

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062618\
 Data File : VN049556.D
 Acq On : 26 Jun 2018 16:48
 Operator : MD\SY
 Sample : J3702-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 27 01:04:28 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	1323819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2065911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1724706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	728431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	834534	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
35) Dibromofluoromethane	7.59	113	749946	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	
50) Toluene-d8	10.09	98	2775885	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	
62) 4-Bromofluorobenzene	12.40	95	840508	39.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.88%	

Target Compounds

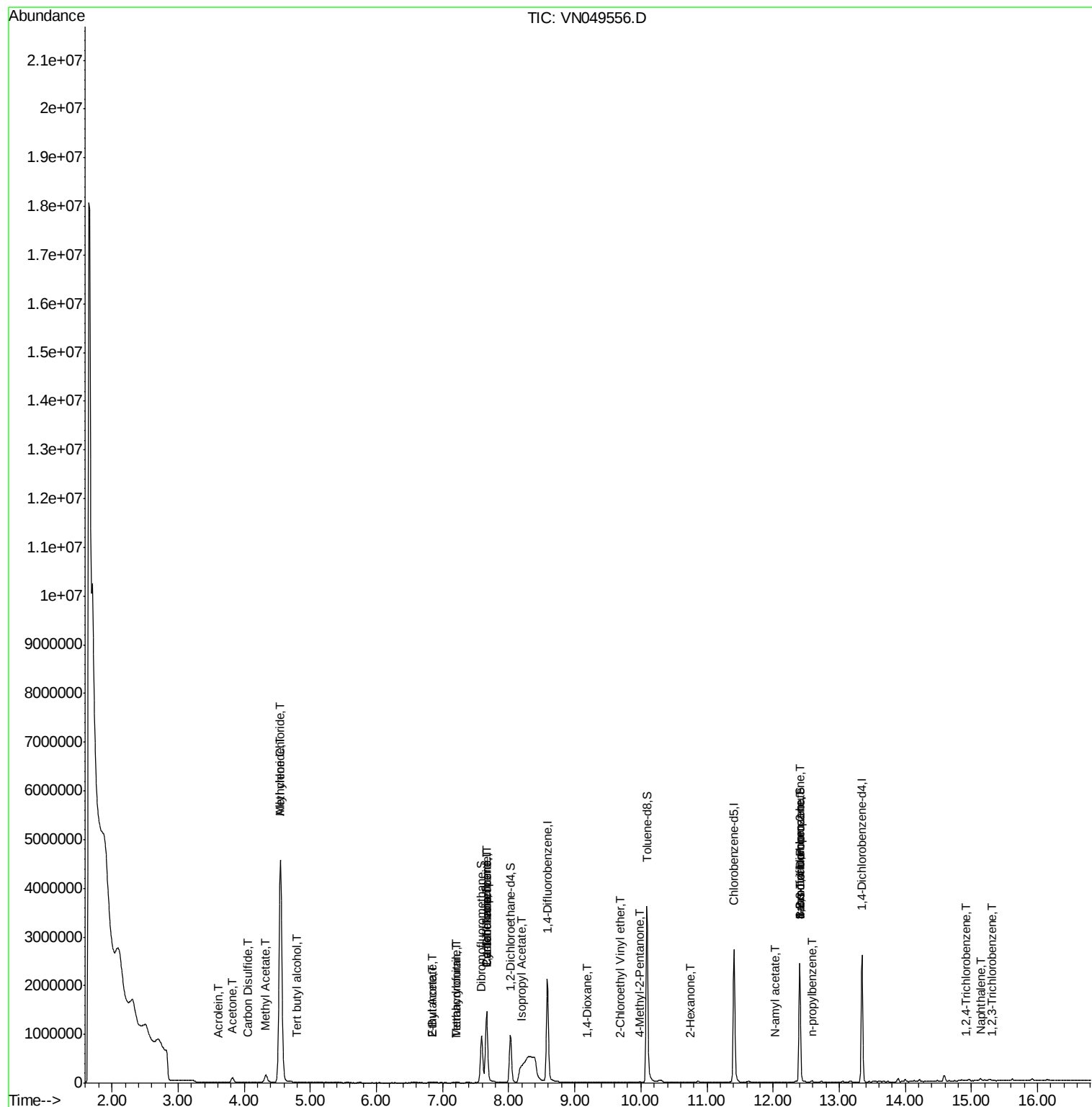
						Qvalue
11) Tert butyl alcohol	4.79	59	797	0.77	ug/l #	70
13) Acrolein	3.62	56	1698	1.57	ug/l #	75
14) Allyl chloride	4.55	41	117071	4.88	ug/l #	20
16) Acetone	3.82	43	185746	43.57	ug/l	91
17) Carbon Disulfide	4.05	76	16480	0.35	ug/l	97
18) Methyl Acetate	4.33	43	299779	23.06	ug/l	97
20) Methylene Chloride	4.55	84	3547763	199.25	ug/l	91
25) 2-Butanone	6.85	43	16158	2.82	ug/l	96
29) Tetrahydrofuran	7.22	42	1025	0.28	ug/l #	66
31) Cyclohexane	7.67	56	22293	0.68	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	87443	3.69	ug/l #	51
37) Ethyl Acetate	6.85	43	16158	1.26	ug/l #	82
38) Carbon Tetrachloride	7.67	117	117773	4.80	ug/l #	17
41) Methacrylonitrile	7.20	41	1454	0.21	ug/l #	100
43) Isopropyl Acetate	8.19	43	301819	12.27	ug/l #	66
49) 1,4-Dioxane	9.20	88	214	1.34	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7137	0.55	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.69	63	128	14.34	ug/l #	51
59) 2-Hexanone	10.75	43	3464	0.42	ug/l	85
71) Bromoform	12.40	173	3493	0.32	ug/l #	1
74) N-amyl acetate	12.04	43	3519	0.22	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.50	83	280	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	405246	32.61	ug/l #	100
78) n-propylbenzene	12.59	91	20348	0.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	405246	103.05	ug/l #	8
90) Hexachloroethane	13.89	117	4274	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.91	180	1268	4.83	ug/l #	1
94) Hexachlorobutadiene	15.01	225	403	Below	Cal #	1
95) Naphthalene	15.14	128	37633	3.94	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	1383	3.56	ug/l #	82

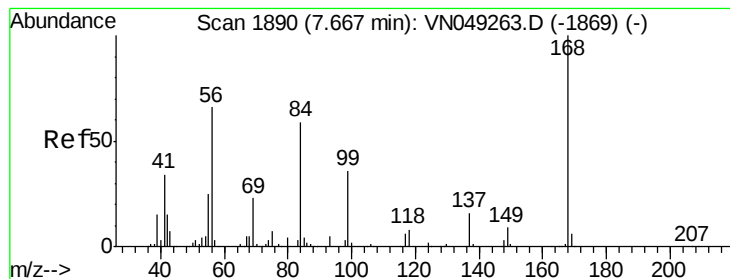
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

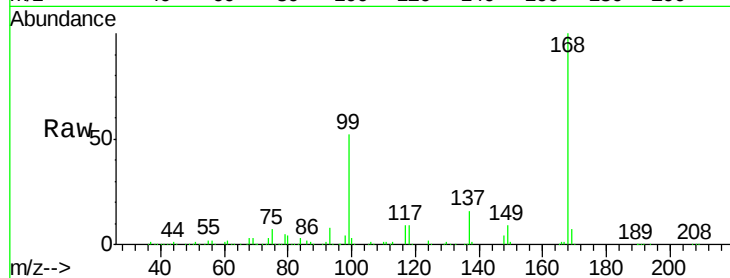
ClientSampled :

Tot Ion:168 Resp: 1323819

Ion Ratio Lower Upper

168 100

99 52.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

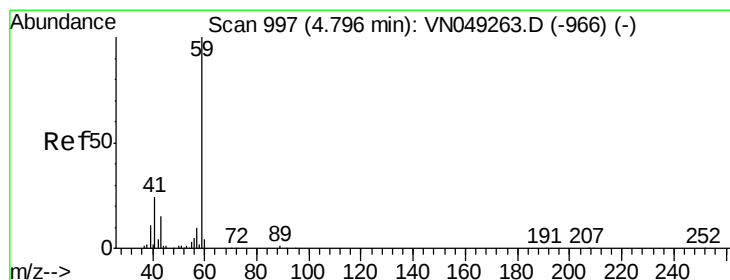
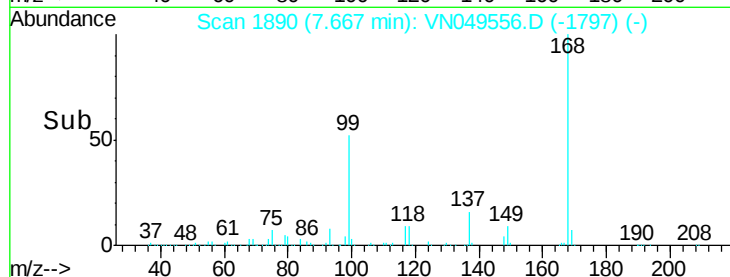
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.77 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN049556.D

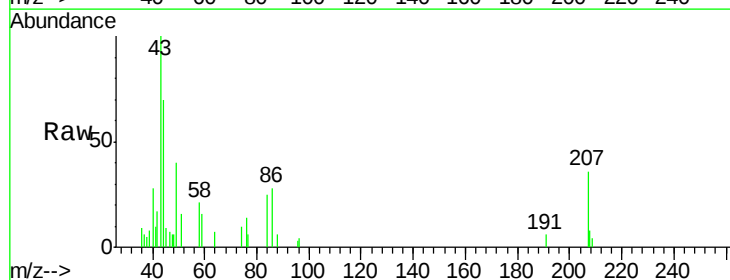
Acq: 26 Jun 2018 16:48

Tgt Ion: 59 Resp: 797

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.79

800

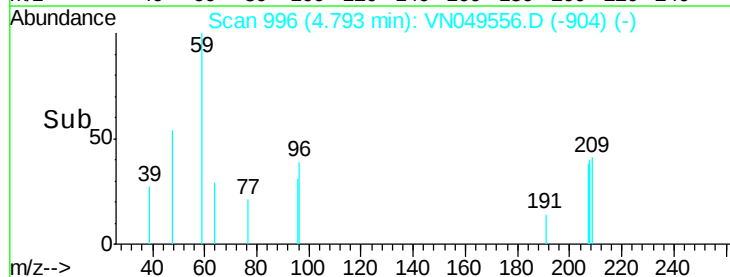
600

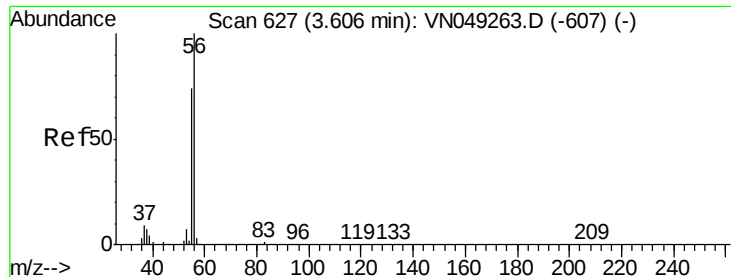
400

200

0

Time-->





#13

Acrolein

Concen: 1.57 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

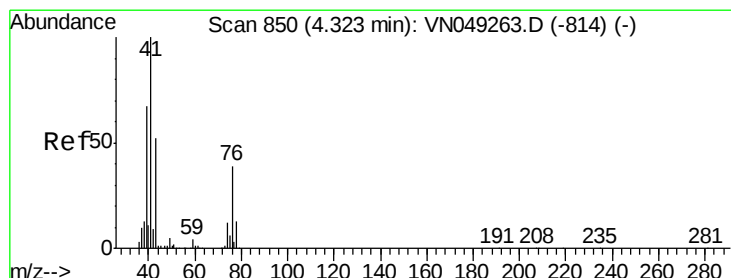
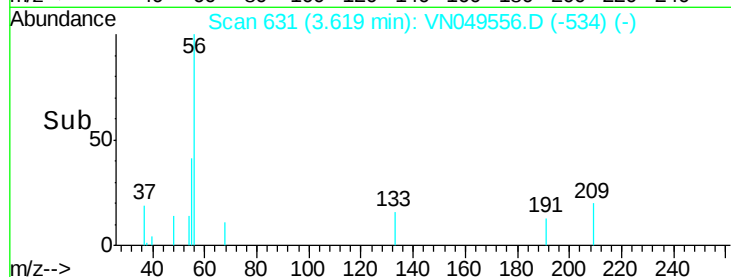
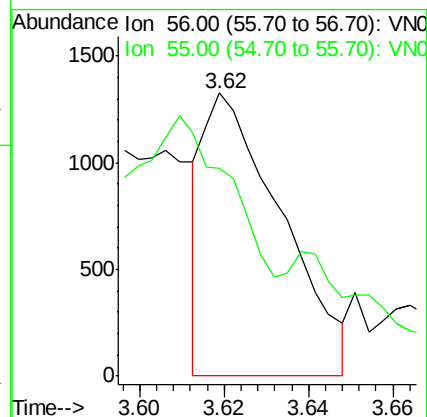
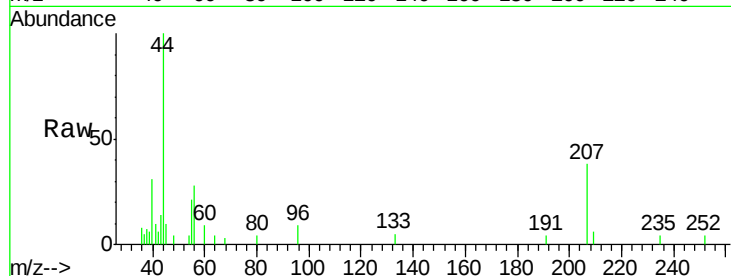
ClientSampled :

Tot Ion: 56 Resp: 1698

Ion Ratio Lower Upper

56 100

55 92.4 57.1 85.7#



#14

Allyl chloride

Concen: 4.88 ug/l

RT: 4.55 min Scan# 920

Delta R.T. 0.23 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

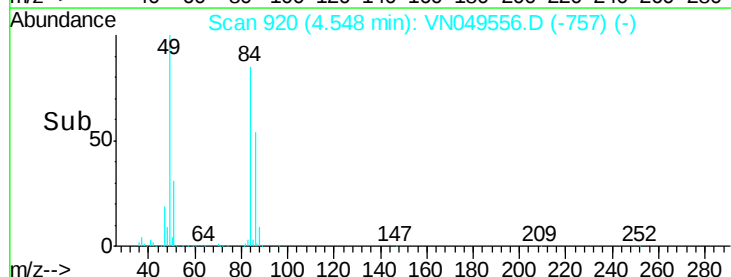
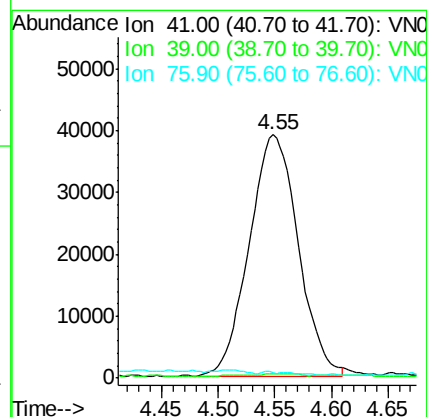
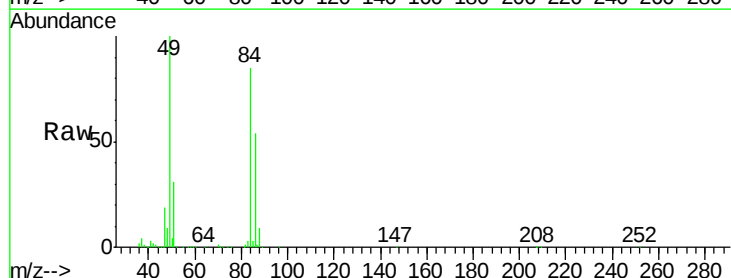
Tgt Ion: 41 Resp: 117071

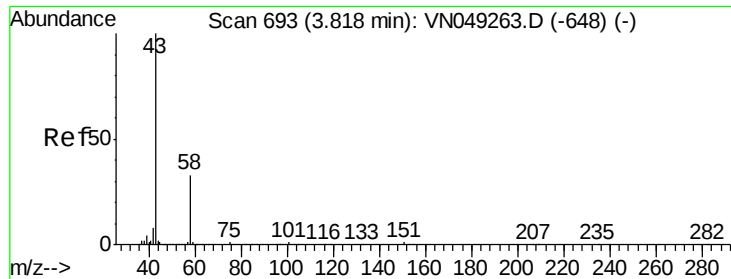
Ion Ratio Lower Upper

41 100

39 0.6 62.5 93.7#

76 0.0 27.1 40.7#





#16

Acetone

Concen: 43.57 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

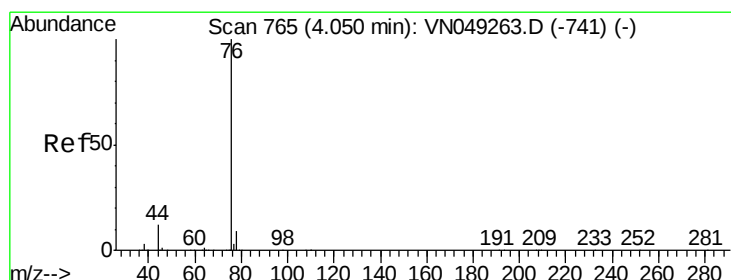
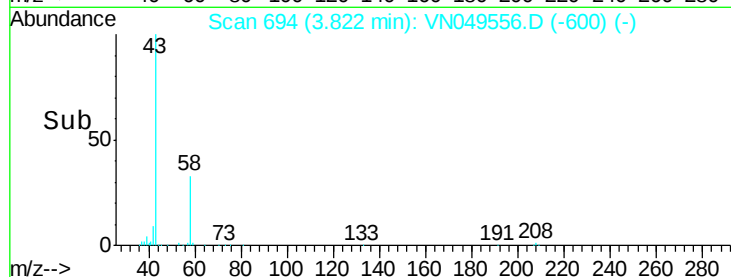
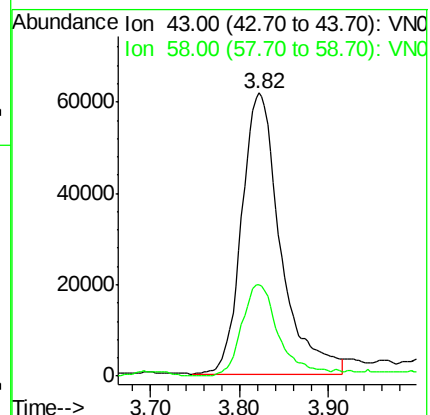
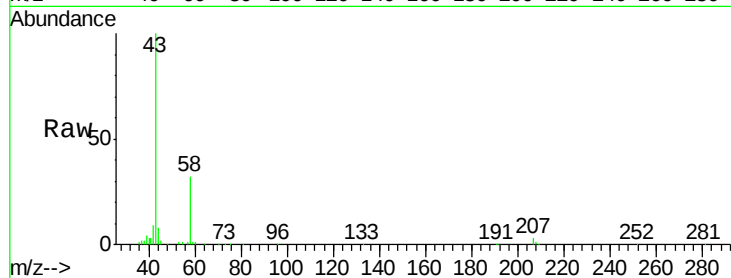
ClientSampleId :

Tot Ion: 43 Resp: 185746

Ion Ratio Lower Upper

43 100

58 32.7 22.4 33.6



#17

Carbon Disulfide

Concen: 0.35 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049556.D

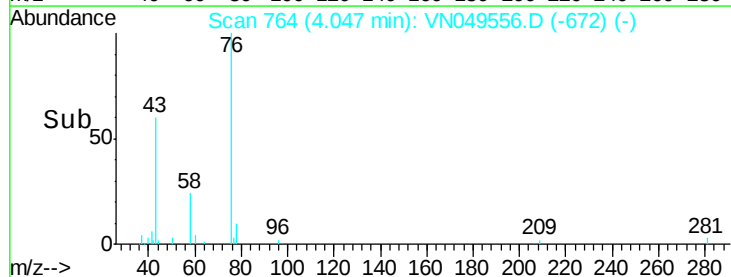
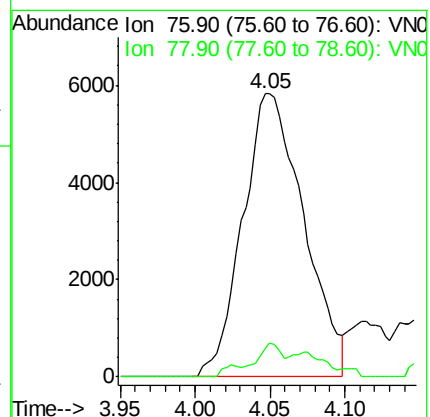
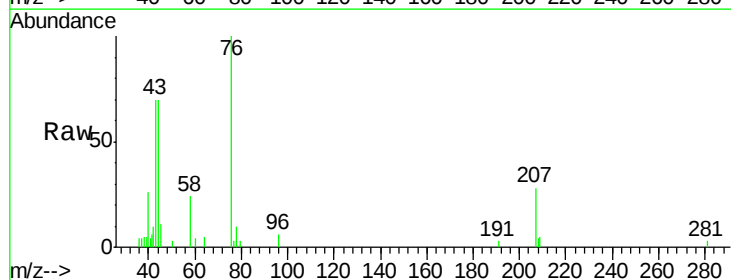
Acq: 26 Jun 2018 16:48

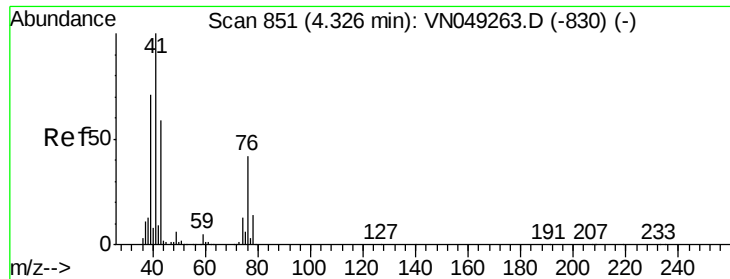
Tgt Ion: 76 Resp: 16480

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0

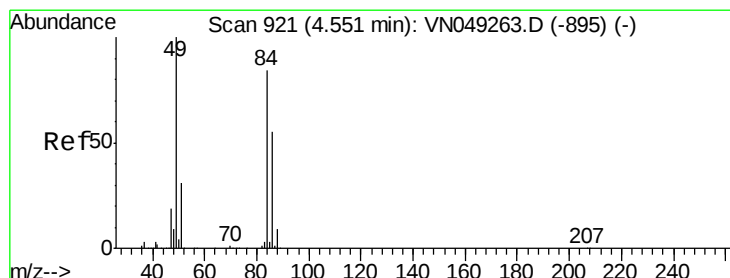
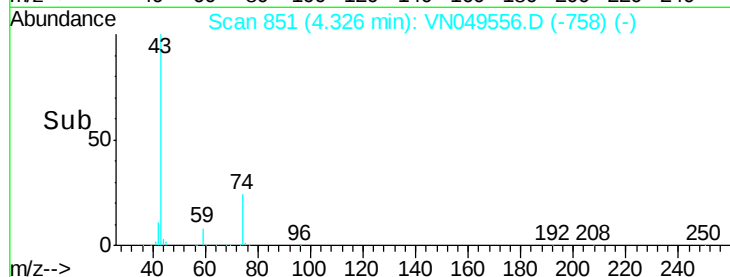
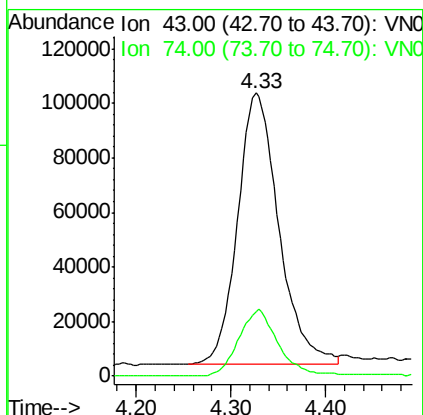
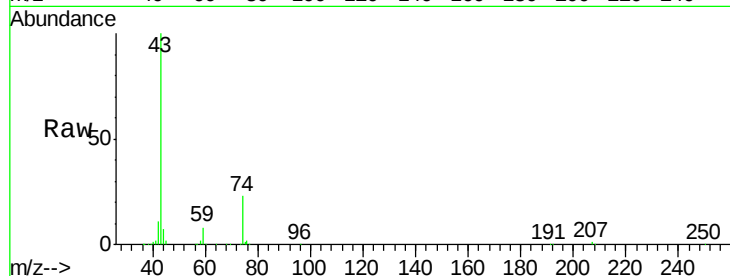




#18
Methvl Acetate
Concen: 23.06 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049556.D
Acq: 26 Jun 2018 16:48

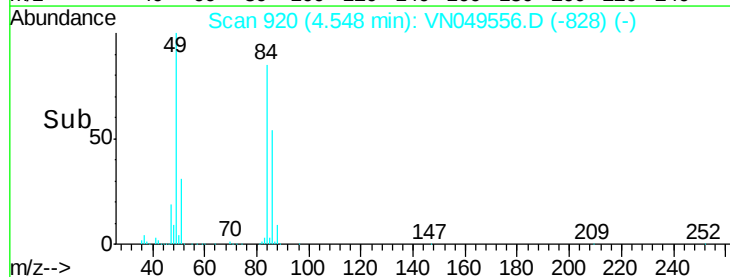
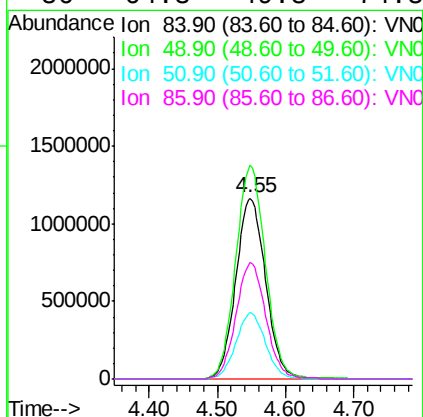
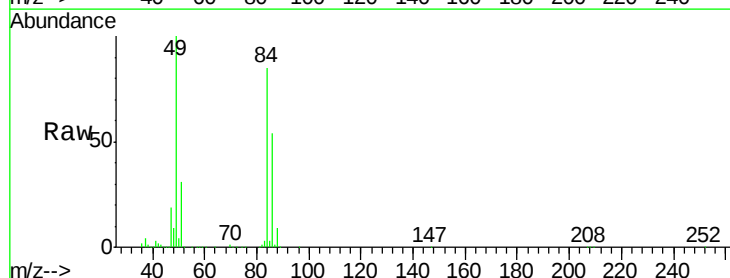
Instrument :
MSVOA_N
ClientSampled :

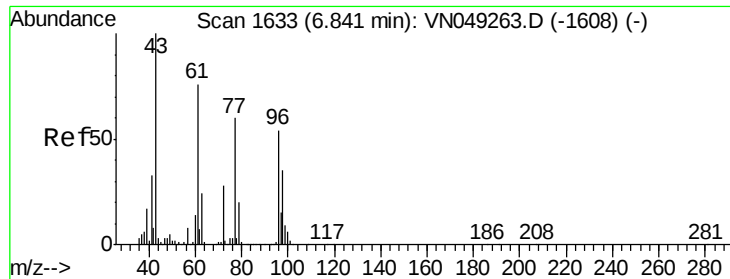
Tot Ion: 43 Resp: 299779
Ion Ratio Lower Upper
43 100
74 23.3 17.4 26.0



#20
Methylene Chloride
Concen: 199.25 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049556.D
Acq: 26 Jun 2018 16:48

Tgt Ion: 84 Resp: 3547763
Ion Ratio Lower Upper
84 100
49 118.0 106.9 160.3
51 36.6 32.7 49.1
86 64.3 49.8 74.8

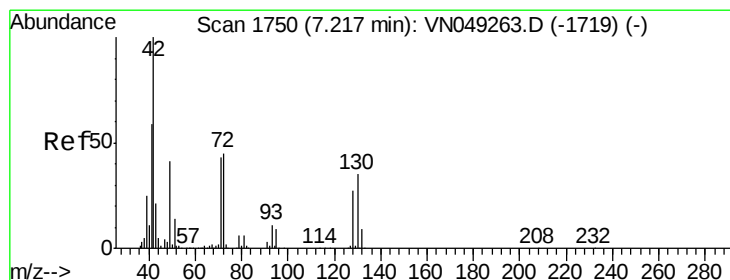
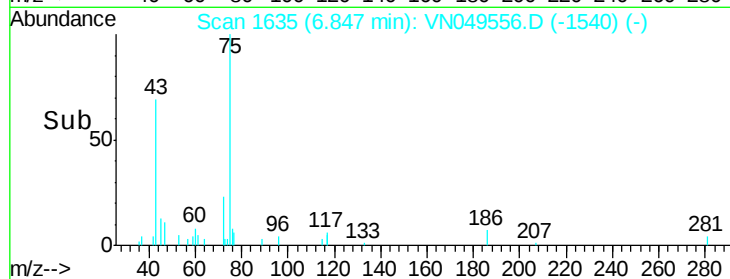
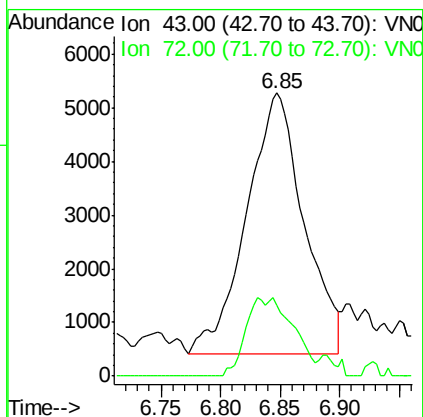
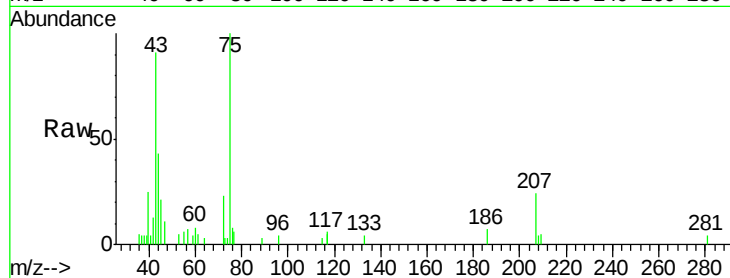




#25
2-Butanone
Concen: 2.82 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049556.D
Acq: 26 Jun 2018 16:48

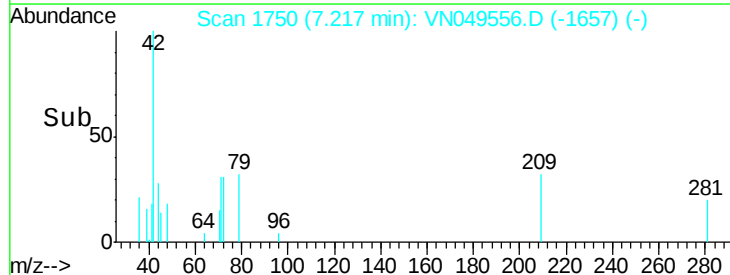
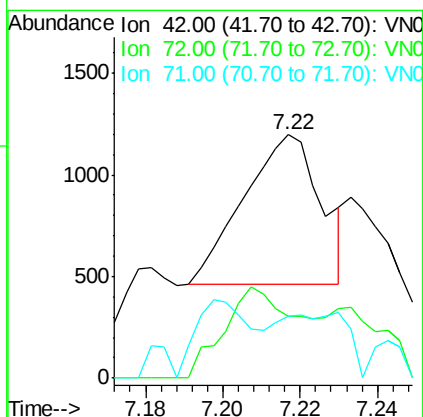
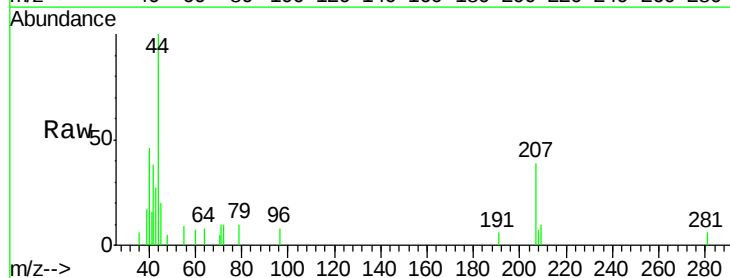
Instrument :
MSVOA_N
ClientSampled :

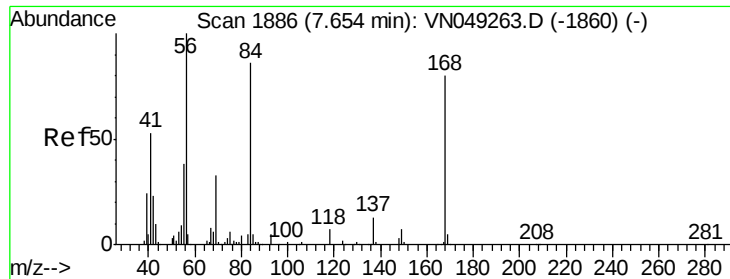
Tot Ion: 43 Resp: 16158
Ion Ratio Lower Upper
43 100
72 27.3 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.28 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049556.D
Acq: 26 Jun 2018 16:48

Tgt Ion: 42 Resp: 1025
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 38.5 30.5 45.7

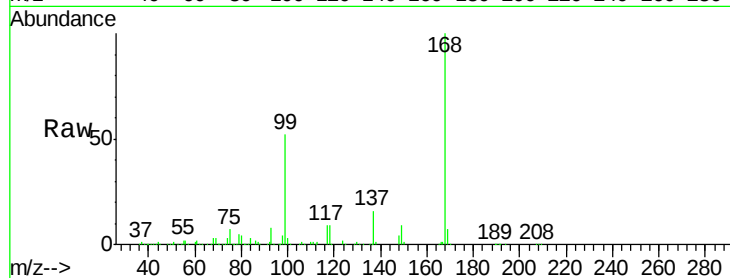




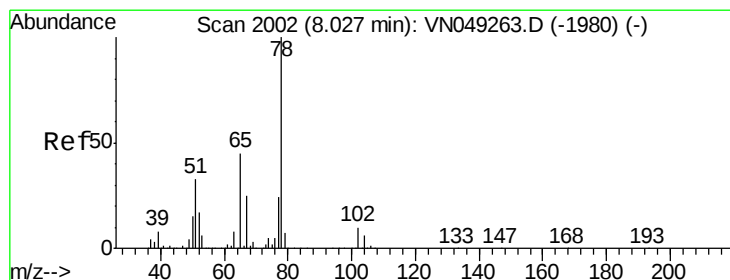
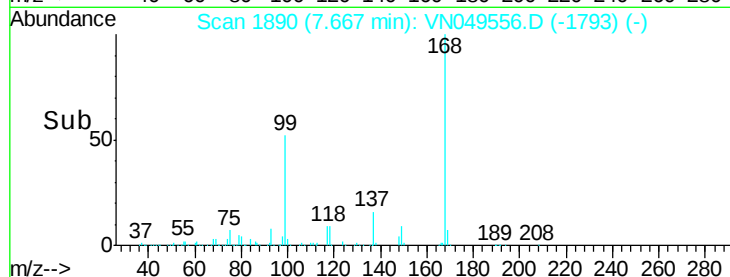
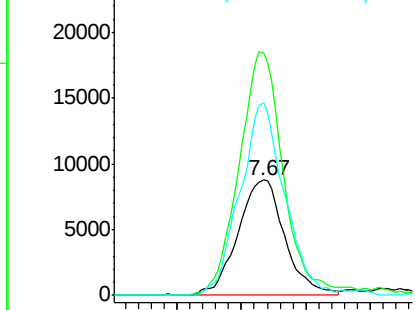
#31
Cyclohexane
Concen: 0.68 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049556.D
Acq: 26 Jun 2018 16:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 22293
Ion Ratio Lower Upper
56 100
69 210.9 25.0 37.4#
84 167.6 64.6 96.8#

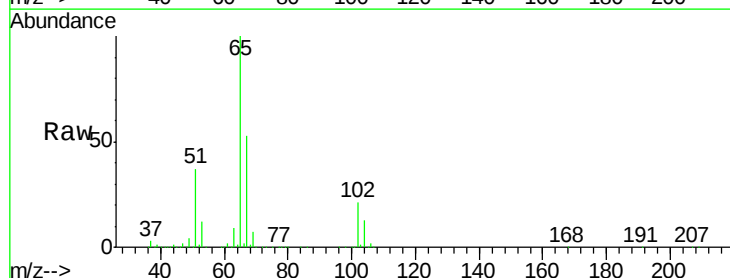


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

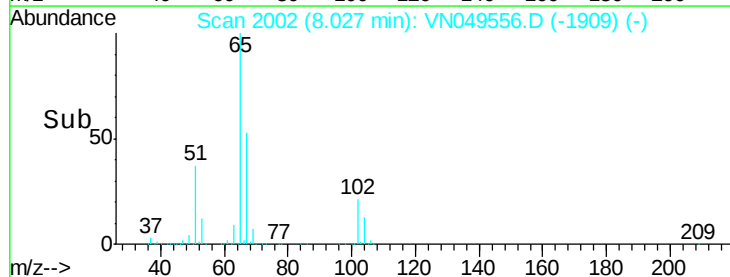
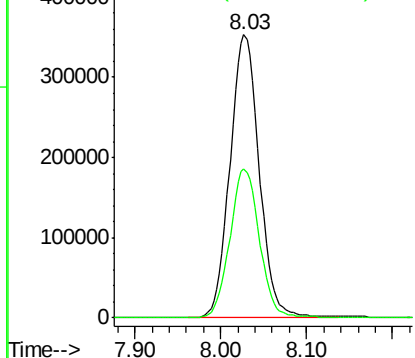


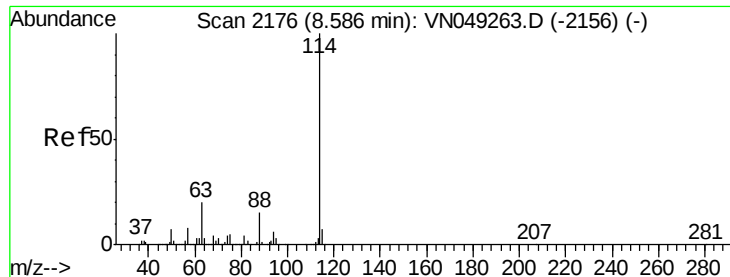
#33
1,2-Dichloroethane-d4
Concen: 47.53 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049556.D
Acq: 26 Jun 2018 16:48

Tgt Ion: 65 Resp: 834534
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

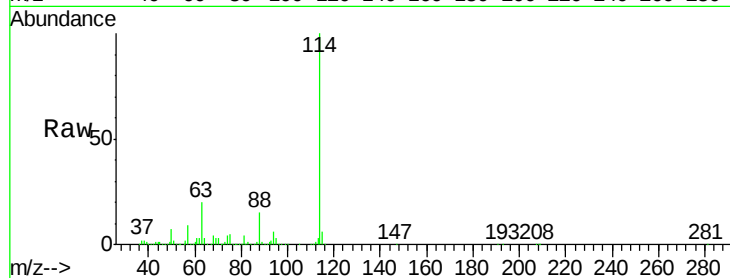
Tot Ion:114 Resp: 2065911

Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.4

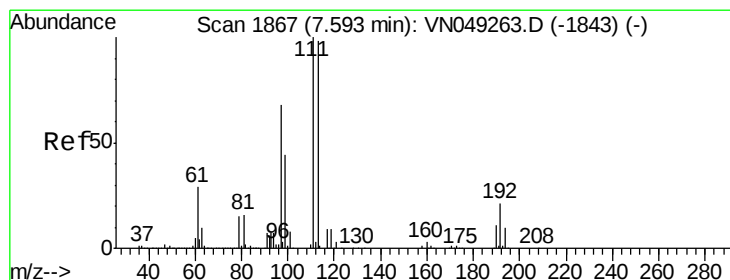
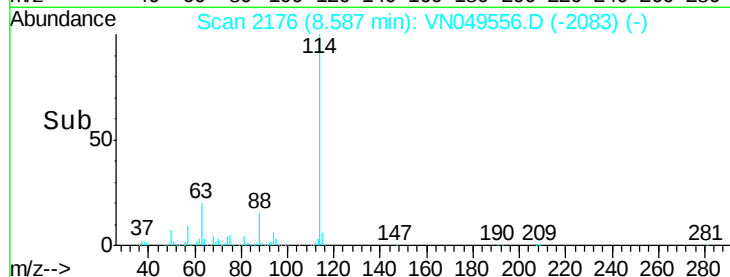
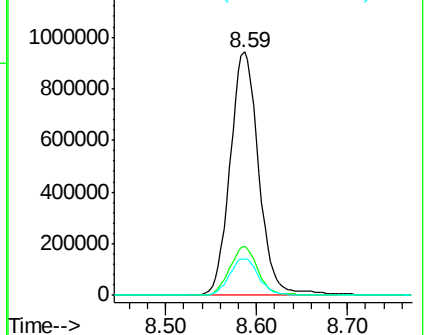
88 15.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 44.87 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

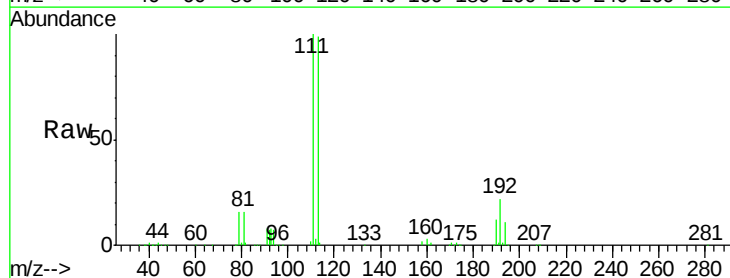
Tgt Ion:113 Resp: 749946

Ion Ratio Lower Upper

113 100

111 101.4 82.4 123.6

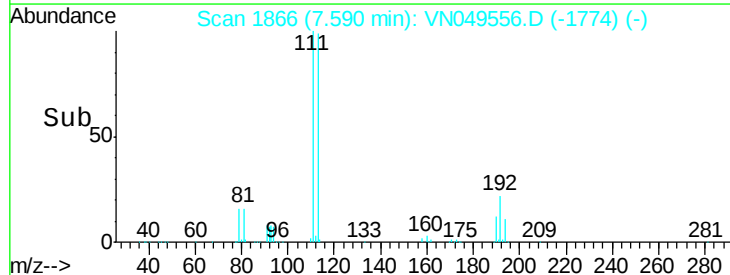
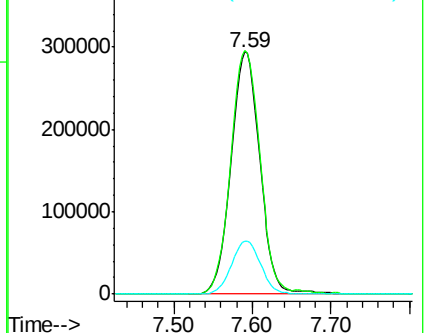
192 22.2 15.0 22.6

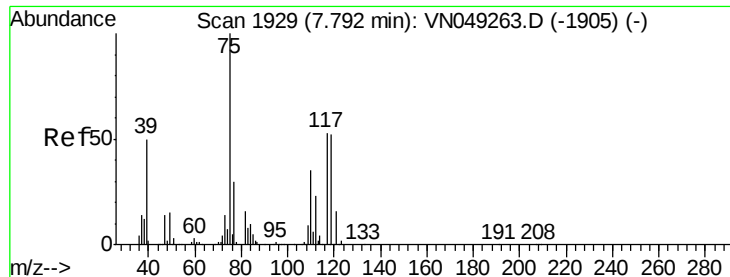


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.69 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

ClientSampled :

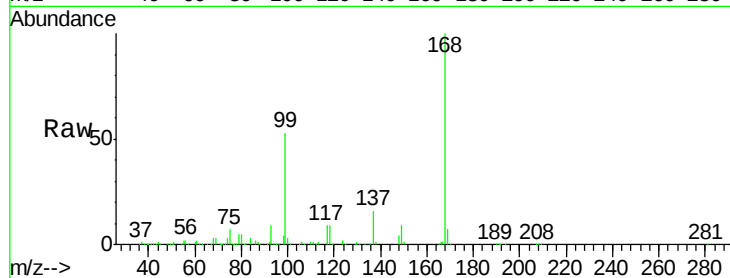
Tot Ion: 75 Resp: 87443

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.5 24.4 36.6#

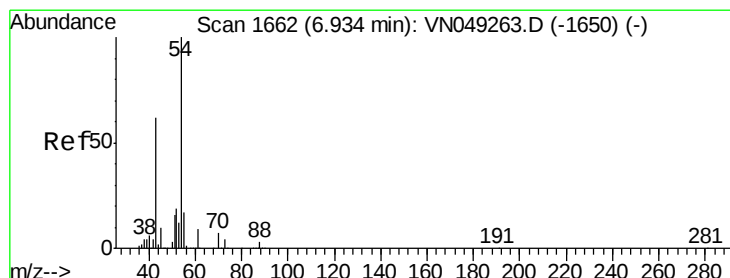
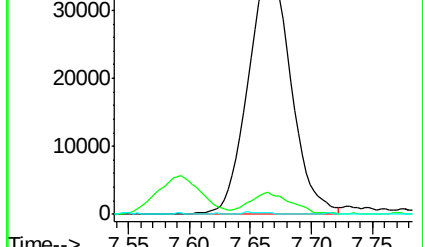
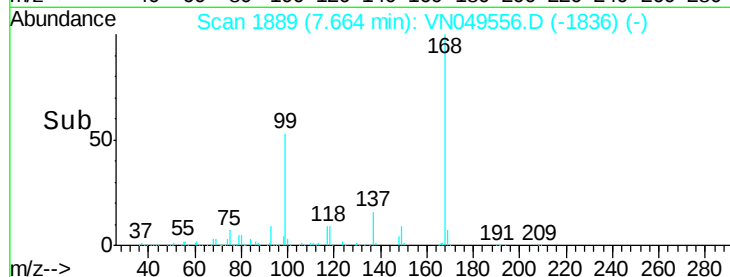


Abundance Ion 74.90 (74.60 to 75.60): VN049556.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049556.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049556.D (-1836) (-)

Time-->



#37

Ethyl Acetate

Concen: 1.26 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. -0.09 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

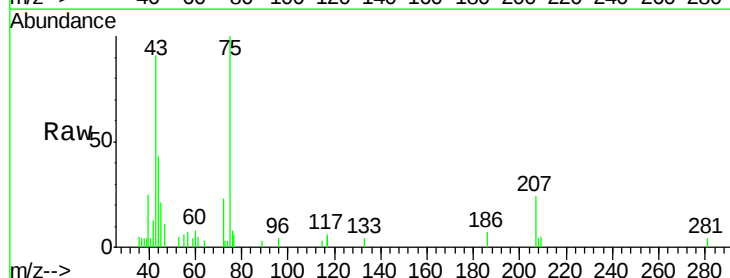
Tgt Ion: 43 Resp: 16158

Ion Ratio Lower Upper

43 100

61 7.8 11.0 16.4#

70 0.6 7.2 10.8#

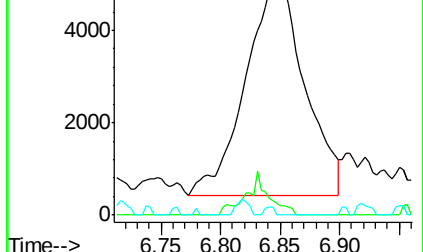
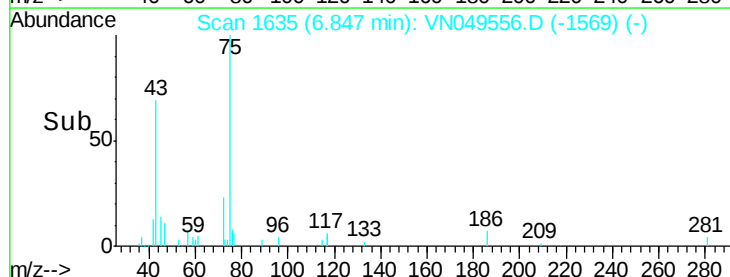


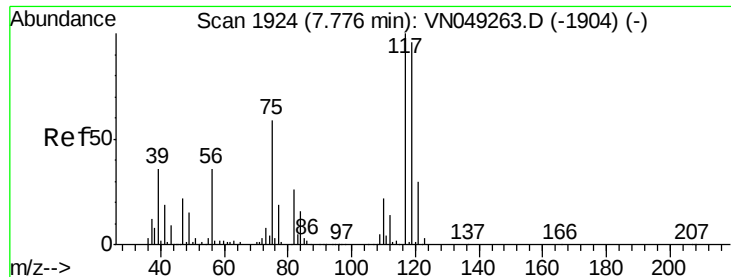
Abundance Ion 43.00 (42.70 to 43.70): VN049556.D (-1569) (-)

Ion 60.90 (60.60 to 61.60): VN049556.D (-1569) (-)

Ion 70.00 (69.70 to 70.70): VN049556.D (-1569) (-)

Time-->

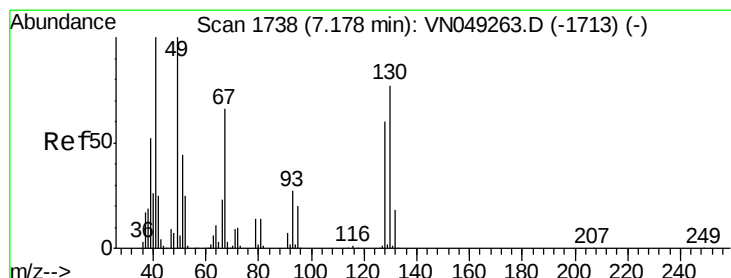
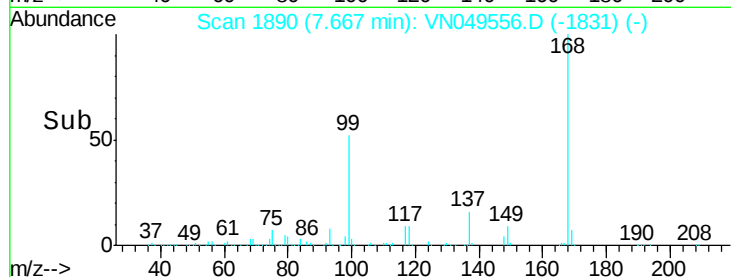
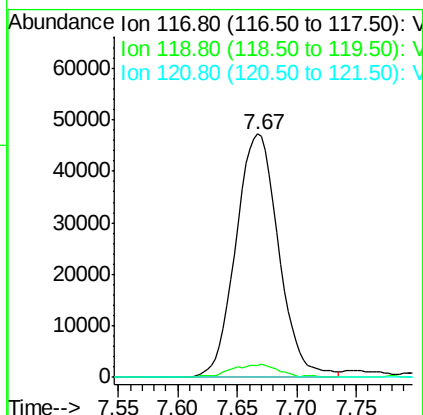
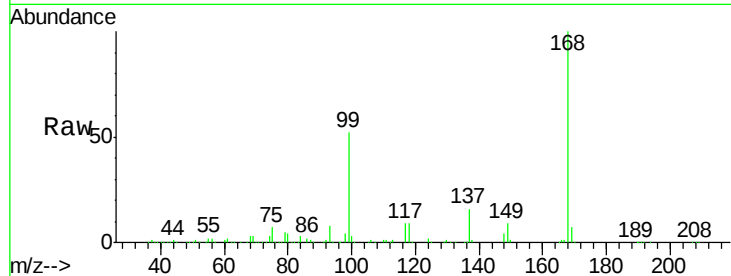




#38
Carbon Tetrachloride
Concen: 4.80 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049556.D
Acq: 26 Jun 2018 16:48

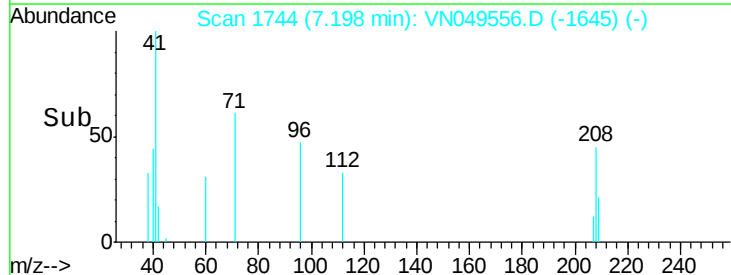
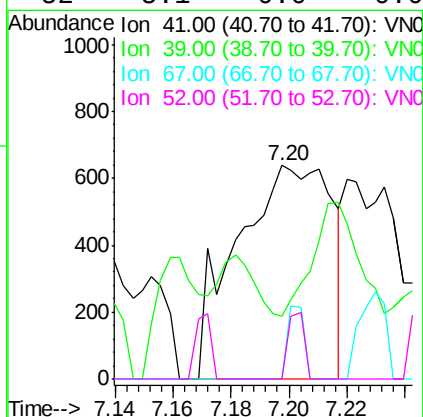
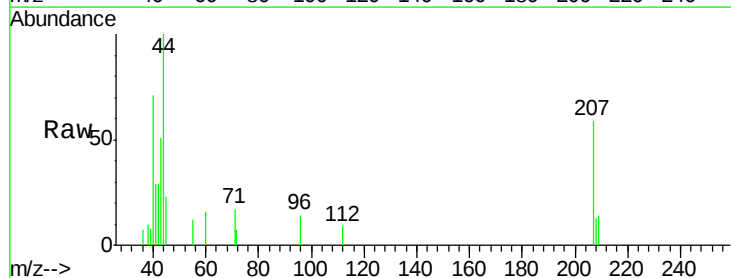
Instrument :
MSVOA_N
ClientSampleId :

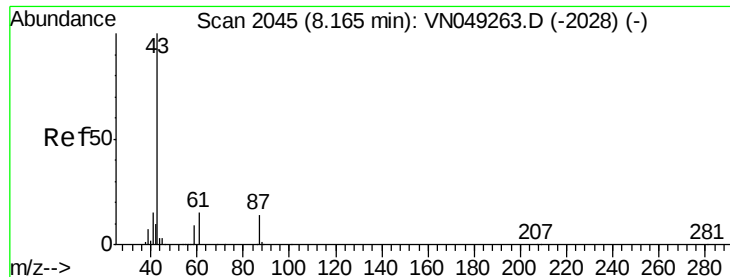
Tot Ion:117 Resp: 117773
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 0.21 ug/l
RT: 7.20 min Scan# 1744
Delta R.T. 0.02 min
Lab File: VN049556.D
Acq: 26 Jun 2018 16:48

Tgt Ion: 41 Resp: 1454
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 5.8 0.0 0.0#
52 5.1 0.0 0.0#





#43

Isopropyl Acetate

Concen: 12.27 ug/l

RT: 8.19 min Scan# 2053

Delta R.T. 0.03 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

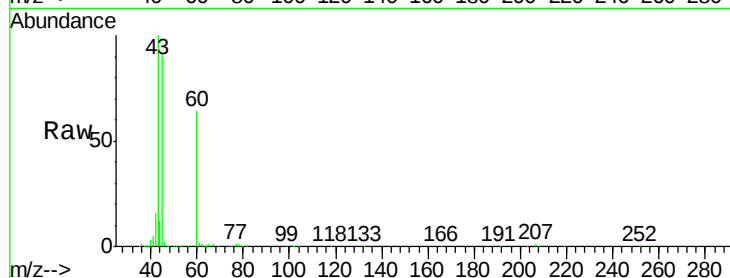
Tot Ion: 43 Resp: 301819

Ion Ratio Lower Upper

43 100

61 1.6 14.2 21.4#

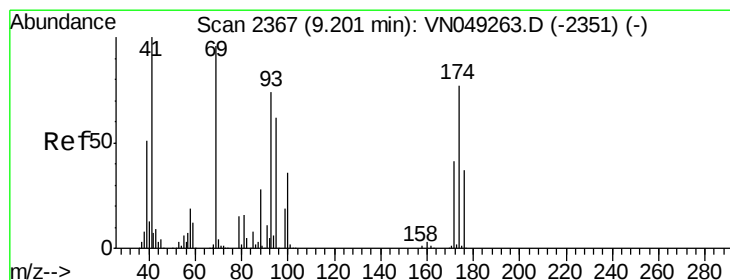
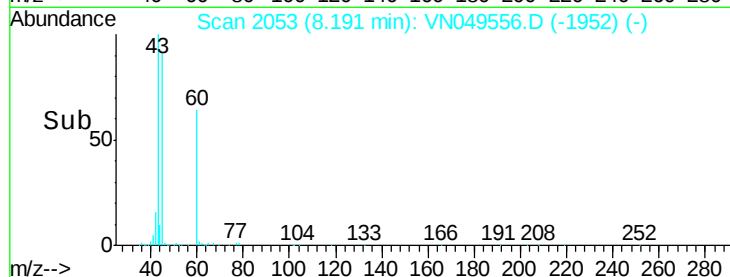
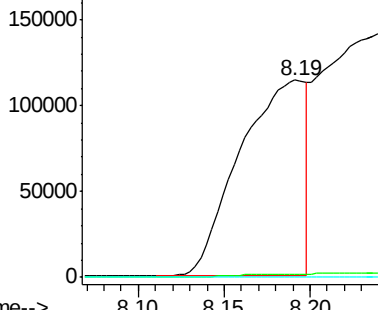
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#49

1,4-Dioxane

Concen: 1.34 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

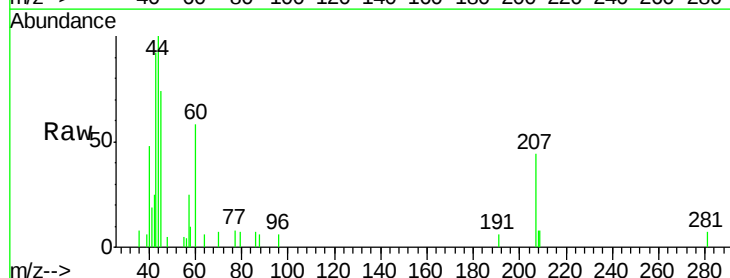
Tgt Ion: 88 Resp: 214

Ion Ratio Lower Upper

88 100

43 665.4 30.9 46.3#

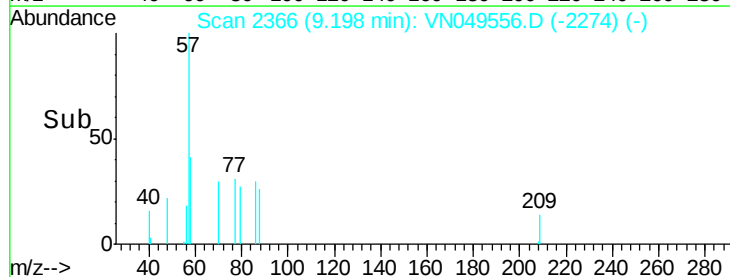
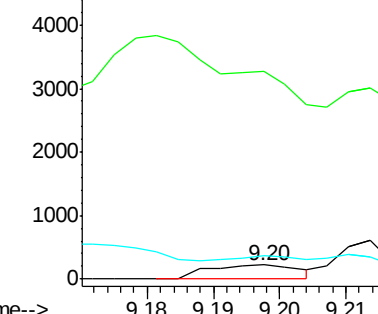
58 0.0 58.9 88.3#

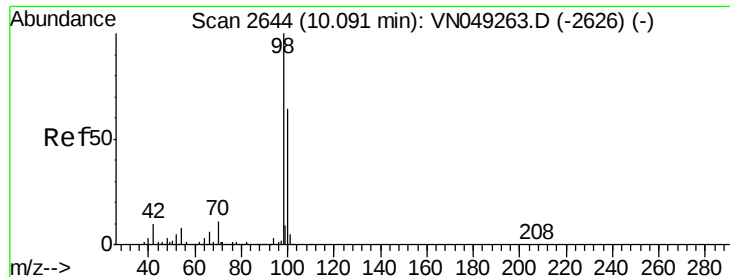


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 43.62 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

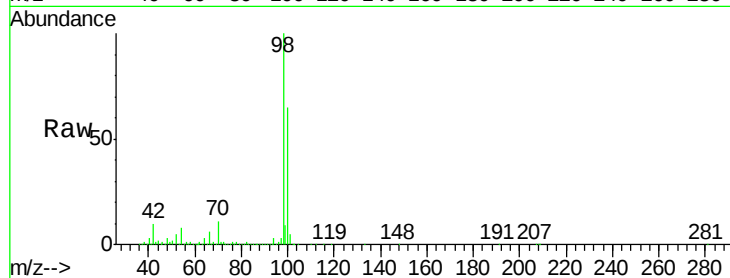
ClientSampled :

Tot Ion: 98 Resp: 2775885

Ion Ratio Lower Upper

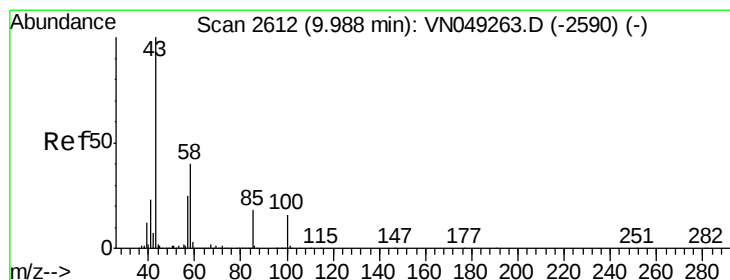
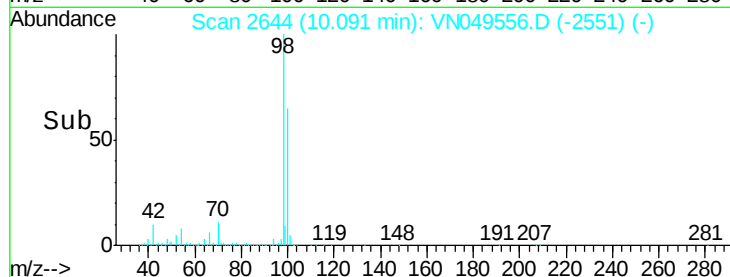
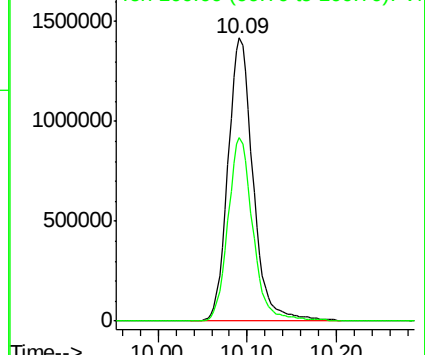
98 100

100 64.5 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.55 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: VN049556.D

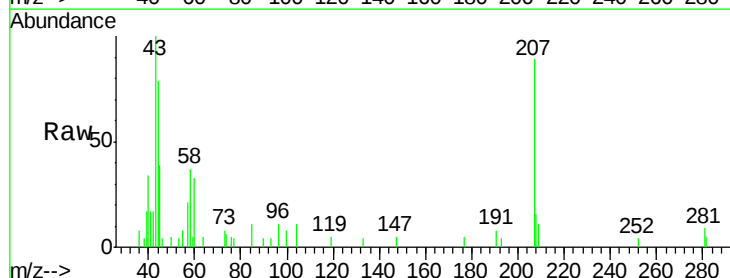
Acq: 26 Jun 2018 16:48

Tgt Ion: 43 Resp: 7137

Ion Ratio Lower Upper

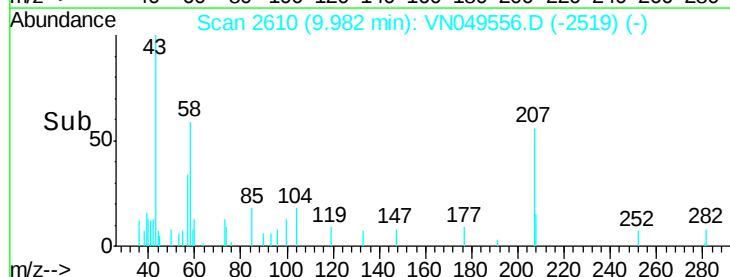
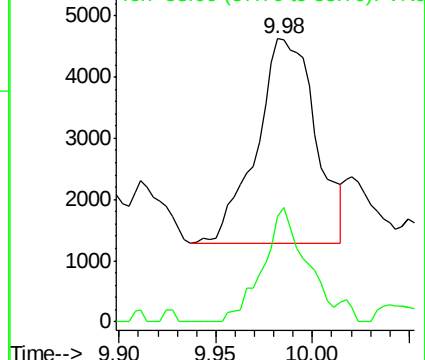
43 100

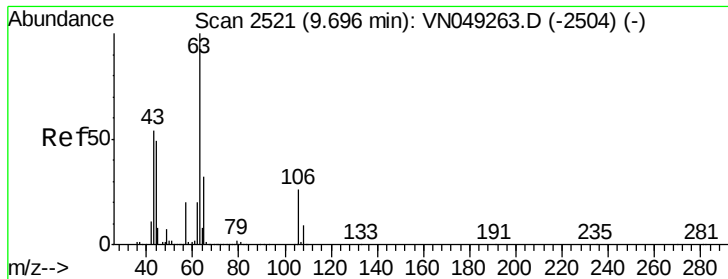
58 40.2 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 14.34 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

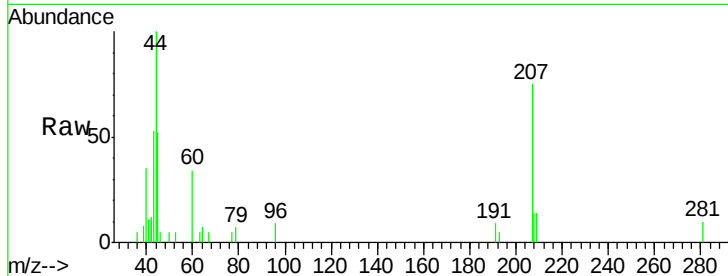
ClientSampled :

Tot Ion: 63 Resp: 128

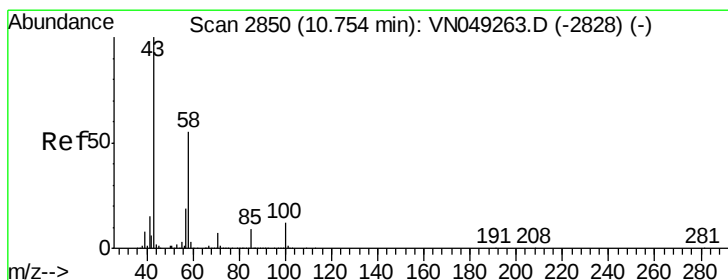
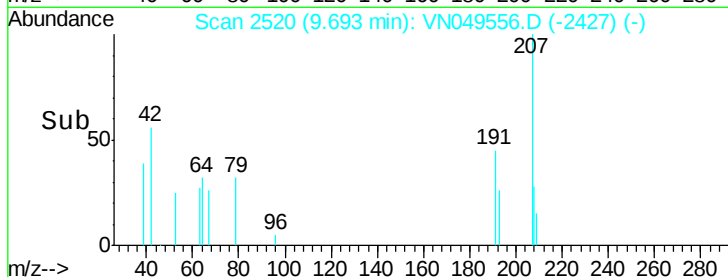
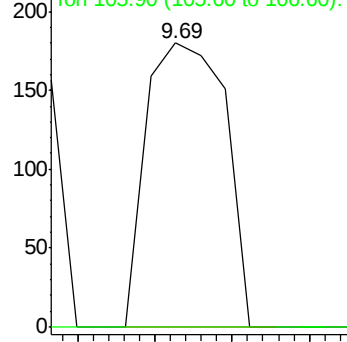
Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049556.D (-2427) (-)



#59

2-Hexanone

Concen: 0.42 ug/l

RT: 10.75 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VN049556.D

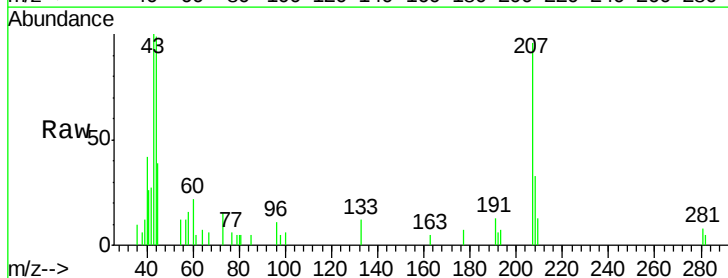
Acq: 26 Jun 2018 16:48

Tgt Ion: 43 Resp: 3464

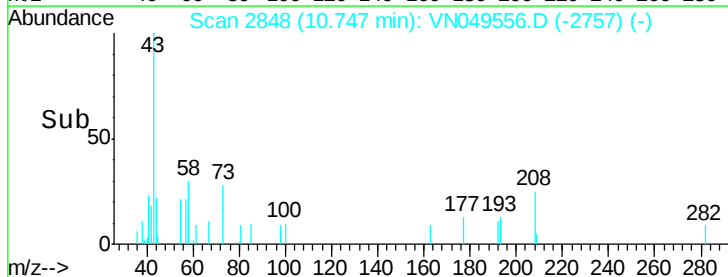
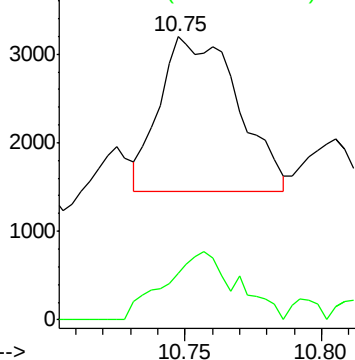
Ion Ratio Lower Upper

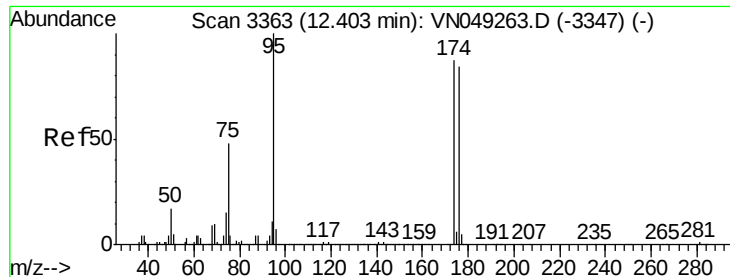
43 100

58 40.1 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN049556.D (-2757) (-)





#62

4-Bromofluorobenzene

Concen: 39.94 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

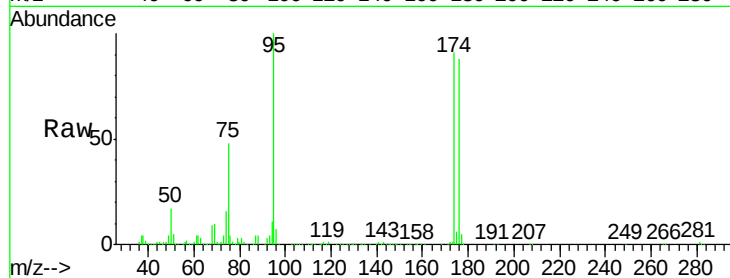
Tot Ion: 95 Resp: 840508

Ion Ratio Lower Upper

95 100

174 90.6 0.0 165.6

176 87.4 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

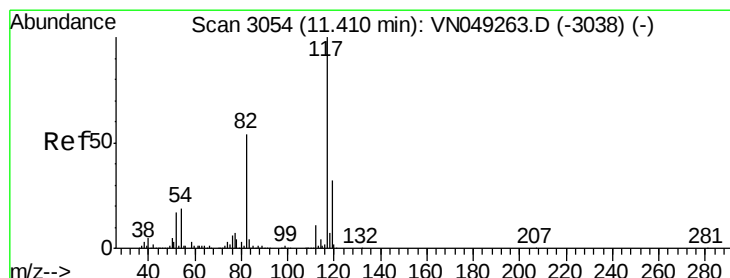
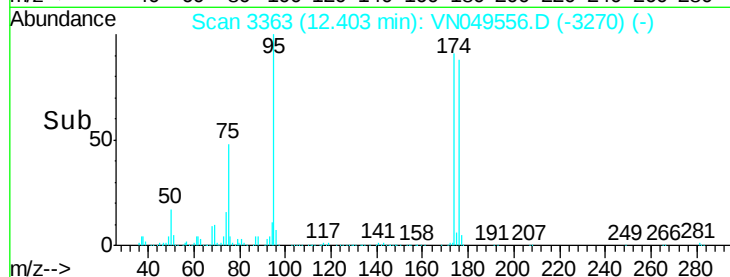
12.40

400000

200000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

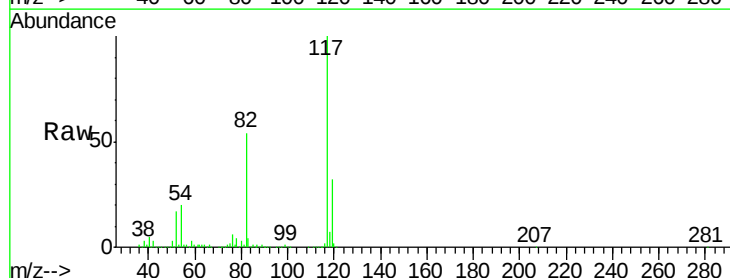
Tgt Ion: 117 Resp: 1724706

Ion Ratio Lower Upper

117 100

82 54.0 45.9 68.9

119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.41

1200000

1000000

800000

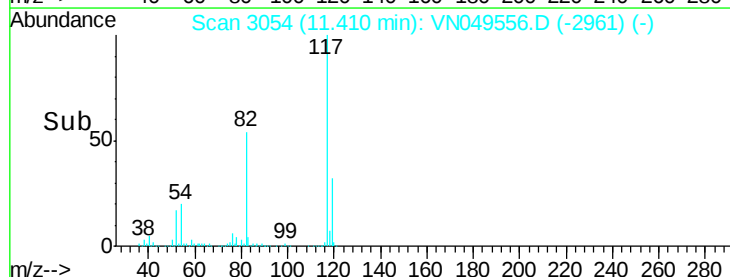
600000

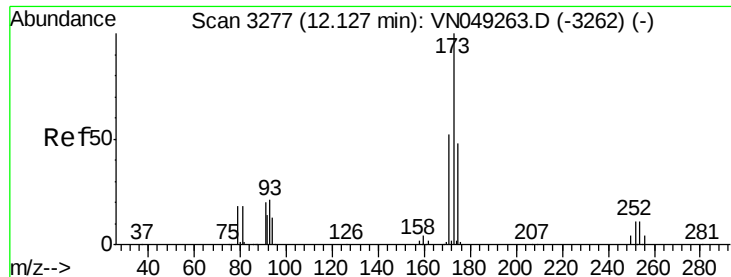
400000

200000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.32 ug/l

RT: 12.40 min Scan# 3361

Delta R.T. 0.27 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

ClientSampled :

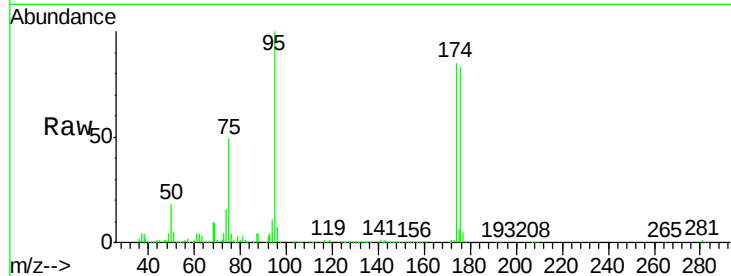
Tot Ion:173 Resp: 3493

Ion Ratio Lower Upper

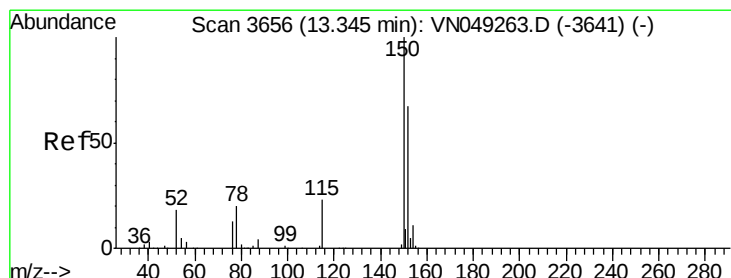
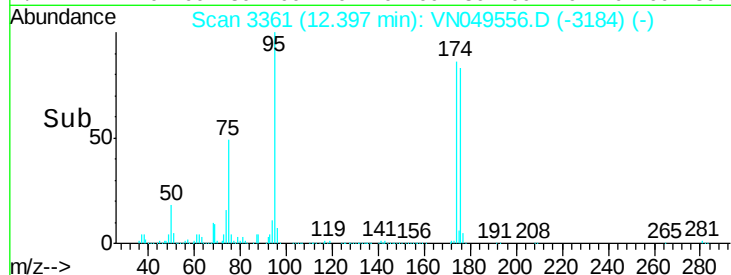
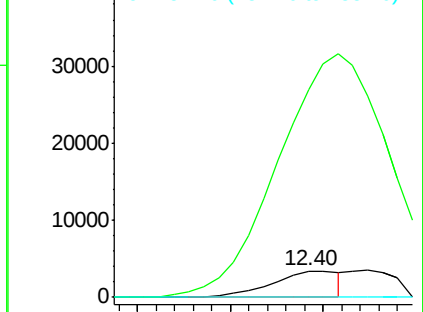
173 100

175 1307.3 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# 3656

Delta R.T. 0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

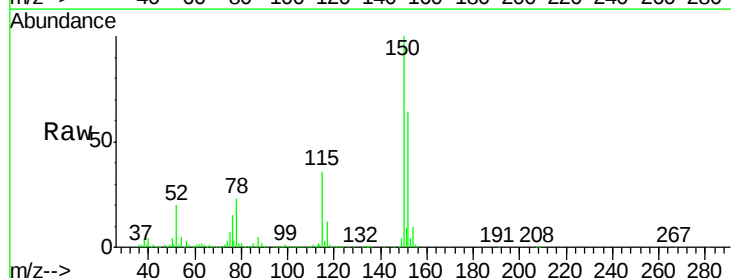
Tgt Ion:152 Resp: 728431

Ion Ratio Lower Upper

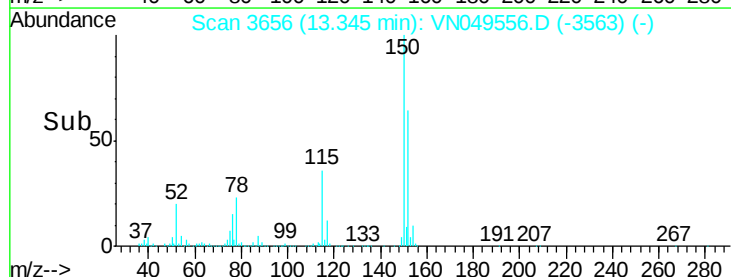
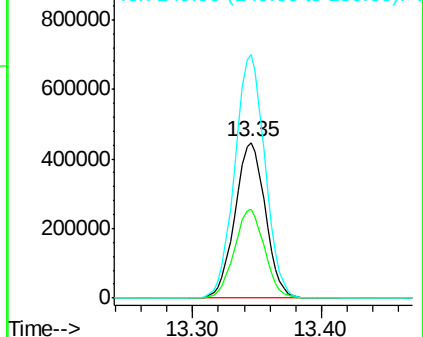
152 100

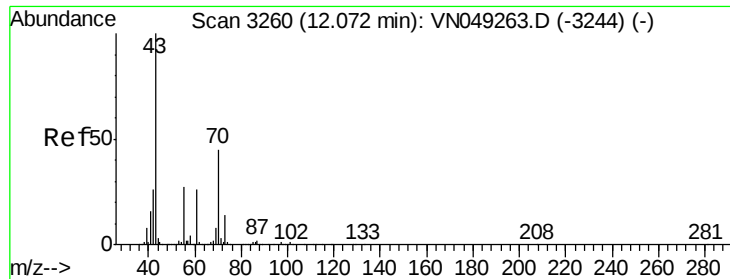
115 56.7 28.7 86.1

150 155.9 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

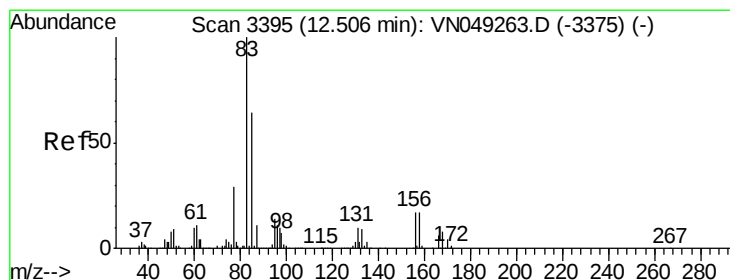
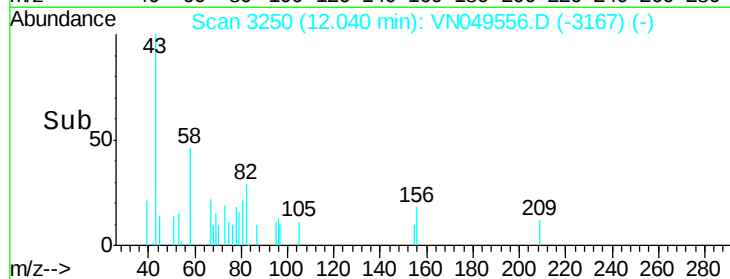
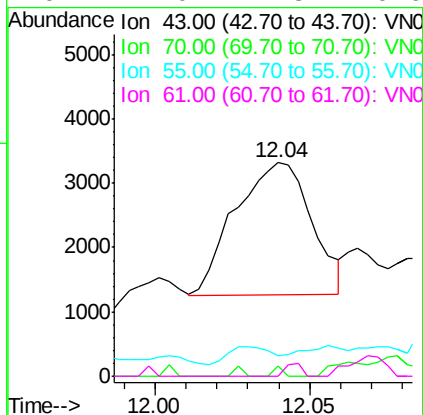
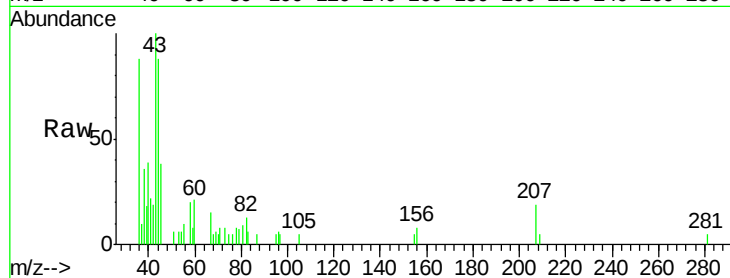




#74
N-amvl acetate
Concen: 0.22 ug/l
RT: 12.04 min Scan# 3250
Delta R.T. -0.03 min
Lab File: VN049556.D
Acq: 26 Jun 2018 16:48

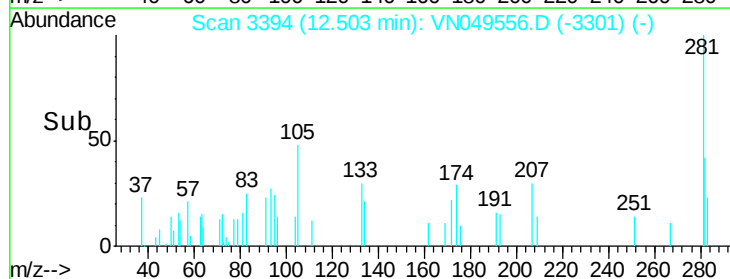
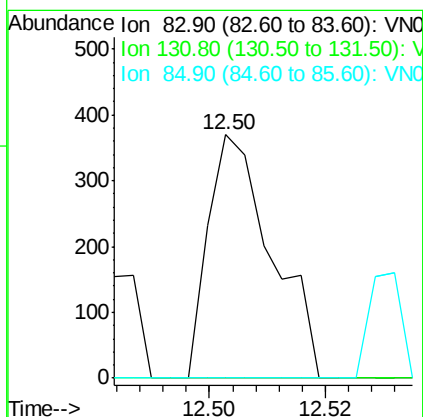
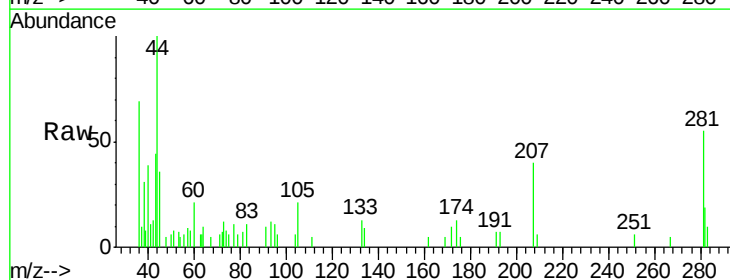
Instrument :
MSVOA_N
ClientSampled :

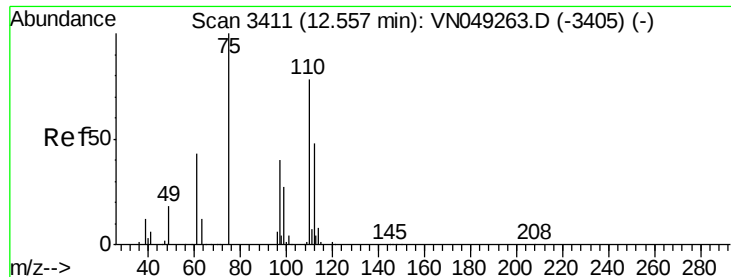
Tot Ion:	43	Resp:	3519
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.3	45.5#
55	7.6	19.4	29.2#
61	2.0	17.8	26.6#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.50 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VN049556.D
Acq: 26 Jun 2018 16:48

Tgt Ion:	83	Resp:	280
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	32.0	96.0#





#76

1,2,3-Trichloropropane

Concen: 32.61 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

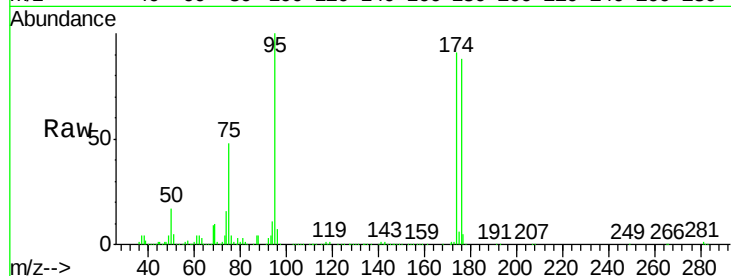
ClientSampled :

Tot Ion: 75 Resp: 405246

Ion Ratio Lower Upper

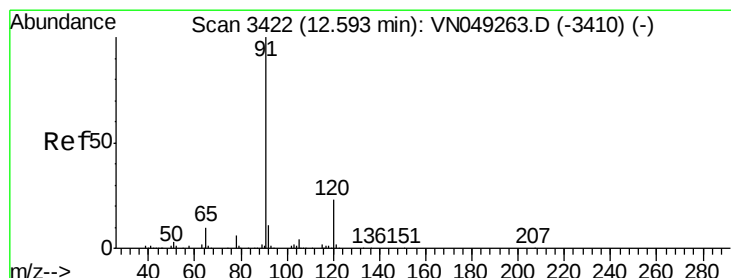
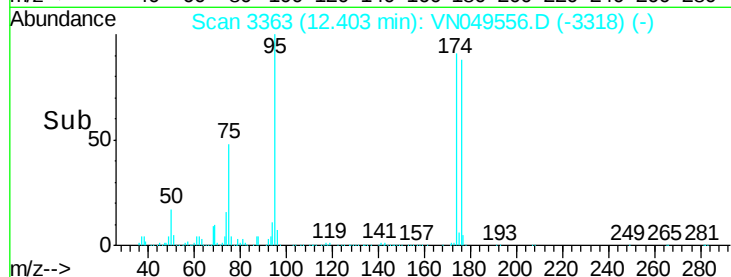
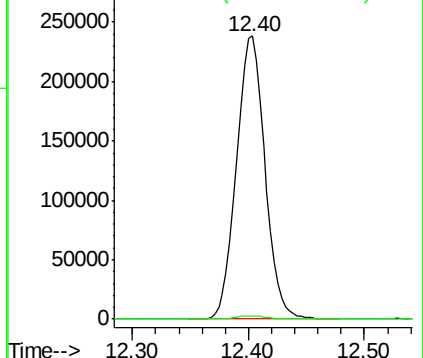
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.29 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049556.D

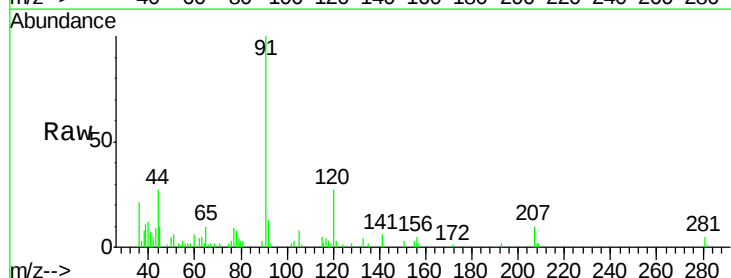
Acq: 26 Jun 2018 16:48

Tgt Ion: 91 Resp: 20348

Ion Ratio Lower Upper

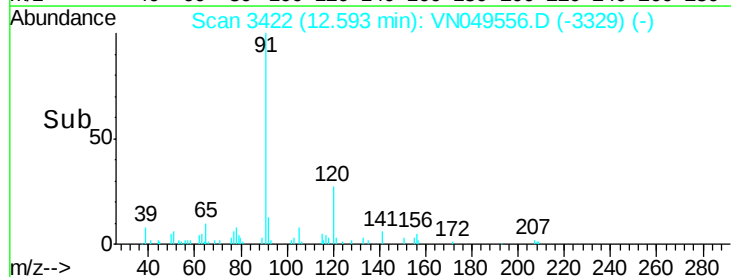
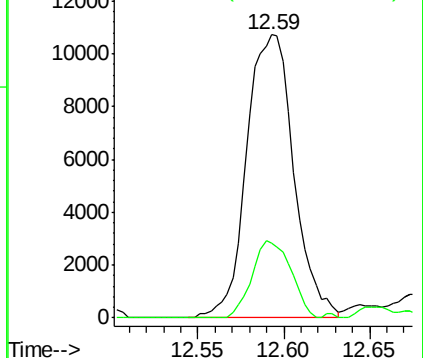
91 100

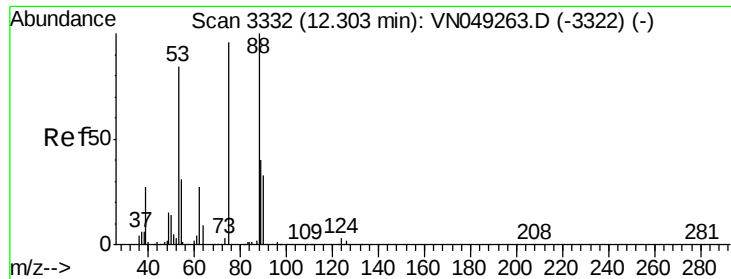
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 103.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

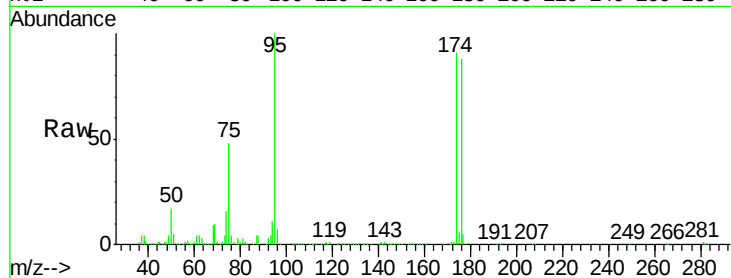
Tot Ion: 75 Resp: 405246

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

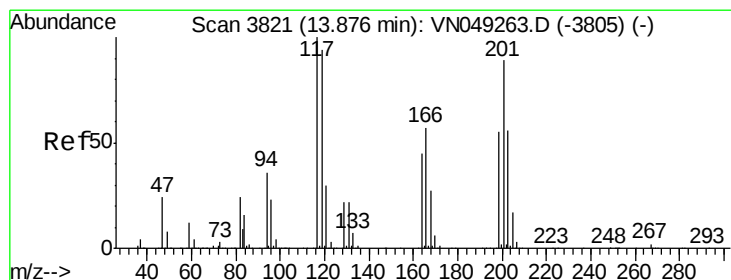
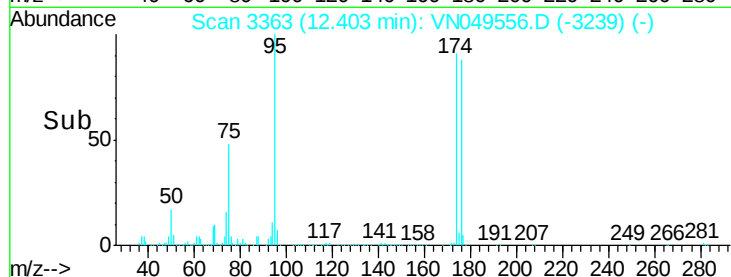
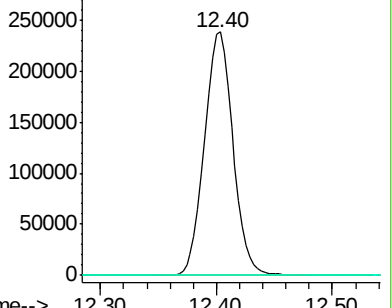
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049556.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049556.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049556.D (-3363) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049556.D

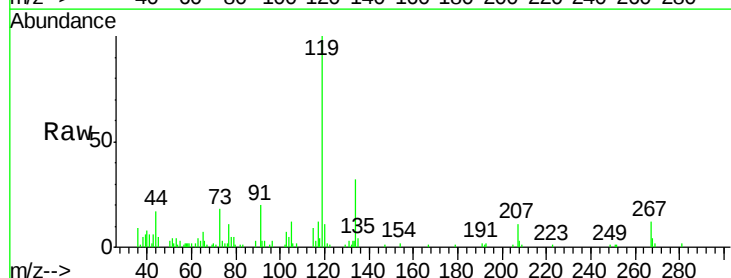
Acq: 26 Jun 2018 16:48

Tgt Ion: 117 Resp: 4274

Ion Ratio Lower Upper

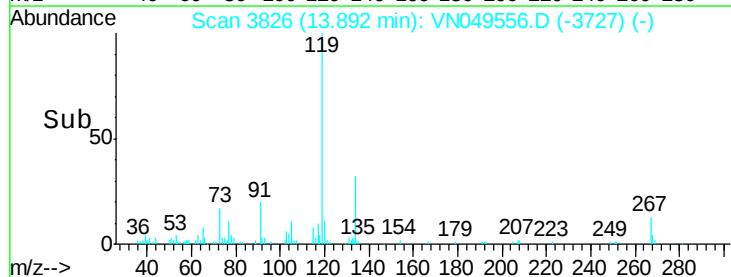
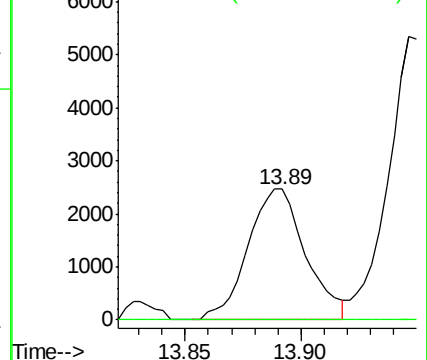
117 100

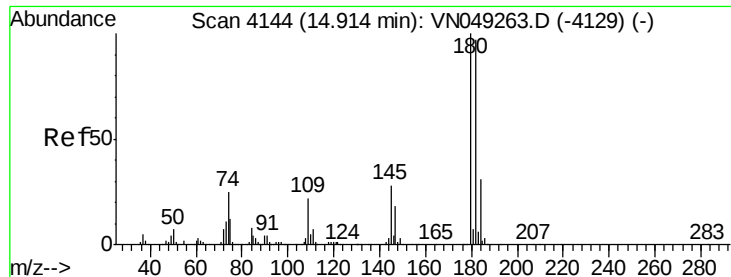
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049556.D (-3821) (-)

Ion 200.70 (200.40 to 201.40): VN049556.D (-3821) (-)

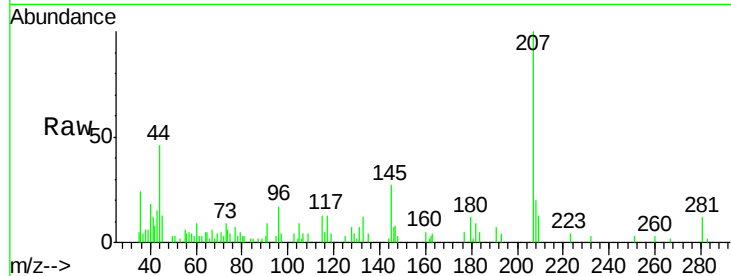




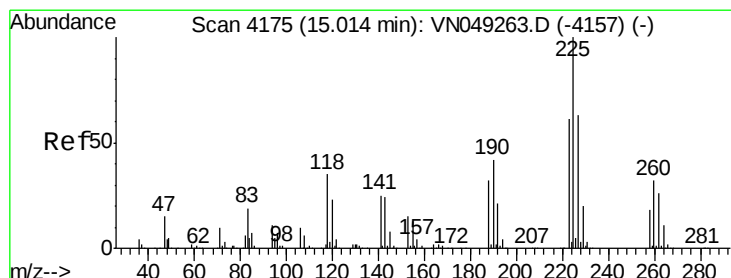
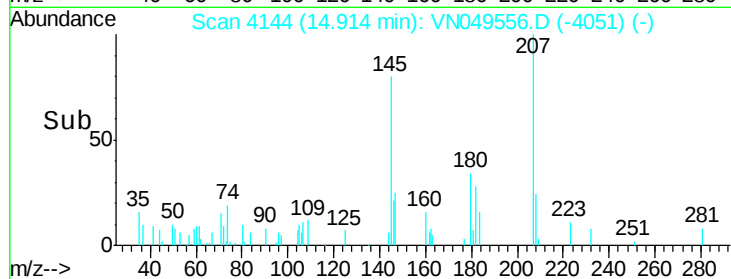
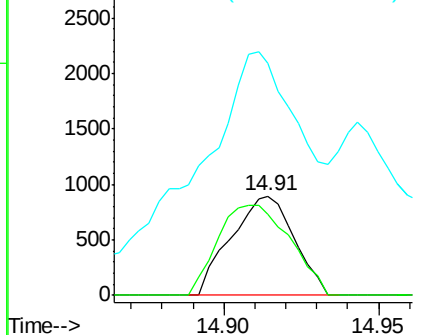
#93
 1,2,4-Trichlorobenzene
 Concen: 4.83 ua/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049556.D
 Acq: 26 Jun 2018 16:48

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1268
 Ion Ratio Lower Upper
 180 100
 182 104.4 46.9 140.8
 145 304.9 14.7 44.1#

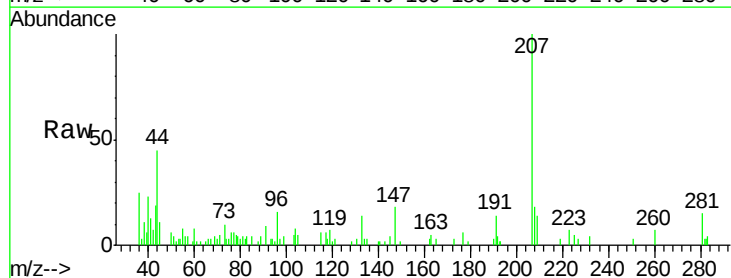


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

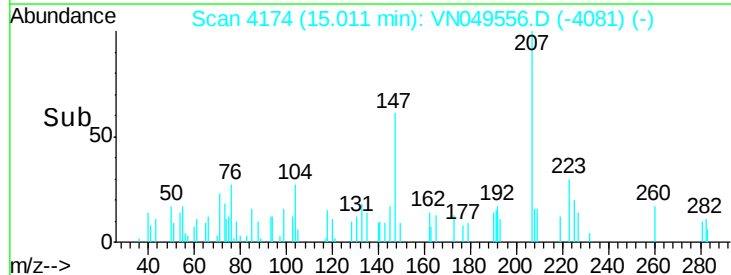
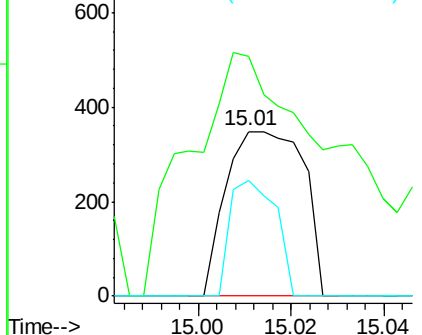


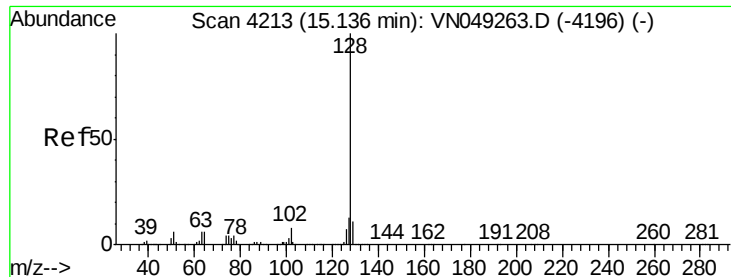
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049556.D
 Acq: 26 Jun 2018 16:48

Tgt Ion:225 Resp: 403
 Ion Ratio Lower Upper
 225 100
 223 274.2 32.1 96.3#
 227 41.7 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.94 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

Instrument :

MSVOA_N

ClientSampleId :

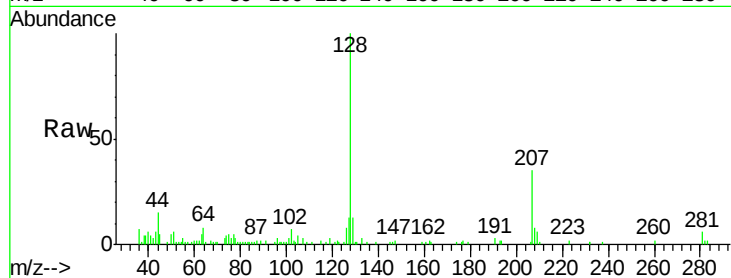
Tot Ion:128 Resp: 37633

Ion Ratio Lower Upper

128 100

127 14.4 10.6 16.0

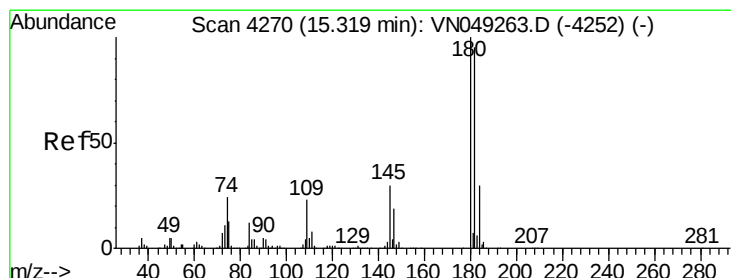
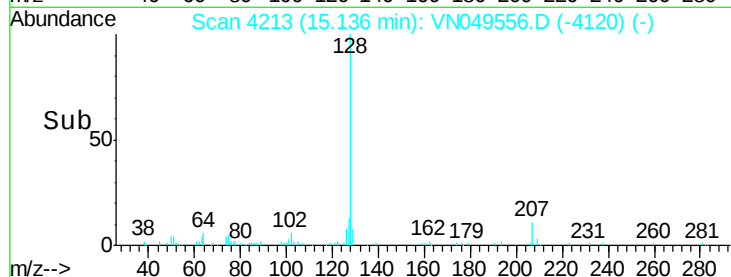
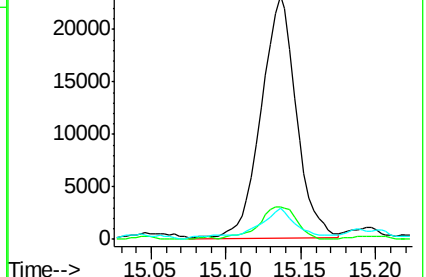
129 9.3 8.5 12.7



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: 3.56 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049556.D

Acq: 26 Jun 2018 16:48

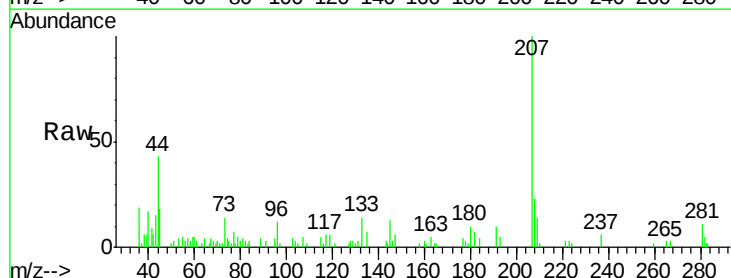
Tgt Ion:180 Resp: 1383

Ion Ratio Lower Upper

180 100

182 94.9 47.3 141.8

145 69.8 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

