

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049446.D
 Acq On : 20 Jun 2018 19:38
 Operator : MD\SY
 Sample : J3245-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 01:31:57 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	1167137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1849327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1514008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	482352	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	786781	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
35) Dibromofluoromethane	7.59	113	685500	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
50) Toluene-d8	10.09	98	2511121	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	
62) 4-Bromofluorobenzene	12.41	95	654489	34.74	ug/l	0.00
Spiked Amount			Recovery	=	69.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3499	0.20	ug/l	97
5) Bromomethane	2.57	94	3830	0.40	ug/l #	75
8) Diethyl Ether	3.41	74	19668	2.45	ug/l	92
11) Tert butyl alcohol	4.75	59	5520	6.08	ug/l #	70
13) Acrolein	3.61	56	203	0.21	ug/l #	1
14) Allyl chloride	4.55	41	64287	3.04	ug/l #	21
16) Acetone	3.83	43	35080	9.33	ug/l	98
18) Methyl Acetate	4.33	43	98792	8.62	ug/l	95
20) Methylene Chloride	4.55	84	1878787	119.68	ug/l	91
25) 2-Butanone	6.85	43	3731	0.74	ug/l #	88
29) Tetrahydrofuran	7.23	42	1535	0.47	ug/l #	84
30) Chloroform	7.38	83	10143	0.38	ug/l	99
31) Cyclohexane	7.67	56	20823	0.74	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	84035	3.96	ug/l #	50
38) Carbon Tetrachloride	7.67	117	106799	4.87	ug/l #	17
43) Isopropyl Acetate	8.21	43	231541	10.52	ug/l #	66
47) Bromodichloromethane	9.40	83	4431	0.20	ug/l #	88
49) 1,4-Dioxane	9.20	88	118	0.82	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	3881	0.34	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.54	63	63	14.34	ug/l #	51
65) Chlorobenzene	11.44	112	12089	0.31	ug/l	92
74) N-amyl acetate	12.05	43	2992	0.29	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.51	83	156	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.41	75	316507	38.46	ug/l #	100
78) n-propylbenzene	12.59	91	19556	0.42	ug/l	91
79) 2-Chlorotoluene	12.59	91	19556	0.66	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.41	75	316507	121.54	ug/l #	9
82) 4-Chlorotoluene	12.59	91	19556	0.69	ug/l #	42
85) sec-Butylbenzene	13.17	105	12041	0.31	ug/l	86
90) Hexachloroethane	13.89	117	4238	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.92	180	299	4.78	ug/l #	1
95) Naphthalene	15.14	128	18828	3.48	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	29	3.46	ug/l #	1

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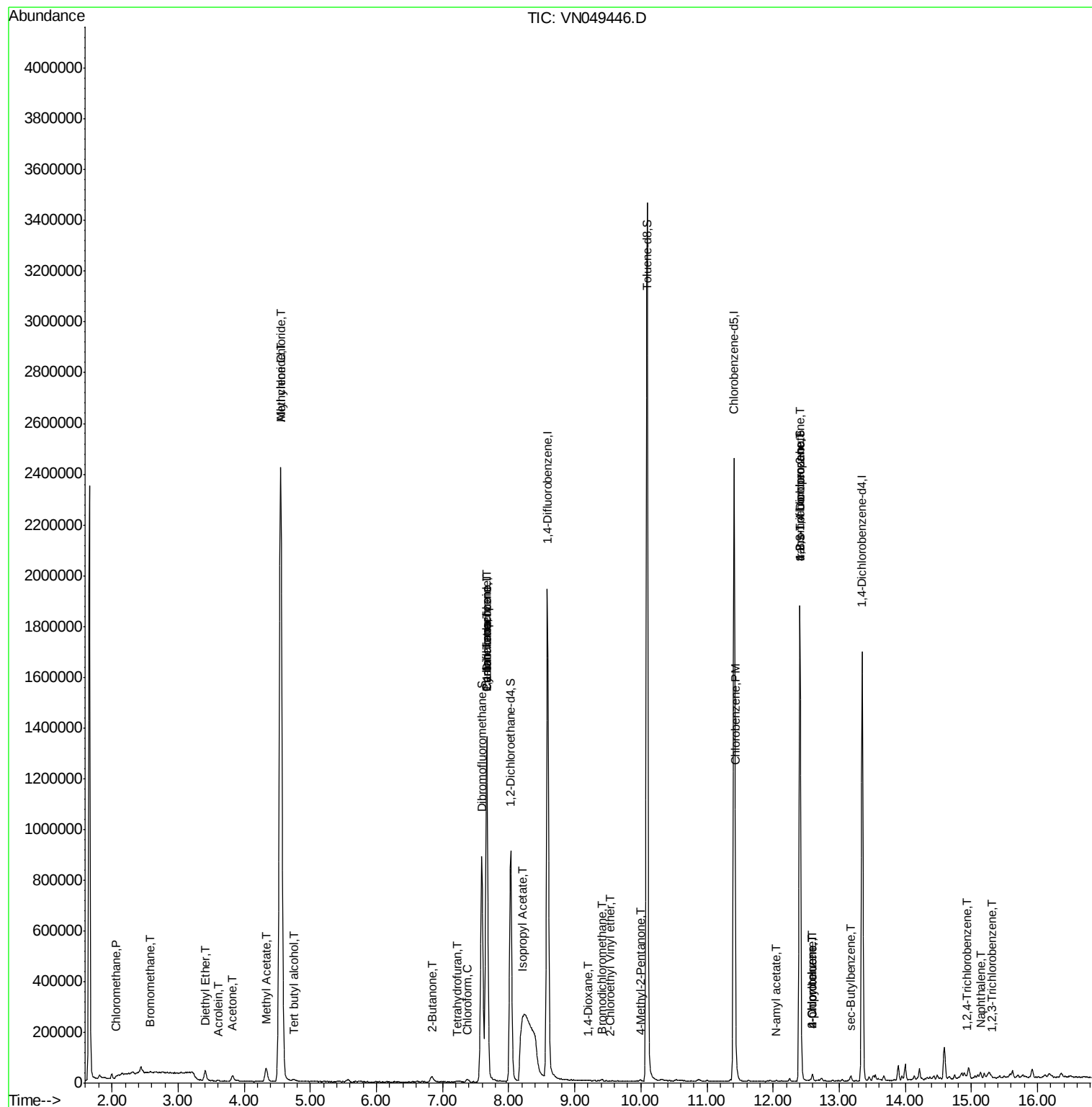
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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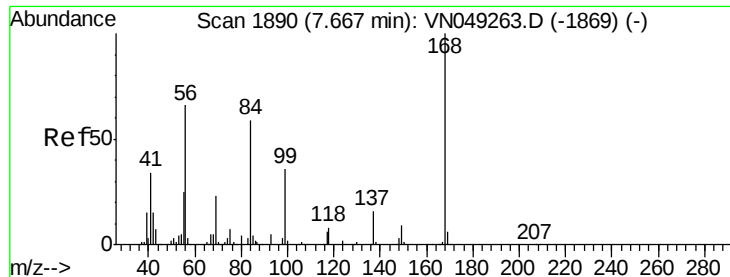
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062018\
Data File : VN049446.D
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

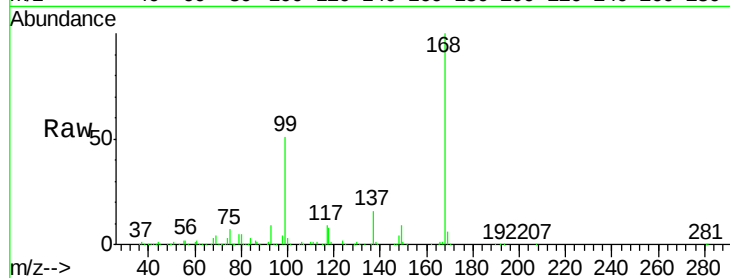
ClientSampleId :

Tot Ion:168 Resp: 1167137

Ion Ratio Lower Upper

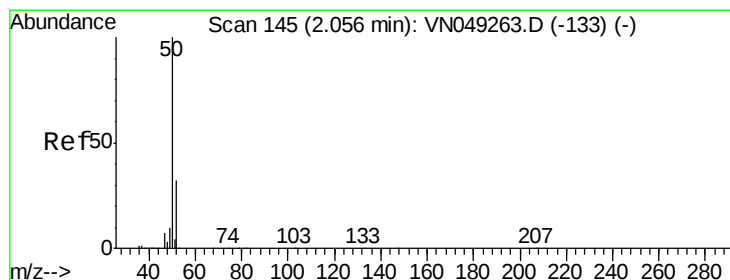
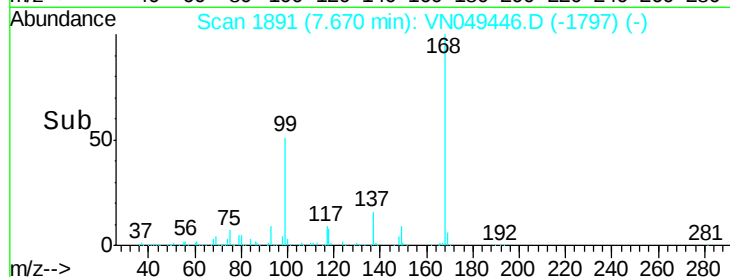
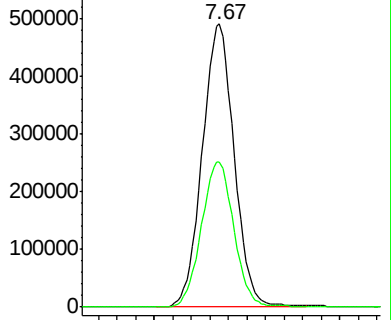
168 100

99 51.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.20 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049446.D

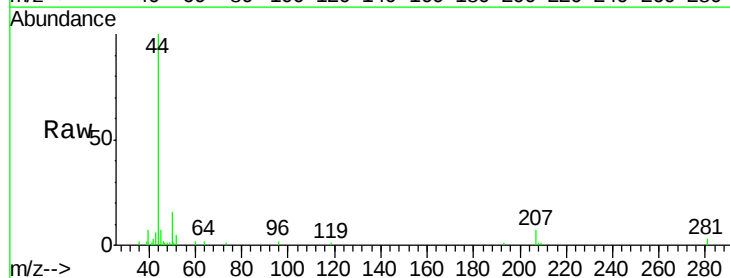
Acq: 20 Jun 2018 19:38

Tgt Ion: 50 Resp: 3499

Ion Ratio Lower Upper

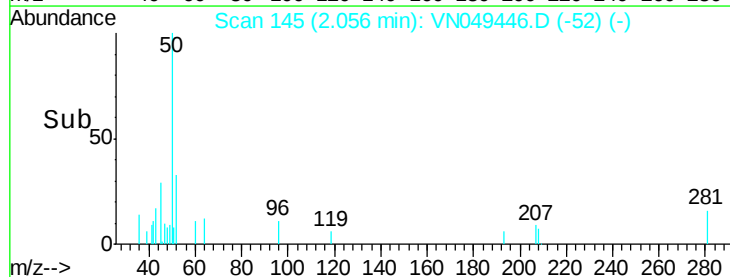
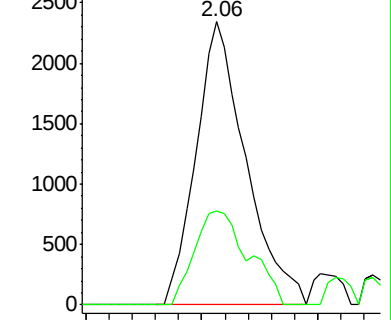
50 100

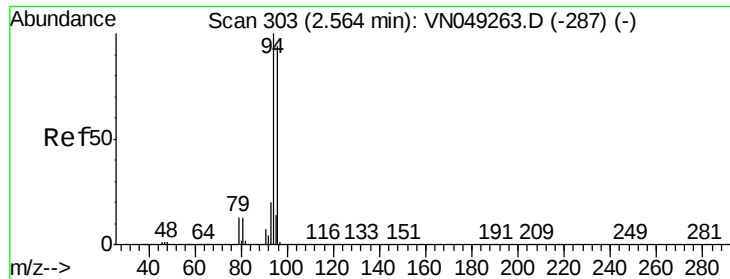
52 33.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.40 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

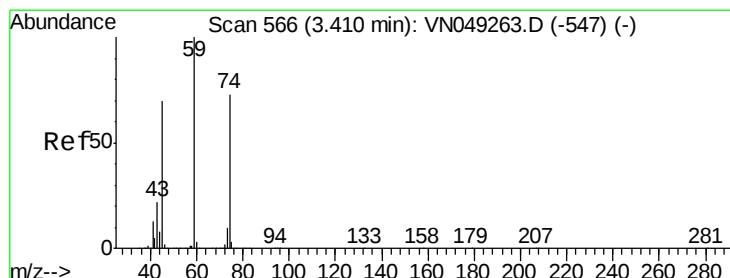
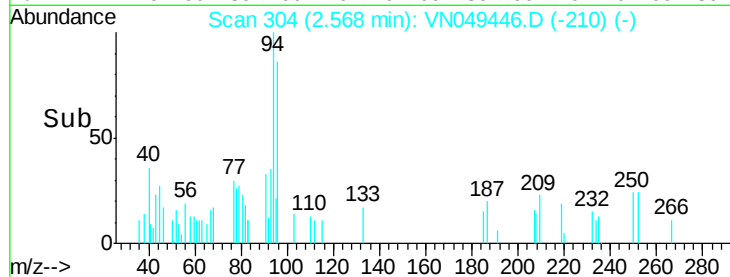
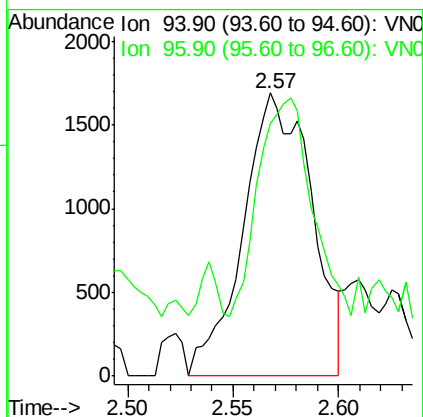
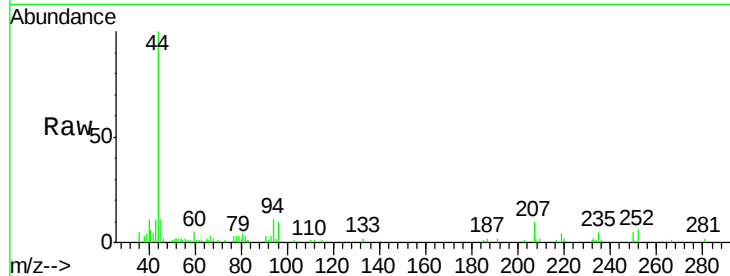
ClientSampleId :

Tot Ion: 94 Resp: 3830

Ion Ratio Lower Upper

94 100

96 67.6 72.8 109.2#



#8

Diethyl Ether

Concen: 2.45 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049446.D

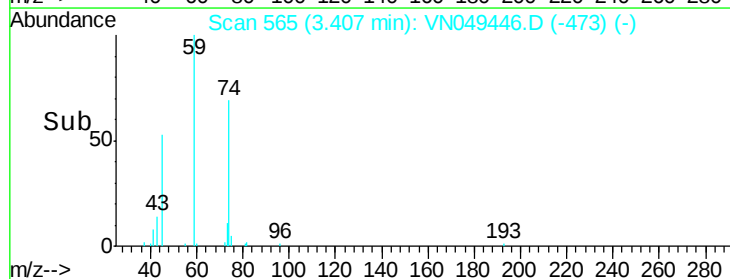
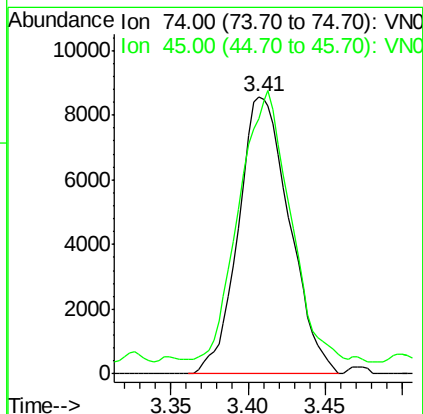
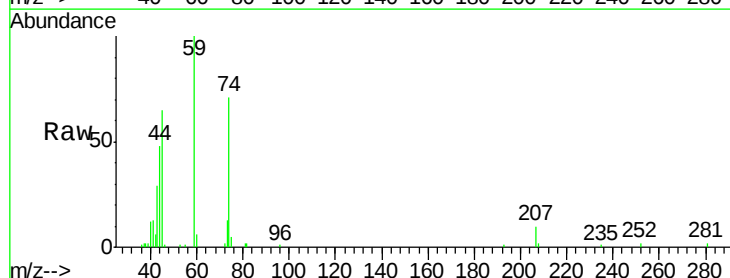
Acq: 20 Jun 2018 19:38

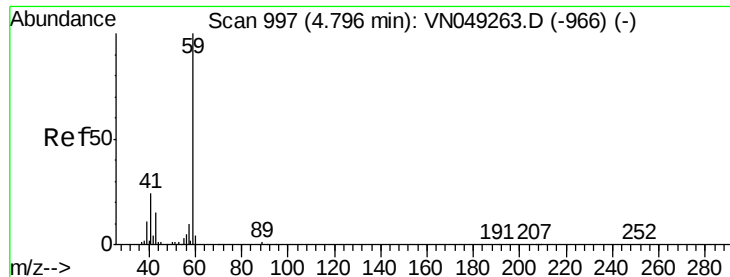
Tgt Ion: 74 Resp: 19668

Ion Ratio Lower Upper

74 100

45 95.5 51.9 155.8



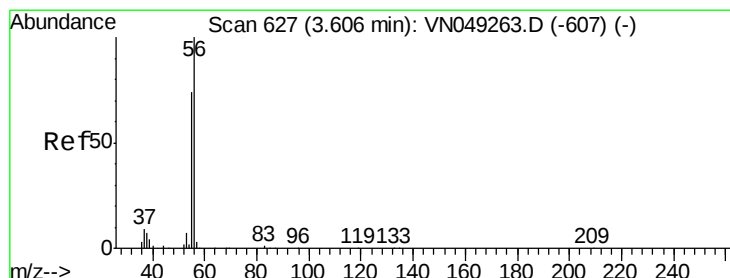
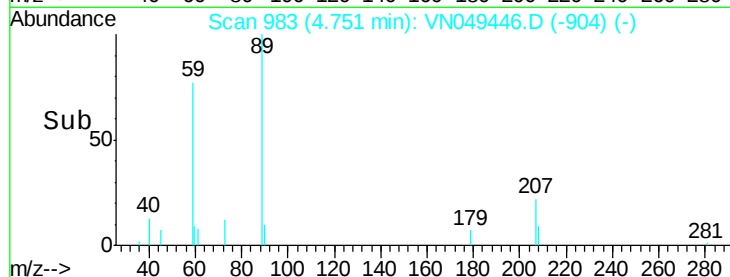
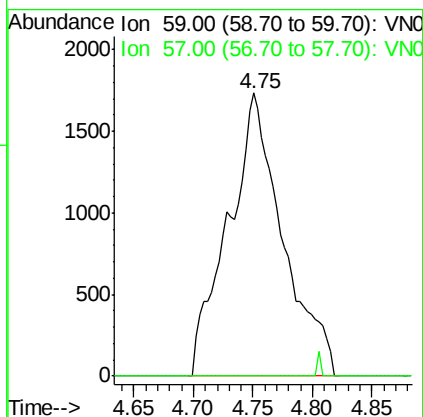
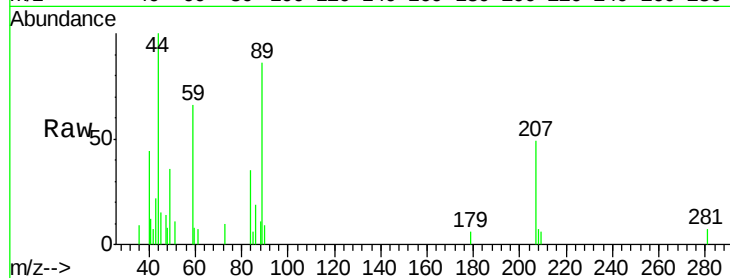


#11

Tert butyl alcohol
 Concen: 6.08 ug/l
 RT: 4.75 min Scan# 983
 Delta R.T. -0.04 min
 Lab File: VN049446.D
 Acq: 20 Jun 2018 19:38

Instrument :
 MSVOA_N
 ClientSampleId :

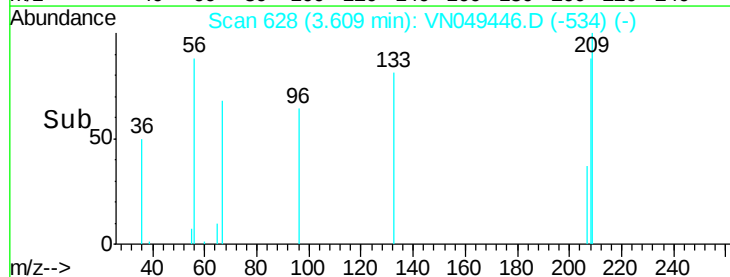
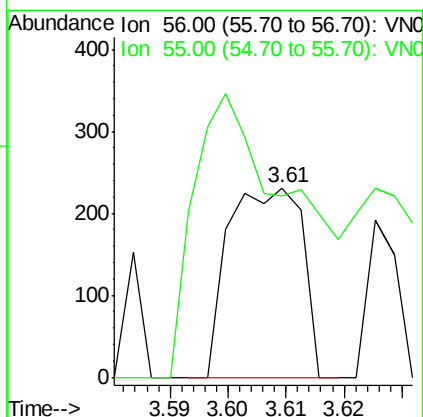
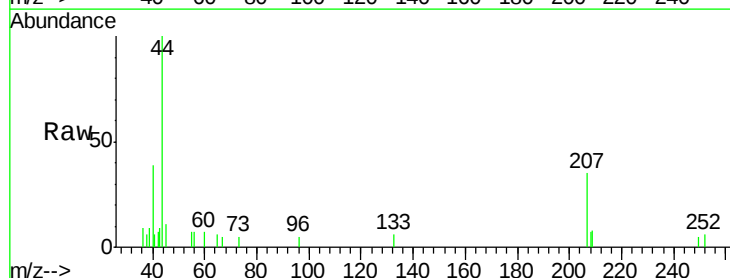
Tot Ion: 59 Resp: 5520
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

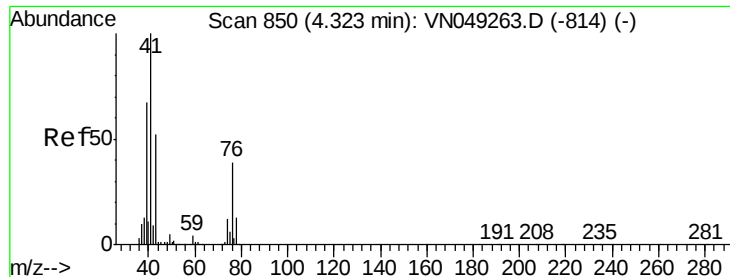


#13

Acrolein
 Concen: 0.21 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN049446.D
 Acq: 20 Jun 2018 19:38

Tgt Ion: 56 Resp: 203
 Ion Ratio Lower Upper
 56 100
 55 207.9 57.1 85.7#





#14

Allvl chloride

Concen: 3.04 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.23 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

ClientSampled :

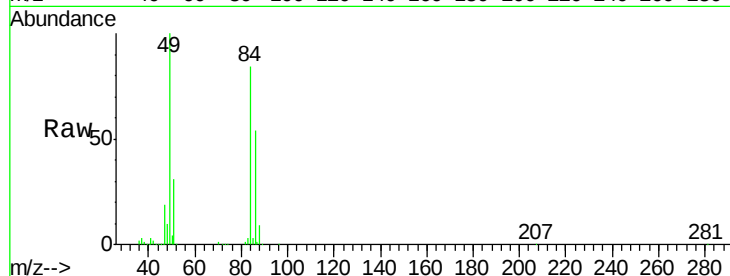
Tot Ion: 41 Resp: 64287

Ion Ratio Lower Upper

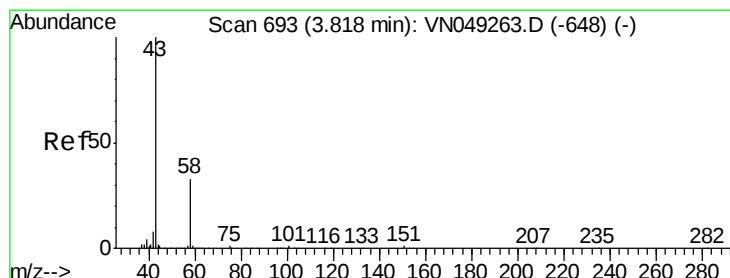
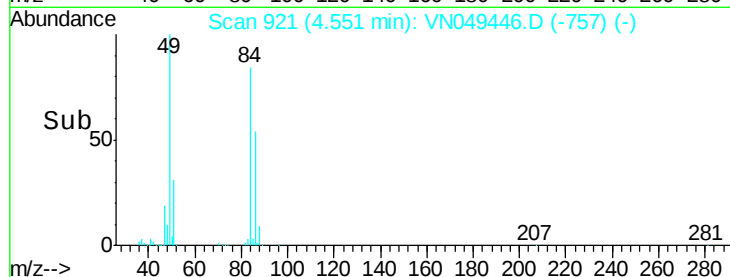
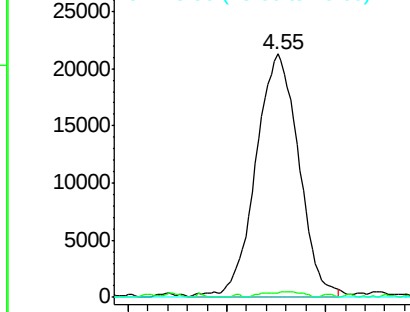
41 100

39 2.0 62.5 93.7#

76 0.0 27.1 40.7#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 9.33 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049446.D

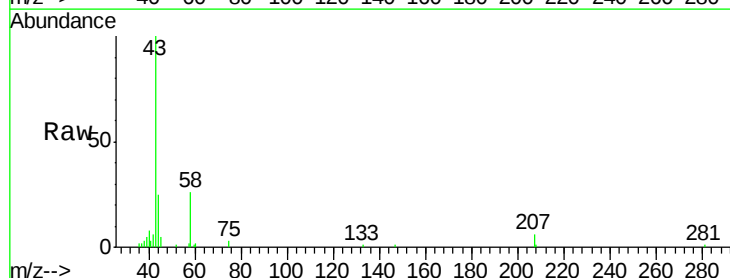
Acq: 20 Jun 2018 19:38

Tgt Ion: 43 Resp: 35080

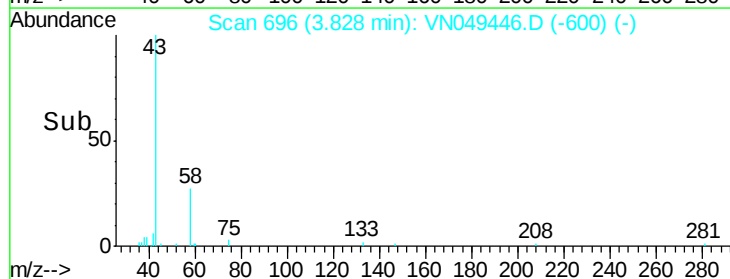
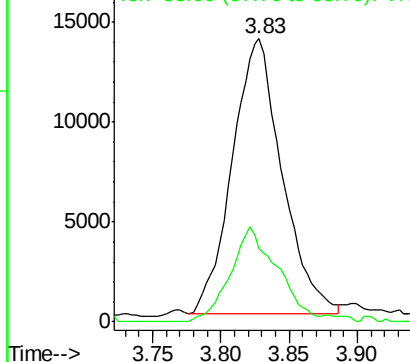
Ion Ratio Lower Upper

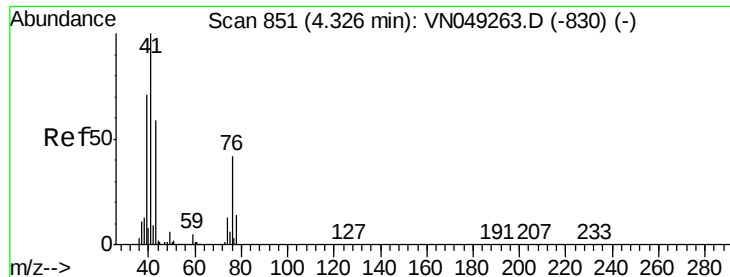
43 100

58 26.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#18

Methvl Acetate

Concen: 8.62 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

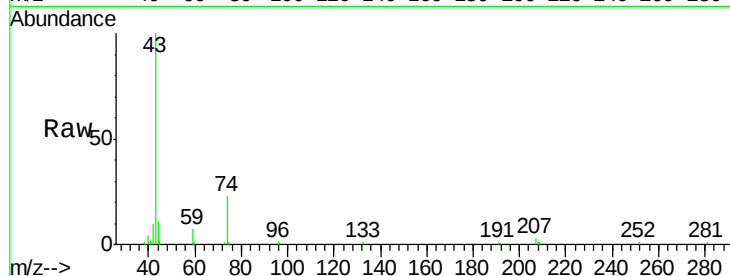
ClientSampleId :

Tot Ion: 43 Resp: 98792

Ion Ratio Lower Upper

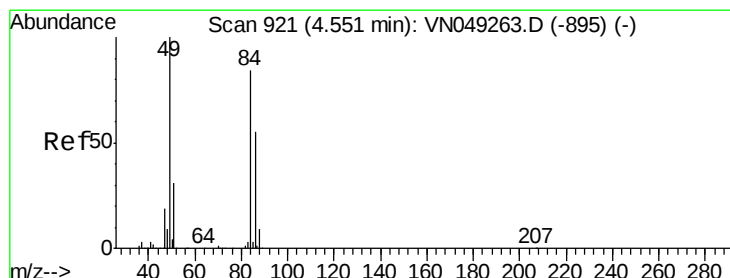
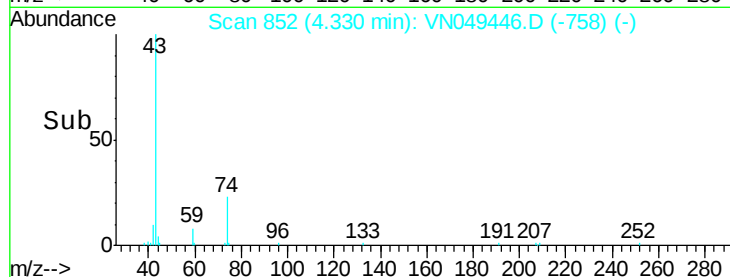
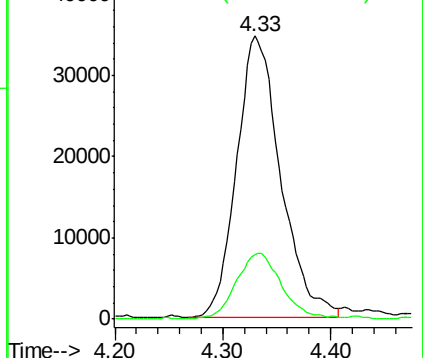
43 100

74 23.9 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: 119.68 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Tgt Ion: 84 Resp: 1878787

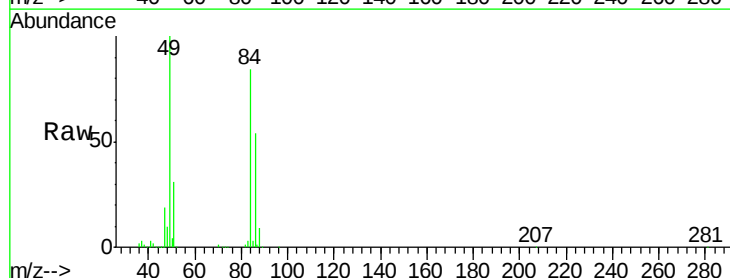
Ion Ratio Lower Upper

84 100

49 119.2 106.9 160.3

51 36.7 32.7 49.1

86 64.5 49.8 74.8

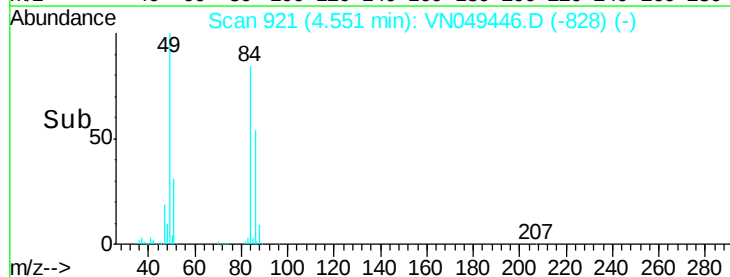
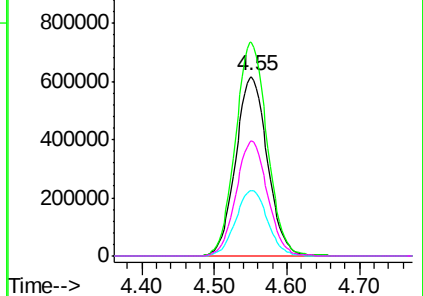


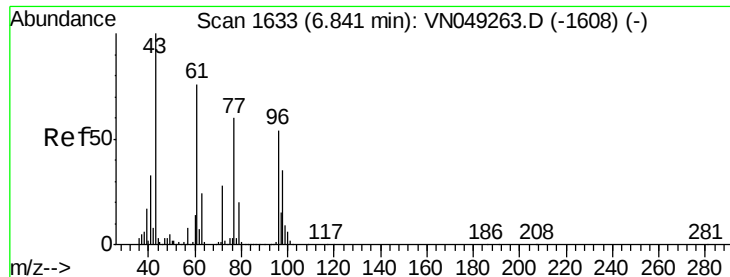
Abundance Ion 83.90 (83.60 to 84.60): VN0

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

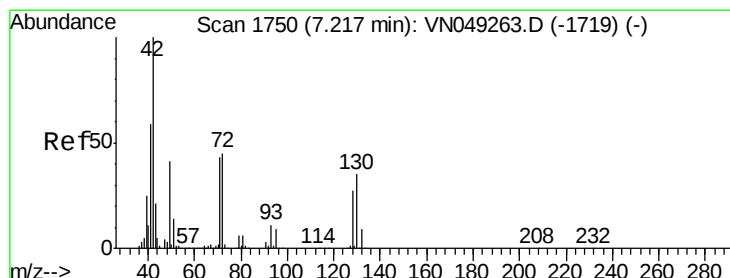
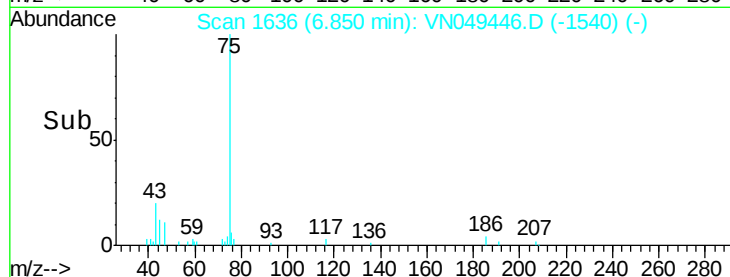
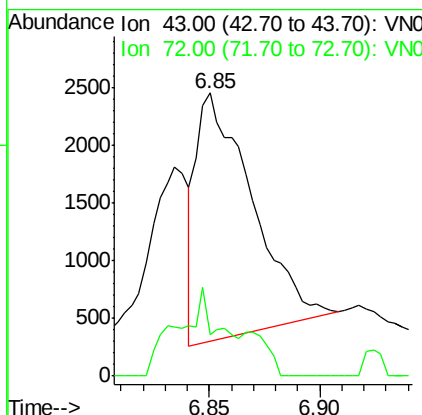
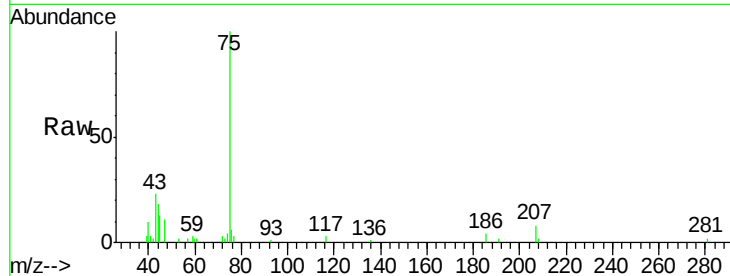




#25
2-Butanone
Concen: 0.74 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049446.D
Acq: 20 Jun 2018 19:38

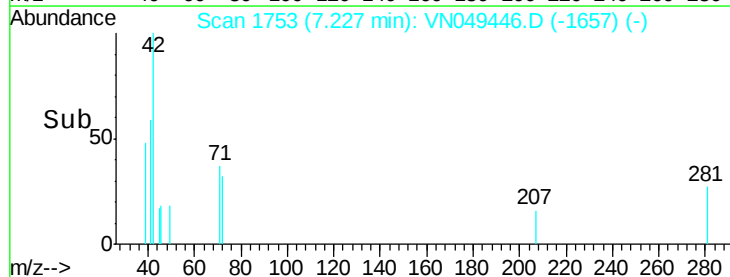
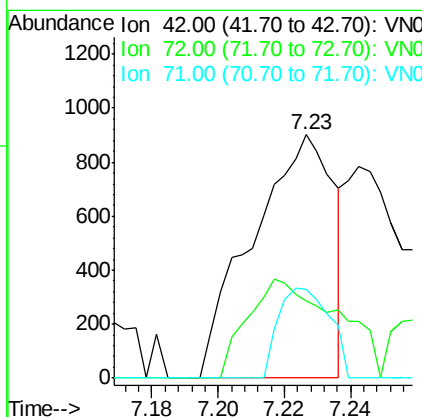
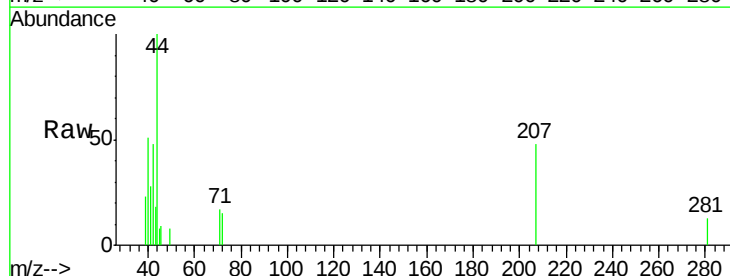
Instrument :
MSVOA_N
ClientSampled :

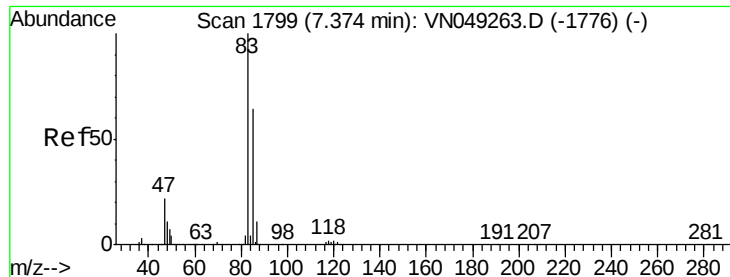
Tot Ion: 43 Resp: 3731
Ion Ratio Lower Upper
43 100
72 19.2 20.2 30.2#



#29
Tetrahydrofuran
Concen: 0.47 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049446.D
Acq: 20 Jun 2018 19:38

Tgt Ion: 42 Resp: 1535
Ion Ratio Lower Upper
42 100
72 44.8 32.2 48.4
71 23.4 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: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

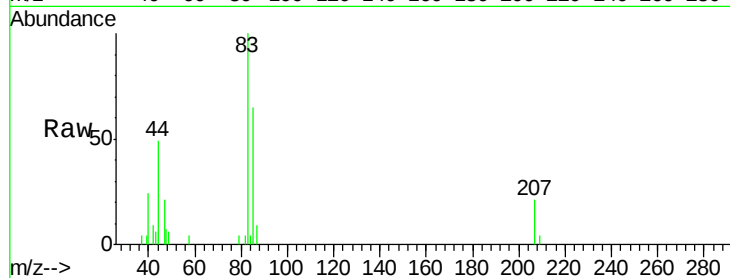
ClientSampled :

Tot Ion: 83 Resp: 10143

Ion Ratio Lower Upper

83 100

85 65.3 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049446.D (-1776) (-)

Ion 84.90 (84.60 to 85.60): VN049446.D (-1776) (-)

7.38

4000

3000

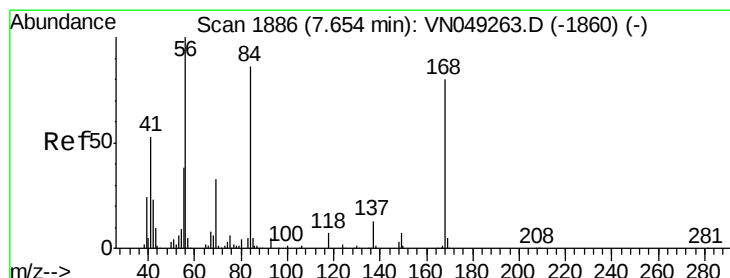
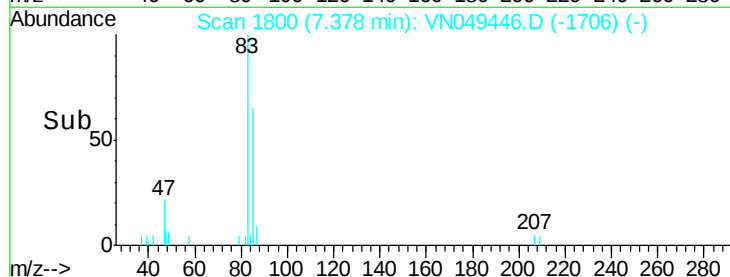
2000

1000

0

7.30 7.35 7.40 7.45

Time-->



#31

Cyclohexane

Concen: 0.74 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

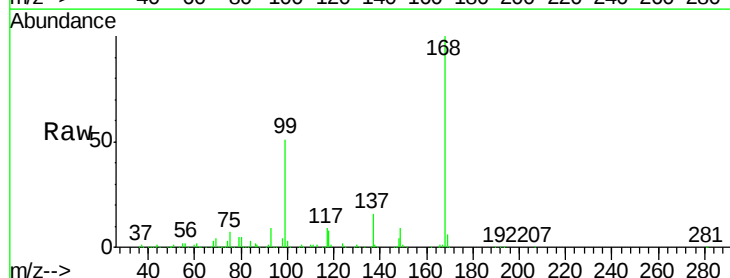
Tgt Ion: 56 Resp: 20823

Ion Ratio Lower Upper

56 100

69 196.6 25.0 37.4#

84 147.0 64.6 96.8#



Abundance Ion 56.00 (55.70 to 56.70): VN049446.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049446.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049446.D (-1793) (-)

7.67

25000

20000

15000

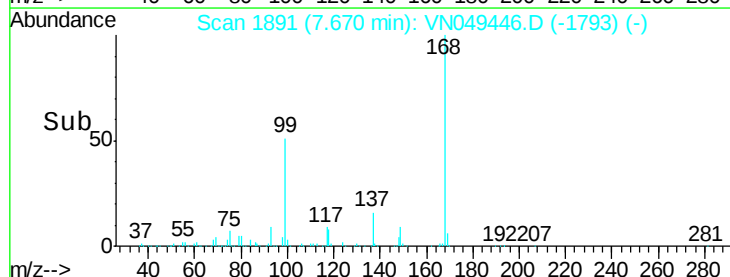
10000

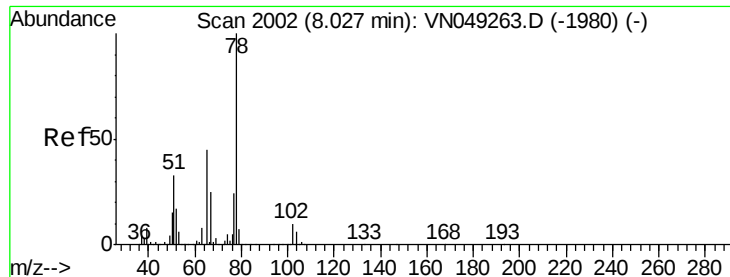
5000

0

7.60 7.65 7.70 7.75

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.83 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

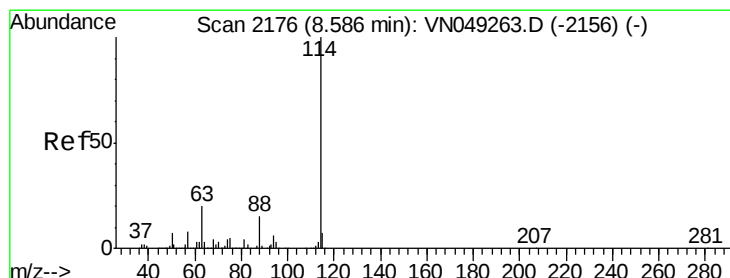
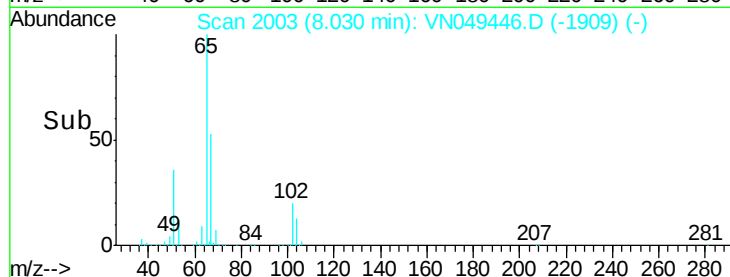
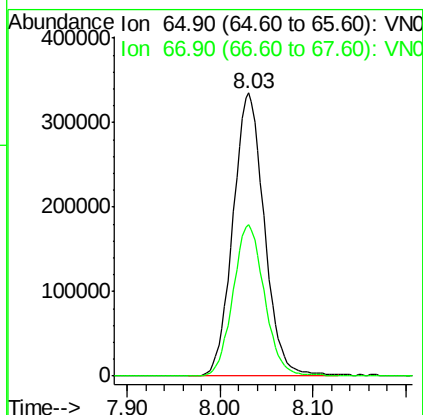
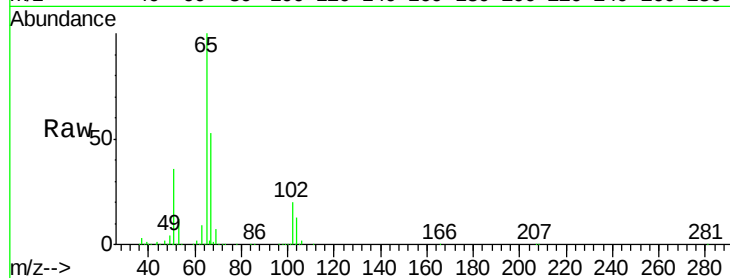
ClientSampleId :

Tot Ion: 65 Resp: 786781

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

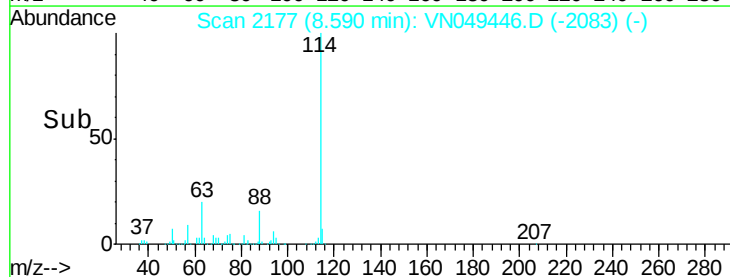
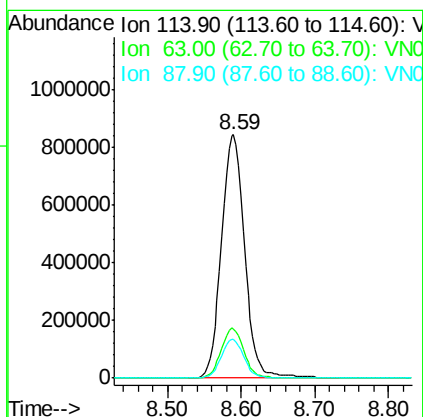
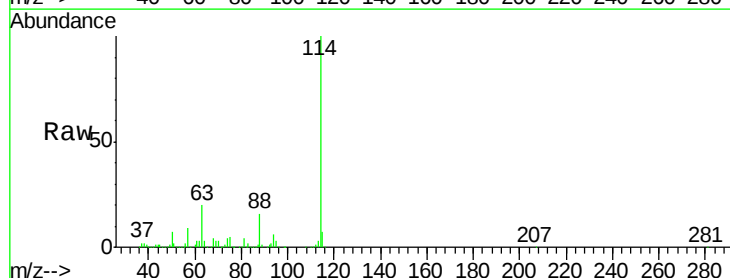
Tgt Ion: 114 Resp: 1849327

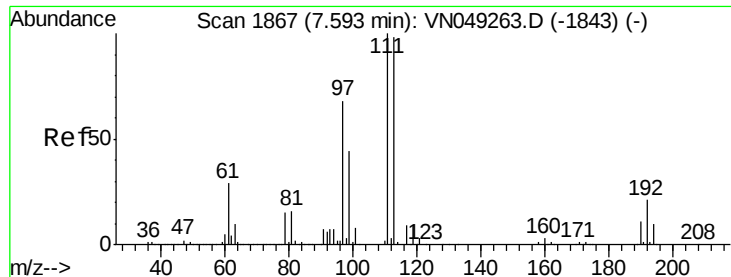
Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.4

88 15.8 0.0 31.4

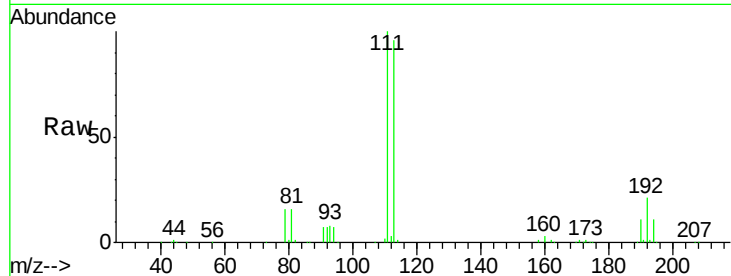




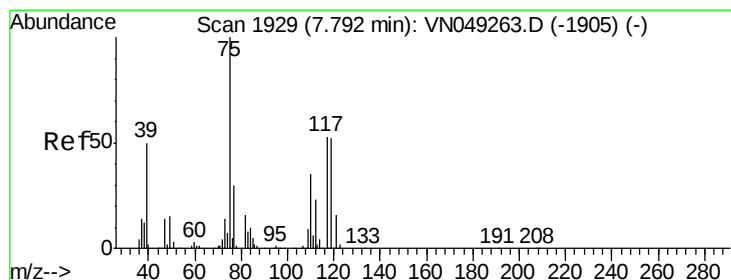
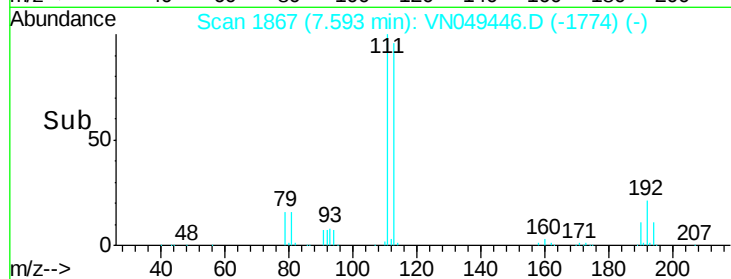
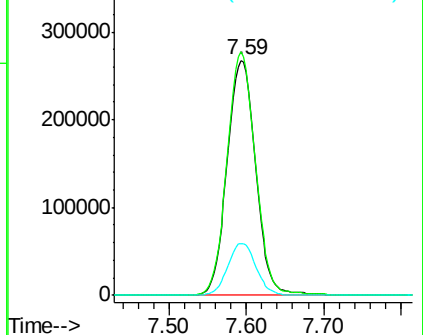
#35
 Dibromofluoromethane
 Concen: 45.82 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049446.D
 Acq: 20 Jun 2018 19:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	21.9	15.0	22.6

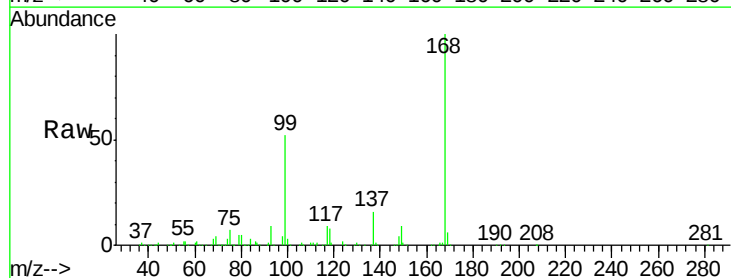


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

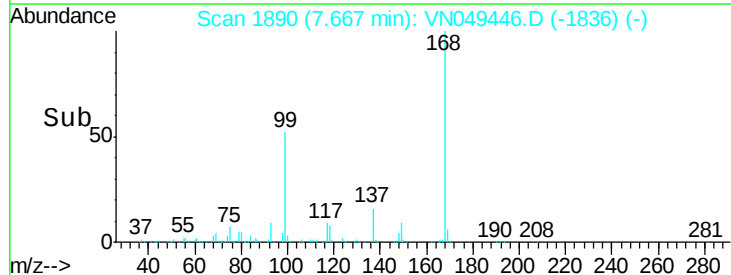
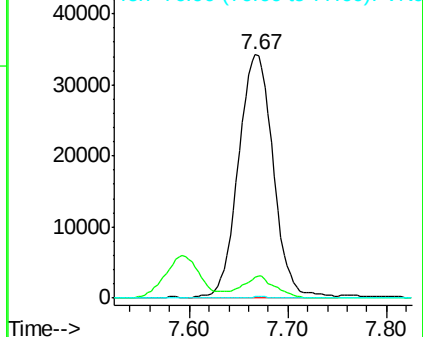


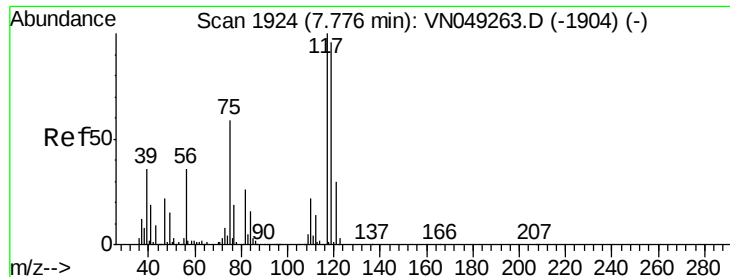
#36
 1,1-Dichloropropene
 Concen: 3.96 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049446.D
 Acq: 20 Jun 2018 19:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.0	50.9#
77	0.2	24.4	36.6#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 4.87 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

ClientSampled :

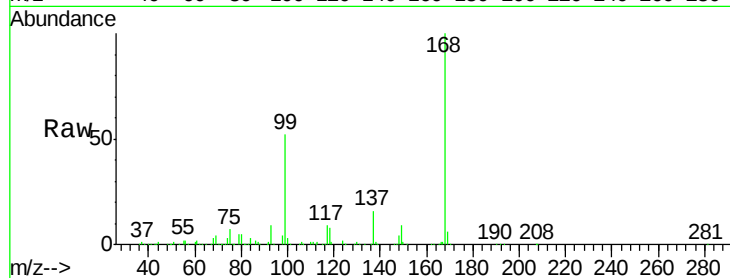
Tot Ion:117 Resp: 106799

Ion Ratio Lower Upper

117 100

119 6.0 75.6 113.4#

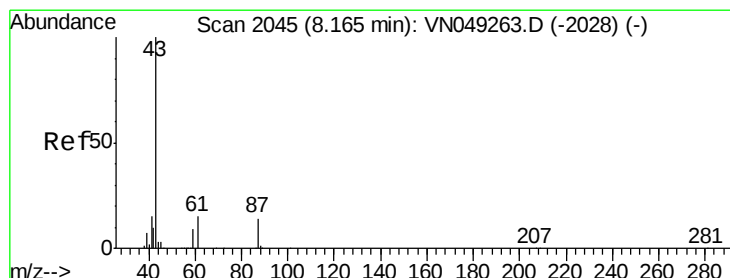
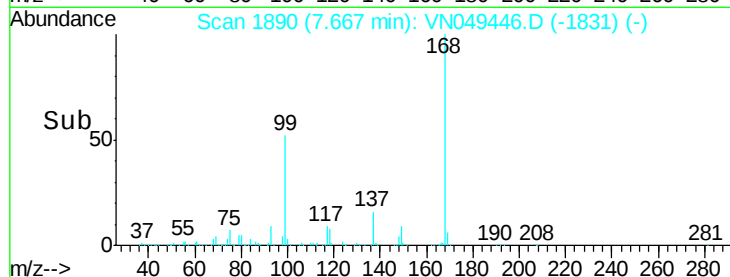
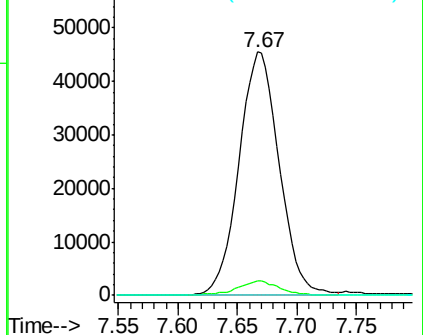
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.52 ug/l

RT: 8.21 min Scan# 2059

Delta R.T. 0.05 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

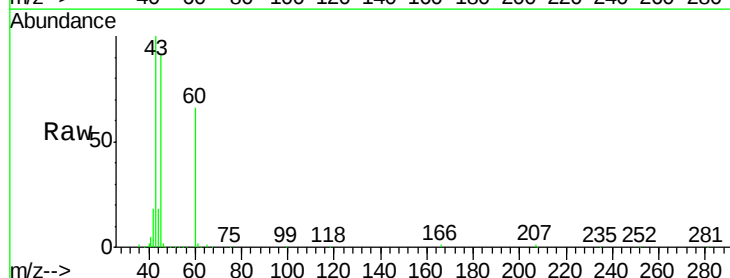
Tgt Ion: 43 Resp: 231541

Ion Ratio Lower Upper

43 100

61 2.0 14.2 21.4#

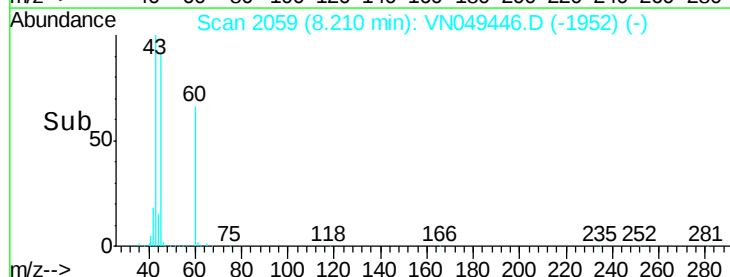
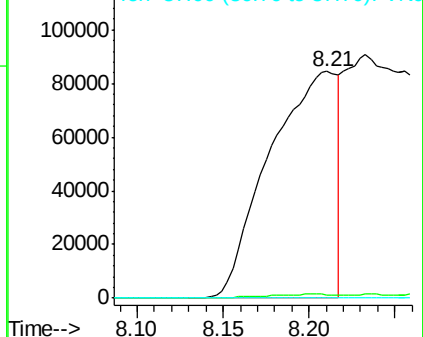
87 0.0 9.4 14.0#

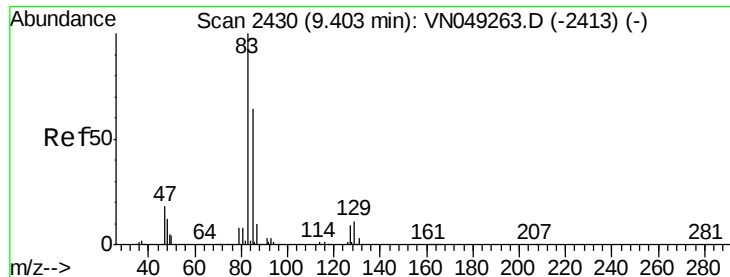


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.20 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :
MSVOA_N
ClientSampled :

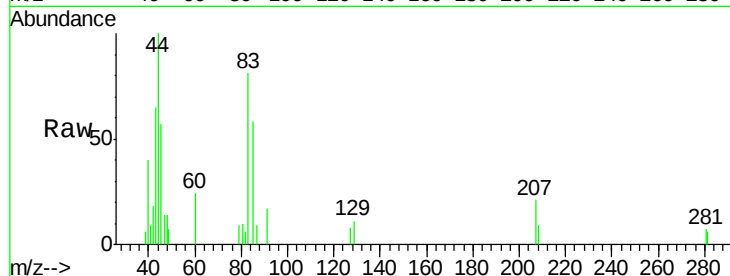
Tot Ion: 83 Resp: 4431

Ion Ratio Lower Upper

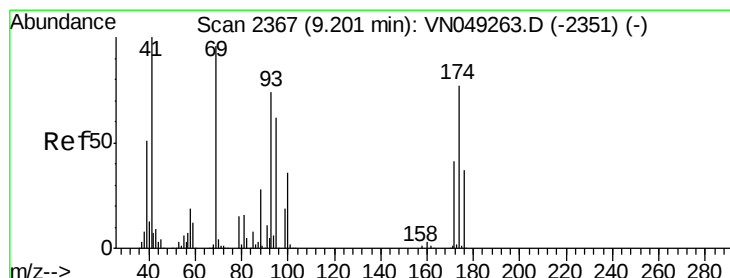
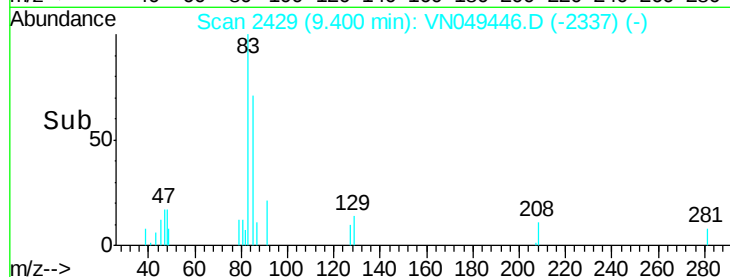
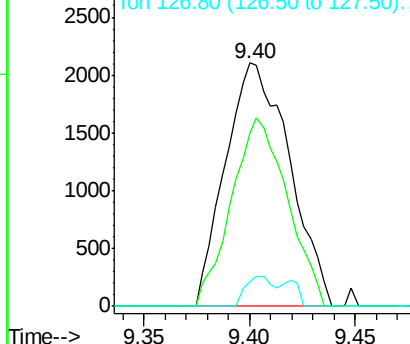
83 100

85 71.3 49.4 74.0

127 10.3 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#49

1,4-Dioxane

Concen: 0.82 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

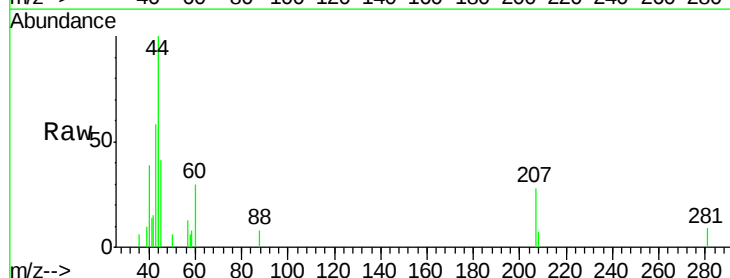
Tgt Ion: 88 Resp: 118

Ion Ratio Lower Upper

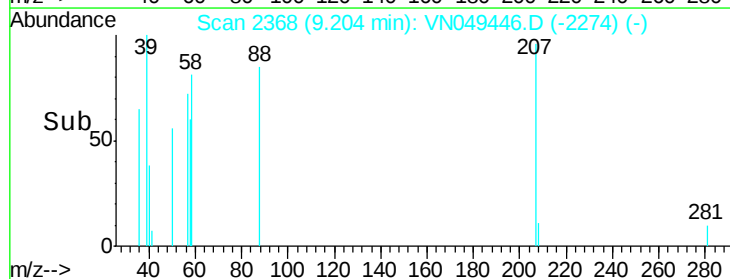
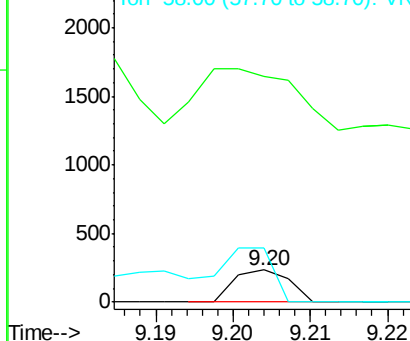
88 100

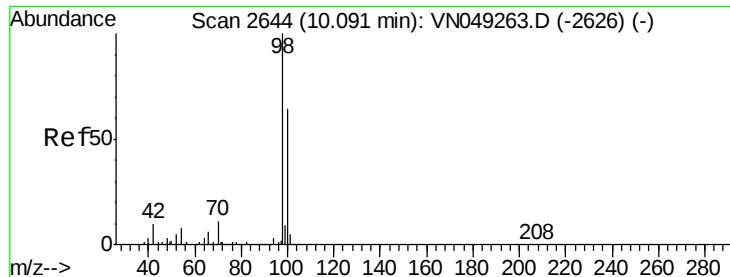
43 298.3 30.9 46.3#

58 160.2 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 44.08 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

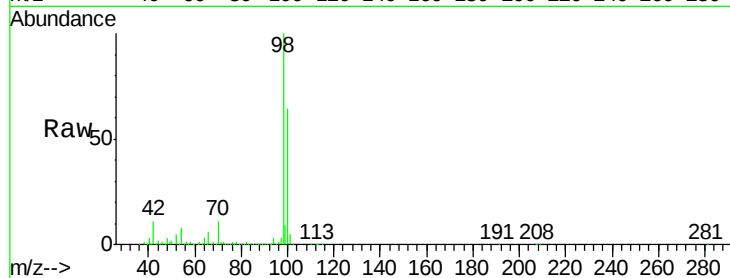
ClientSampled :

Tot Ion: 98 Resp: 2511121

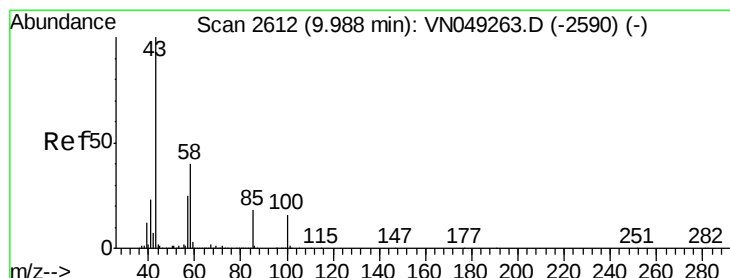
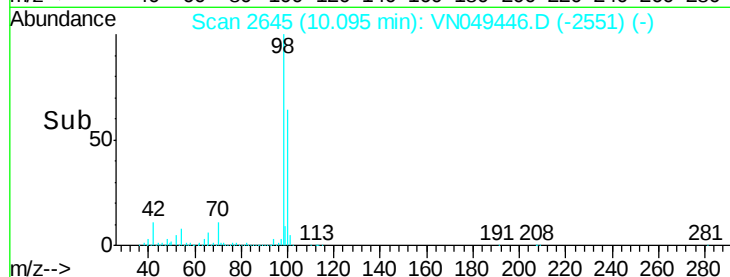
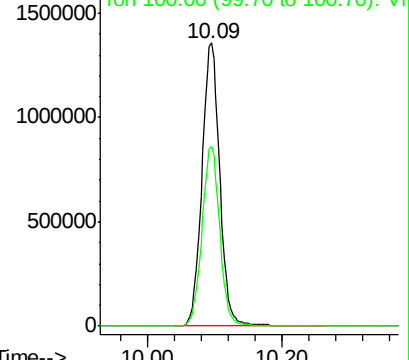
Ion Ratio Lower Upper

98 100

100 63.3 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.34 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN049446.D

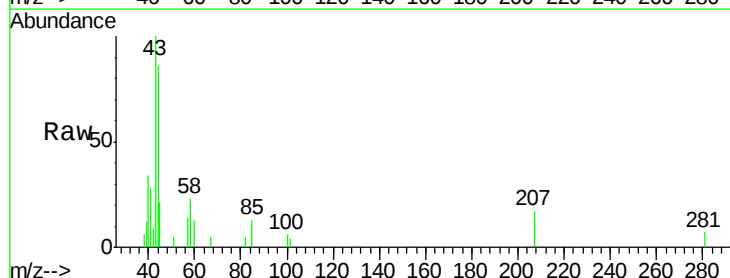
Acq: 20 Jun 2018 19:38

Tgt Ion: 43 Resp: 3881

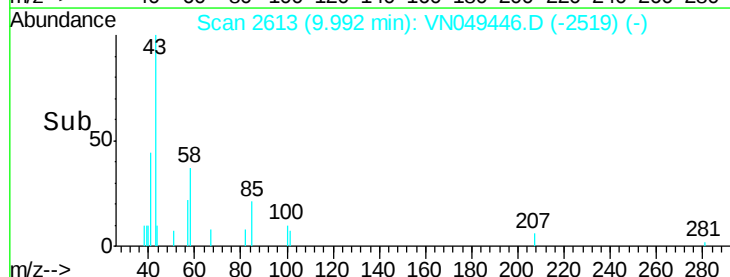
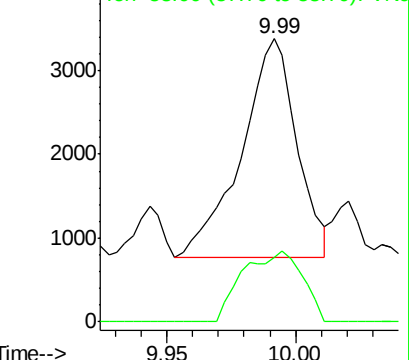
Ion Ratio Lower Upper

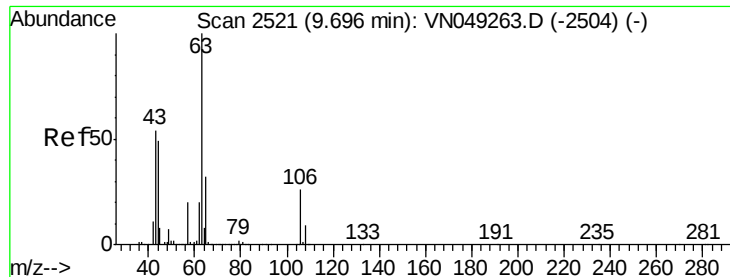
43 100

58 35.2 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)





#58

2-Chloroethyl Vinyl ether

Concen: 14.34 ug/l

RT: 9.54 min Scan# 2474

Delta R.T. -0.15 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

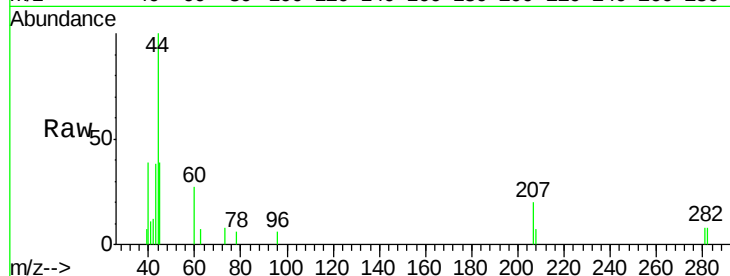
ClientSampleId :

Tot Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.54

150

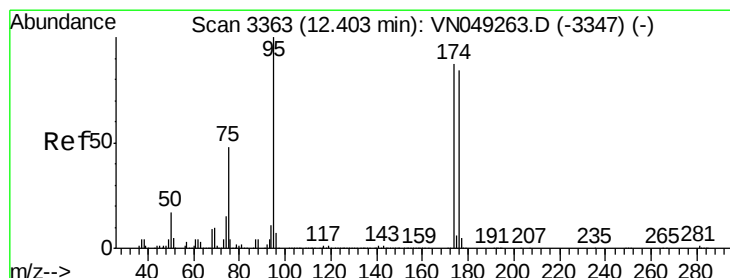
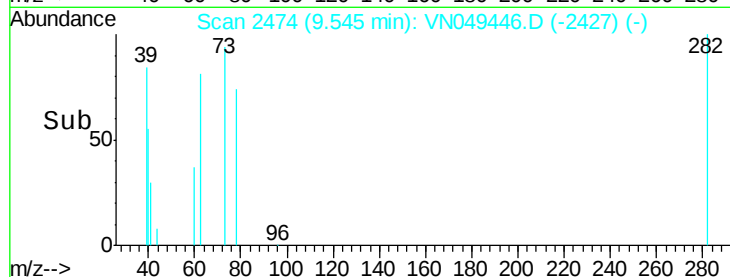
100

50

0

9.53 9.54 9.55

Time-->



#62

4-Bromofluorobenzene

Concen: 34.74 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

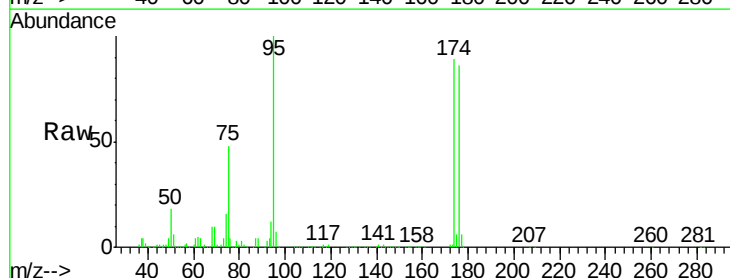
Tgt Ion: 95 Resp: 654489

Ion Ratio Lower Upper

95 100

174 89.9 0.0 165.6

176 86.0 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

300000

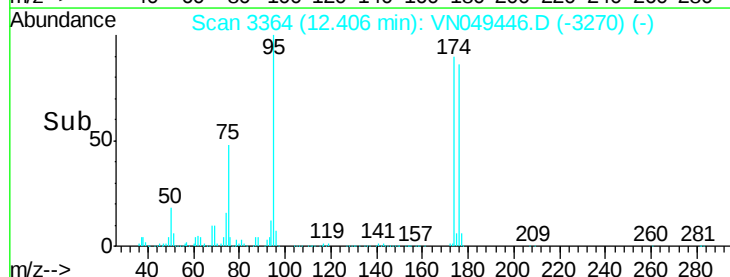
200000

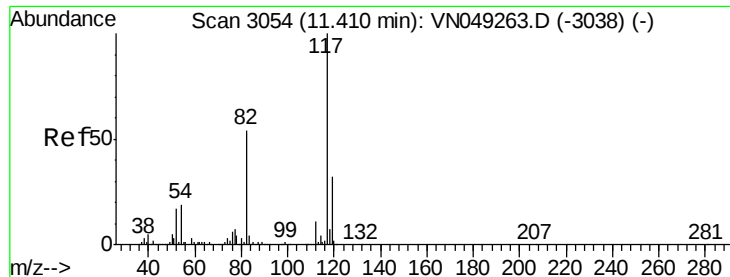
100000

0

12.30 12.40 12.50

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

ClientSampled :

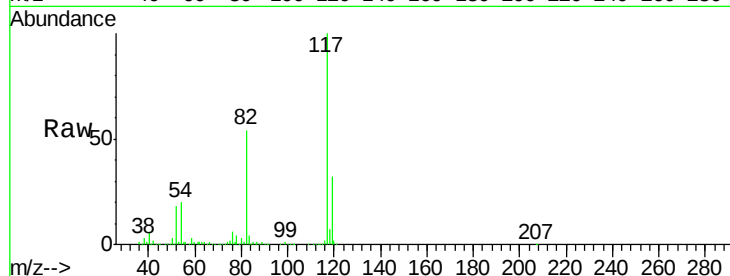
Tot Ion:117 Resp: 1514008

Ion Ratio Lower Upper

117 100

82 53.8 45.9 68.9

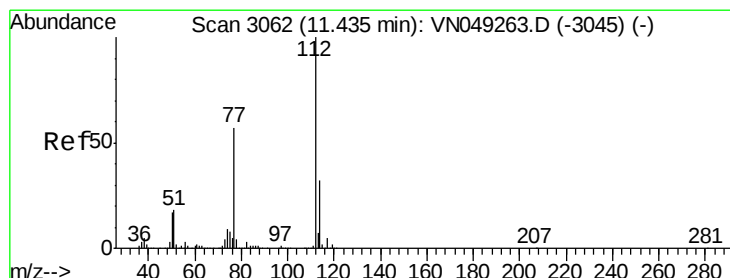
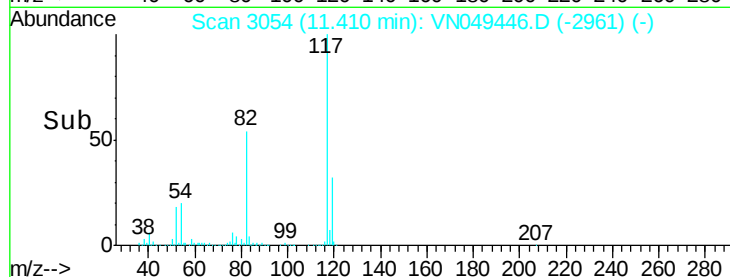
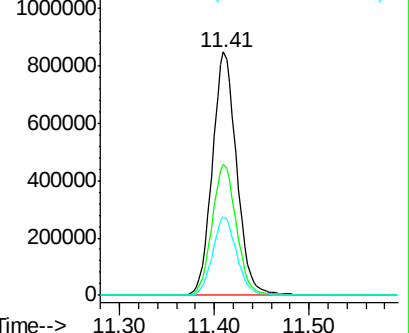
119 32.4 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.31 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049446.D

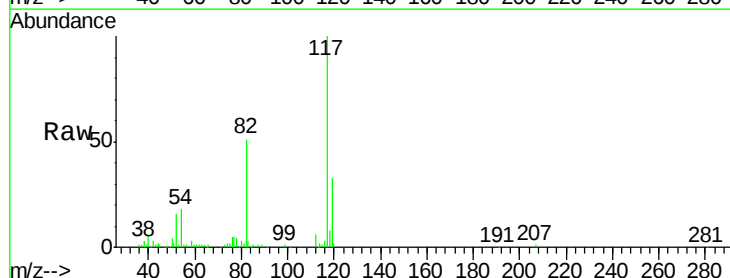
Acq: 20 Jun 2018 19:38

Tgt Ion:112 Resp: 12089

Ion Ratio Lower Upper

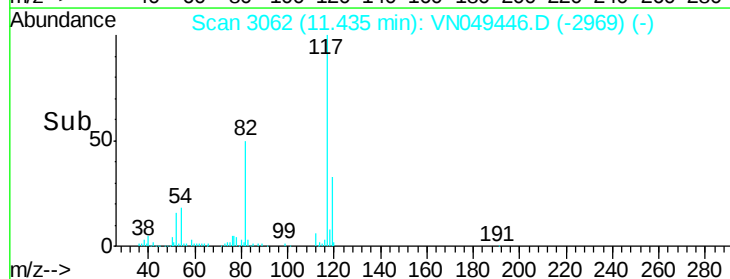
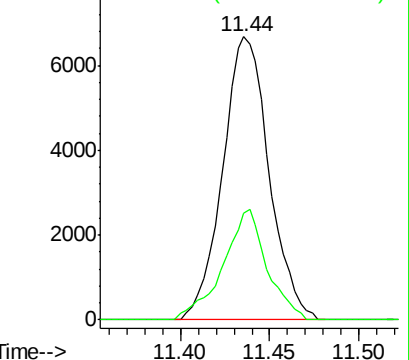
112 100

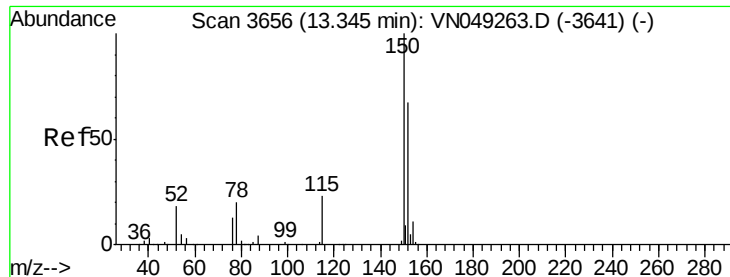
114 37.6 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

ClientSampleId :

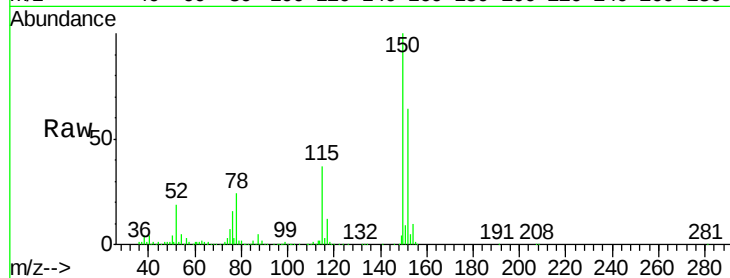
Tot Ion:152 Resp: 482352

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.1

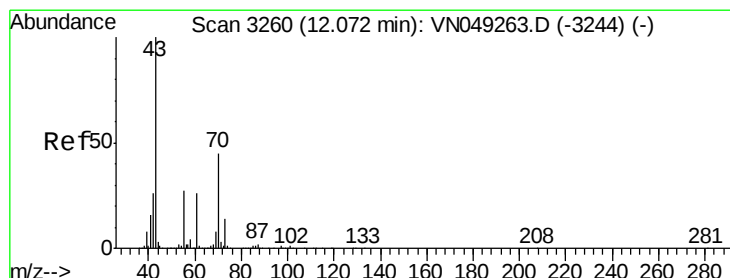
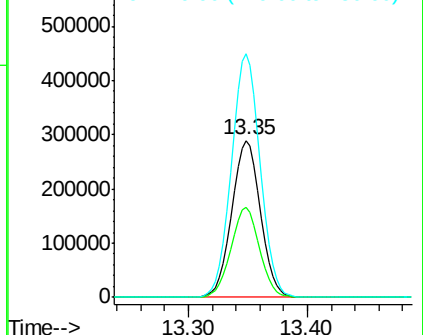
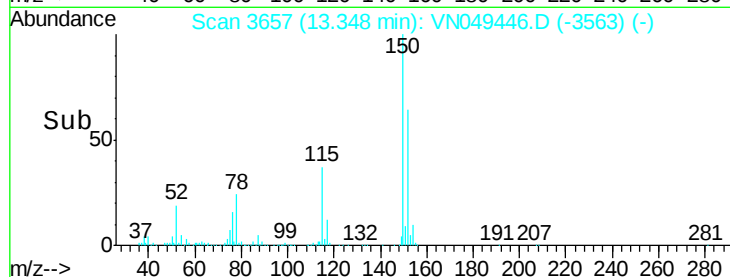
150 155.5 0.0 351.0



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



#74

N-ethyl acetate

Concen: 0.29 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Tgt Ion: 43 Resp: 2992

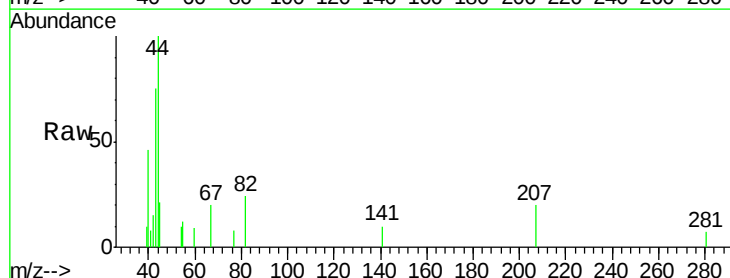
Ion Ratio Lower Upper

43 100

70 1.1 30.3 45.5#

55 12.9 19.4 29.2#

61 0.0 17.8 26.6#

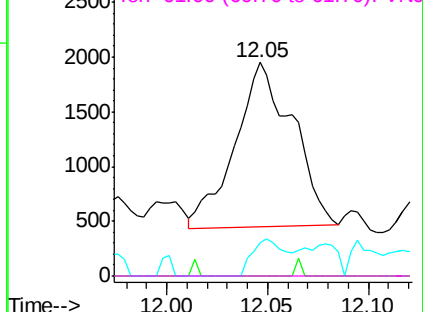
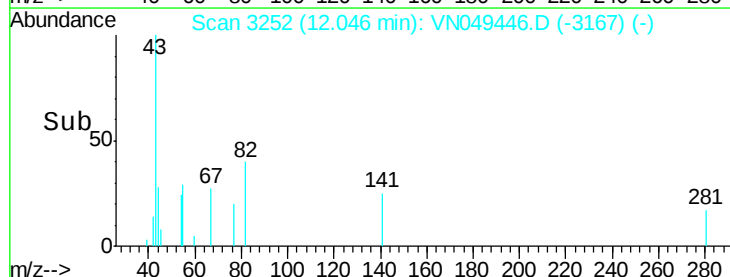


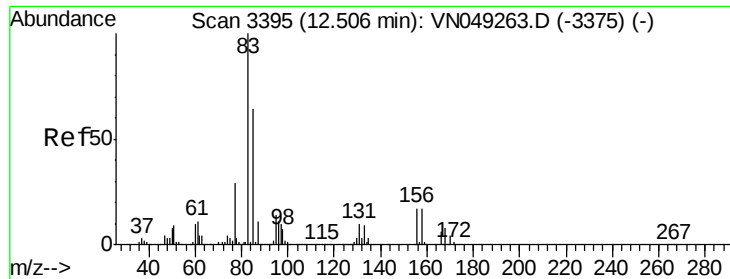
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3397

Delta R.T. 0.01 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

ClientSampled :

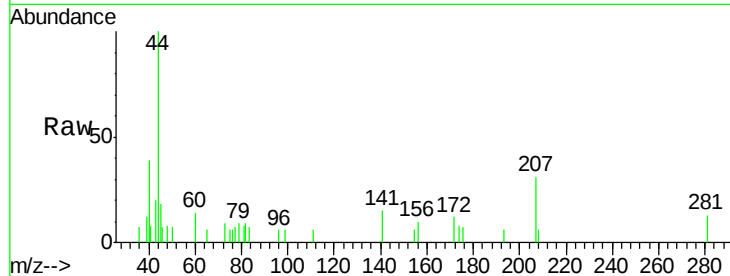
Tot Ion: 83 Resp: 156

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

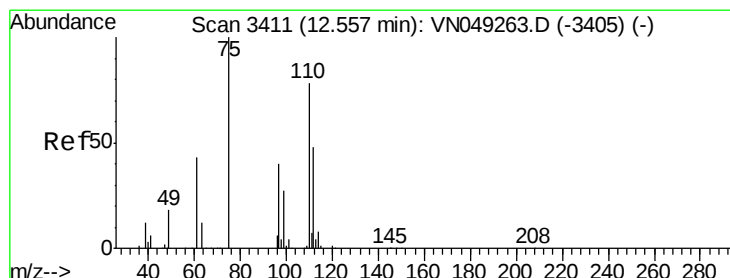
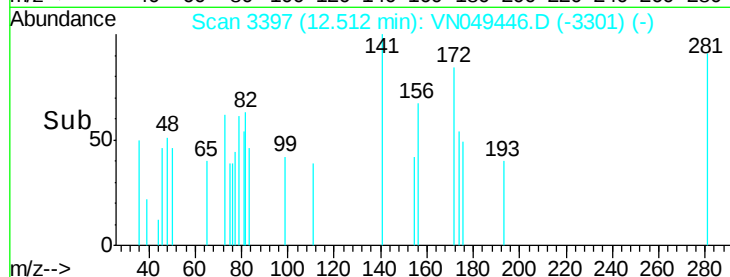
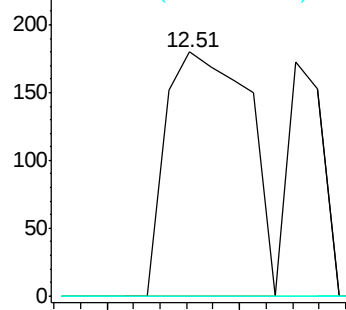
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): 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: 38.46 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049446.D

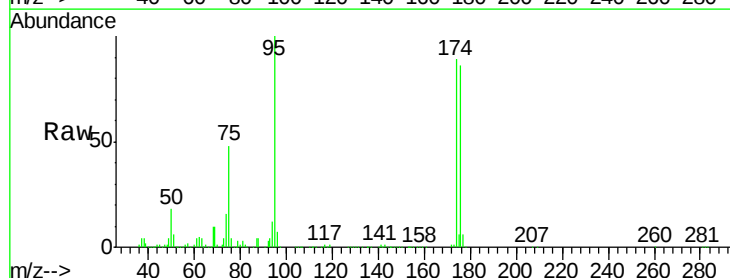
Acq: 20 Jun 2018 19:38

Tgt Ion: 75 Resp: 316507

Ion Ratio Lower Upper

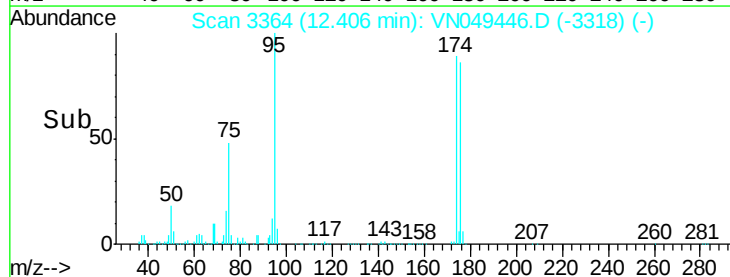
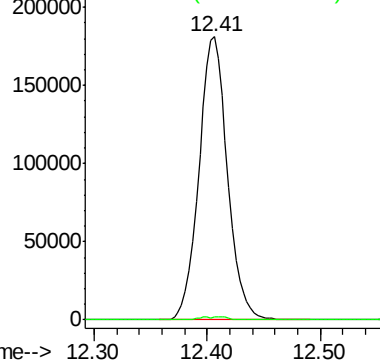
75 100

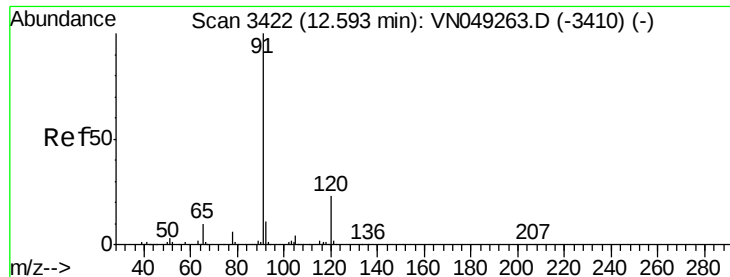
77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#78

n-propylbenzene

Concen: 0.42 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

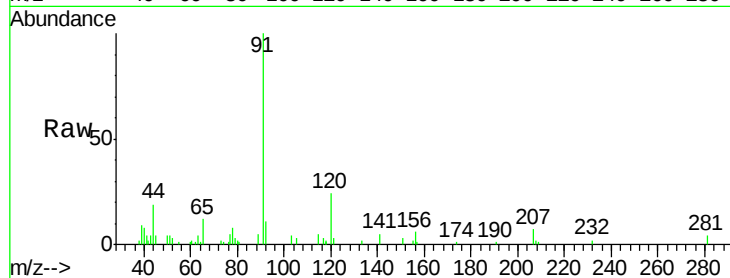
ClientSampleId :

Tot Ion: 91 Resp: 19556

Ion Ratio Lower Upper

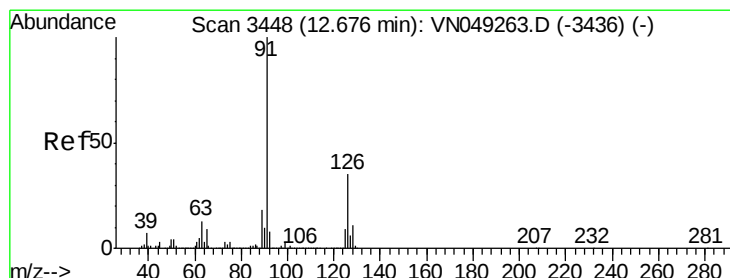
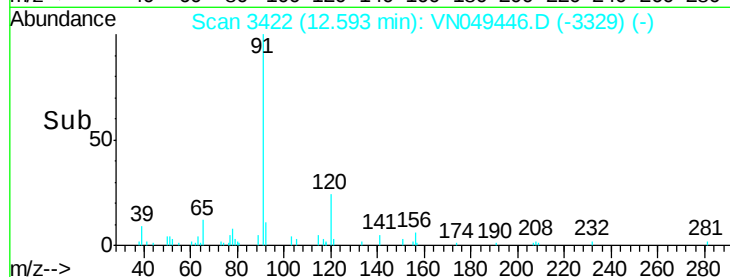
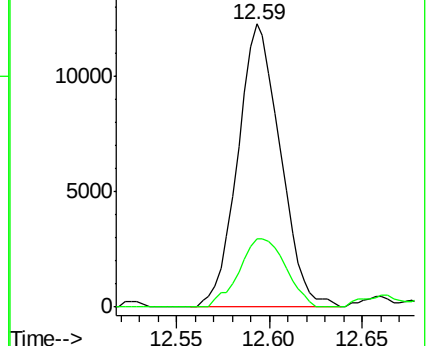
91 100

120 26.4 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: 0.66 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN049446.D

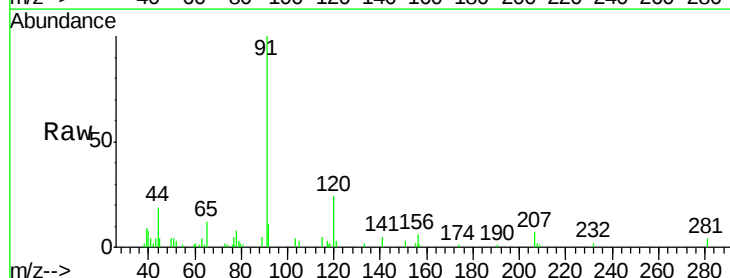
Acq: 20 Jun 2018 19:38

Tgt Ion: 91 Resp: 19556

Ion Ratio Lower Upper

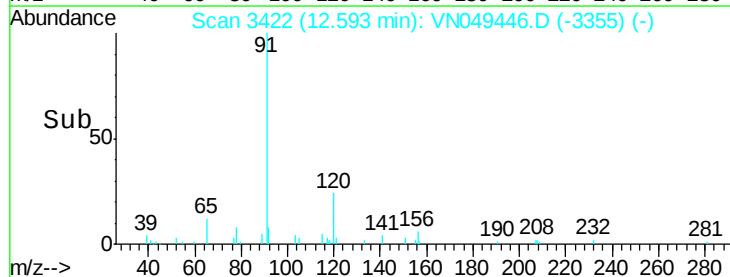
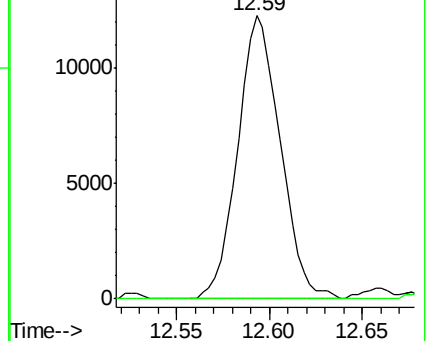
91 100

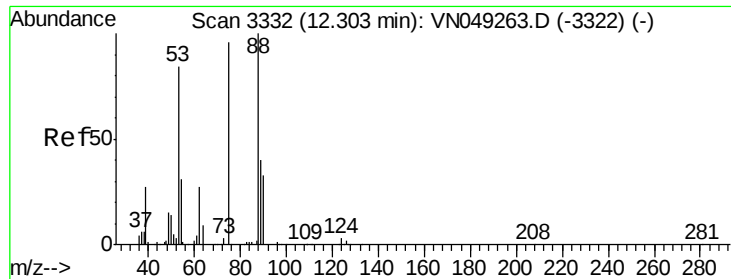
126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 121.54 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

ClientSampled :

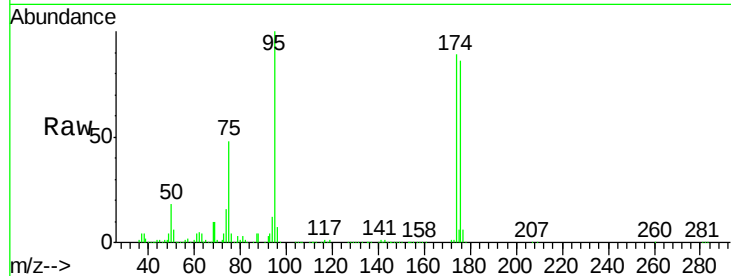
Tot Ion: 75 Resp: 316507

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

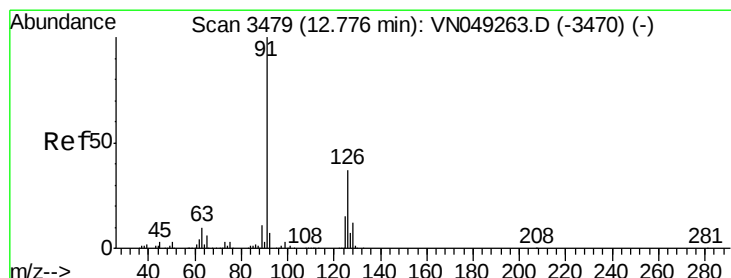
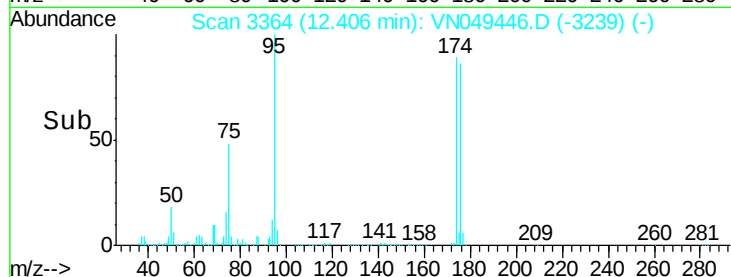
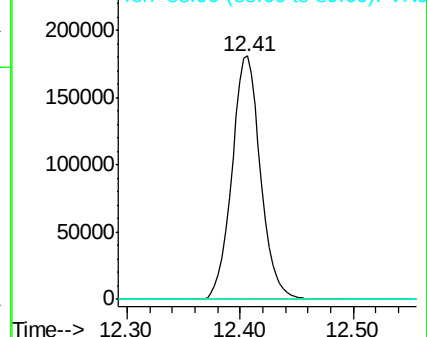
89 0.0 36.5 54.7#



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: 0.69 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN049446.D

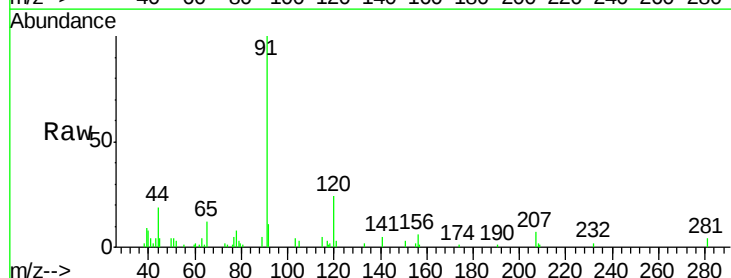
Acq: 20 Jun 2018 19:38

Tgt Ion: 91 Resp: 19556

Ion Ratio Lower Upper

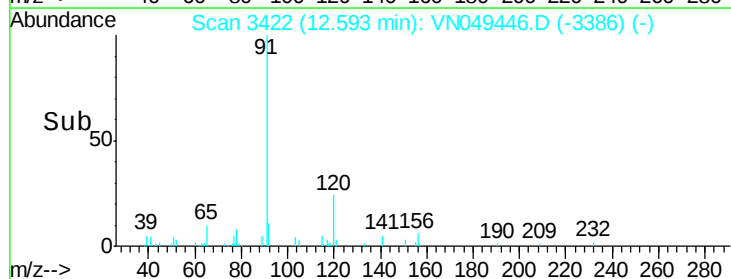
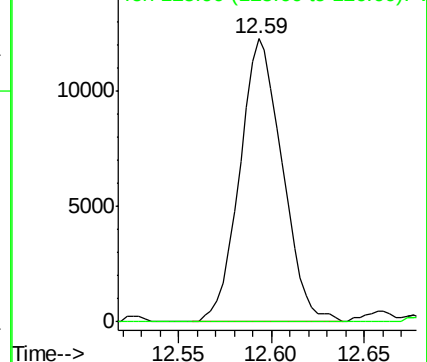
91 100

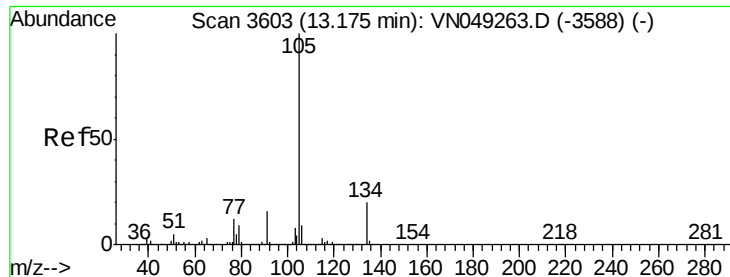
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#85

sec-Butylbenzene

Concen: 0.31 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049446.D

Acq: 20 Jun 2018 19:38

Instrument :

MSVOA_N

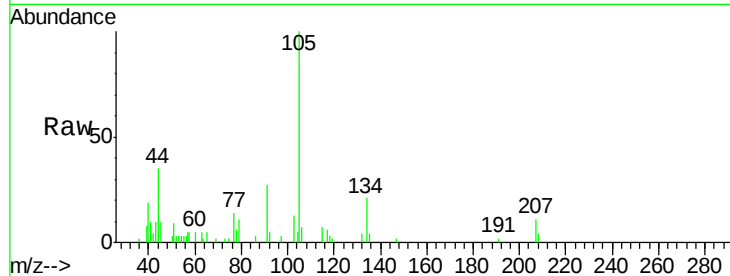
ClientSampleId :

Tot Ion:105 Resp: 12041

Ion Ratio Lower Upper

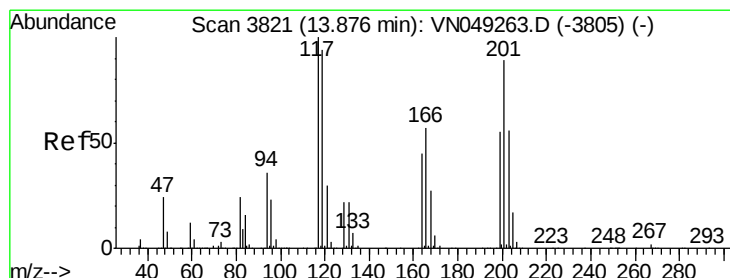
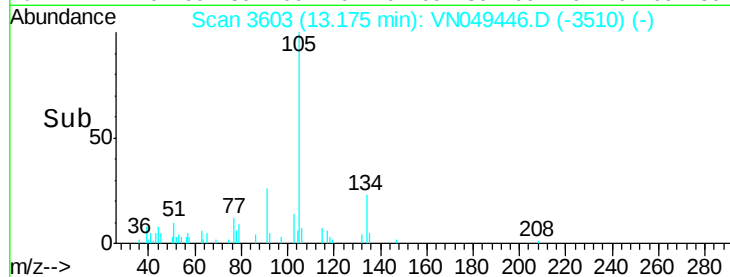
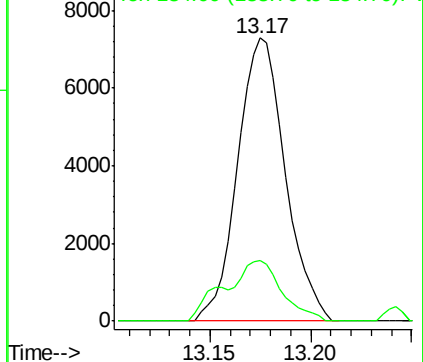
105 100

134 25.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049446.D

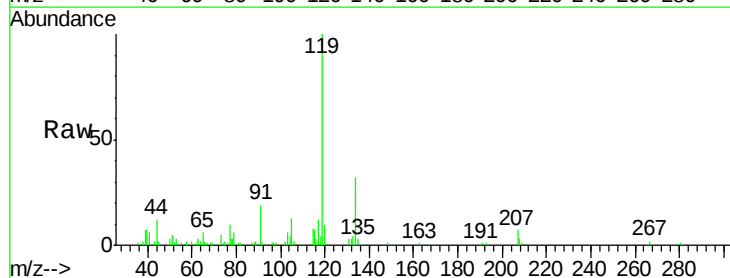
Acq: 20 Jun 2018 19:38

Tgt Ion:117 Resp: 4238

Ion Ratio Lower Upper

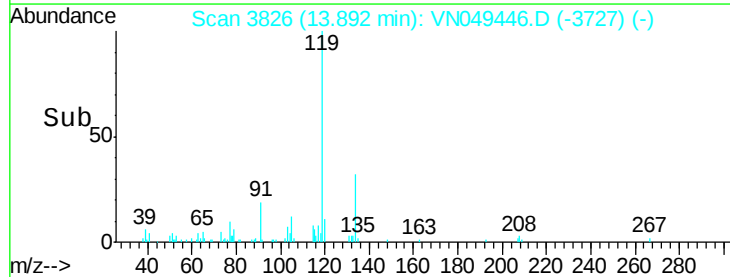
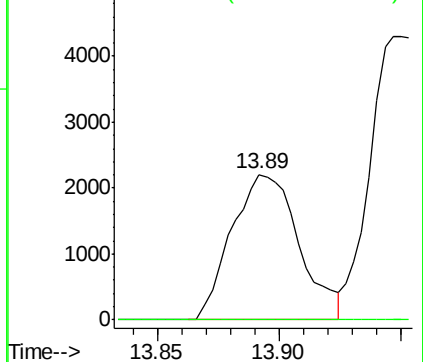
117 100

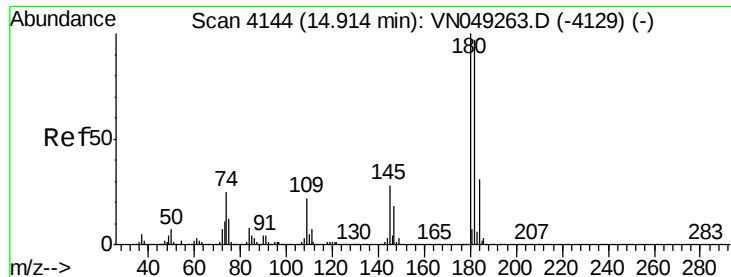
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

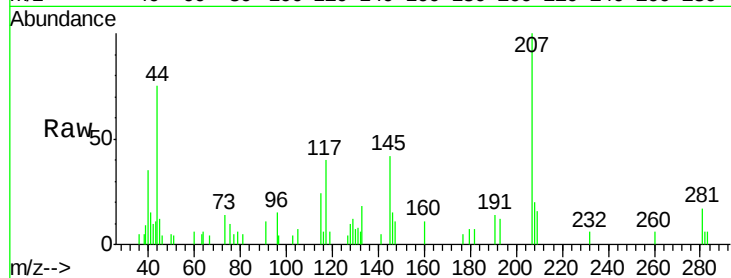




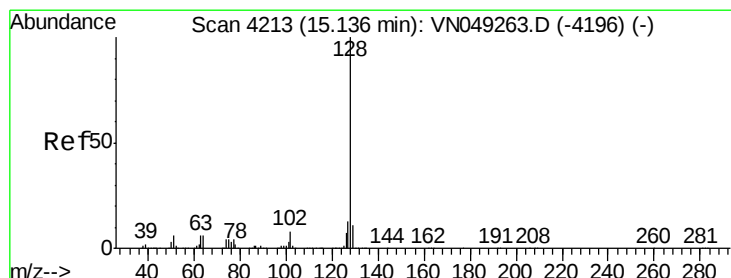
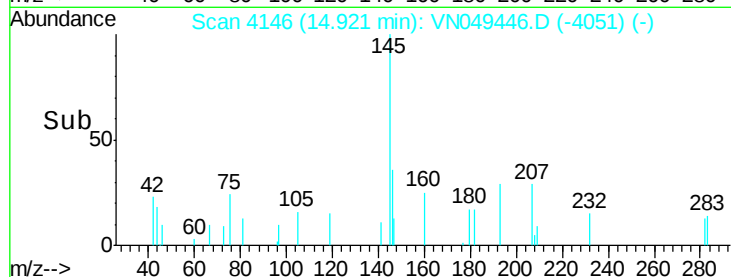
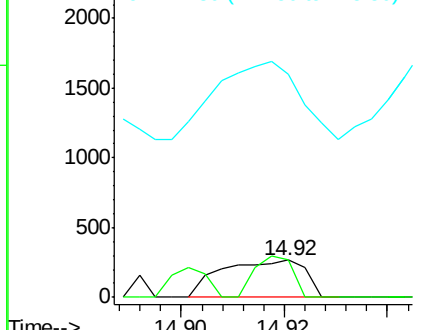
#93
 1,2,4-Trichlorobenzene
 Concen: 4.78 ug/l
 RT: 14.92 min Scan# 4146
 Delta R.T. 0.01 min
 Lab File: VN049446.D
 Acq: 20 Jun 2018 19:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 299
 Ion Ratio Lower Upper
 180 100
 182 50.2 46.9 140.8
 145 938.1 14.7 44.1#

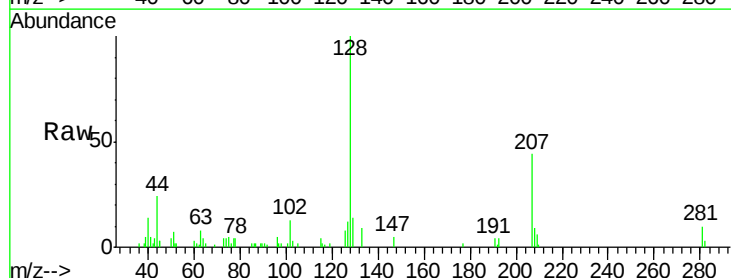


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

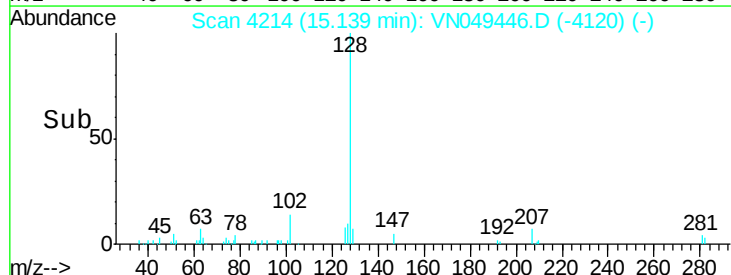
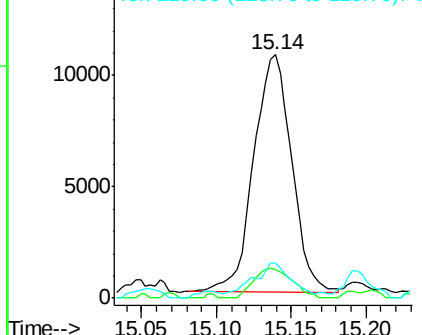


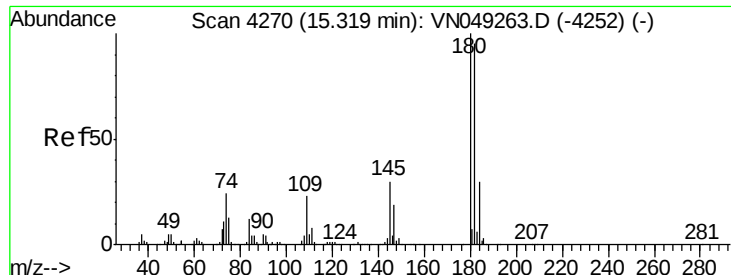
#95
 Naphthalene
 Concen: 3.48 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN049446.D
 Acq: 20 Jun 2018 19:38

Tgt Ion:128 Resp: 18828
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.6 16.0
 129 11.9 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

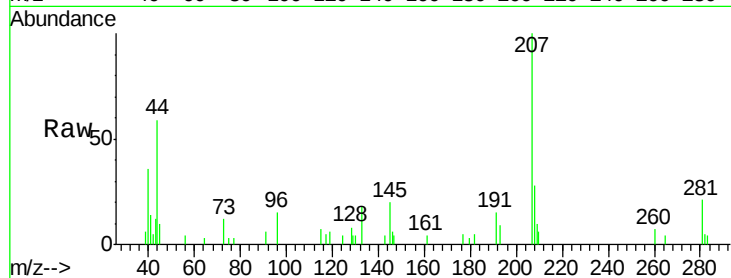




#96
 1,2,3-Trichlorobenzene
 Concen: 3.46 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: VN049446.D
 Acq: 20 Jun 2018 19:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	269.0	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

