

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049370.D
 Acq On : 19 Jun 2018 3:41
 Operator : MD\SY
 Sample : J3567-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 07:59:15 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	1287005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2036939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1690413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	586055	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	828673	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	7.59	113	732329	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	
50) Toluene-d8	10.09	98	2761441	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	
62) 4-Bromofluorobenzene	12.40	95	767145	36.97	ug/l	0.00
Spiked Amount			Recovery	=	73.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	3127	0.29	ug/l #	68
11) Tert butyl alcohol	4.81	59	275	0.27	ug/l #	70
14) Allyl chloride	4.55	41	245873	10.55	ug/l #	20
16) Acetone	3.83	43	31796	7.67	ug/l	96
18) Methyl Acetate	4.33	43	119886	9.49	ug/l	94
20) Methylene Chloride	4.55	84	7295634	421.46	ug/l	92
25) 2-Butanone	6.85	43	4114	0.74	ug/l	91
29) Tetrahydrofuran	7.22	42	926	0.26	ug/l #	53
30) Chloroform	7.38	83	11166	0.38	ug/l	96
31) Cyclohexane	7.67	56	22948	0.74	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	91487	3.92	ug/l #	49
38) Carbon Tetrachloride	7.67	117	115969	4.80	ug/l #	17
43) Isopropyl Acetate	8.20	43	814424	33.59	ug/l #	65
47) Bromodichloromethane	9.40	83	5712	0.24	ug/l	91
49) 1,4-Dioxane	9.20	88	83	0.53	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5876	0.46	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	31	14.33	ug/l #	51
65) Chlorobenzene	11.43	112	14627	0.34	ug/l	99
71) Bromoform	12.41	173	5895	0.56	ug/l #	1
73) Isopropylbenzene	12.25	105	16939	0.33	ug/l	96
74) N-amyl acetate	12.05	43	3126	0.25	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.49	83	31	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	372151	37.22	ug/l #	100
77) Bromobenzene	12.56	156	22095	1.63	ug/l #	1
78) n-propylbenzene	12.59	91	39949	0.71	ug/l	98
79) 2-Chlorotoluene	12.59	91	39949	1.12	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.40	75	372151	117.62	ug/l #	9
82) 4-Chlorotoluene	12.59	91	39949	1.16	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.04	105	9988	0.25	ug/l	100
85) sec-Butylbenzene	13.17	105	28292	0.59	ug/l	86
86) p-Isopropyltoluene	13.44	119	9085	0.23	ug/l	85
89) n-Butylbenzene	13.62	91	6282	0.20	ug/l #	82
90) Hexachloroethane	13.89	117	8287	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.91	180	1525	4.88	ug/l #	1

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

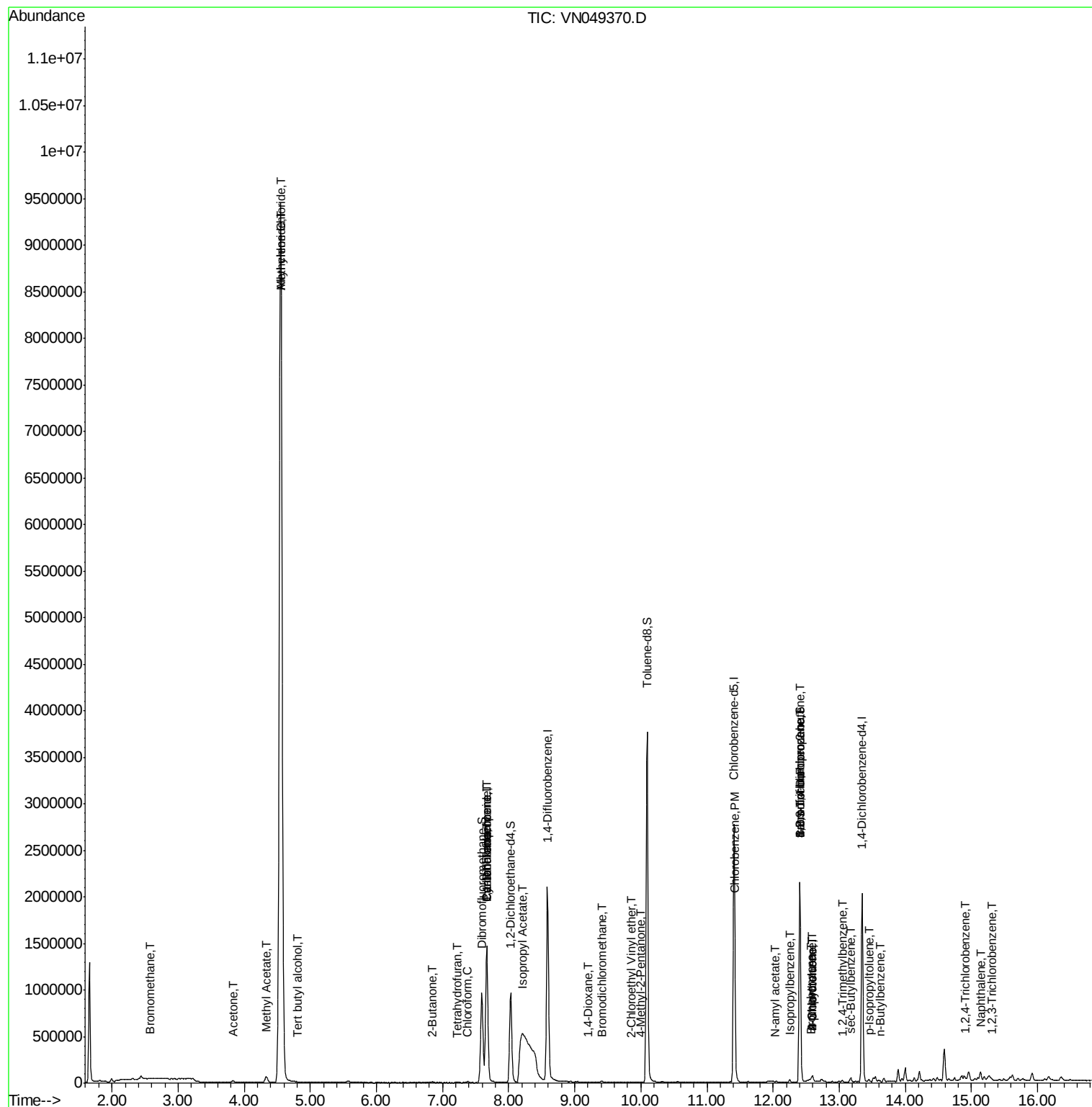
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.14	128	82490	7.09	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	394	3.49	ug/l #	57

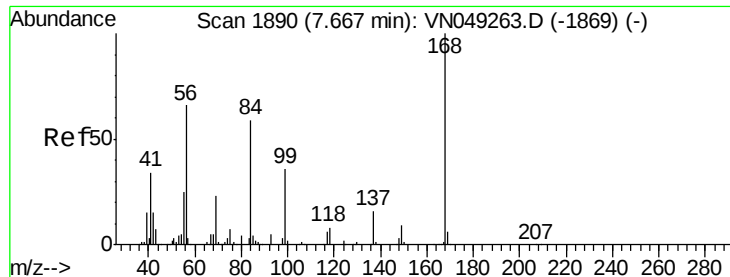
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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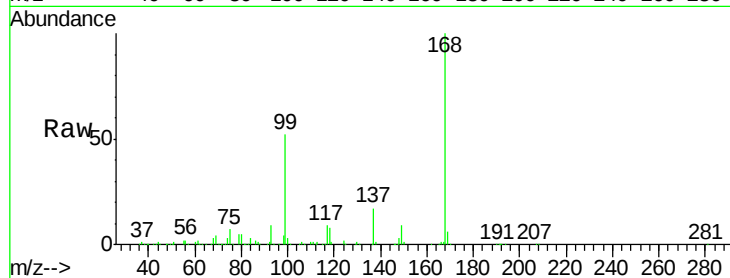


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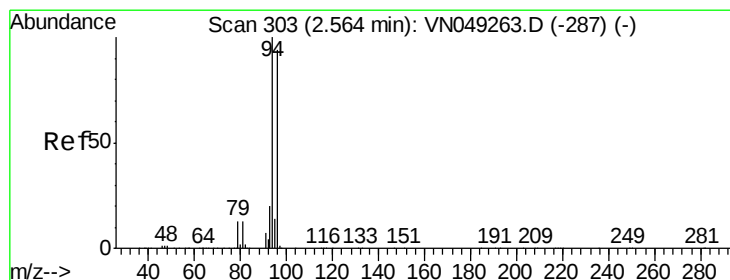
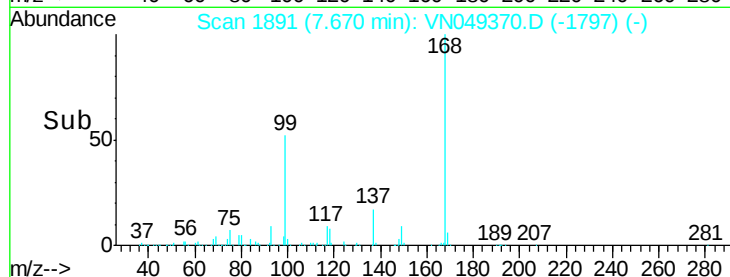
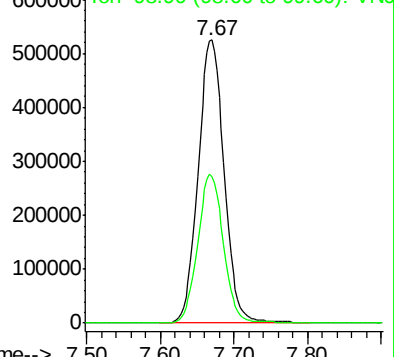
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN049370.D
 Acq: 19 Jun 2018 3:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:168 Resp: 1287005
 Ion Ratio Lower Upper
 168 100
 99 51.9 45.8 68.6



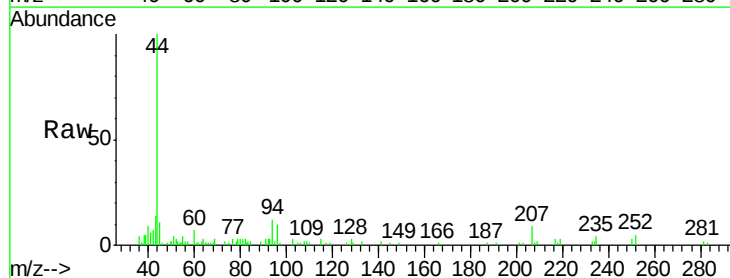
Abundance Ion 167.90 (167.60 to 168.60): V



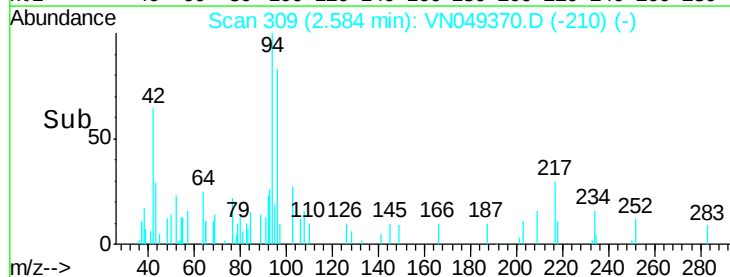
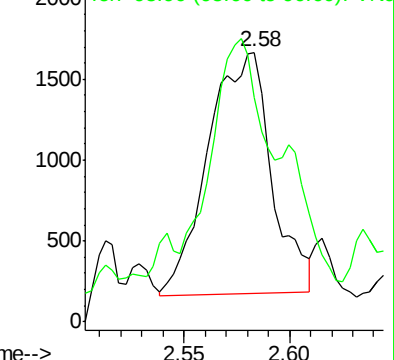
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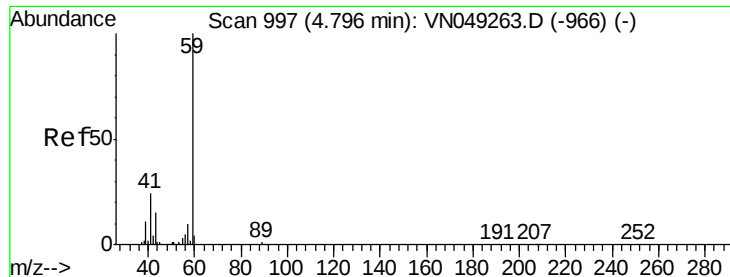
Bromomethane
 Concen: 0.29 ug/l
 RT: 2.58 min Scan# 309
 Delta R.T. 0.02 min
 Lab File: VN049370.D
 Acq: 19 Jun 2018 3:41

Tgt Ion: 94 Resp: 3127
 Ion Ratio Lower Upper
 94 100
 96 61.1 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO



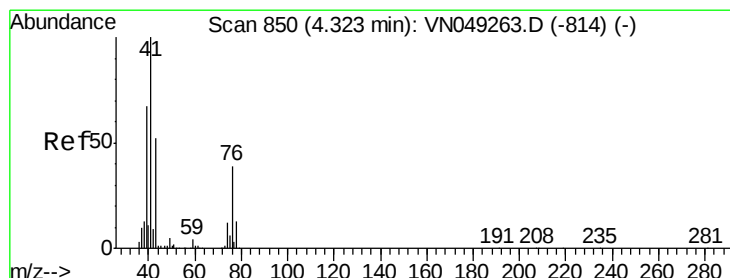
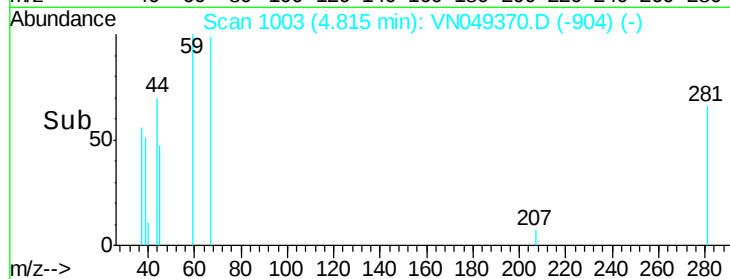
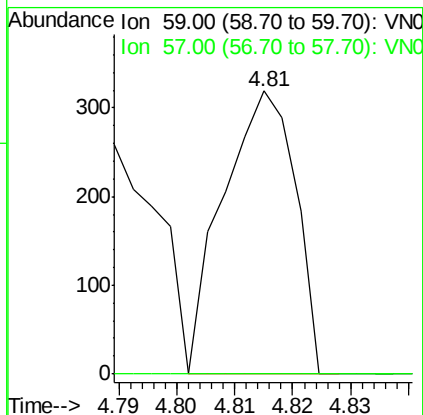
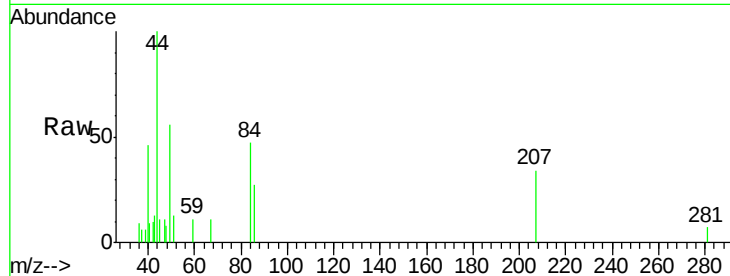


#11

Tert butyl alcohol
 Concen: 0.27 ug/l
 RT: 4.81 min Scan# 1003
 Delta R.T. 0.02 min
 Lab File: VN049370.D
 Acq: 19 Jun 2018 3:41

Instrument :
 MSVOA_N
 ClientSampleId :

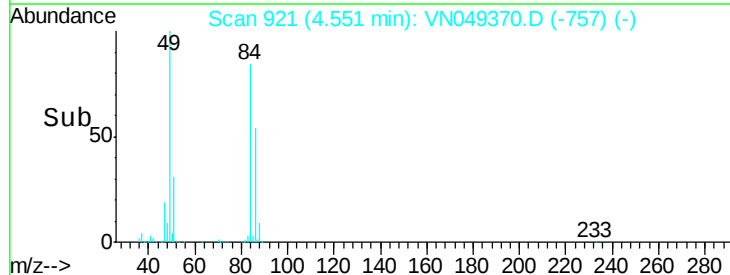
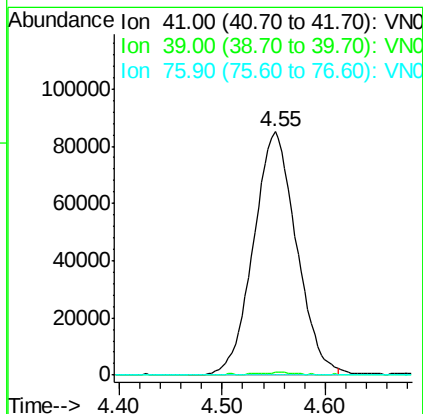
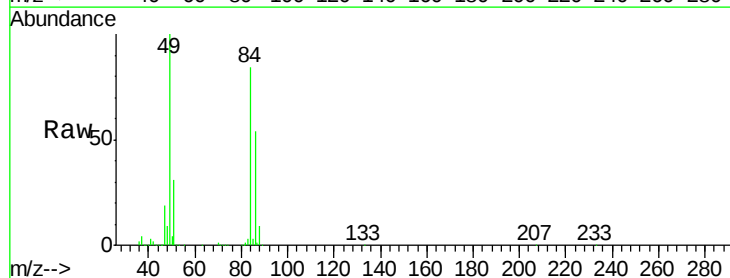
Tot Ion: 59 Resp: 275
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

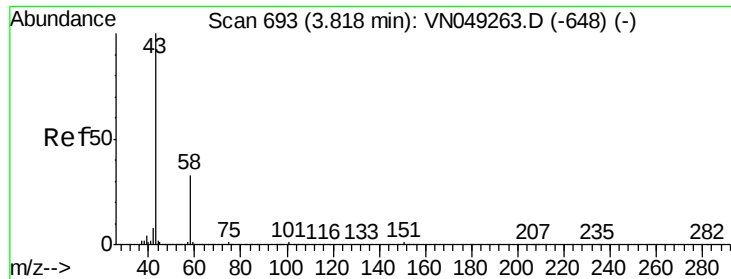


#14

Allyl chloride
 Concen: 10.55 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.23 min
 Lab File: VN049370.D
 Acq: 19 Jun 2018 3:41

Tgt Ion: 41 Resp: 245873
 Ion Ratio Lower Upper
 41 100
 39 0.6 62.5 93.7#
 76 0.0 27.1 40.7#

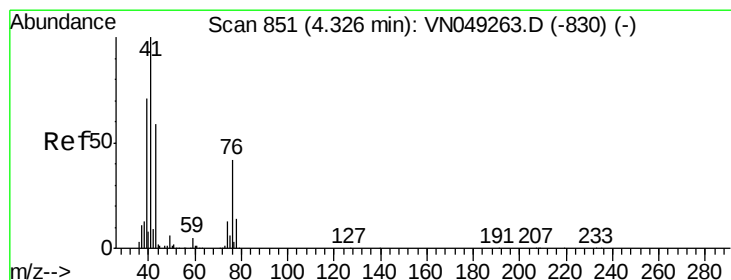
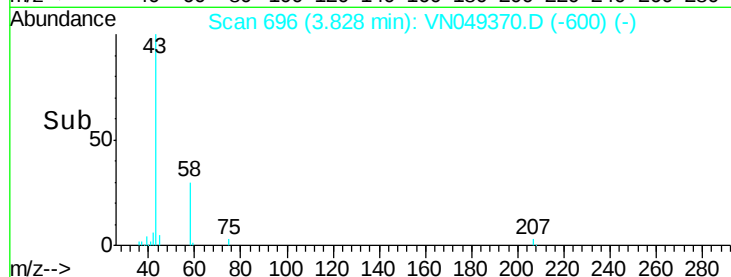
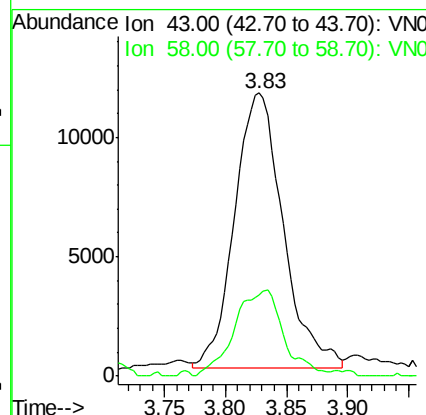
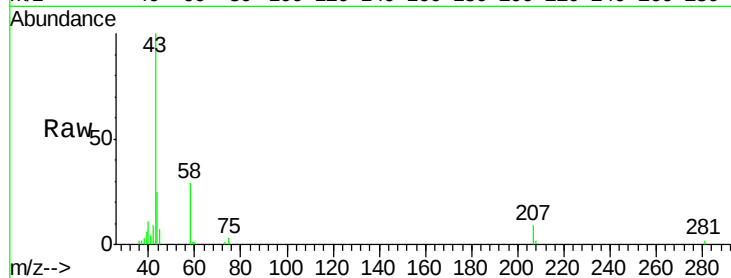




#16
Acetone
Concen: 7.67 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

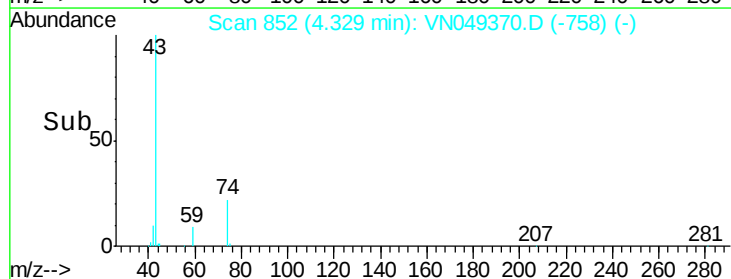
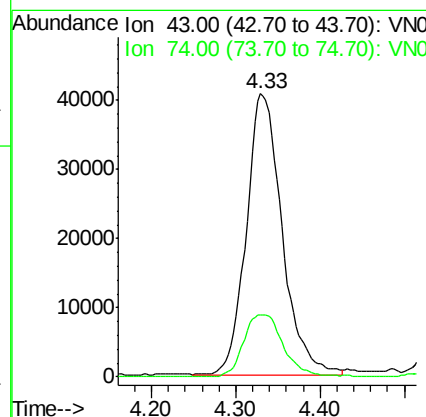
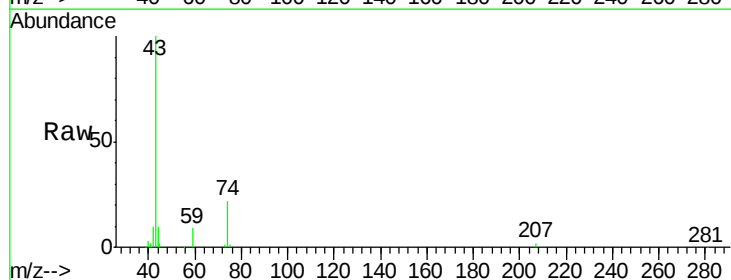
Instrument :
MSVOA_N
ClientSampleId :

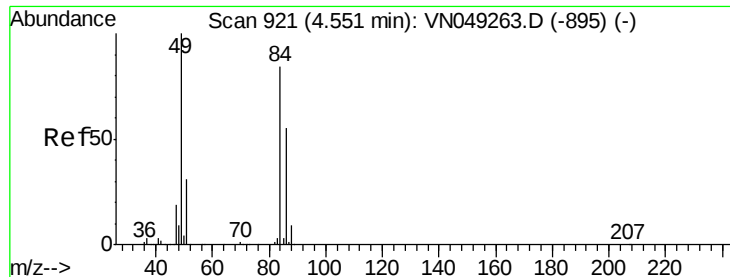
Tot Ion: 43 Resp: 31796
Ion Ratio Lower Upper
43 100
58 30.1 22.4 33.6



#18
Methyl Acetate
Concen: 9.49 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

Tgt Ion: 43 Resp: 119886
Ion Ratio Lower Upper
43 100
74 24.5 17.4 26.0





#20

Methylene Chloride

Concen: 421.46 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 7295634

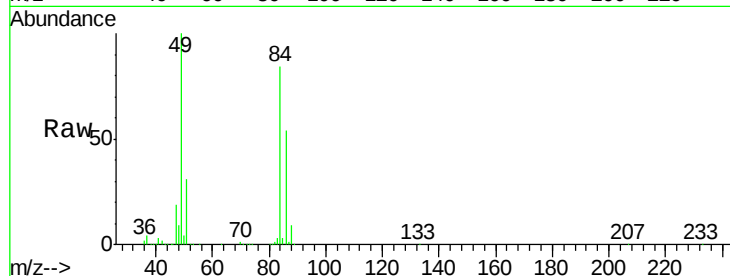
Ion	Ratio	Lower	Upper
84	100		
49	119.6	106.9	160.3
51	37.1	32.7	49.1
86	64.5	49.8	74.8

84 100

49 119.6 106.9 160.3

51 37.1 32.7 49.1

86 64.5 49.8 74.8

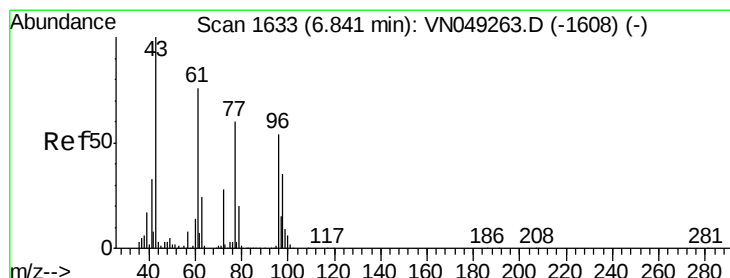
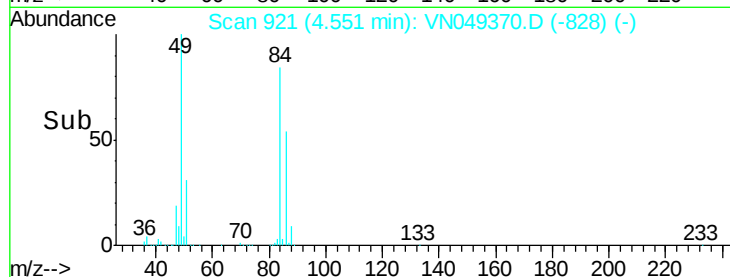
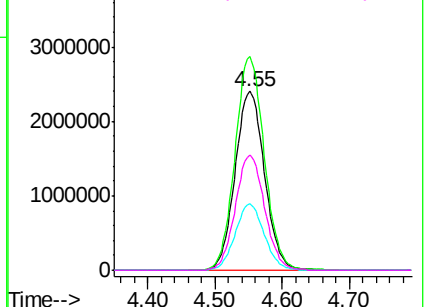


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.74 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN049370.D

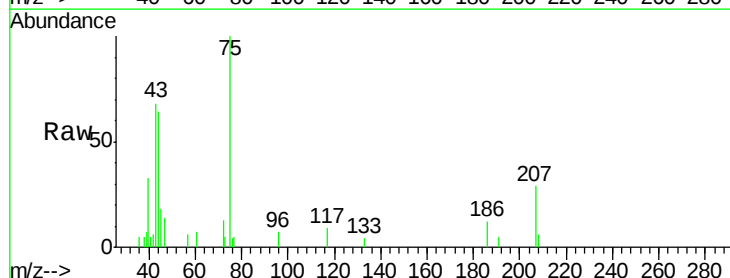
Acq: 19 Jun 2018 3:41

Tgt Ion: 43 Resp: 4114

Ion	Ratio	Lower	Upper
43	100		
72	20.6	20.2	30.2

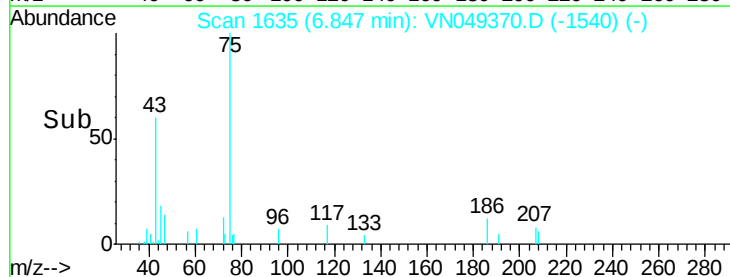
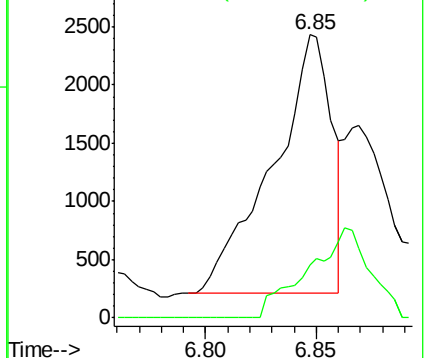
43 100

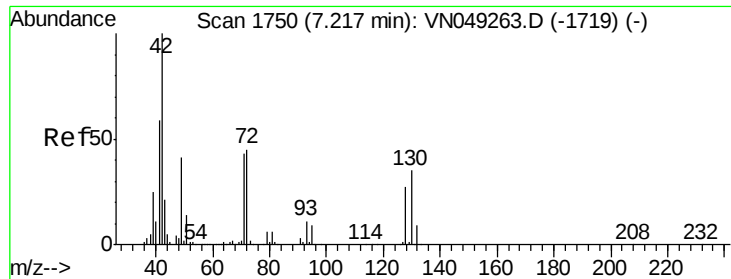
72 20.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

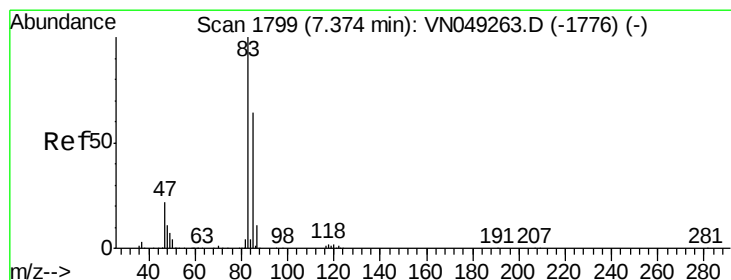
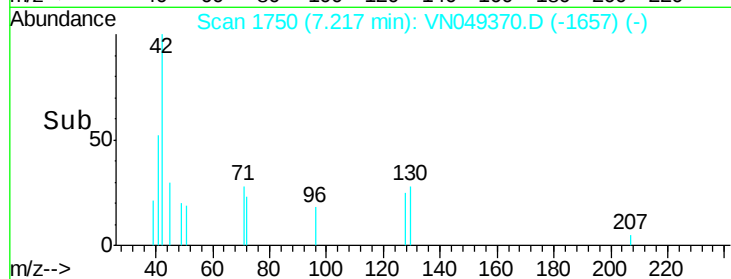
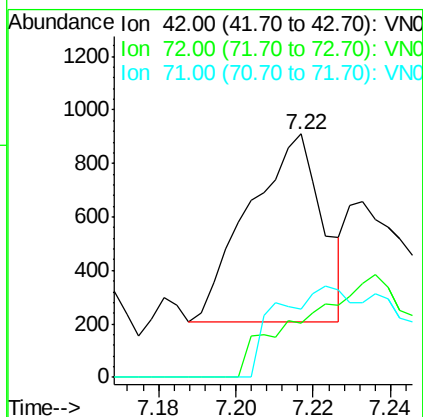
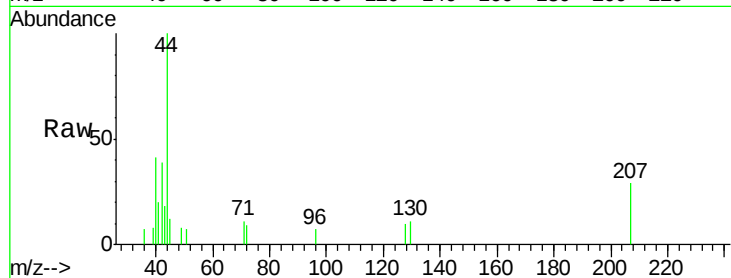




#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

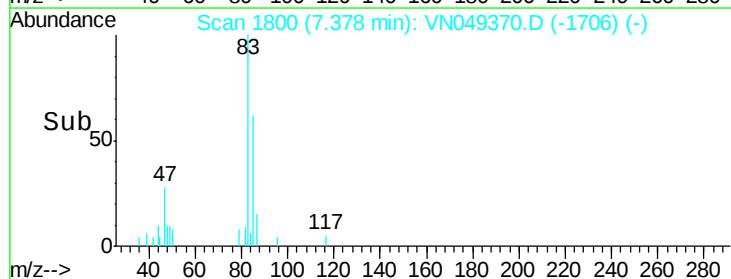
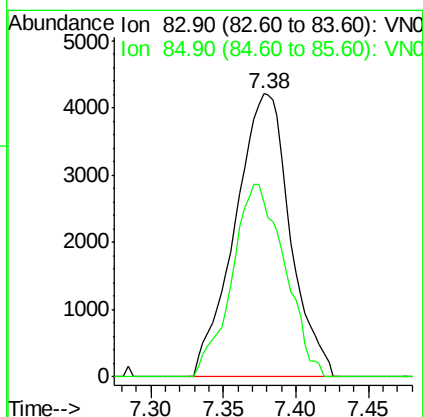
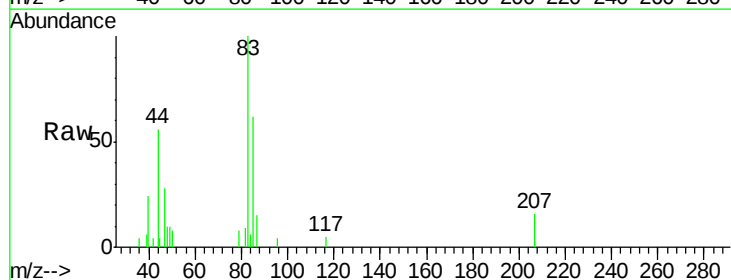
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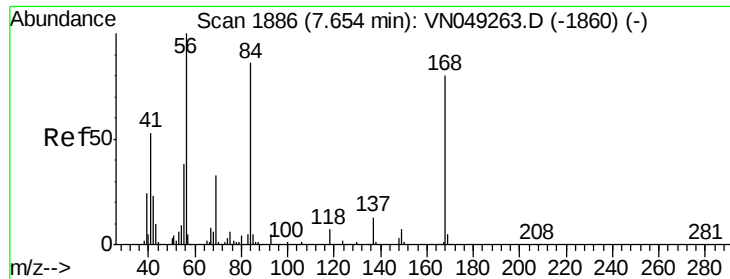
Tot Ion: 42 Resp: 926
Ion Ratio Lower Upper
42 100
72 81.3 32.2 48.4#
71 53.7 30.5 45.7#



#30
Chloroform
Concen: 0.38 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

Tgt Ion: 83 Resp: 11166
Ion Ratio Lower Upper
83 100
85 61.7 51.7 77.5

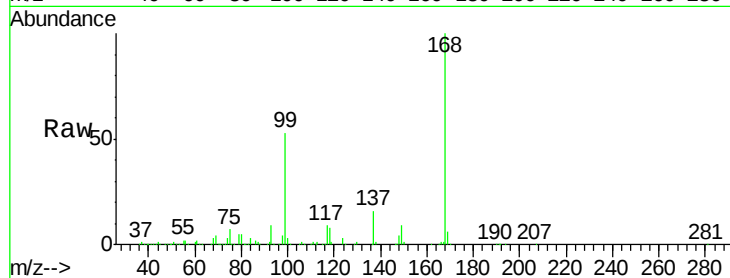




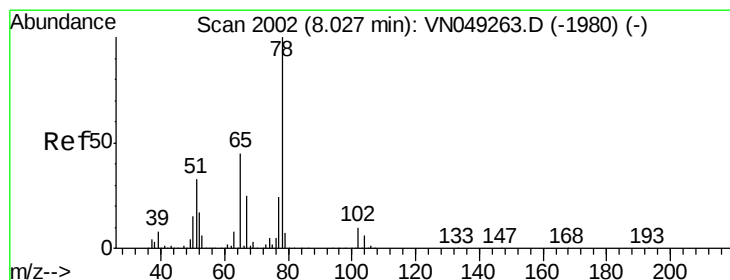
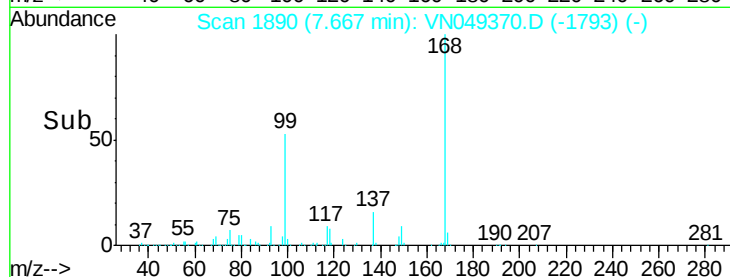
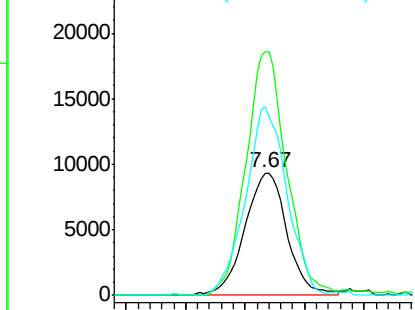
#31
Cyclohexane
Concen: 0.74 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 22948
Ion Ratio Lower Upper
56 100
69 199.3 25.0 37.4#
84 154.3 64.6 96.8#

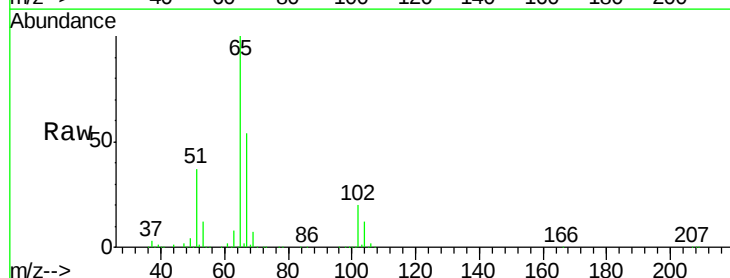


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

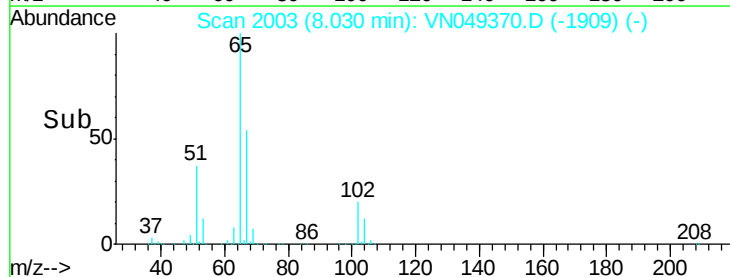
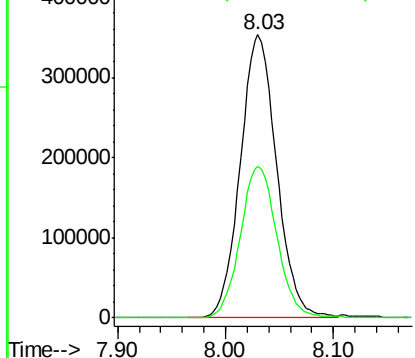


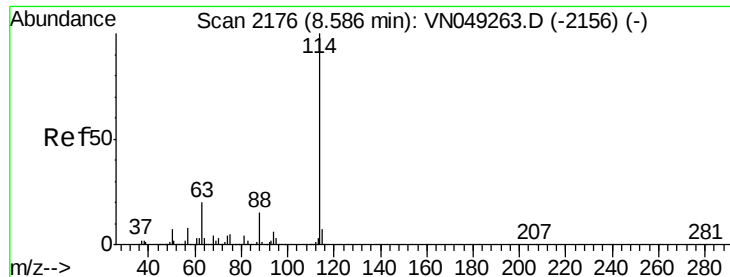
#33
1,2-Dichloroethane-d4
Concen: 48.55 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

Tgt Ion: 65 Resp: 828673
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.8



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

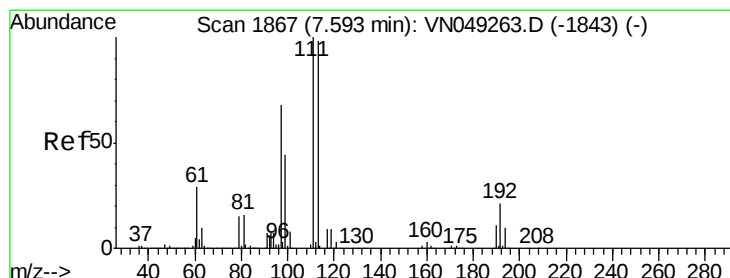
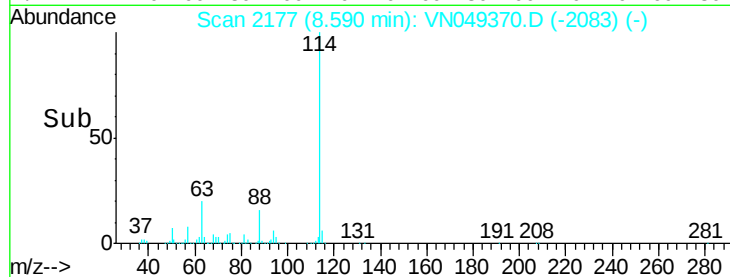
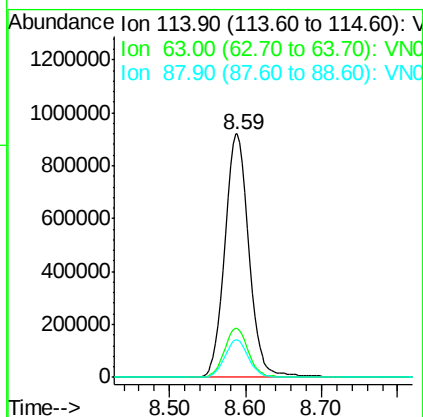
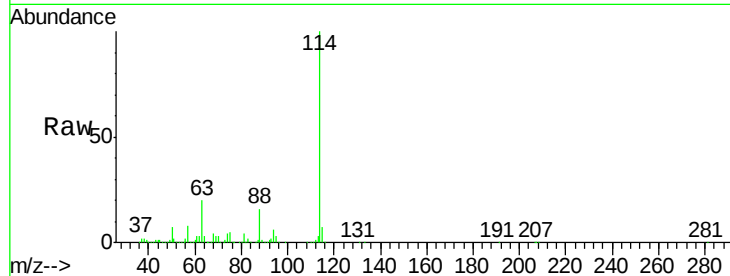




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049370.D
 Acq: 19 Jun 2018 3:41

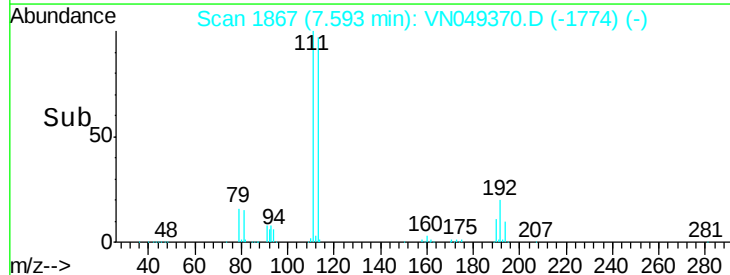
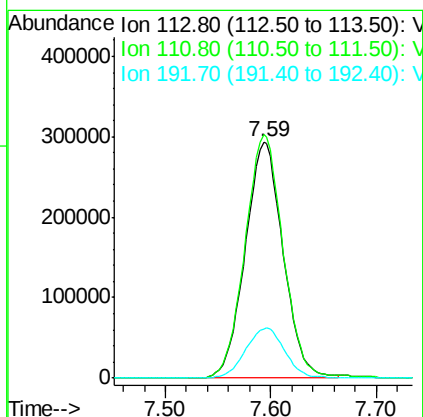
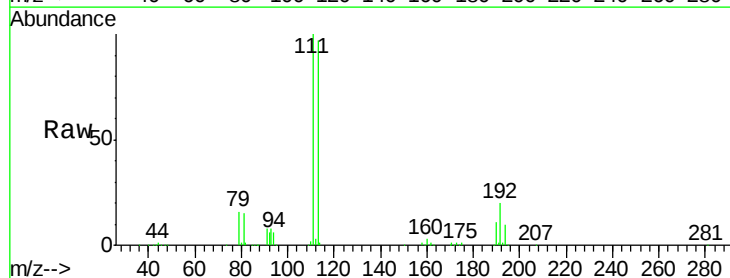
Instrument :
 MSVOA_N
 ClientSampleId :

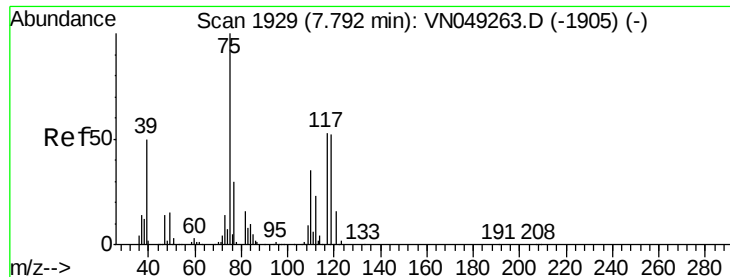
Tot Ion:114 Resp: 2036939
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 44.4
 88 15.7 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 44.44 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049370.D
 Acq: 19 Jun 2018 3:41

Tgt Ion:113 Resp: 732329
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.4 123.6
 192 22.1 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.92 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

ClientSampled :

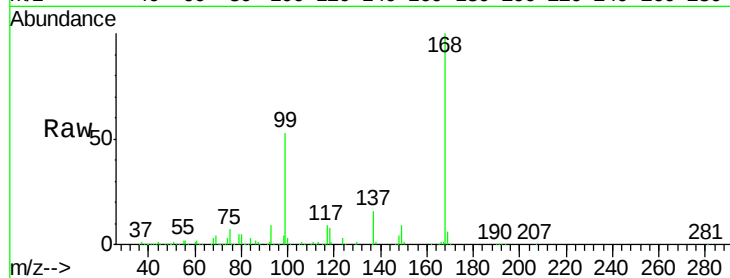
Tot Ion: 75 Resp: 91487

Ion Ratio Lower Upper

75 100

110 7.5 17.0 50.9#

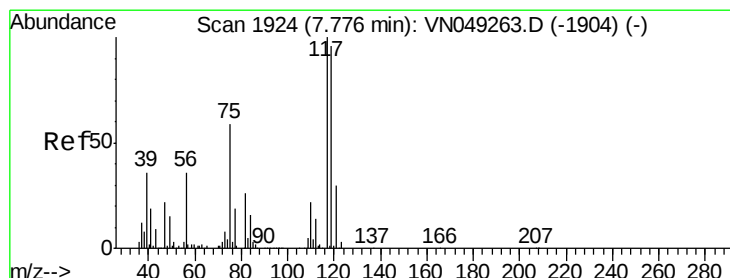
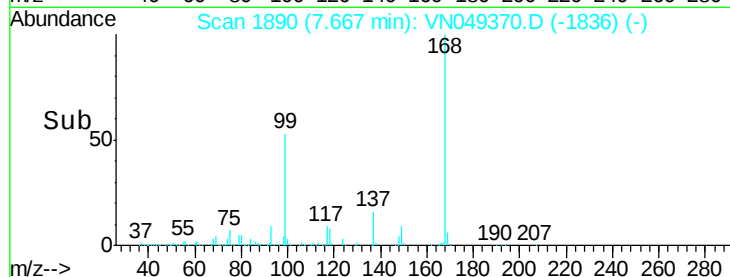
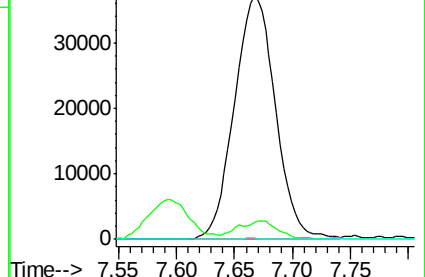
77 0.1 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN049370.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049370.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049370.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 4.80 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

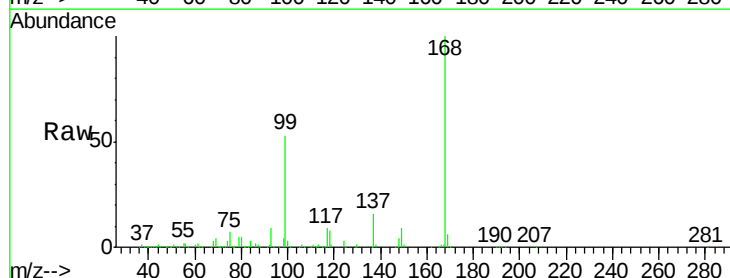
Tgt Ion: 117 Resp: 115969

Ion Ratio Lower Upper

117 100

119 5.7 75.6 113.4#

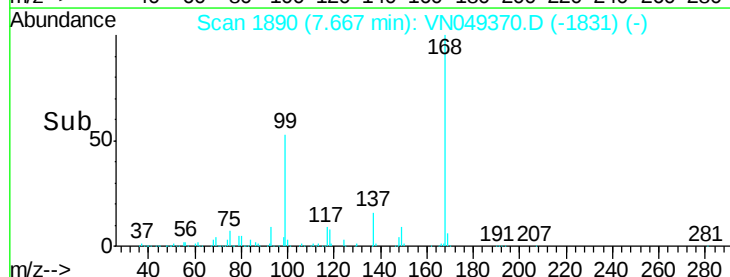
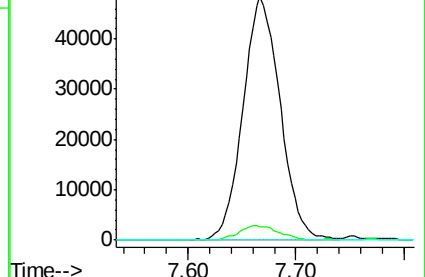
121 0.0 24.7 37.1#

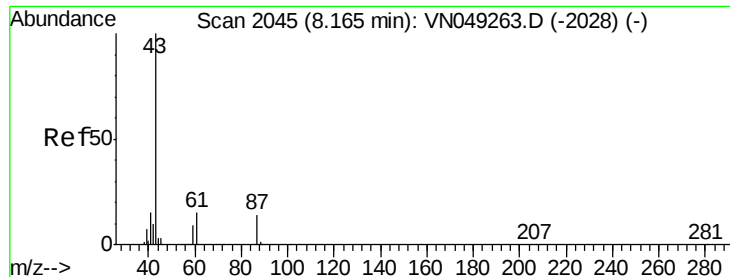


Abundance Ion 116.80 (116.50 to 117.50): VN049370.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049370.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049370.D (-1831) (-)





#43

Isopropyl Acetate

Concen: 33.59 ug/l

RT: 8.20 min Scan# 2057

Delta R.T. 0.04 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

ClientSampleId :

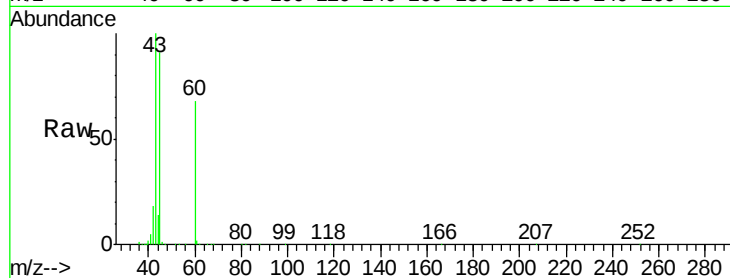
Tot Ion: 43 Resp: 814424

Ion Ratio Lower Upper

43 100

61 1.2 14.2 21.4#

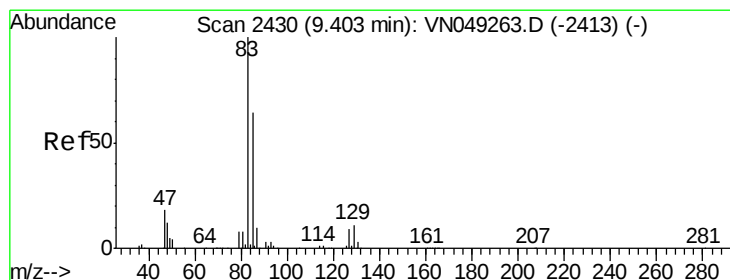
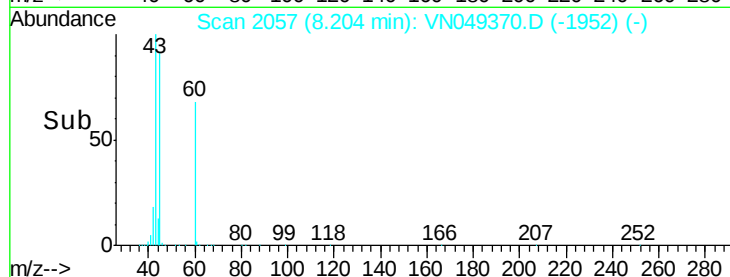
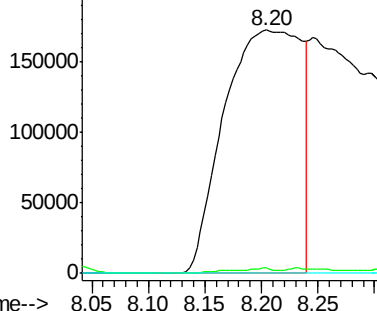
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049370.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049370.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049370.D (-1952) (-)



#47

Bromodichloromethane

Concen: 0.24 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

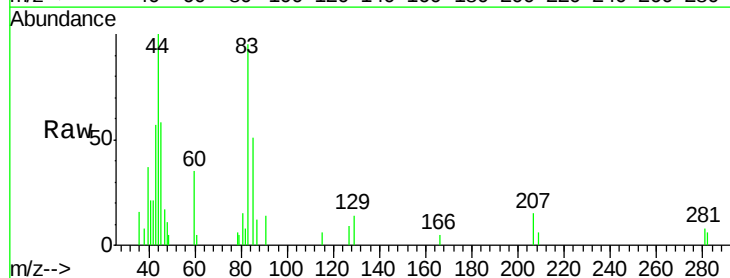
Tgt Ion: 83 Resp: 5712

Ion Ratio Lower Upper

83 100

85 54.2 49.4 74.0

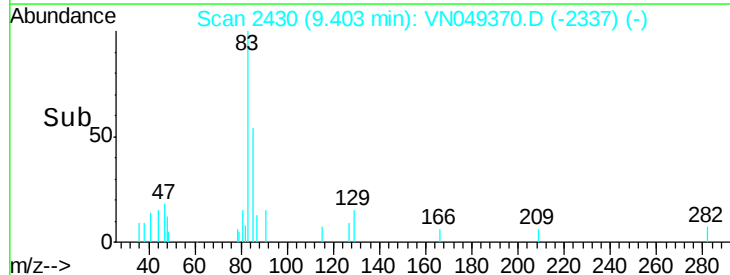
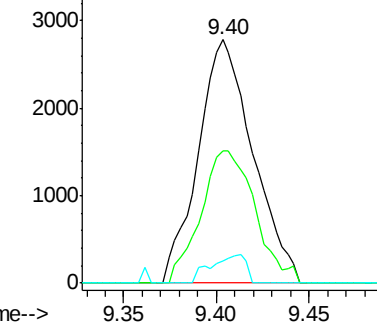
127 9.3 6.3 9.5

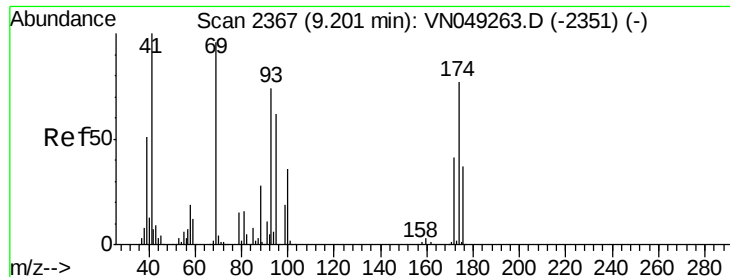


Abundance Ion 82.90 (82.60 to 83.60): VN049370.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049370.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049370.D (-2337) (-)

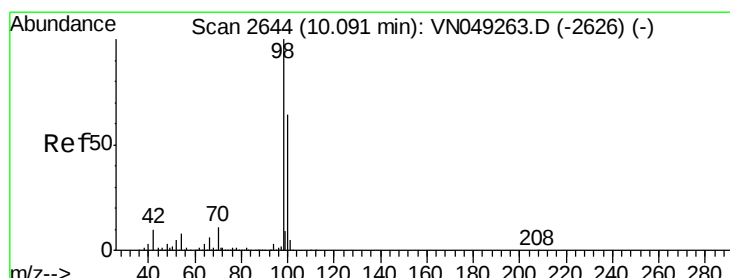
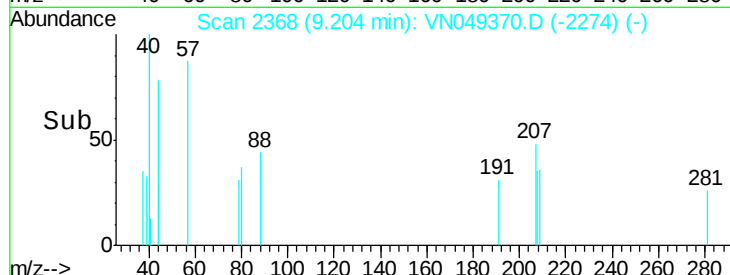
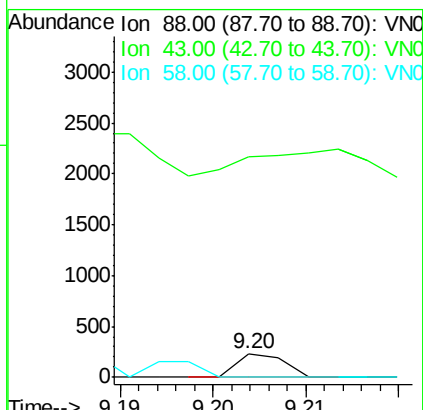
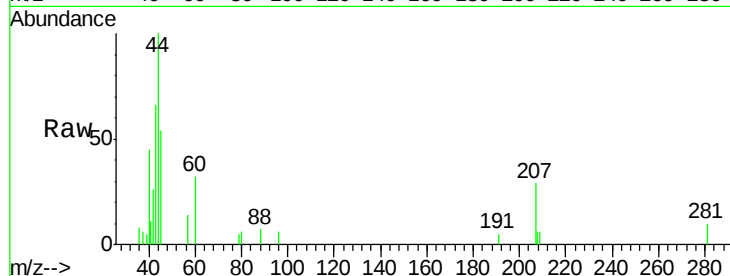




#49
1,4-Dioxane
Concen: 0.53 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

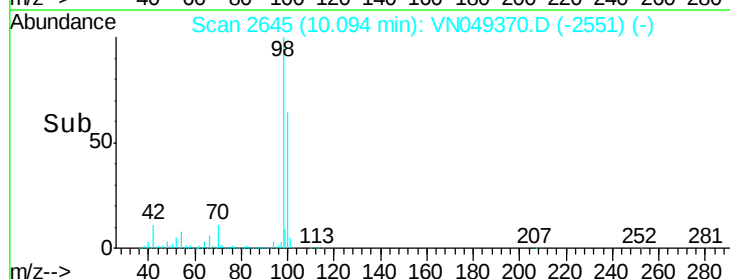
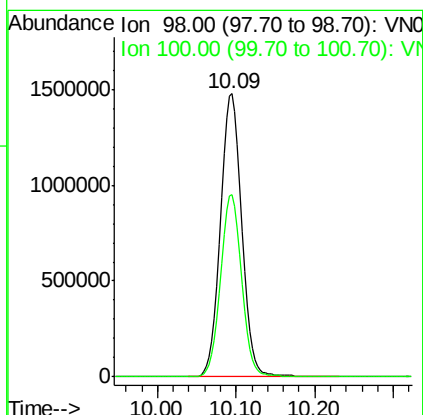
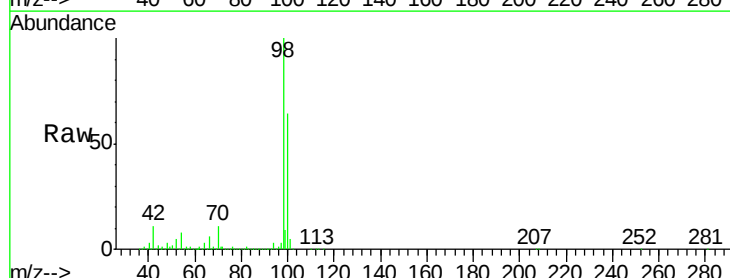
Instrument :
MSVOA_N
ClientSampled :

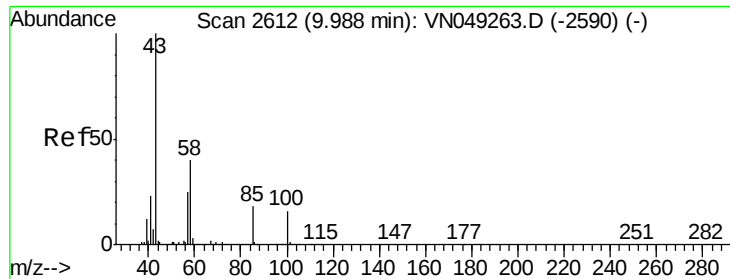
Tot Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 839.8 30.9 46.3#
58 74.7 58.9 88.3



#50
Toluene-d8
Concen: 44.01 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

Tgt Ion: 98 Resp: 2761441
Ion Ratio Lower Upper
98 100
100 63.7 49.8 74.8

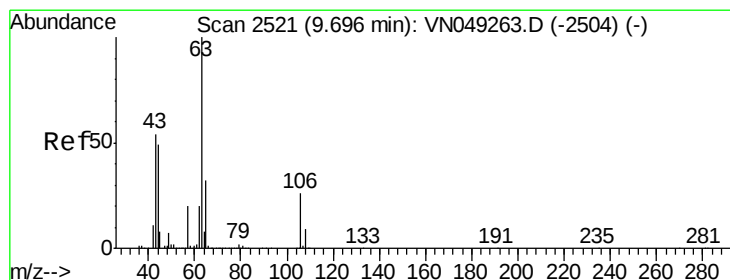
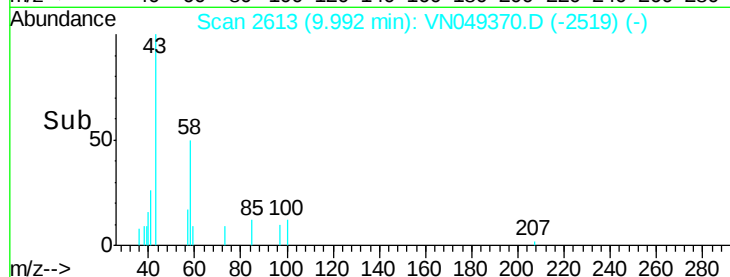
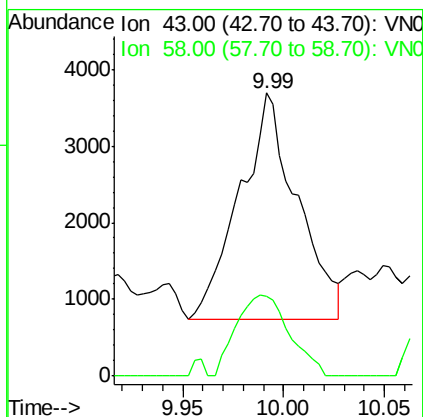
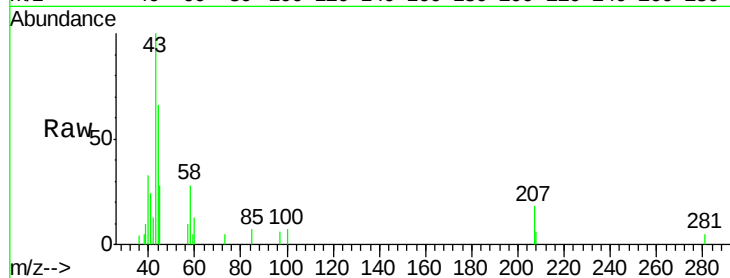




#51
4-Methyl-2-Pentanone
Concen: 0.46 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.00 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

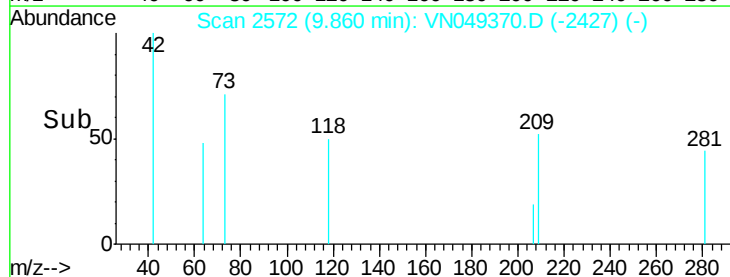
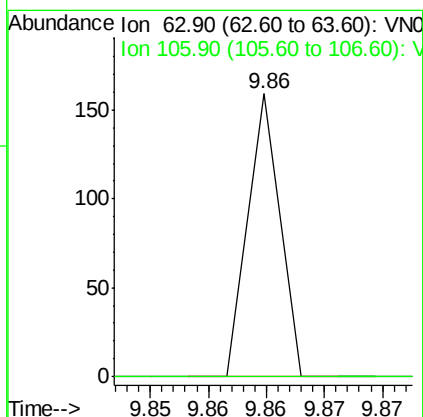
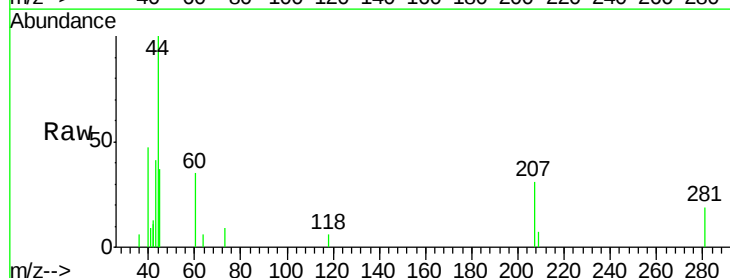
Instrument :
MSVOA_N
ClientSampled :

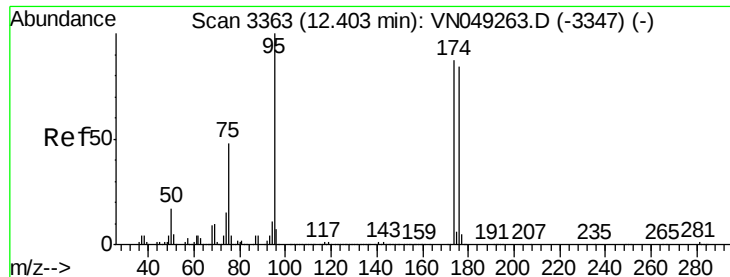
Tot Ion: 43 Resp: 5876
Ion Ratio Lower Upper
43 100
58 33.3 29.0 43.6



#58
2-Chloroethyl Vinyl ether
Concen: 14.33 ug/l
RT: 9.86 min Scan# 2572
Delta R.T. 0.16 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

Tgt Ion: 63 Resp: 31
Ion Ratio Lower Upper
63 100
106 0.0 19.4 29.2#





#62

4-Bromofluorobenzene

Concen: 36.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

ClientSampled :

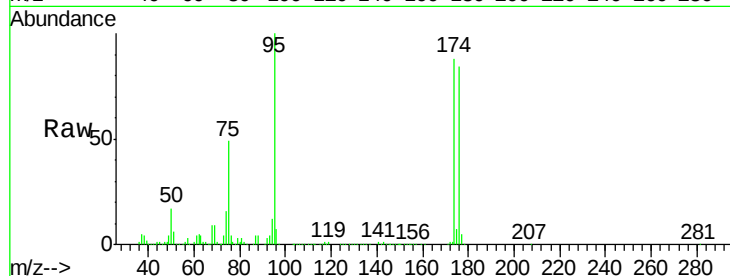
Tot Ion: 95 Resp: 767145

Ion Ratio Lower Upper

95 100

174 88.4 0.0 165.6

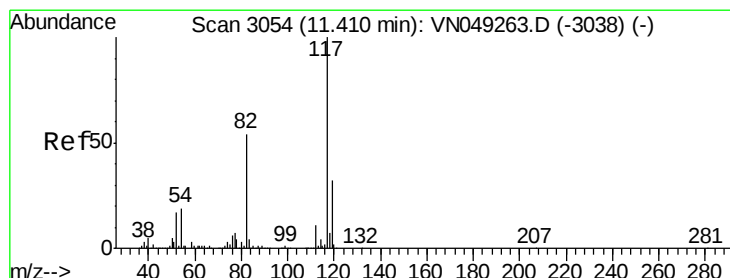
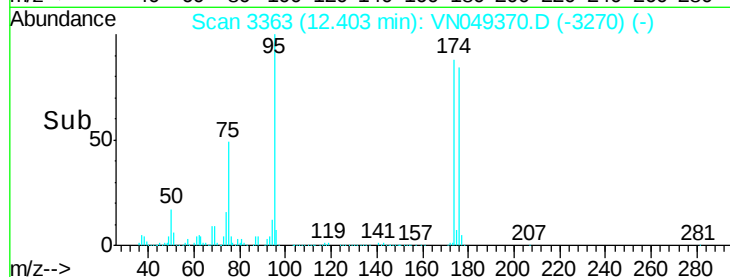
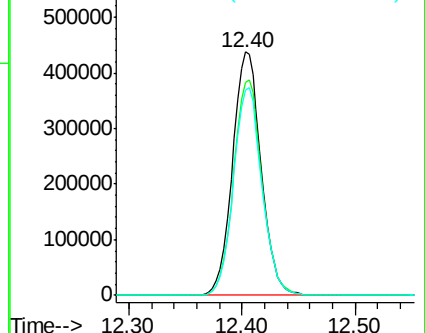
176 85.0 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049370.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049370.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049370.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

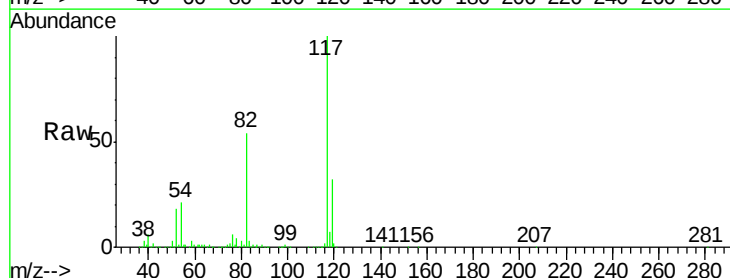
Tgt Ion: 117 Resp: 1690413

Ion Ratio Lower Upper

117 100

82 53.8 45.9 68.9

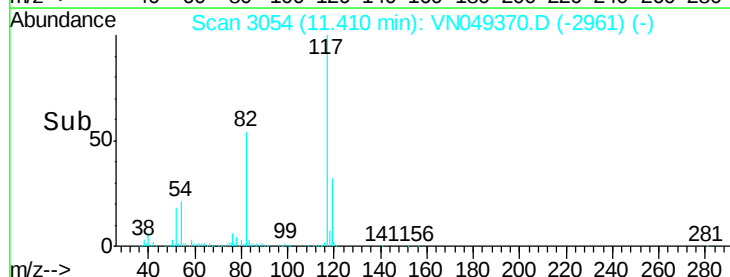
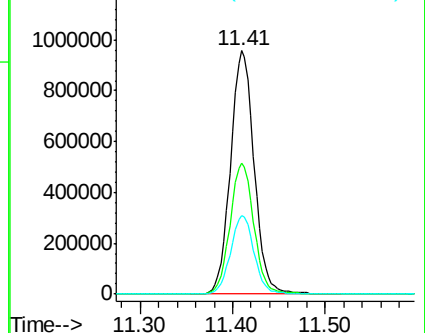
119 32.2 25.5 38.3

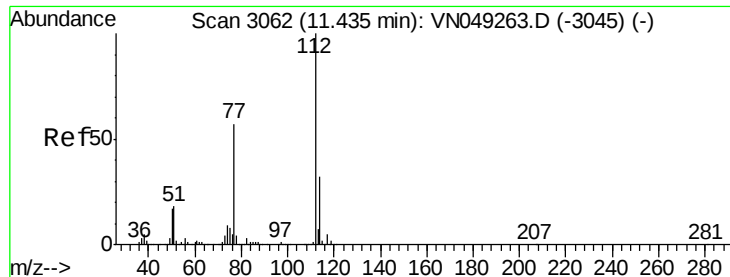


Abundance Ion 116.90 (116.60 to 117.60): VN049370.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049370.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049370.D (-2961) (-)





#65

Chlorobenzene

Concen: 0.34 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

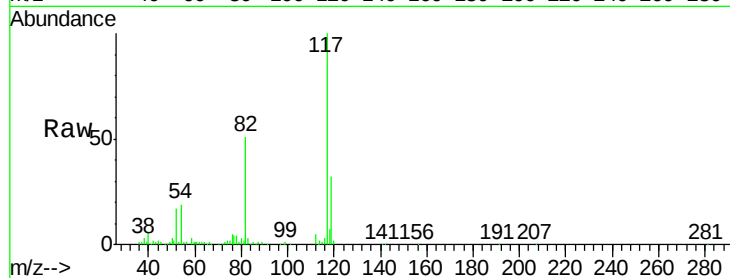
ClientSampleId :

Tot Ion:112 Resp: 14627

Ion Ratio Lower Upper

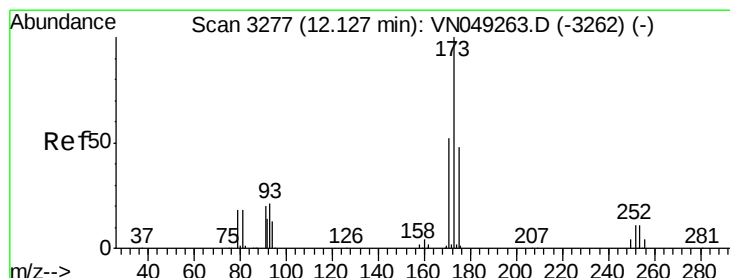
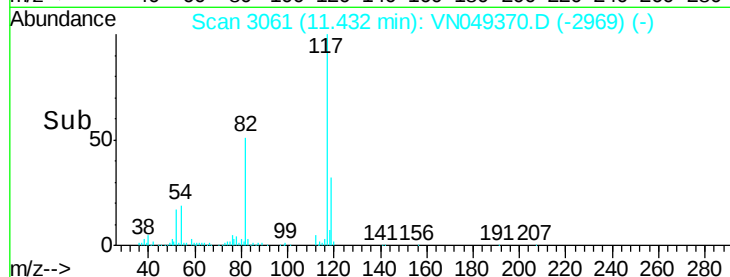
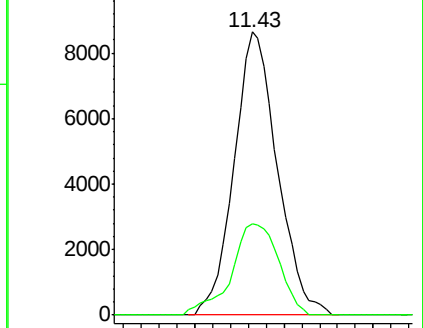
112 100

114 32.1 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#71

Bromoform

Concen: 0.56 ug/l

RT: 12.41 min Scan# 3365

Delta R.T. 0.28 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

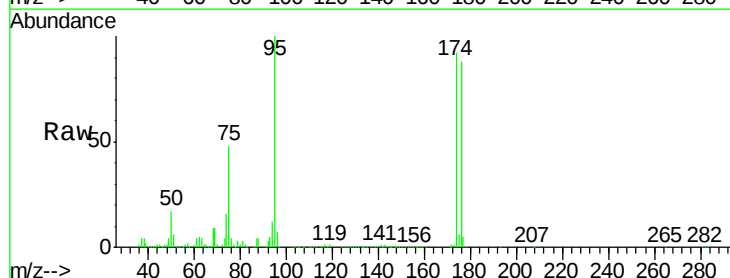
Tgt Ion:173 Resp: 5895

Ion Ratio Lower Upper

173 100

175 675.4 24.5 73.5#

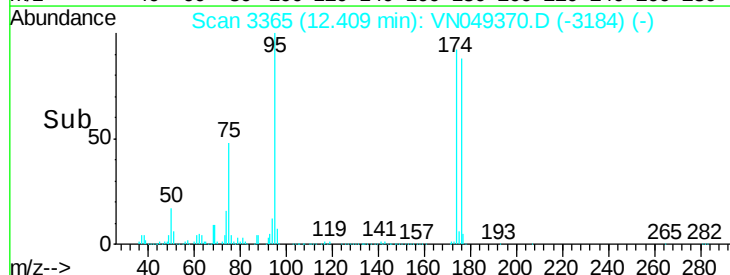
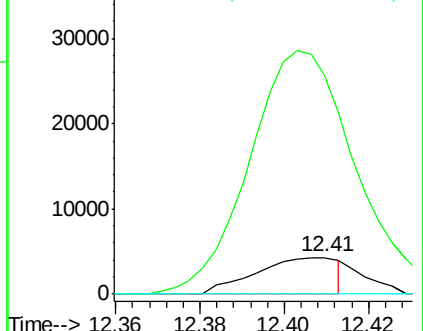
254 0.0 0.1 0.1#

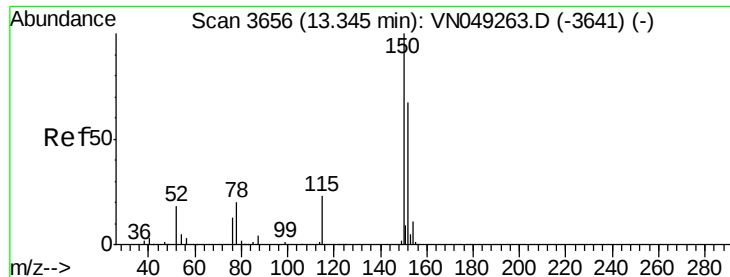


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

ClientSampleId :

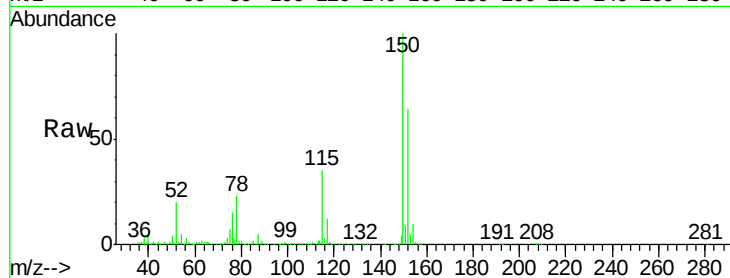
Tot Ion:152 Resp: 586055

Ion Ratio Lower Upper

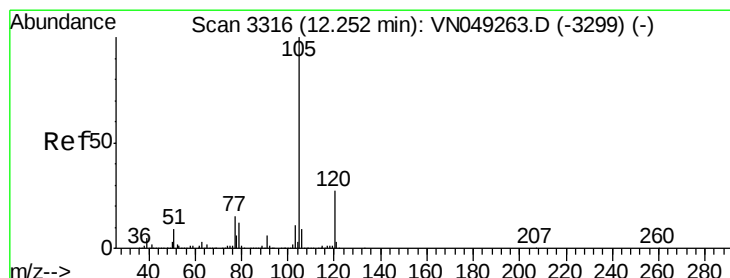
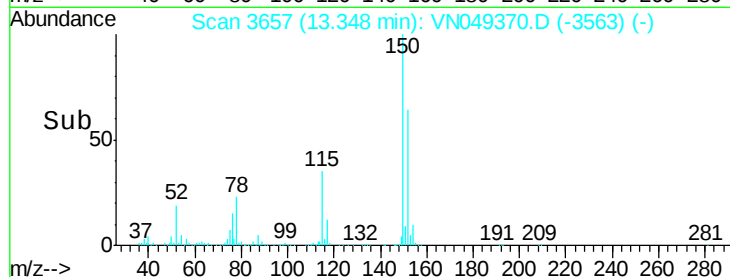
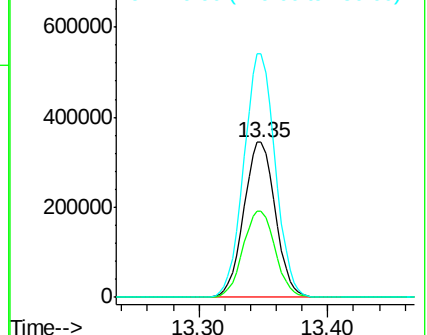
152 100

115 56.6 28.7 86.1

150 156.3 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: 0.33 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049370.D

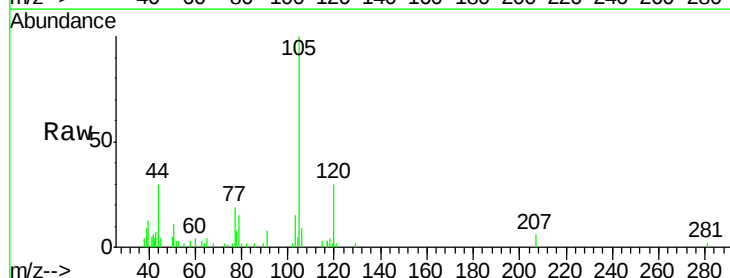
Acq: 19 Jun 2018 3:41

Tgt Ion:105 Resp: 16939

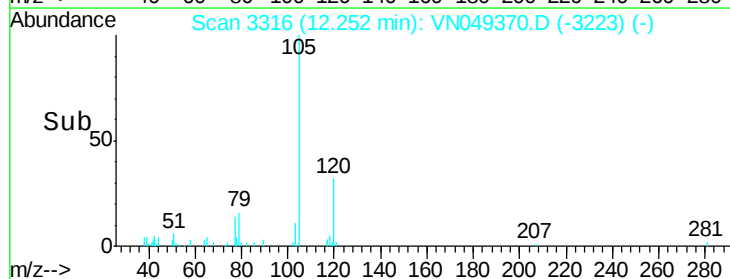
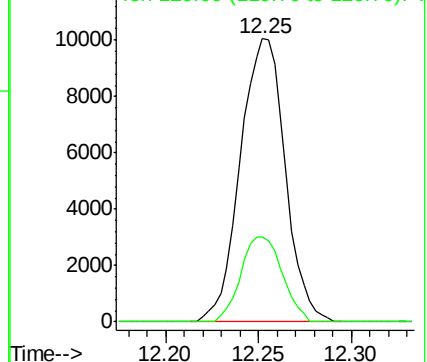
Ion Ratio Lower Upper

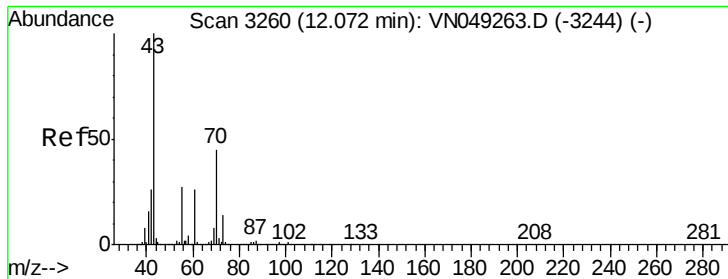
105 100

120 27.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.25 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 3126

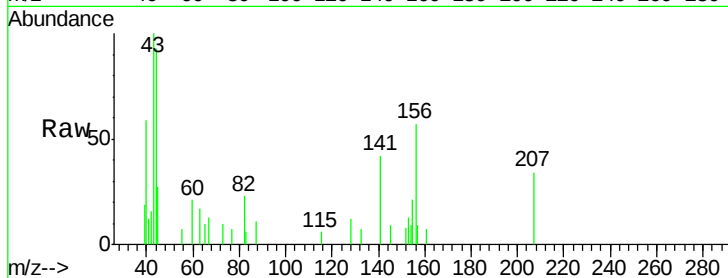
Ion Ratio Lower Upper

43 100

70 2.2 30.3 45.5#

55 5.0 19.4 29.2#

61 0.0 17.8 26.6#

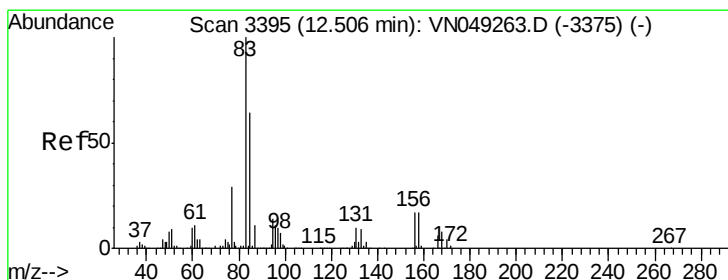
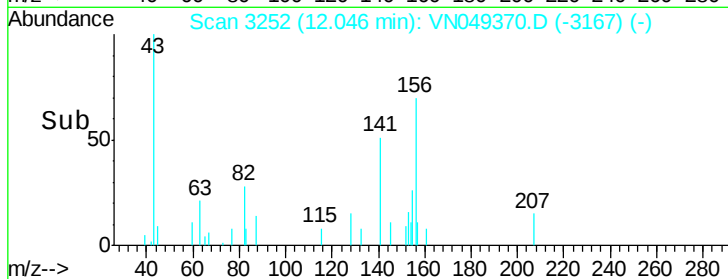
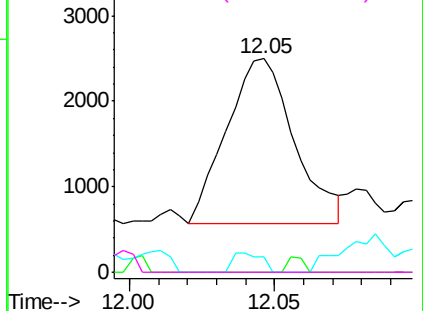


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3389

Delta R.T. -0.02 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

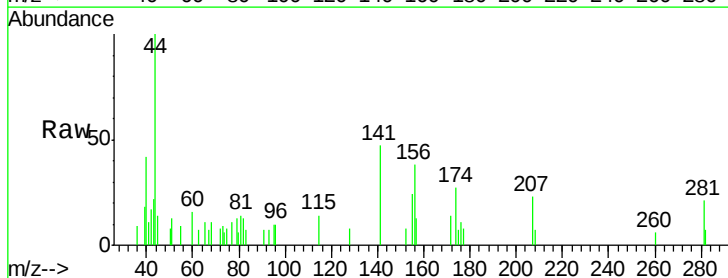
Tgt Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

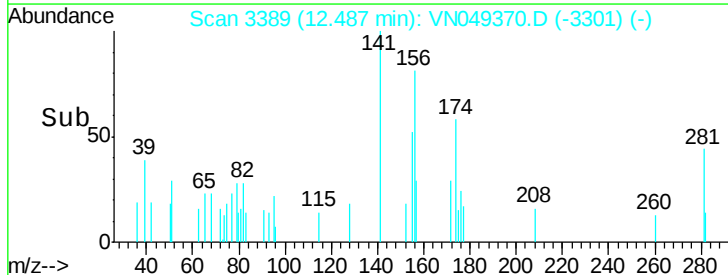
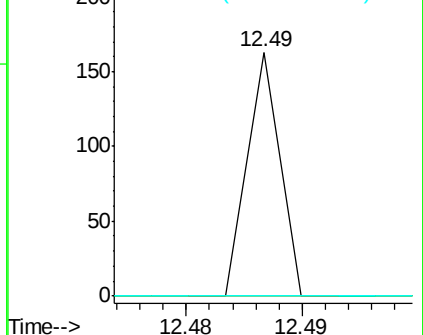
85 0.0 32.0 96.0#

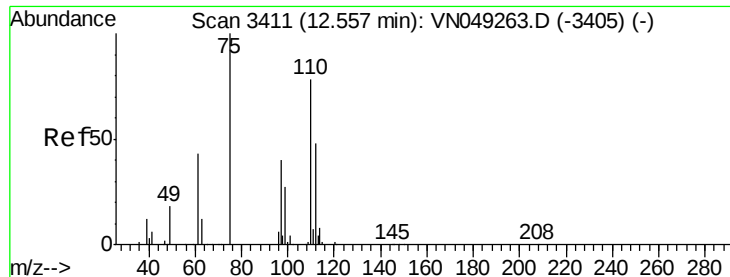


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 37.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

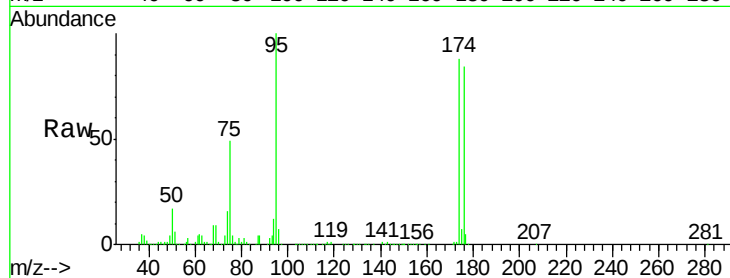
ClientSampled :

Tot Ion: 75 Resp: 372151

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049370.D (-3363) (-)

Ion 77.00 (76.70 to 77.70): VN049370.D (-3363) (-)

12.40

200000

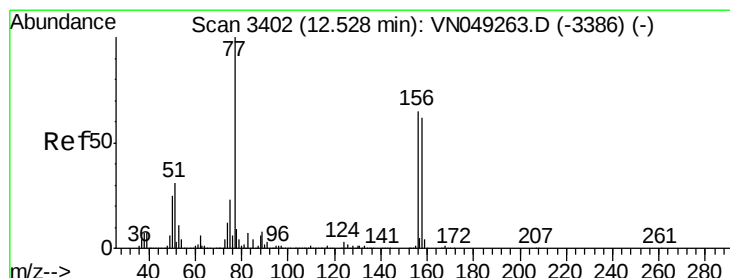
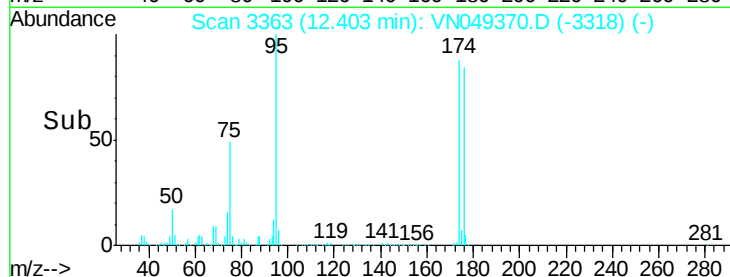
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: 1.63 ug/l

RT: 12.56 min Scan# 3412

Delta R.T. 0.03 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

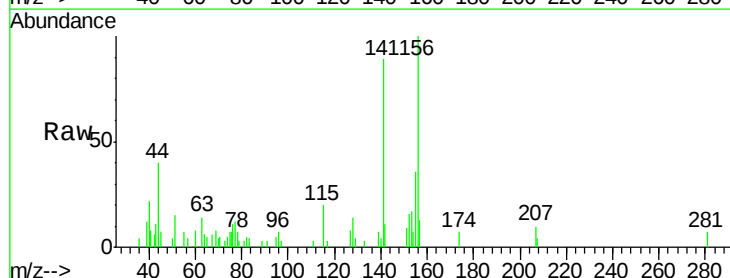
Tgt Ion: 156 Resp: 22095

Ion Ratio Lower Upper

156 100

77 1.6 100.8 302.4#

158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): VN049370.D (-3309) (-)

Ion 77.00 (76.70 to 77.70): VN049370.D (-3309) (-)

Ion 157.80 (157.50 to 158.50): VN049370.D (-3309) (-)

12.56

10000

8000

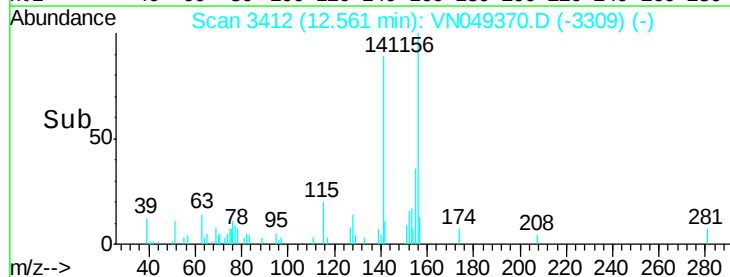
6000

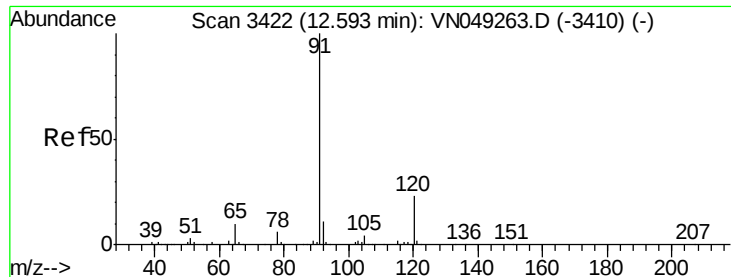
4000

2000

0

Time--> 12.40 12.50 12.60

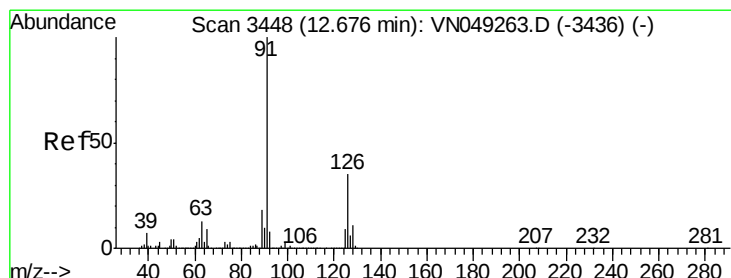
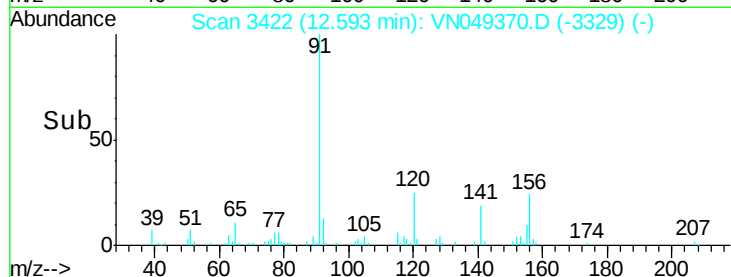
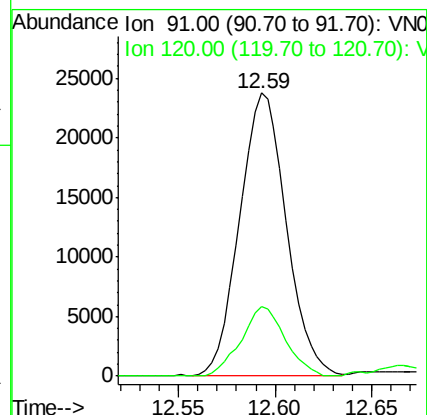
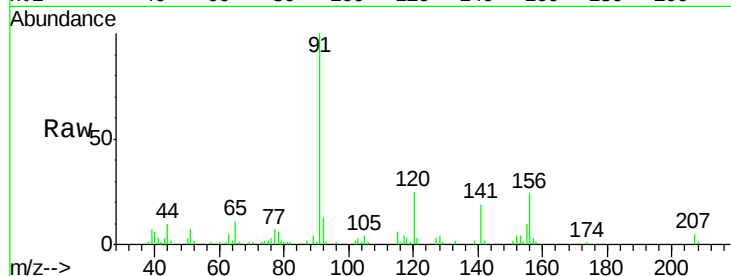




#78
n-propylbenzene
Concen: 0.71 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

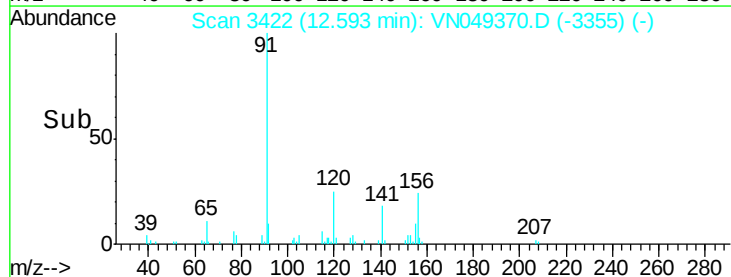
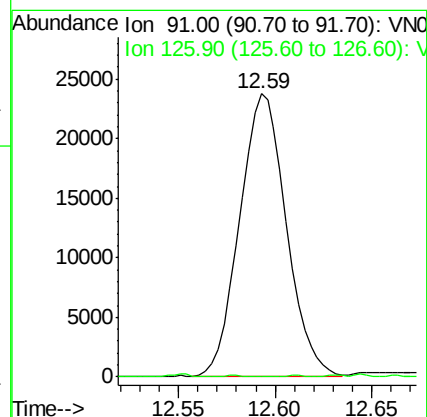
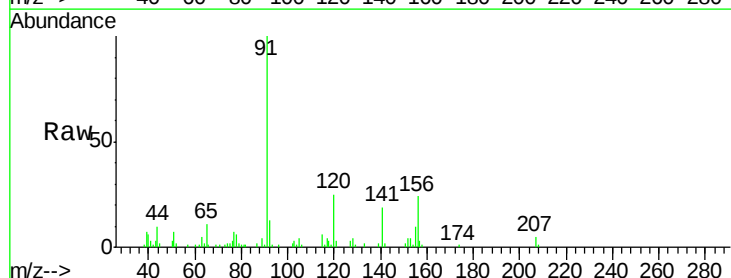
Instrument :
MSVOA_N
ClientSampleId :

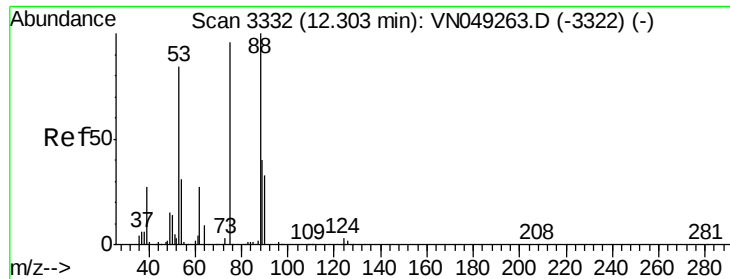
Tot Ion: 91 Resp: 39949
Ion Ratio Lower Upper
91 100
120 23.2 11.2 33.5



#79
2-Chlorotoluene
Concen: 1.12 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.08 min
Lab File: VN049370.D
Acq: 19 Jun 2018 3:41

Tgt Ion: 91 Resp: 39949
Ion Ratio Lower Upper
91 100
126 0.2 16.6 49.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 117.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

ClientSampleId :

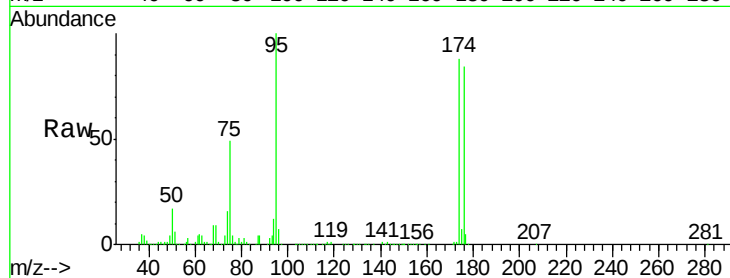
Tot Ion: 75 Resp: 372151

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

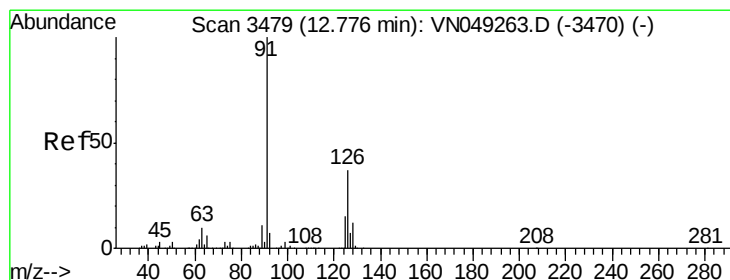
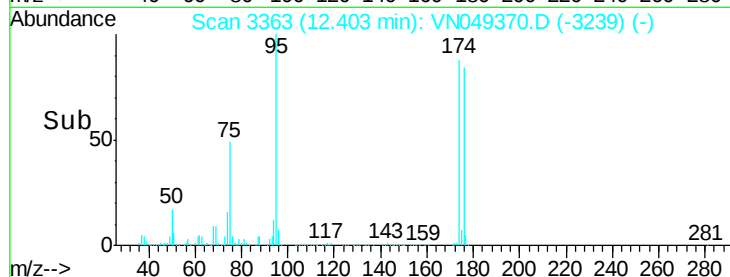
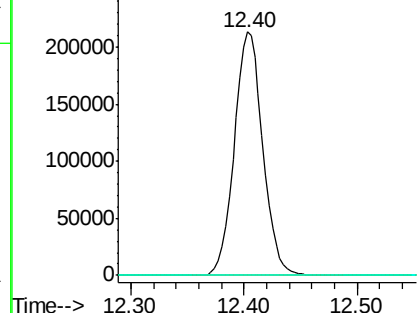
89 0.0 36.5 54.7#



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



#82

4-Chlorotoluene

Concen: 1.16 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN049370.D

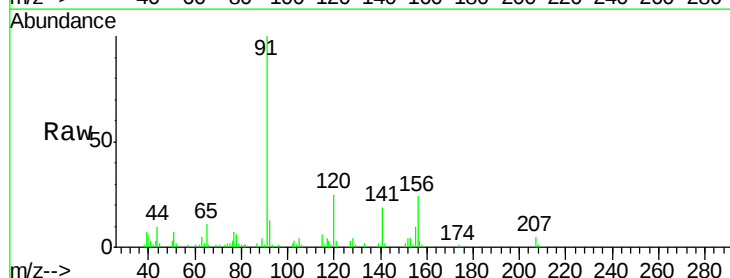
Acq: 19 Jun 2018 3:41

Tgt Ion: 91 Resp: 39949

Ion Ratio Lower Upper

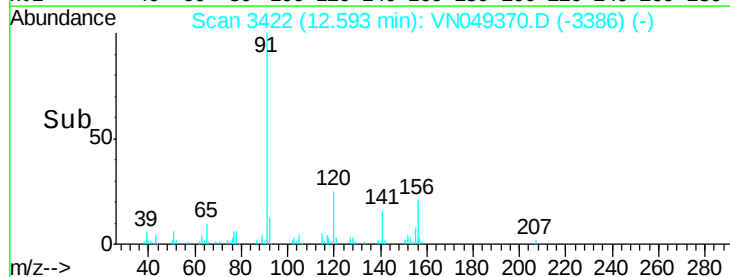
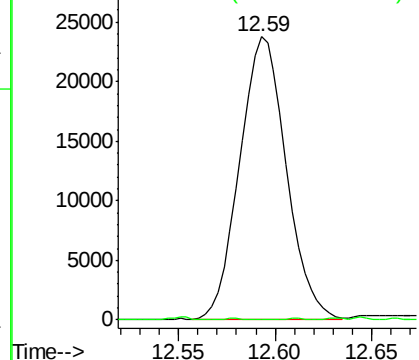
91 100

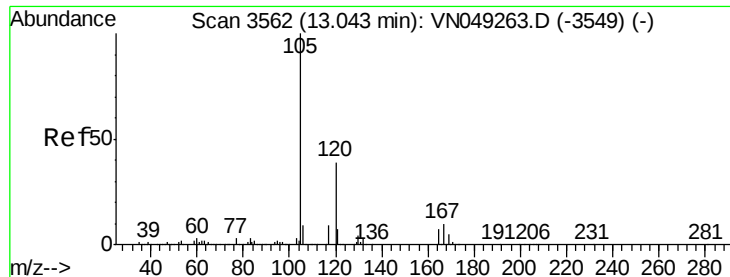
126 0.2 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#84

1,2,4-Trimethylbenzene

Concen: 0.25 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

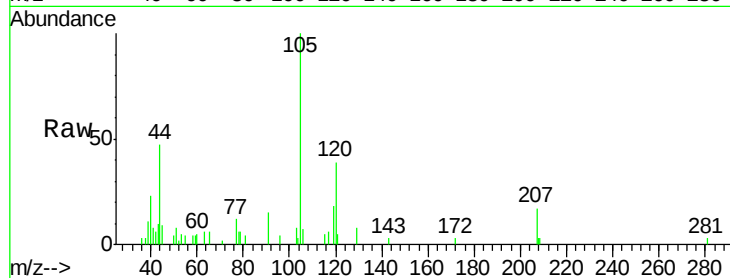
ClientSampled :

Tot Ion:105 Resp: 9988

Ion Ratio Lower Upper

105 100

120 44.3 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

6000

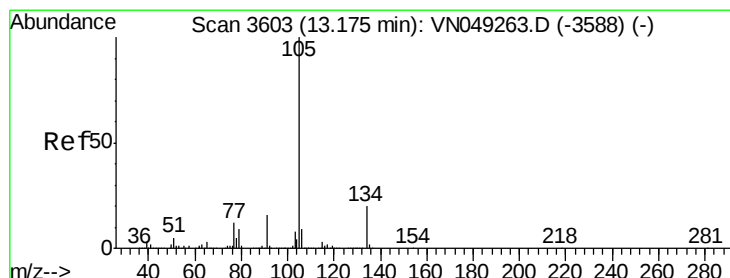
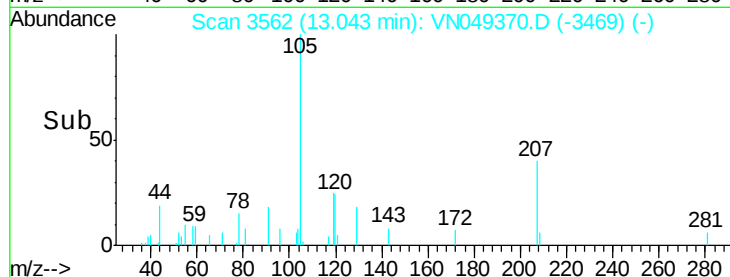
4000

2000

0

13.00 13.05 13.10

Time-->



#85

sec-Butylbenzene

Concen: 0.59 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049370.D

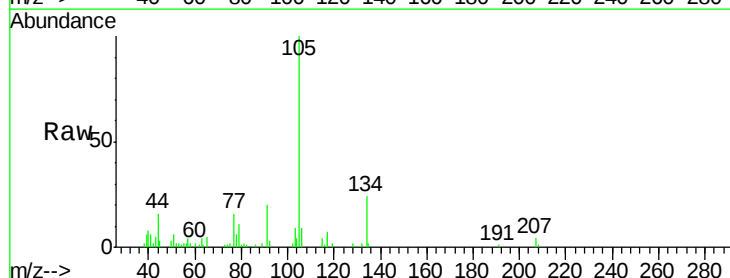
Acq: 19 Jun 2018 3:41

Tgt Ion:105 Resp: 28292

Ion Ratio Lower Upper

105 100

134 25.9 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

20000

15000

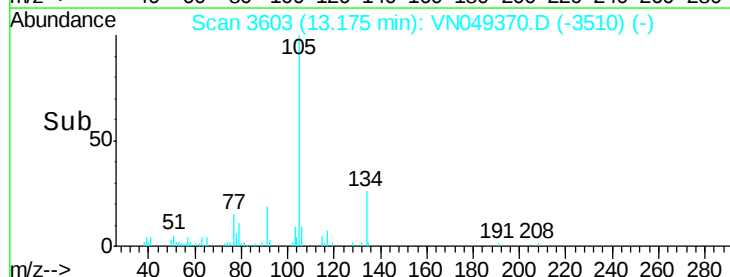
10000

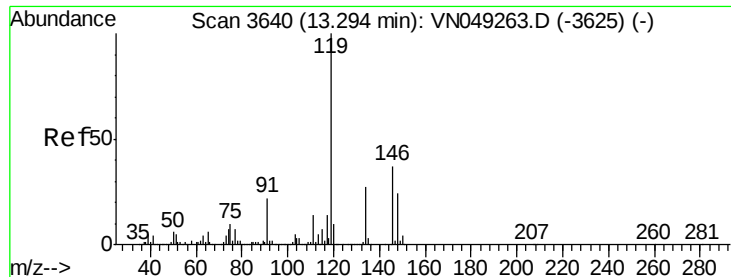
5000

0

13.10 13.15 13.20

Time-->

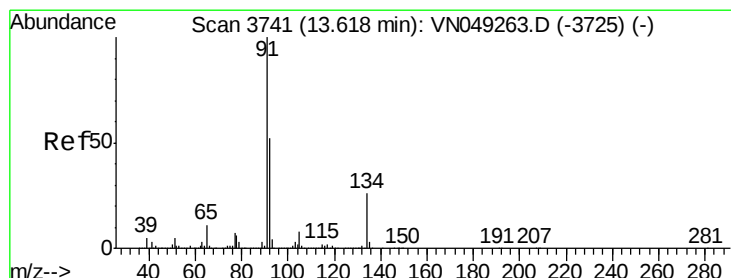
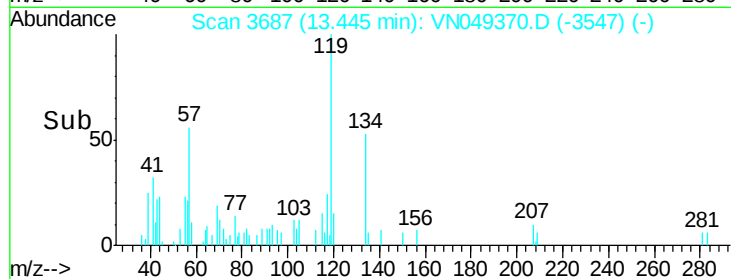
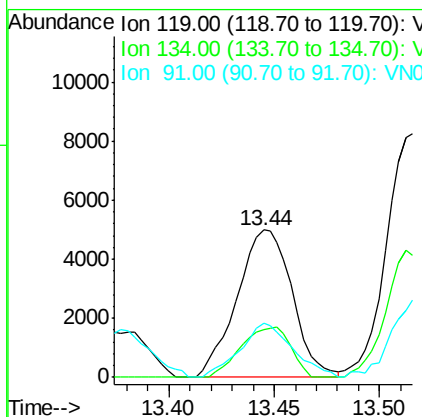
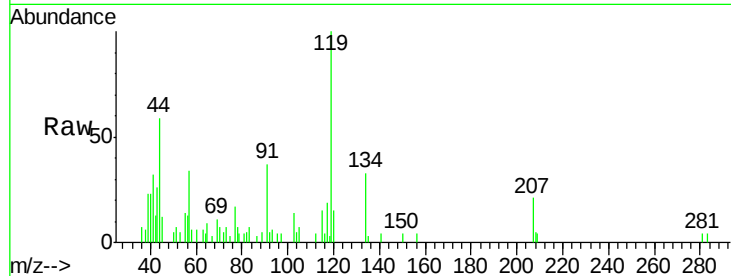




#86
 p-Isopropyltoluene
 Concen: 0.23 ug/l
 RT: 13.44 min Scan# 3687
 Delta R.T. 0.15 min
 Lab File: VN049370.D
 Acq: 19 Jun 2018 3:41

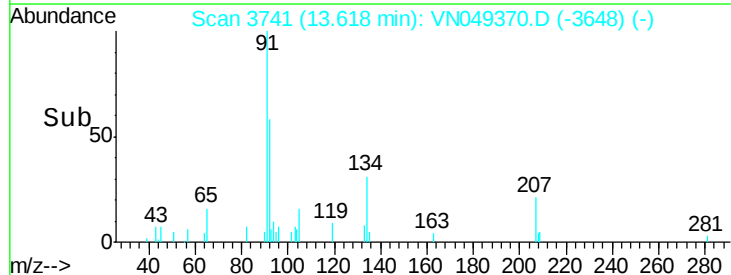
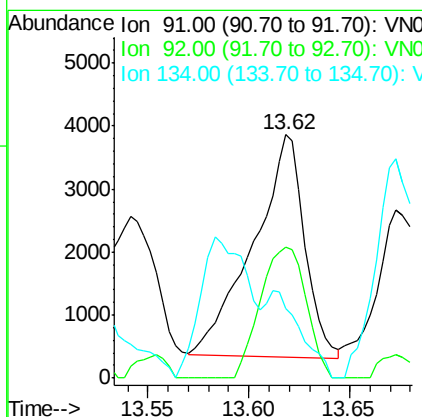
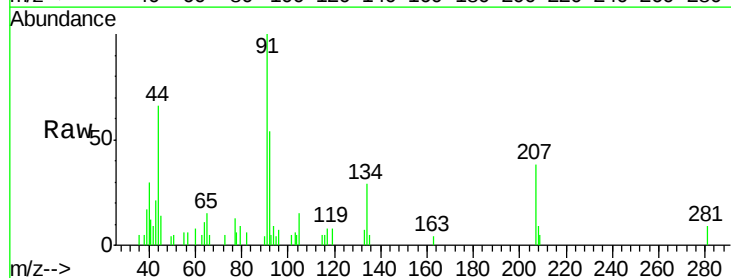
Instrument :
 MSVOA_N
 ClientSampled :

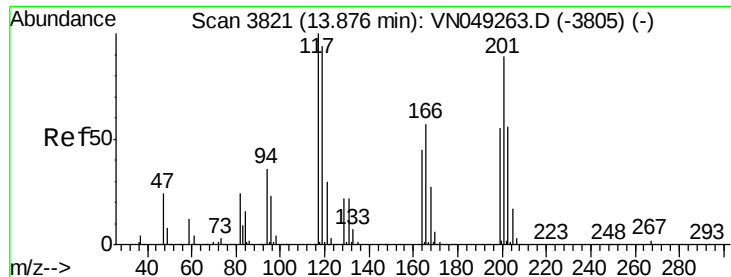
Tot Ion: 119 Resp: 9085
 Ion Ratio Lower Upper
 119 100
 134 30.4 12.9 38.6
 91 35.1 12.1 36.3



#89
 n-Butylbenzene
 Concen: 0.20 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN049370.D
 Acq: 19 Jun 2018 3:41

Tgt Ion: 91 Resp: 6282
 Ion Ratio Lower Upper
 91 100
 92 52.1 25.1 75.4
 134 0.0 12.0 36.0#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

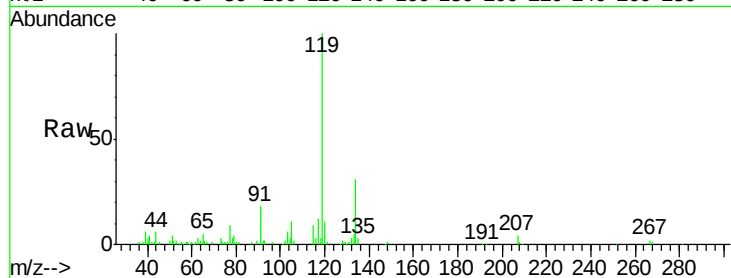
ClientSampleId :

Tot Ion:117 Resp: 8287

Ion Ratio Lower Upper

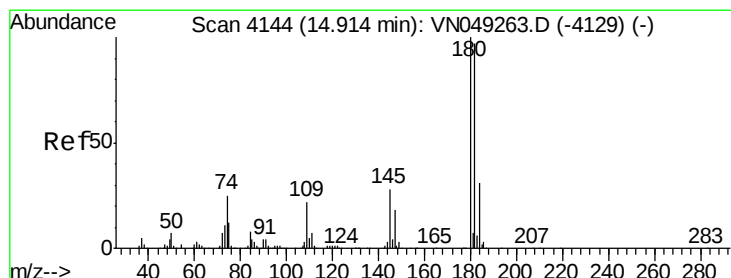
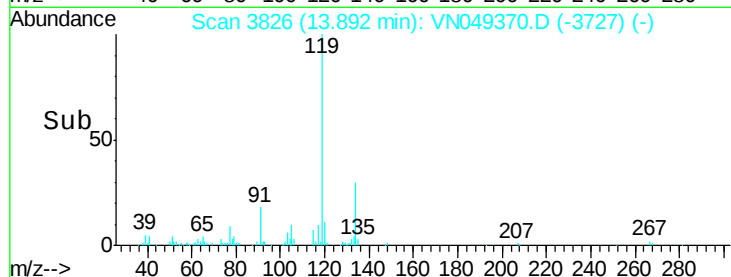
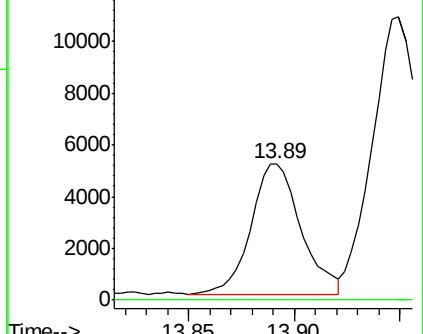
117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 4.88 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

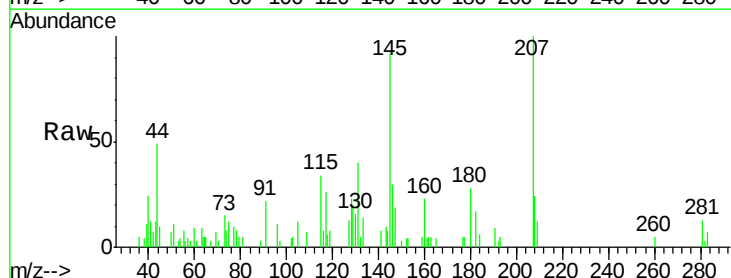
Tgt Ion:180 Resp: 1525

Ion Ratio Lower Upper

180 100

182 74.1 46.9 140.8

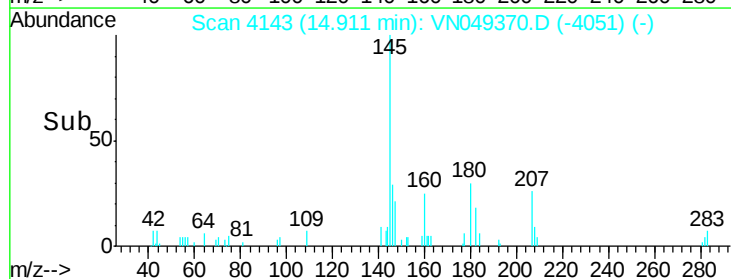
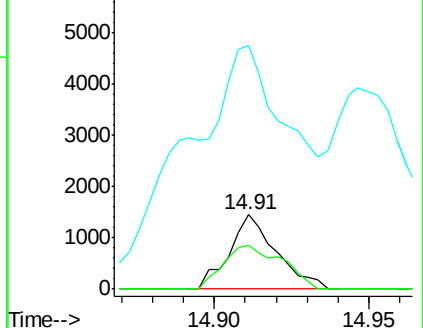
145 696.7 14.7 44.1#

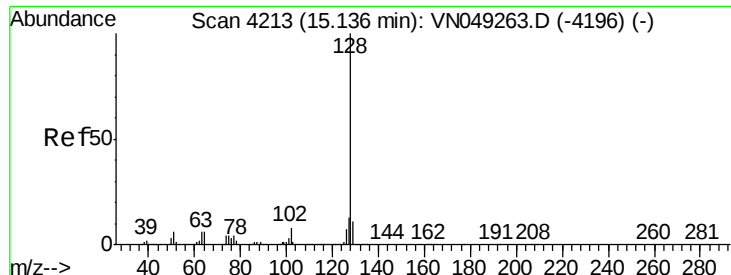


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 7.09 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

Instrument :

MSVOA_N

ClientSampled :

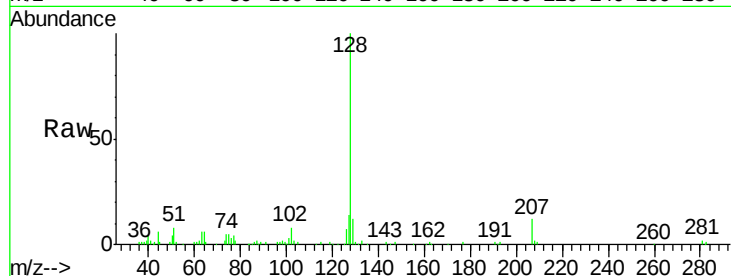
Tot Ion:128 Resp: 82490

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

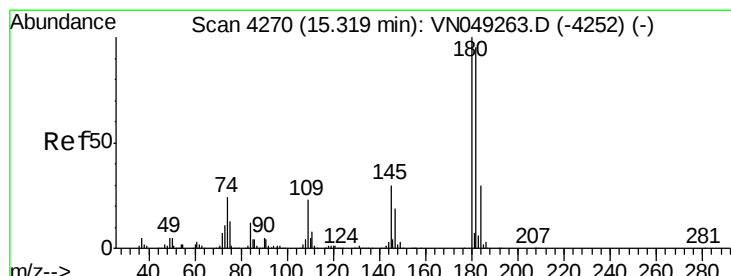
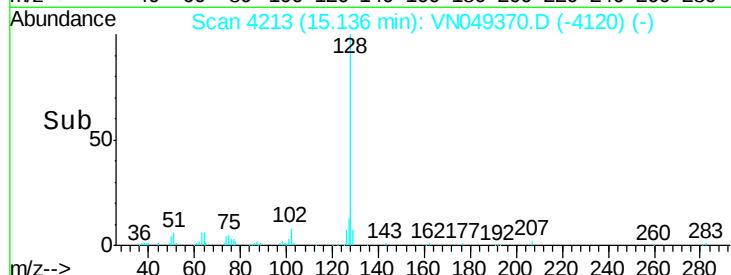
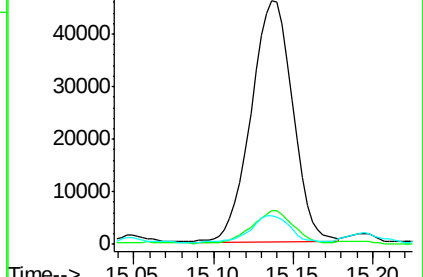
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.49 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.01 min

Lab File: VN049370.D

Acq: 19 Jun 2018 3:41

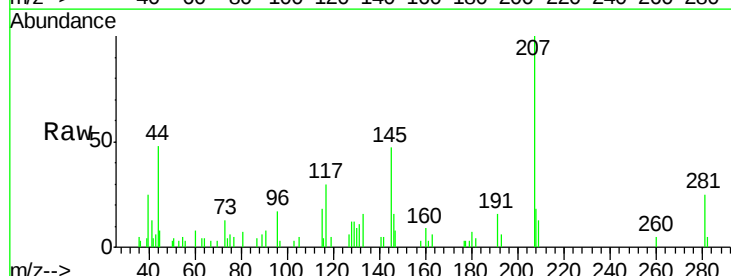
Tgt Ion:180 Resp: 394

Ion Ratio Lower Upper

180 100

182 56.6 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

