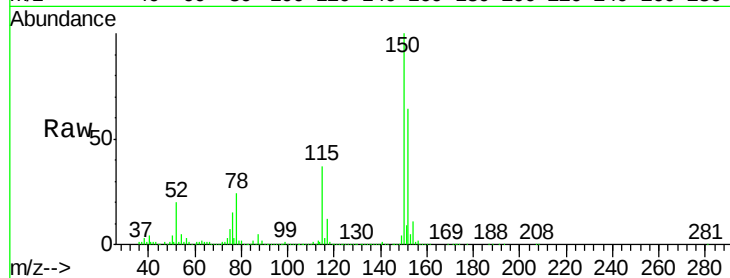
Tot Ion:152 Resp: 894178

Ion Ratio Lower Upper

152 100

115 57.4 28.7 86.1

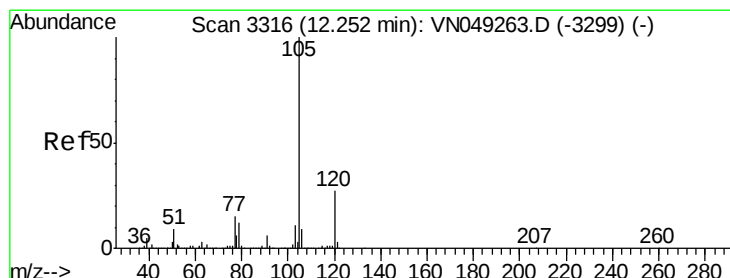
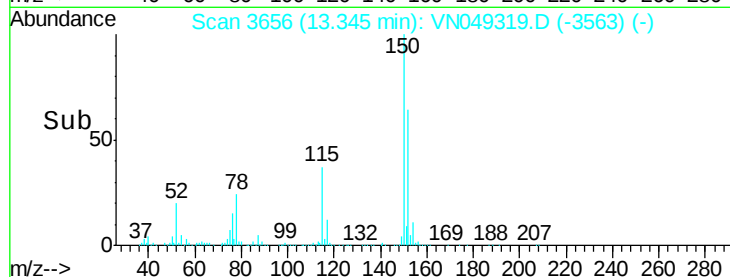
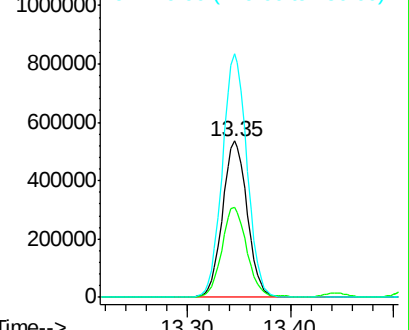
150 154.8 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.64 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049319.D

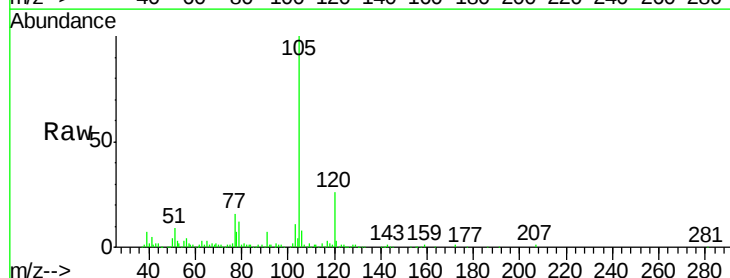
Acq: 16 Jun 2018 19:29

Tgt Ion:105 Resp: 207499

Ion Ratio Lower Upper

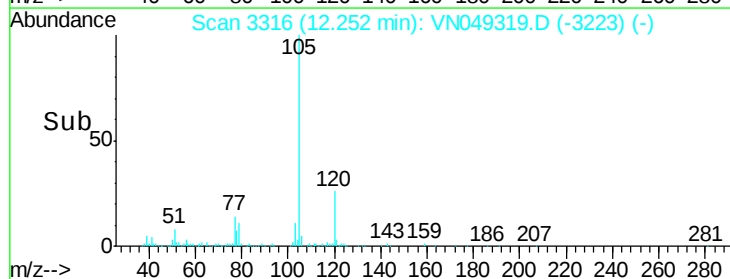
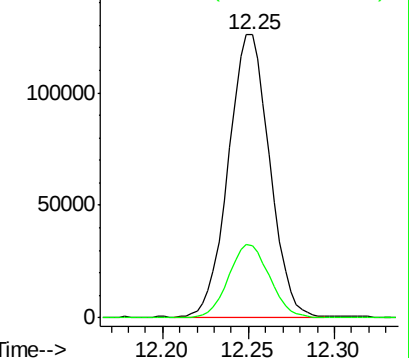
105 100

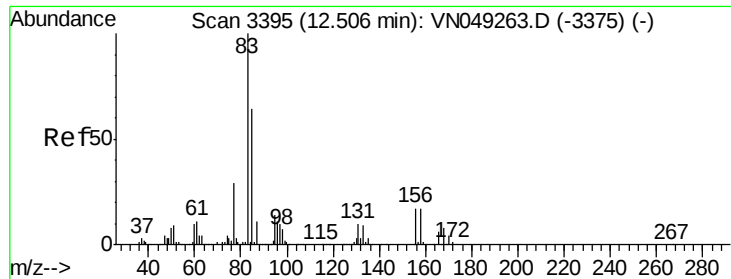
120 26.1 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

ClientSampled :

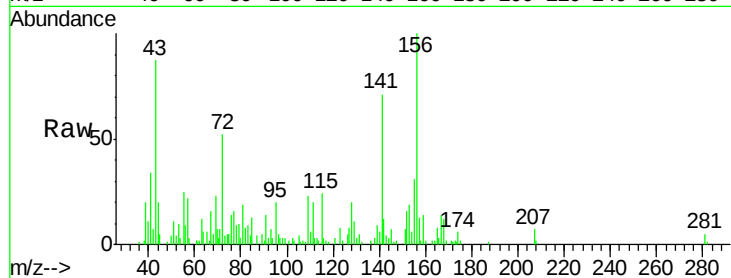
Tot Ion: 83 Resp: 219

Ion Ratio Lower Upper

83 100

131 54.3 5.0 15.0#

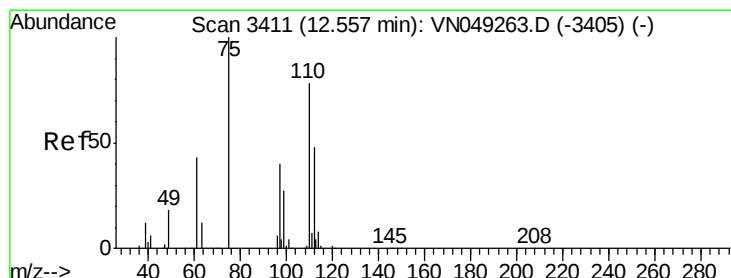
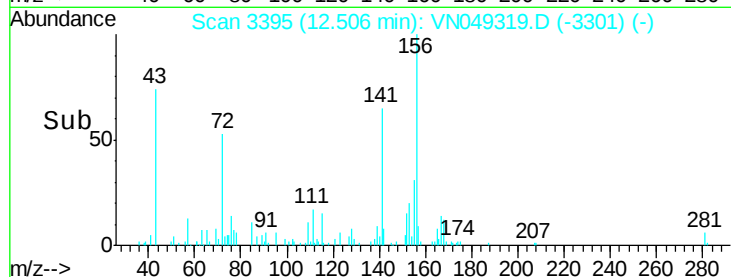
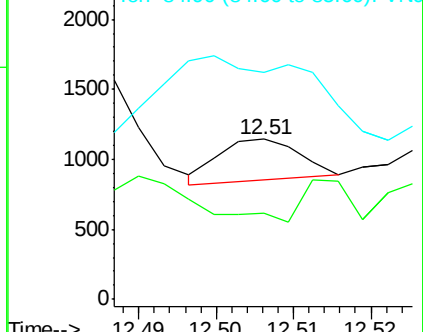
85 1472.1 32.0 96.0#



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: 33.94 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049319.D

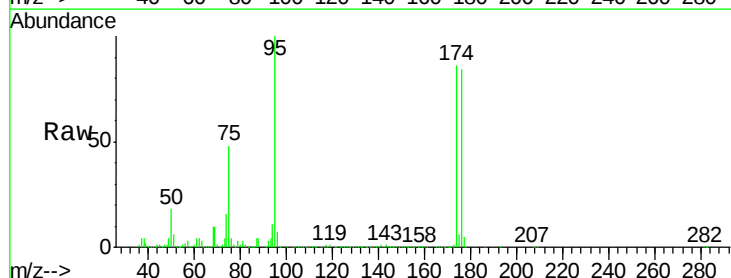
Acq: 16 Jun 2018 19:29

Tgt Ion: 75 Resp: 517845

Ion Ratio Lower Upper

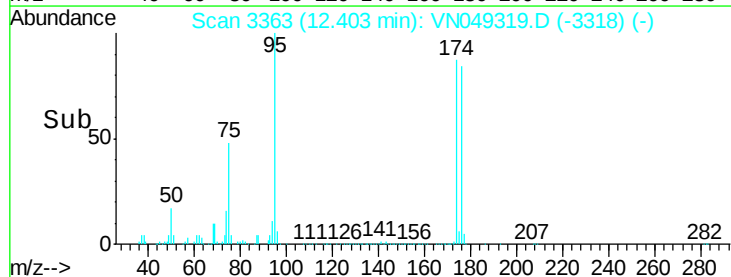
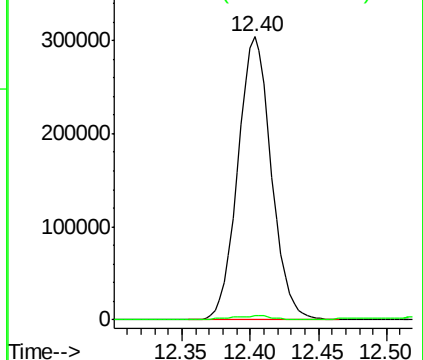
75 100

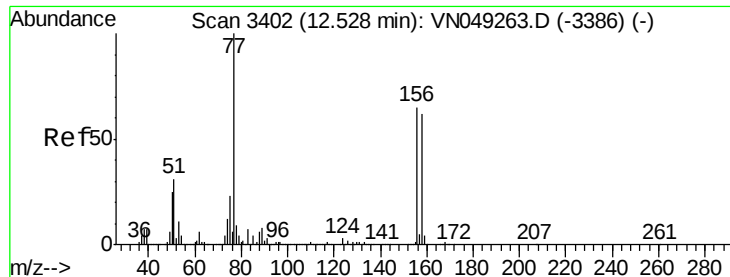
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 11.60 ug/l

RT: 12.57 min Scan# 3416

Delta R.T. 0.05 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

ClientSampled :

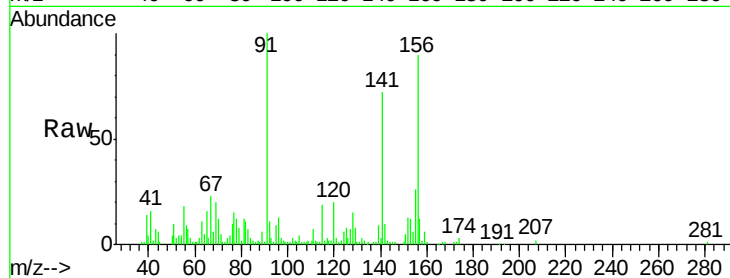
Tot Ion:156 Resp: 240602

Ion Ratio Lower Upper

156 100

77 0.0 100.8 302.4#

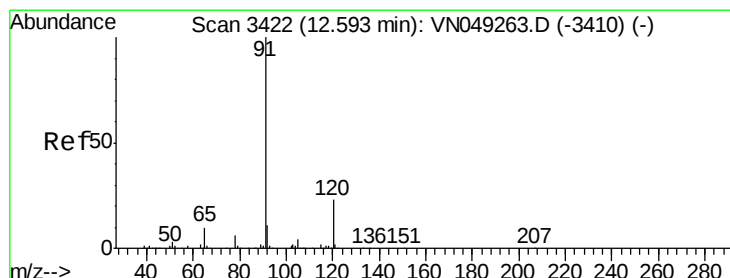
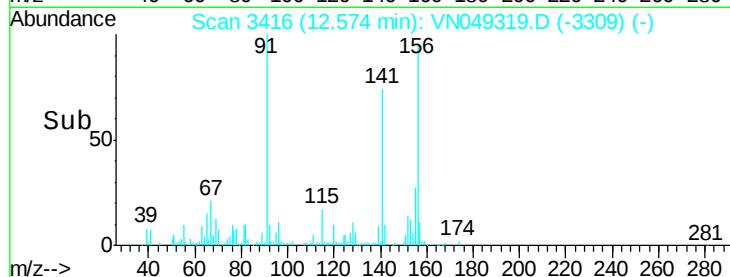
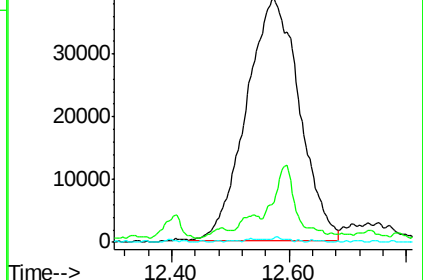
158 0.2 49.3 147.9#



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: 4.16 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049319.D

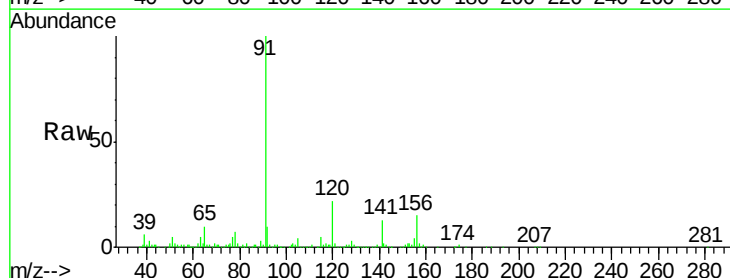
Acq: 16 Jun 2018 19:29

Tgt Ion: 91 Resp: 359018

Ion Ratio Lower Upper

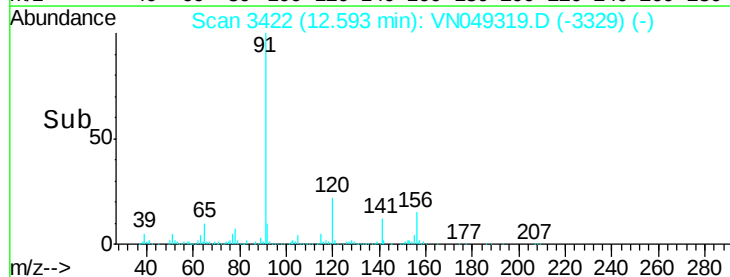
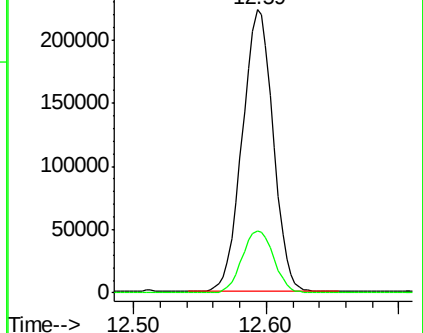
91 100

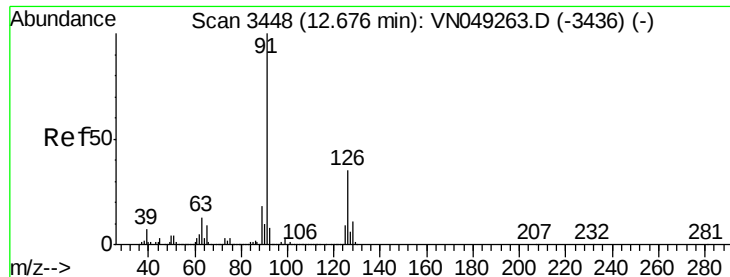
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 6.58 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

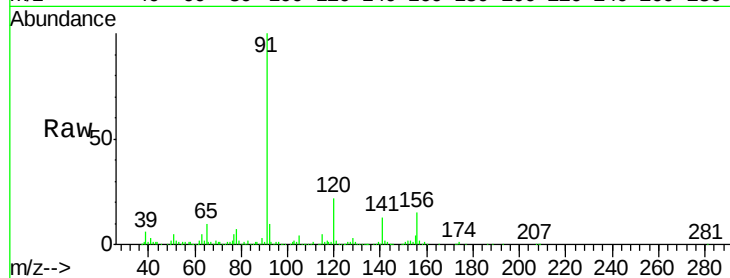
ClientSampleId :

Tot Ion: 91 Resp: 359162

Ion Ratio Lower Upper

91 100

126 0.7 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)

12.59

250000

200000

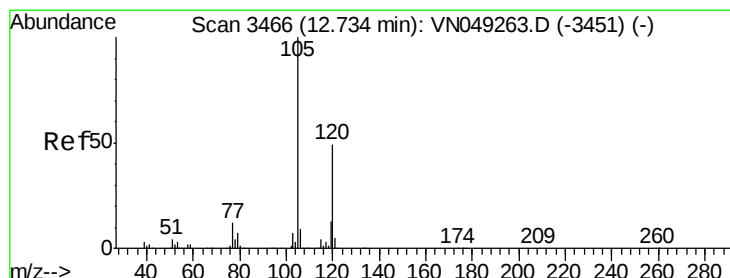
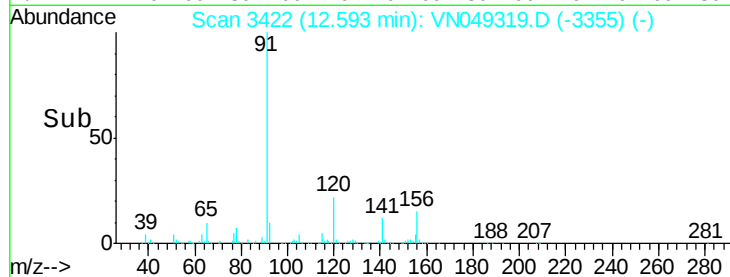
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.57 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. 0.16 min

Lab File: VN049319.D

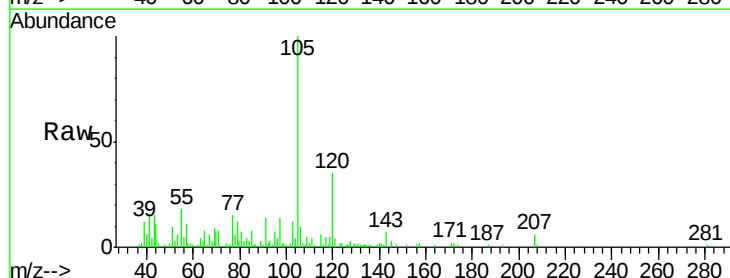
Acq: 16 Jun 2018 19:29

Tgt Ion: 105 Resp: 35009

Ion Ratio Lower Upper

105 100

120 34.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)

12.89

25000

20000

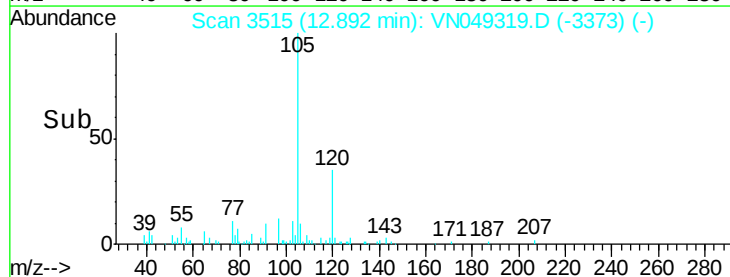
15000

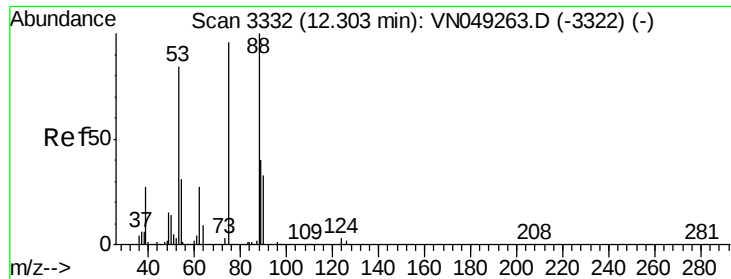
10000

5000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 107.27 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

ClientSampled :

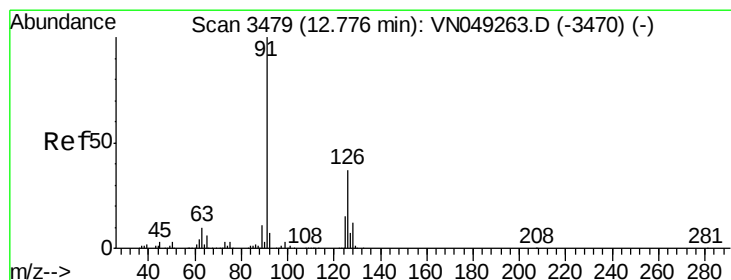
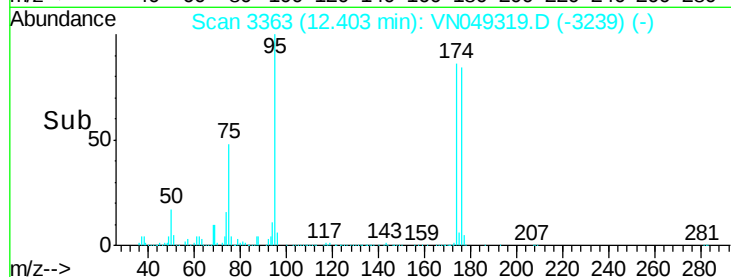
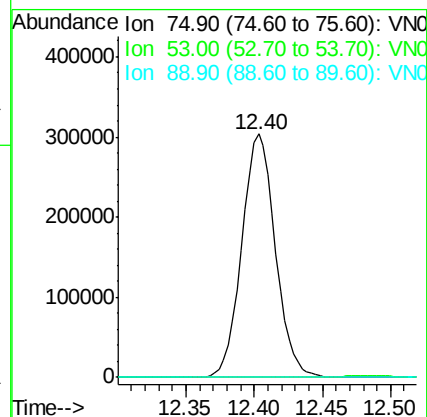
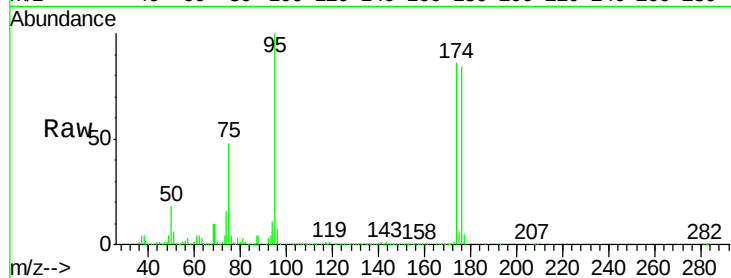
Tot Ion: 75 Resp: 517845

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

89 0.0 36.5 54.7#



#82

4-Chlorotoluene

Concen: 6.82 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN049319.D

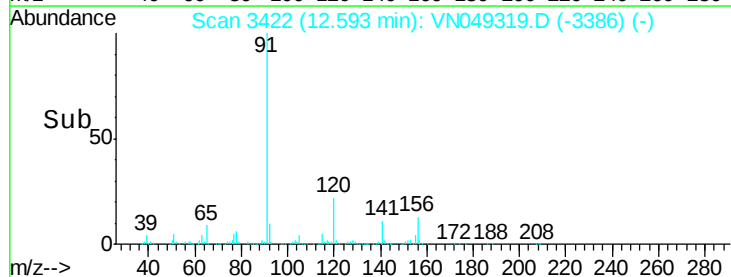
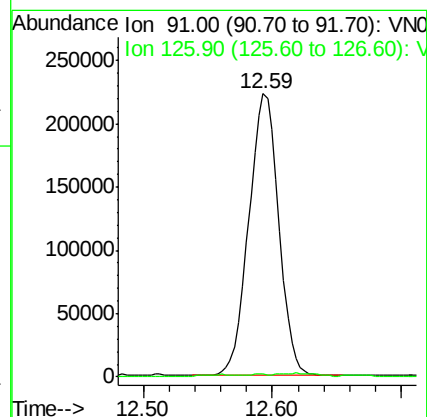
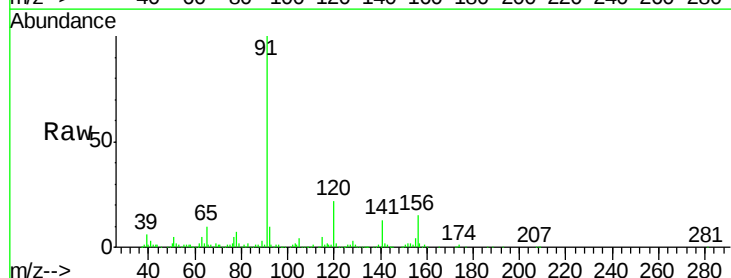
Acq: 16 Jun 2018 19:29

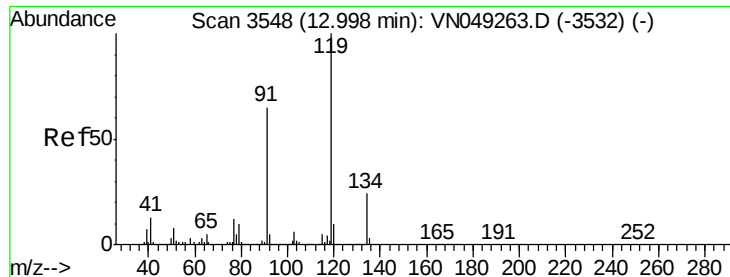
Tgt Ion: 91 Resp: 359162

Ion Ratio Lower Upper

91 100

126 0.8 16.4 49.1#





#83

tert-Butylbenzene

Concen: 0.95 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

ClientSampleId :

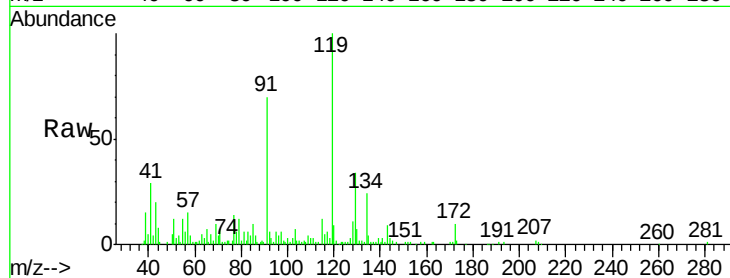
Tot Ion:119 Resp: 51749

Ion Ratio Lower Upper

119 100

91 69.7 33.7 101.0

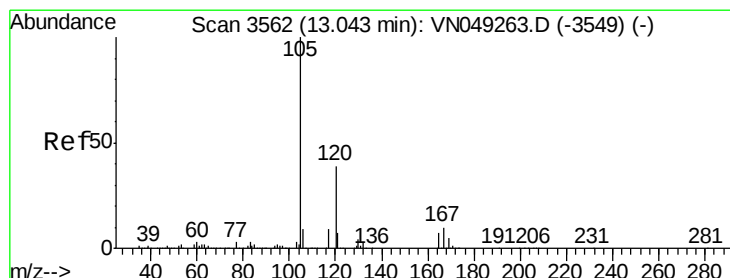
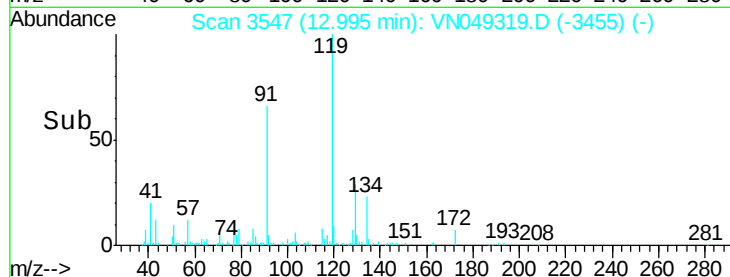
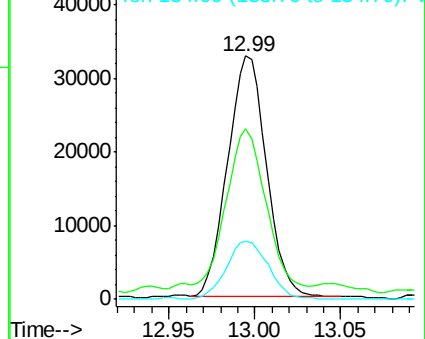
134 26.1 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.57 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. -0.15 min

Lab File: VN049319.D

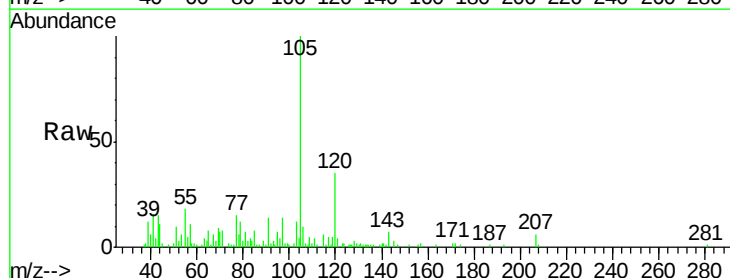
Acq: 16 Jun 2018 19:29

Tgt Ion:105 Resp: 35009

Ion Ratio Lower Upper

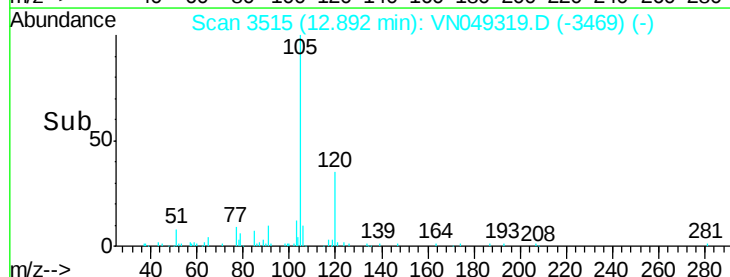
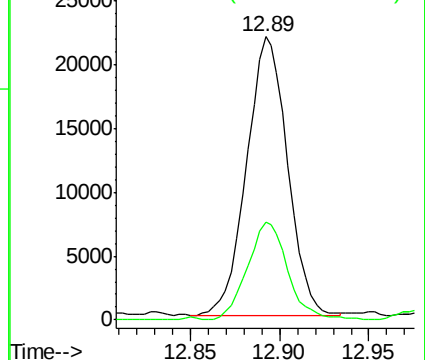
105 100

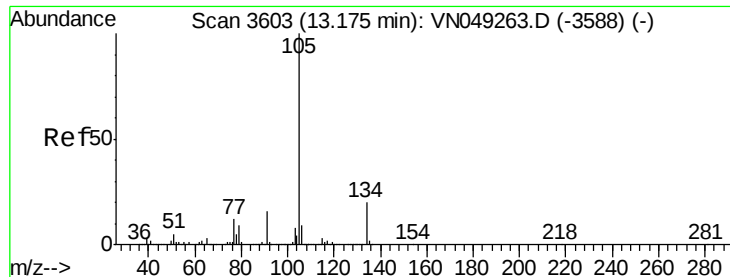
120 34.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.29 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

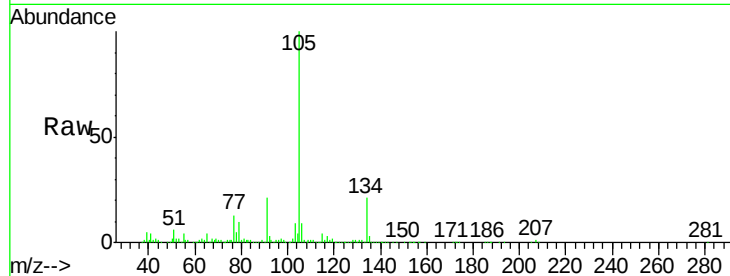
ClientSampled :

Tot Ion:105 Resp: 311857

Ion Ratio Lower Upper

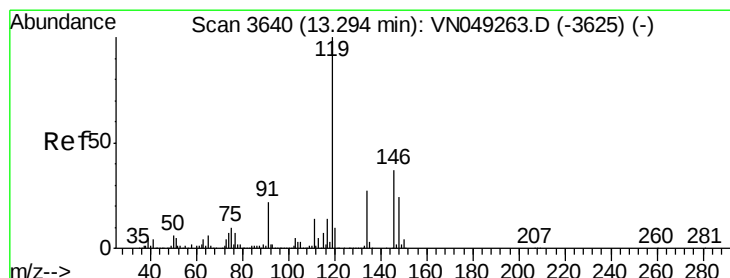
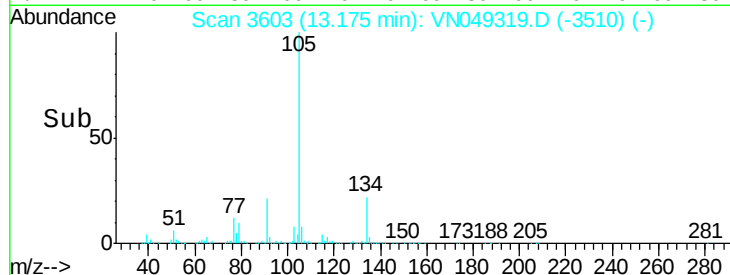
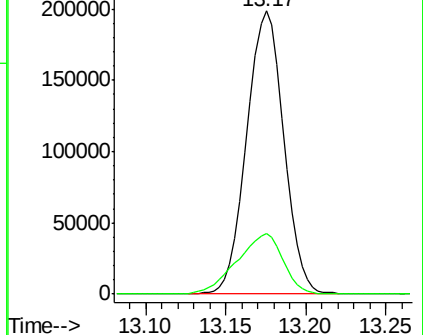
105 100

134 26.8 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: 4.07 ug/l

RT: 13.44 min Scan# 3687

Delta R.T. 0.15 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

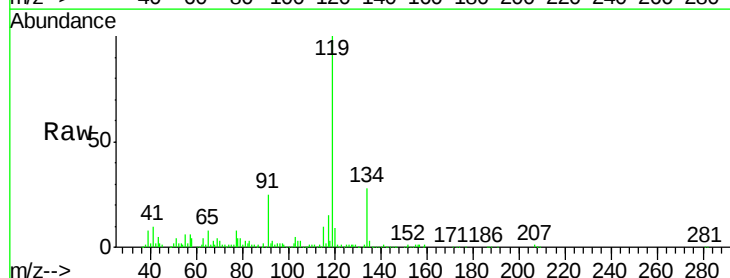
Tgt Ion:119 Resp: 247571

Ion Ratio Lower Upper

119 100

134 28.2 12.9 38.6

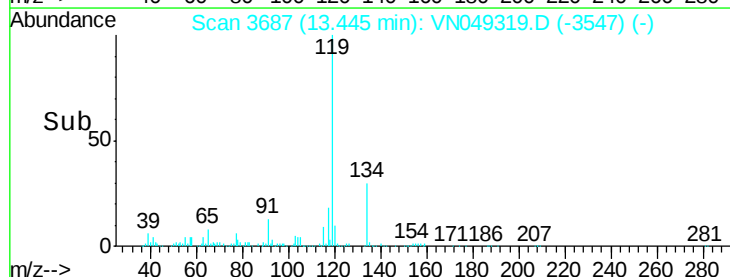
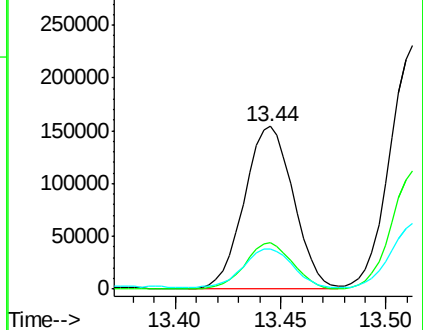
91 24.1 12.1 36.3

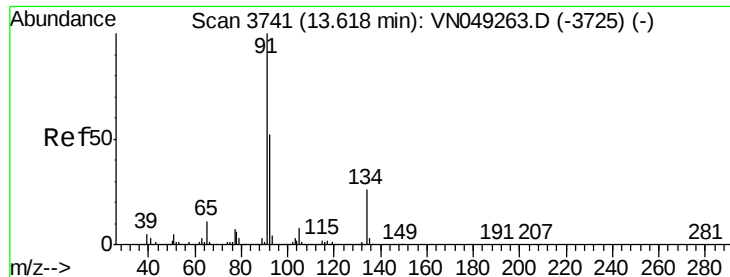


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

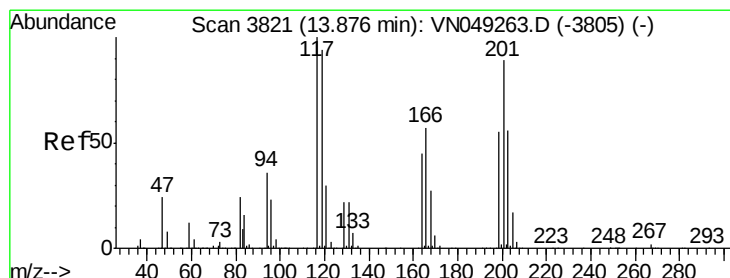
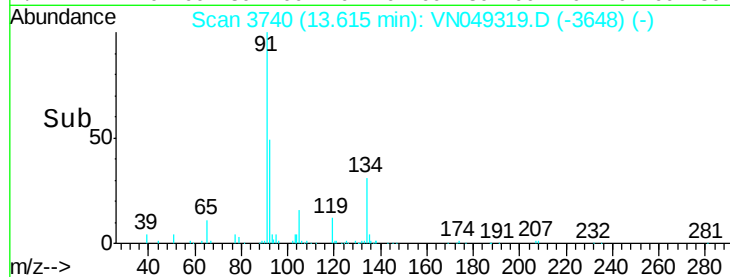
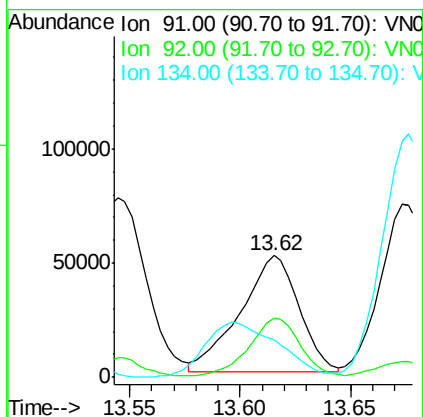
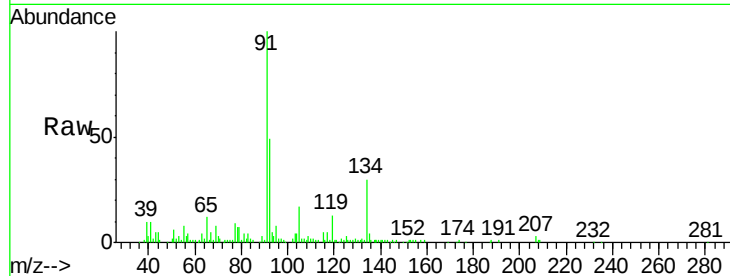




#89
n-Butylbenzene
Concen: 1.98 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049319.D
Acq: 16 Jun 2018 19:29

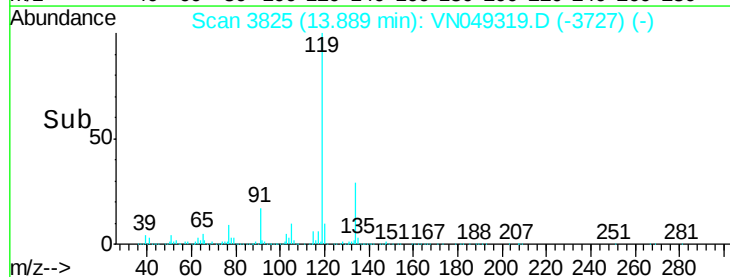
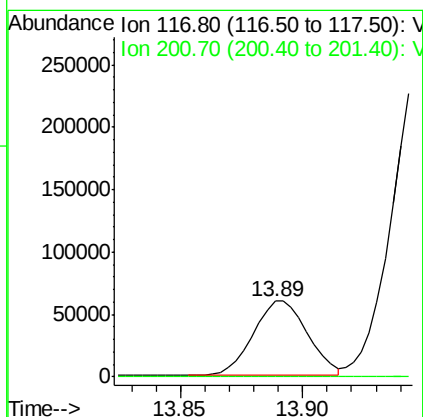
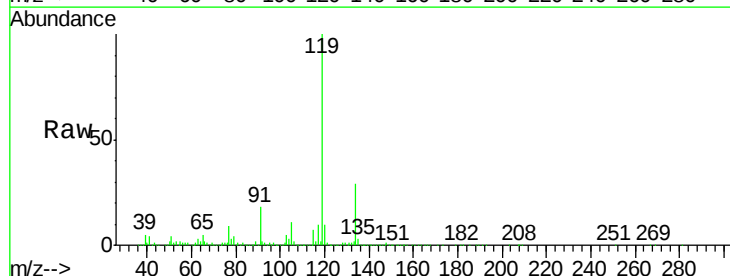
Instrument :
MSVOA_N
ClientSampled :

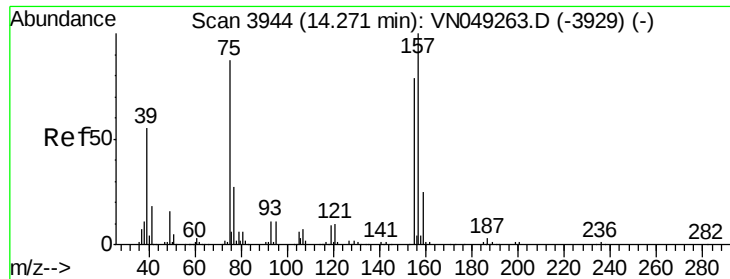
Tot Ion: 91 Resp: 94041
Ion Ratio Lower Upper
91 100
92 44.4 25.1 75.4
134 59.0 12.0 36.0#



#90
Hexachloroethane
Concen: 6.55 ug/l
RT: 13.89 min Scan# 3825
Delta R.T. 0.01 min
Lab File: VN049319.D
Acq: 16 Jun 2018 19:29

Tgt Ion: 117 Resp: 92286
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.46 ug/l

RT: 14.29 min Scan# 3951

Delta R.T. 0.02 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

Instrument :

MSVOA_N

ClientSampled :

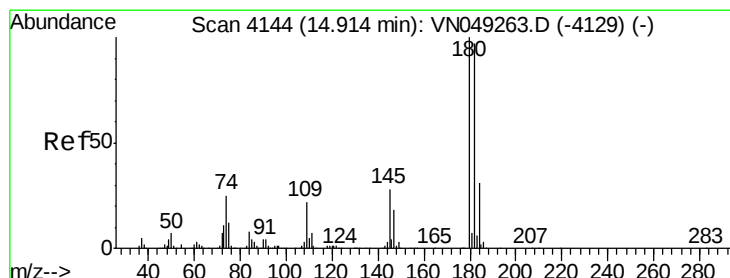
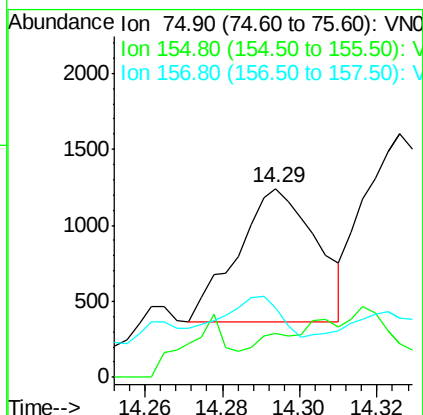
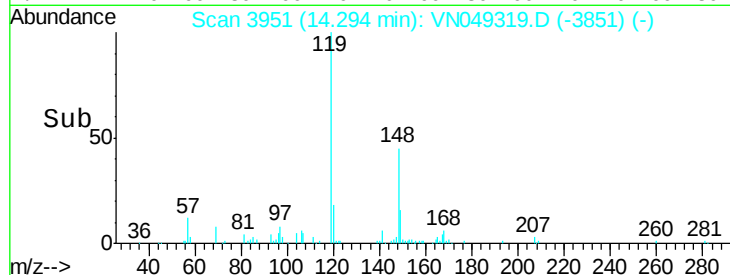
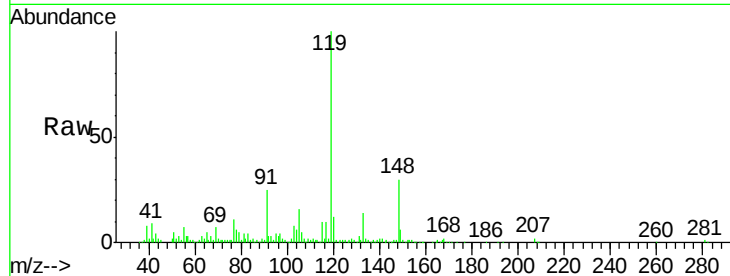
Tot Ion: 75 Resp: 1249

Ion Ratio Lower Upper

75 100

155 24.9 38.8 116.3#

157 18.7 51.0 153.1#



#93

1,2,4-Trichlorobenzene

Concen: 4.78 ug/l

RT: 14.90 min Scan# 4141

Delta R.T. -0.01 min

Lab File: VN049319.D

Acq: 16 Jun 2018 19:29

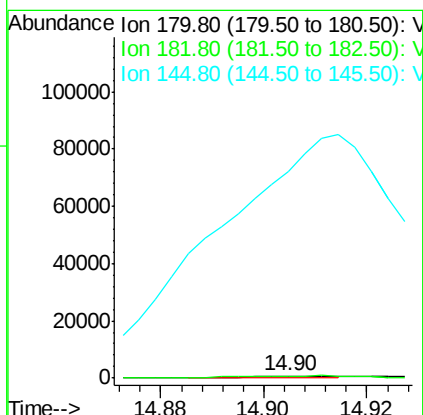
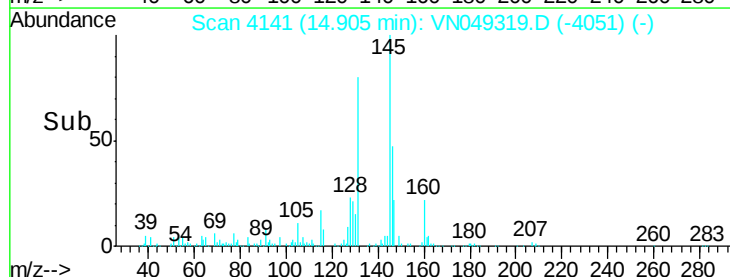
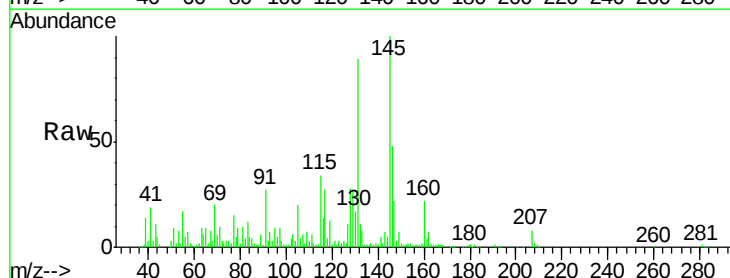
Tgt Ion: 180 Resp: 712

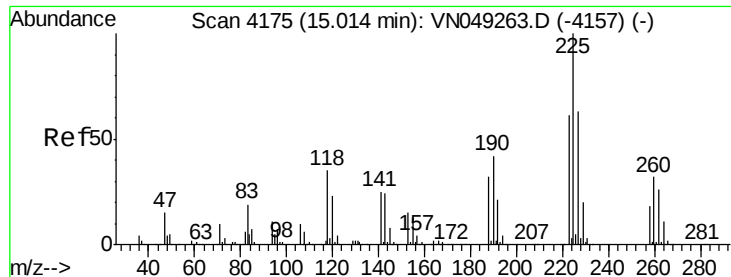
Ion Ratio Lower Upper

180 100

182 229.1 46.9 140.8#

145 25638.6 14.7 44.1#

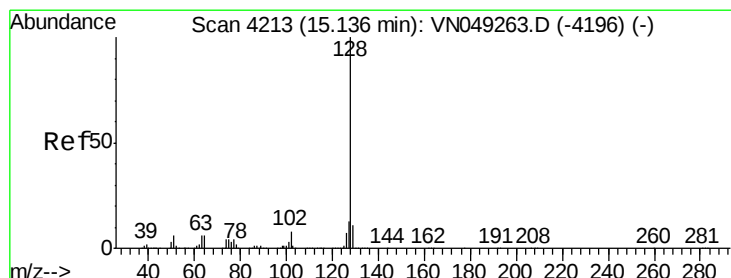
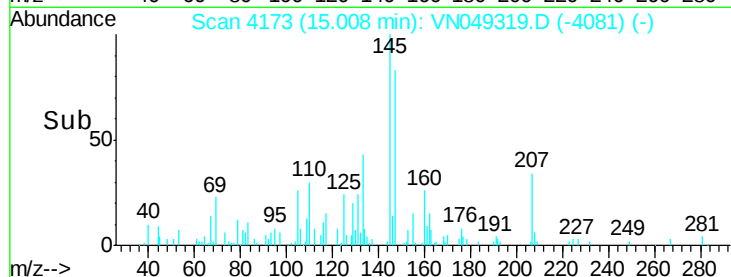
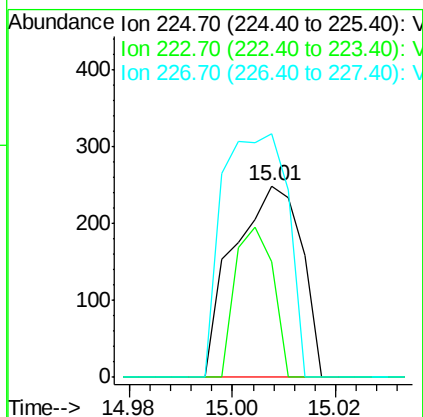
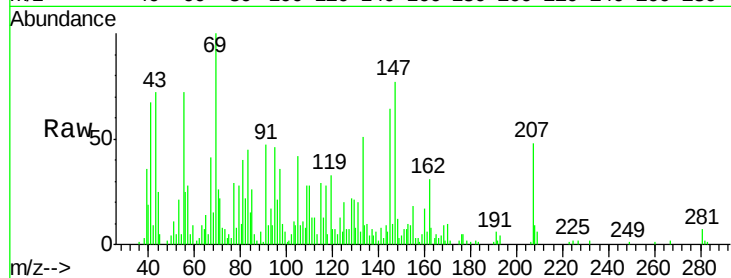




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4173
Delta R.T. -0.01 min
Lab File: VN049319.D
Acq: 16 Jun 2018 19:29

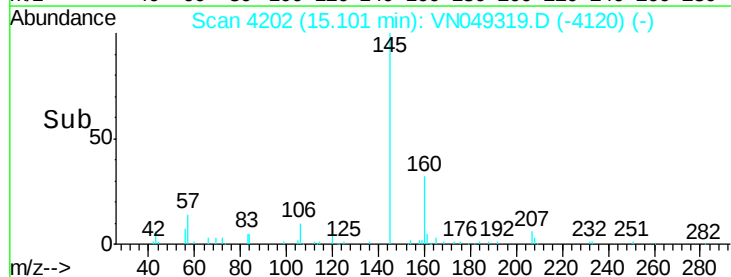
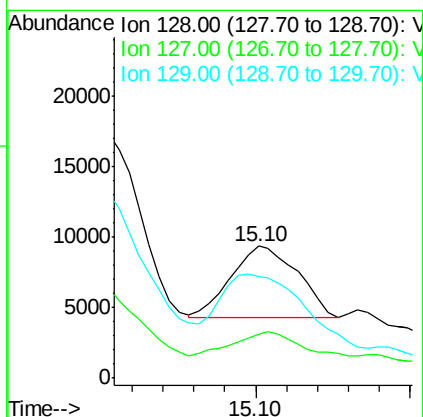
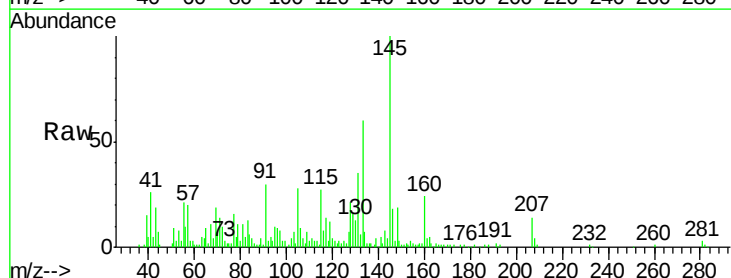
Instrument :
MSVOA_N
ClientSampled :

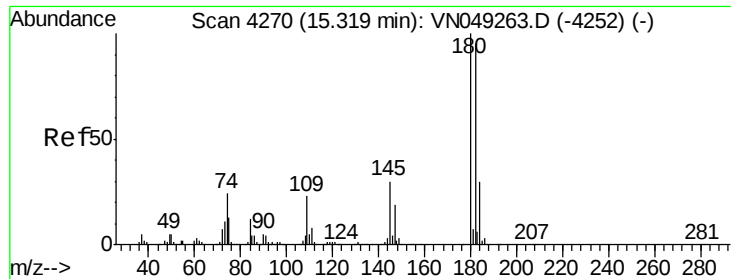
Tot Ion:225 Resp: 227
Ion Ratio Lower Upper
225 100
223 43.6 32.1 96.3
227 122.5 31.8 95.3#



#95
Naphthalene
Concen: 2.38 ug/l
RT: 15.10 min Scan# 4202
Delta R.T. -0.04 min
Lab File: VN049319.D
Acq: 16 Jun 2018 19:29

Tgt Ion:128 Resp: 7539
Ion Ratio Lower Upper
128 100
127 31.9 10.6 16.0#
129 156.9 8.5 12.7#

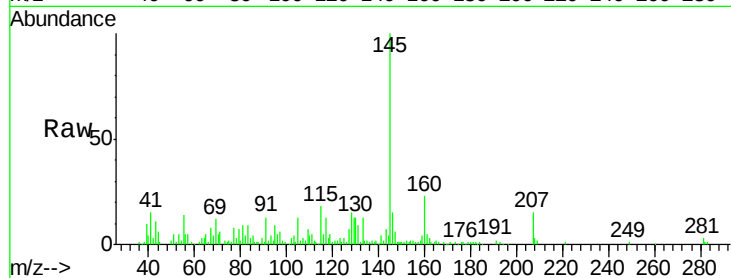




#96
 1,2,3-Trichlorobenzene
 Concen: 3.50 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049319.D
 Acq: 16 Jun 2018 19:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.8#
145	0.0	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

