

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049614.D
 Acq On : 29 Jun 2018 2:34
 Operator : MD\SY
 Sample : J3242-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 04:21:46 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	1115329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1740474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1464682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	642562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	723428	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	7.59	113	636404	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
50) Toluene-d8	10.09	98	2357033	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	
62) 4-Bromofluorobenzene	12.40	95	712967	40.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.44%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.41	74	8549	1.11	ug/l	88
11) Tert butyl alcohol	4.80	59	420	0.48	ug/l #	70
13) Acrolein	3.61	56	2047	2.25	ug/l #	44
14) Allyl chloride	4.55	41	66555	3.30	ug/l #	20
16) Acetone	3.82	43	68012	18.94	ug/l #	86
18) Methyl Acetate	4.33	43	145313	13.27	ug/l	94
20) Methylene Chloride	4.55	84	1954095	130.26	ug/l	90
25) 2-Butanone	6.85	43	8934	1.85	ug/l #	90
29) Tetrahydrofuran	7.21	42	756	0.24	ug/l #	58
30) Chloroform	7.37	83	10171	0.40	ug/l	95
31) Cyclohexane	7.67	56	21369	0.80	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	74352	3.73	ug/l #	51
37) Ethyl Acetate	6.85	43	8934	0.82	ug/l #	77
38) Carbon Tetrachloride	7.67	117	97472	4.72	ug/l #	17
43) Isopropyl Acetate	8.30	43	412836	19.92	ug/l #	64
44) Trichloroethene	8.84	130	3830	0.24	ug/l	92
47) Bromodichloromethane	9.41	83	4419	0.22	ug/l	92
49) 1,4-Dioxane	9.19	88	30	0.22	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	6464	0.60	ug/l	93
52) Toluene	10.16	92	45624	1.27	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.69	63	131	14.35	ug/l #	51
64) Tetrachloroethene	10.63	164	3514	0.23	ug/l	92
65) Chlorobenzene	11.44	112	10606	0.28	ug/l	93
67) Ethyl Benzene	11.51	91	87284	1.39	ug/l	99
68) m/p-Xylenes	11.62	106	74672	3.18	ug/l	96
69) o-Xylene	11.95	106	32039	1.42	ug/l	95
70) Styrene	11.97	104	34602	0.97	ug/l	97
71) Bromoform	12.40	173	4701	0.51	ug/l #	1
73) Isopropylbenzene	12.25	105	16365	0.29	ug/l	95
74) N-amyl acetate	12.04	43	3994	0.29	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.49	83	32	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	348888	31.82	ug/l #	100
77) Bromobenzene	12.56	156	18050	1.21	ug/l #	1
78) n-propylbenzene	12.59	91	34315	0.55	ug/l	97

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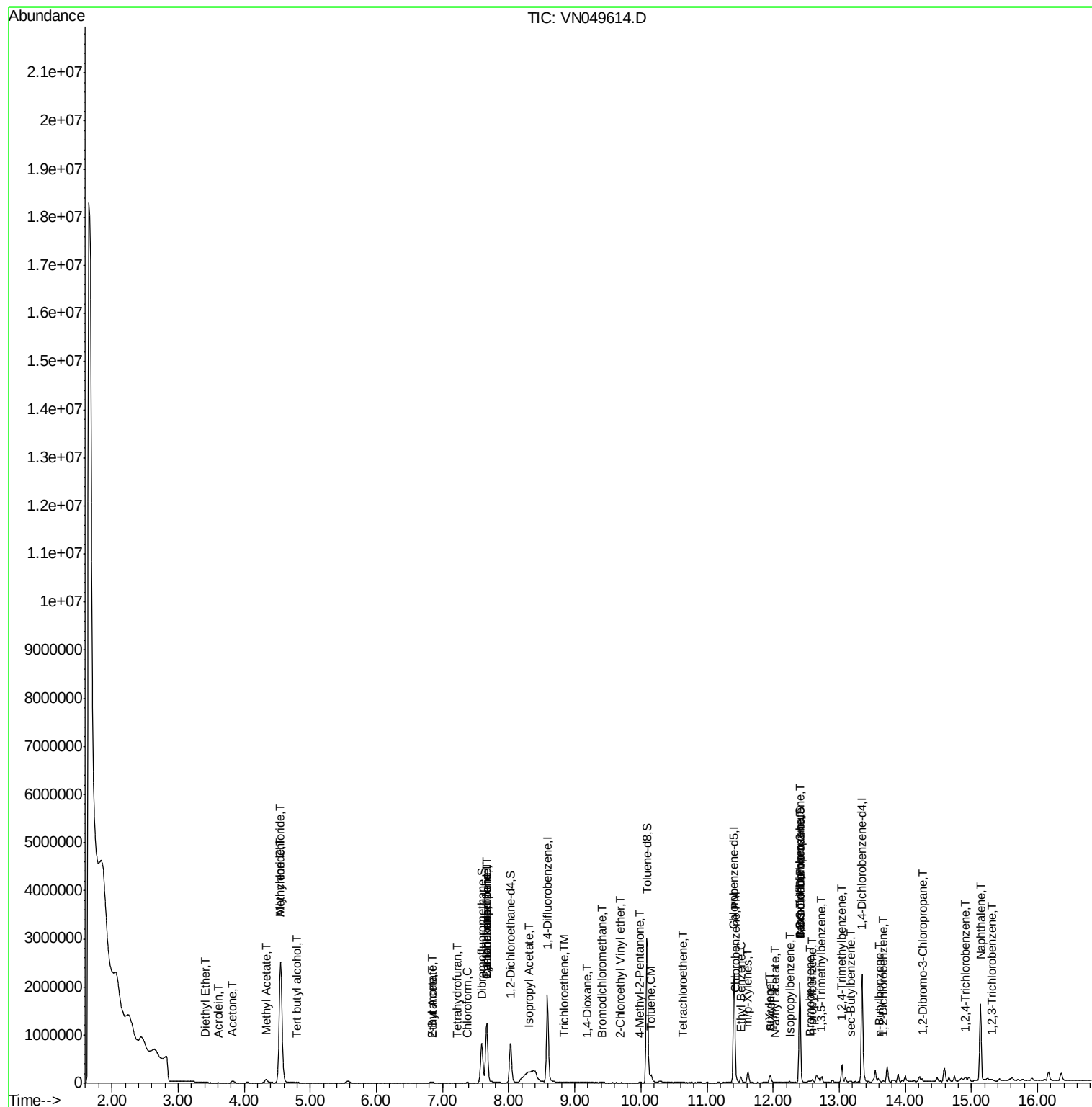
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	56653	1.28	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	348888	100.57	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.04	105	214008	4.86	ug/l	99
85) sec-Butylbenzene	13.17	105	15188	0.29	ug/l	79
89) n-Butylbenzene	13.62	91	12173	0.36	ug/l #	83
90) Hexachloroethane	13.89	117	10166	Below	Cal #	9
91) 1,2-Dichlorobenzene	13.66	146	6511	0.27	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	477	0.24	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	22434	6.59	ug/l #	88
94) Hexachlorobutadiene	15.01	225	450	Below	Cal #	40
95) Naphthalene	15.14	128	1374461	66.61	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	5373	3.92	ug/l #	80

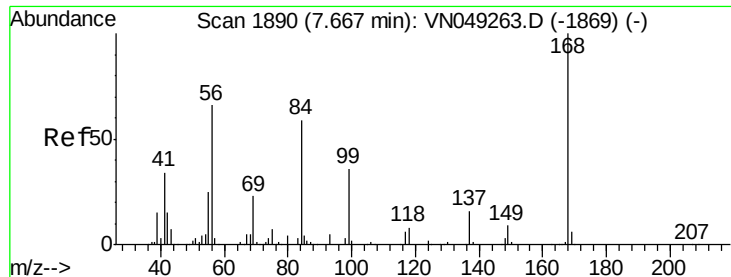
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

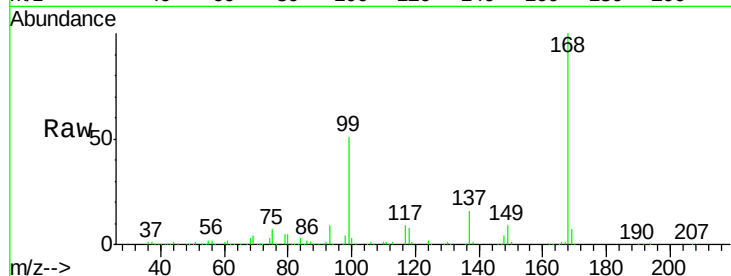
ClientSampled :

Tot Ion:168 Resp: 1115329

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): VN0

7.67

400000

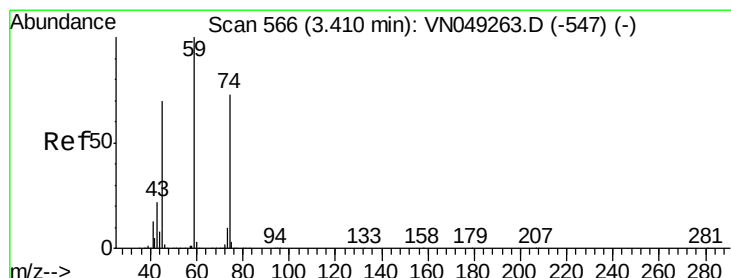
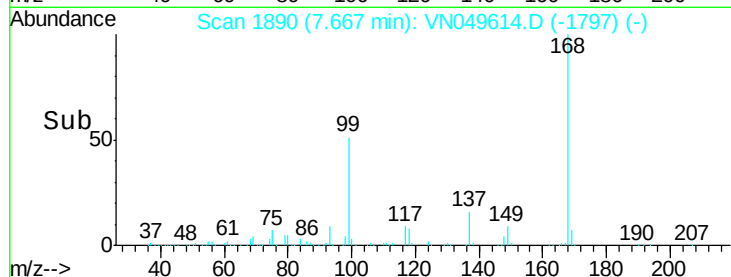
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 1.11 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049614.D

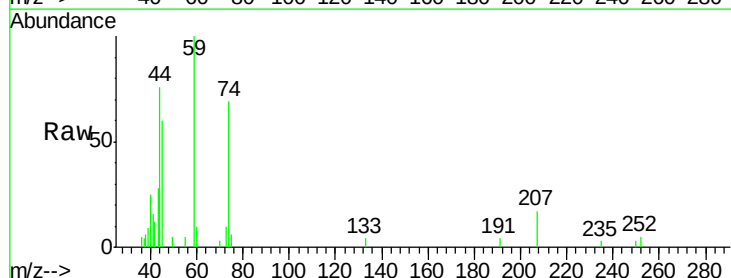
Acq: 29 Jun 2018 2:34

Tgt Ion: 74 Resp: 8549

Ion Ratio Lower Upper

74 100

45 91.8 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.41

4000

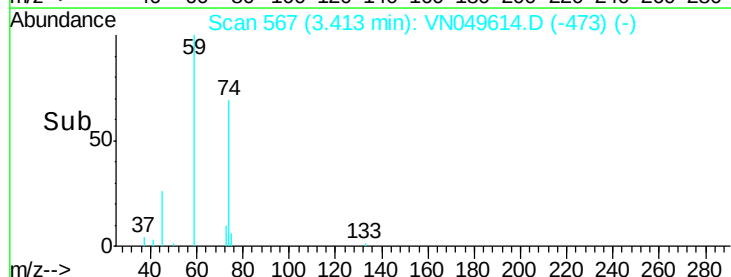
3000

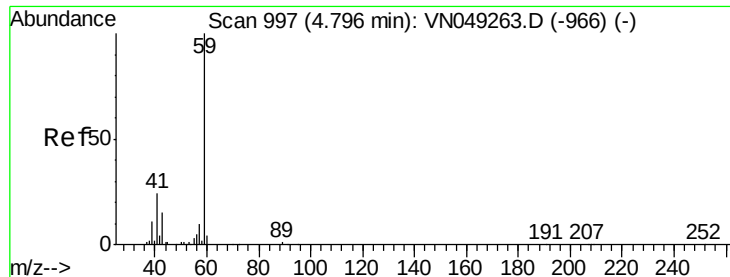
2000

1000

0

Time--> 3.35 3.40 3.45

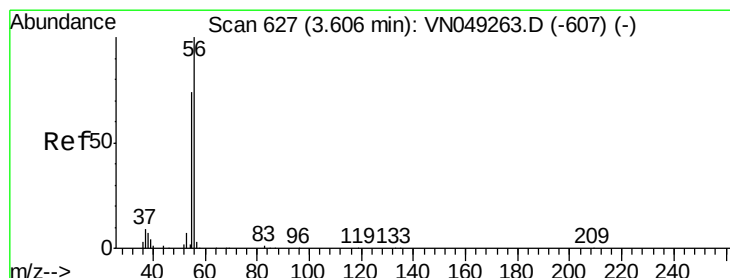
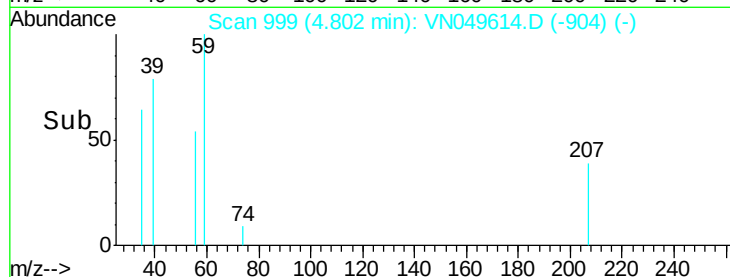
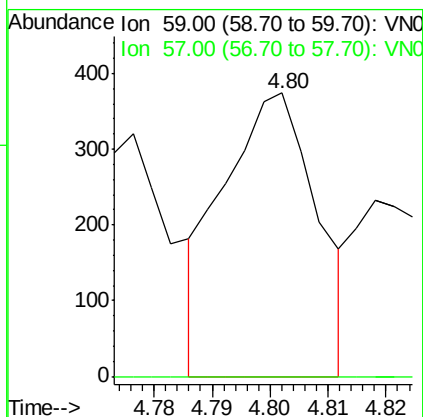
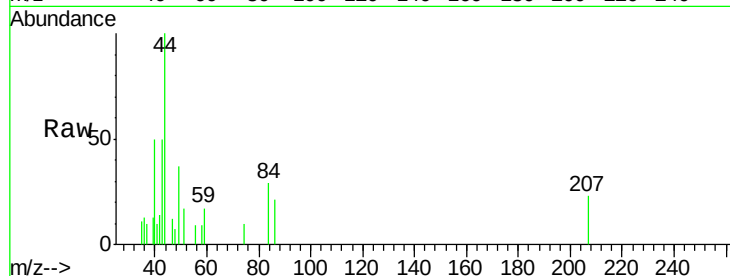




#11
Tert butyl alcohol
Concen: 0.48 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

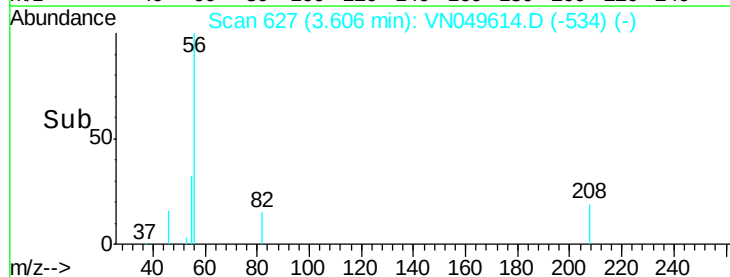
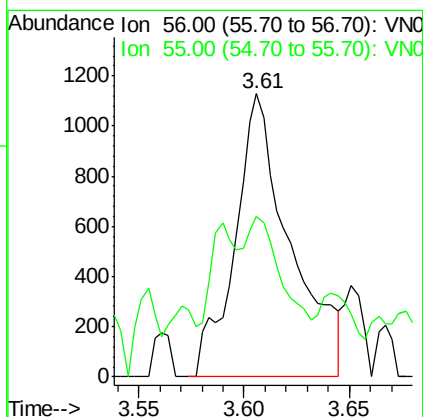
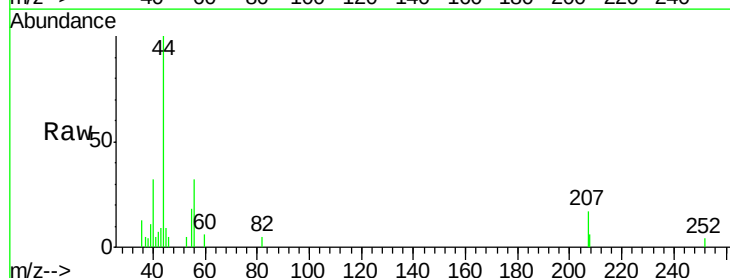
Instrument :
MSVOA_N
ClientSampled :

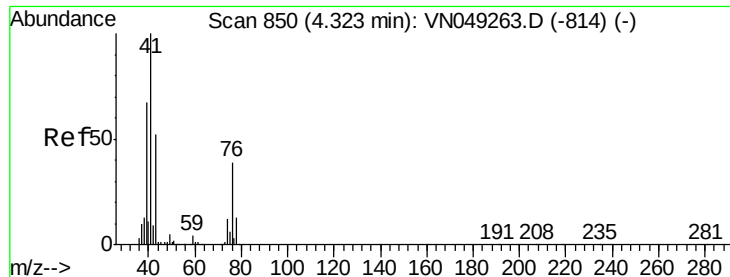
Tot Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 2.25 ug/l
RT: 3.61 min Scan# 627
Delta R.T. 0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion: 56 Resp: 2047
Ion Ratio Lower Upper
56 100
55 24.8 57.1 85.7#

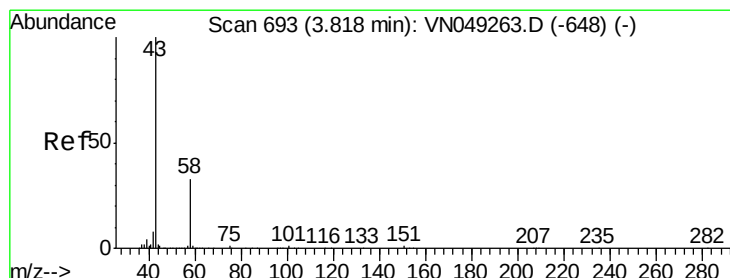
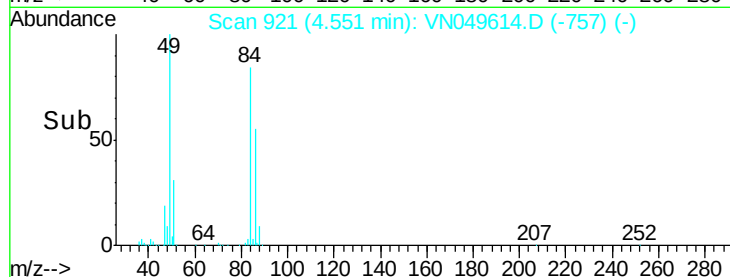
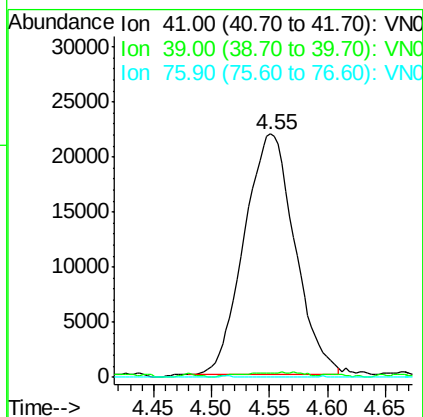
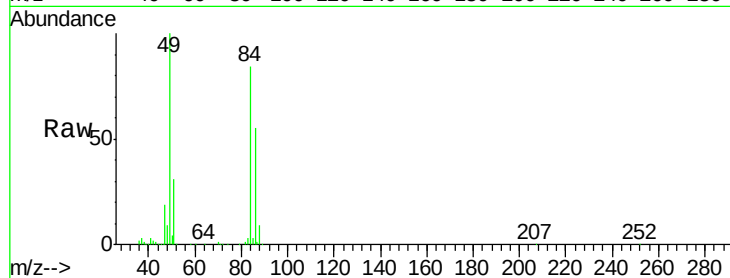




#14
Allvl chloride
Concen: 3.30 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.23 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

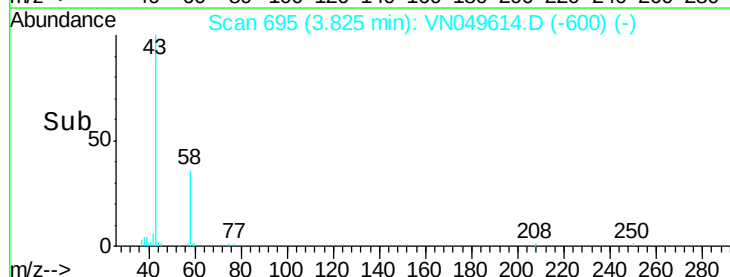
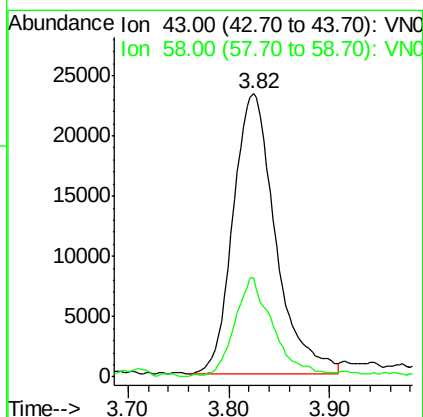
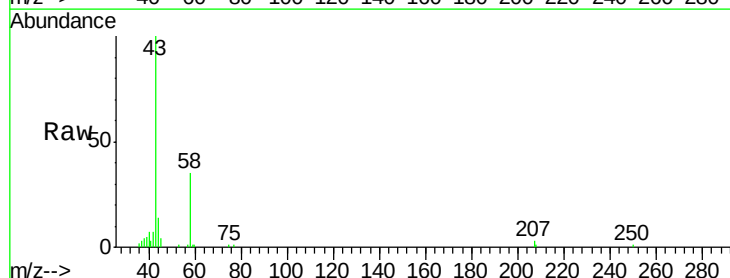
Instrument :
MSVOA_N
ClientSampleId :

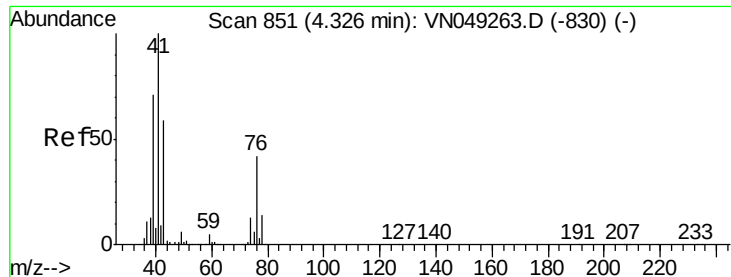
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.4	62.5	93.7#
76	0.0	27.1	40.7#



#16
Acetone
Concen: 18.94 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	22.4	33.6#

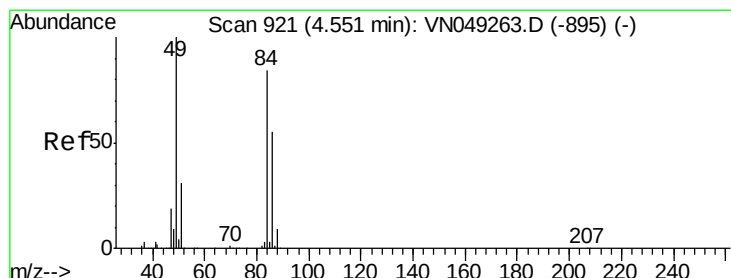
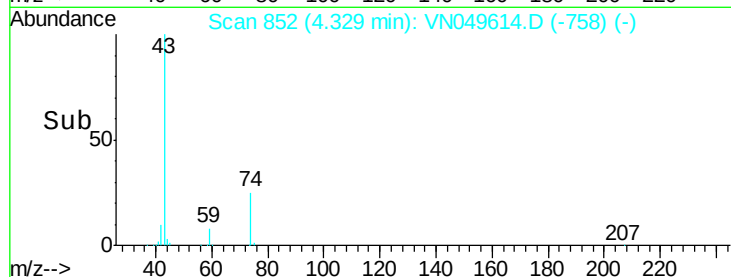
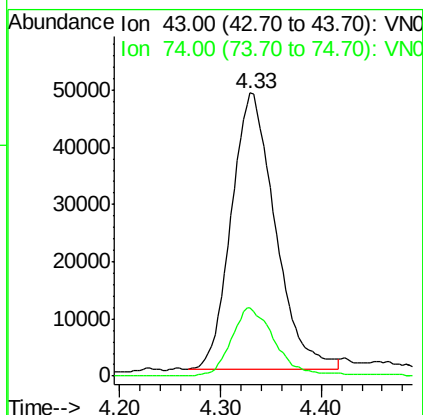
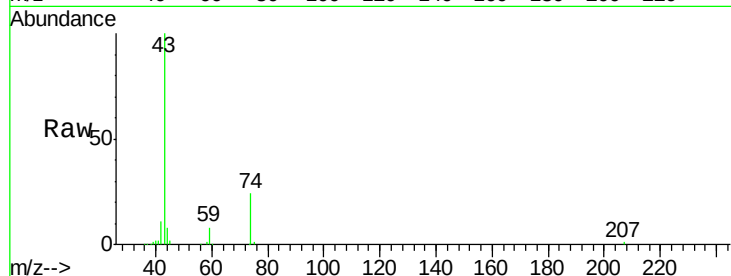




#18
Methvl Acetate
Concen: 13.27 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

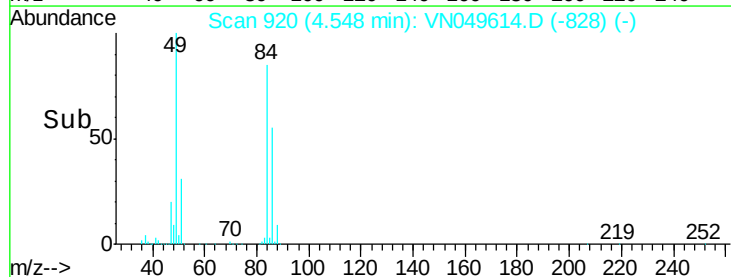
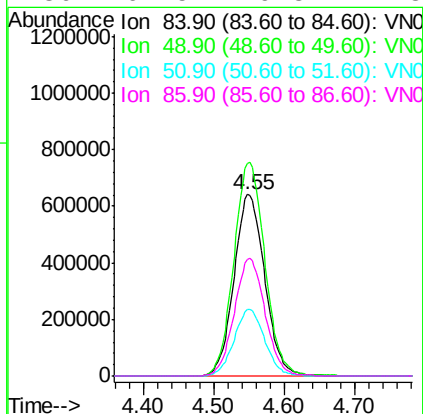
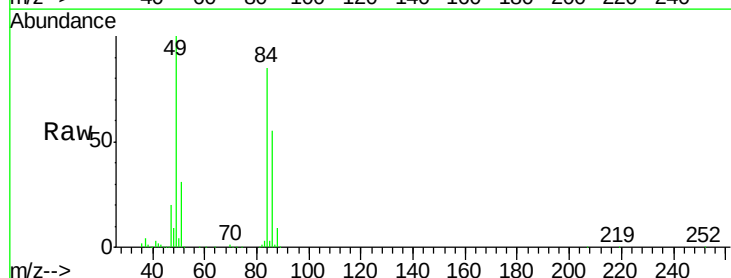
Instrument :
MSVOA_N
ClientSampled :

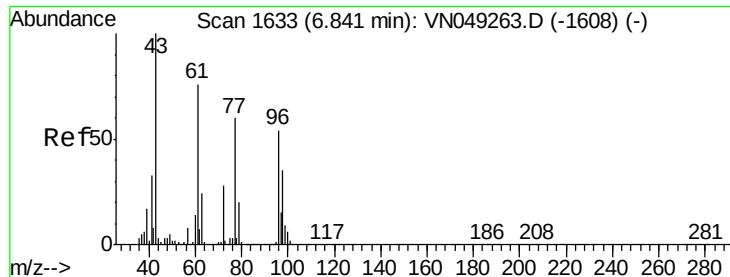
Tot Ion: 43 Resp: 145313
Ion Ratio Lower Upper
43 100
74 24.7 17.4 26.0



#20
Methylene Chloride
Concen: 130.26 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion: 84 Resp: 1954095
Ion Ratio Lower Upper
84 100
49 117.5 106.9 160.3
51 36.8 32.7 49.1
86 64.5 49.8 74.8





#25

2-Butanone

Concen: 1.85 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

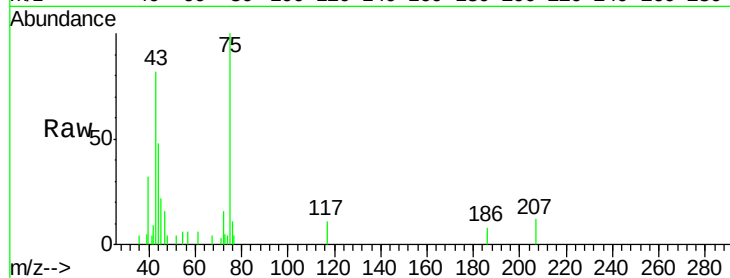
ClientSampled :

Tot Ion: 43 Resp: 8934

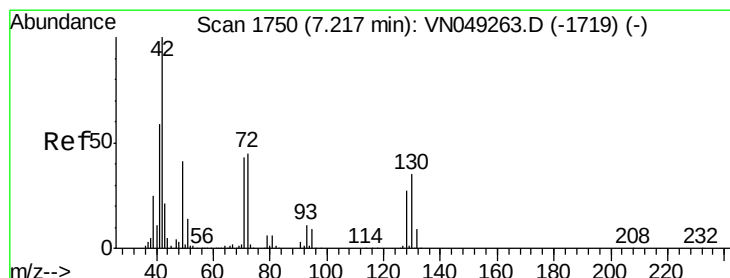
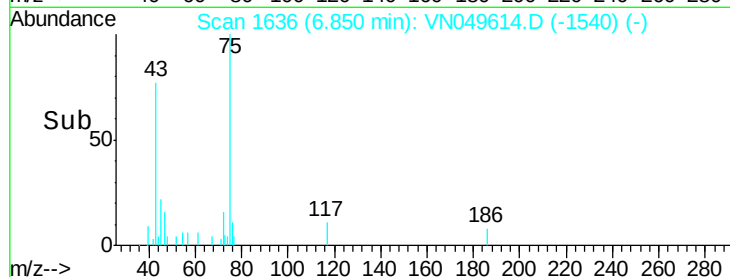
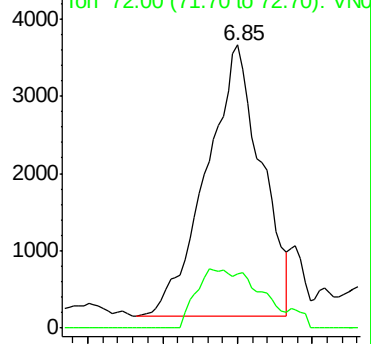
Ion Ratio Lower Upper

43 100

72 20.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN049614.D (-1540) (-)



#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 7.21 min Scan# 1747

Delta R.T. -0.01 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

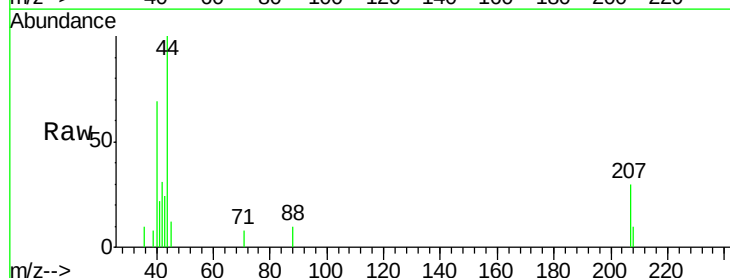
Tgt Ion: 42 Resp: 756

Ion Ratio Lower Upper

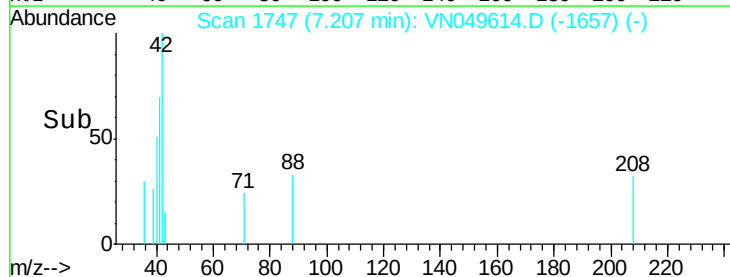
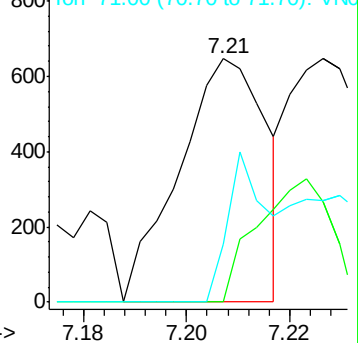
42 100

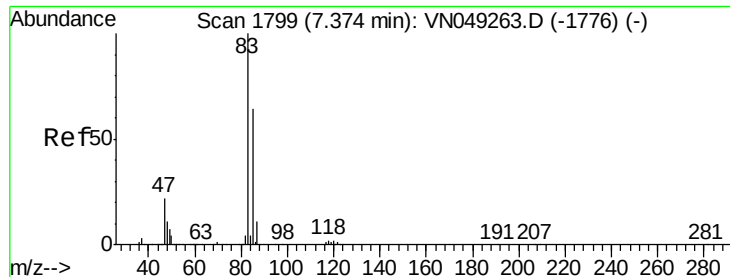
72 0.0 32.2 48.4#

71 26.9 30.5 45.7#



Abundance Ion 42.00 (41.70 to 42.70): VN049614.D (-1657) (-)

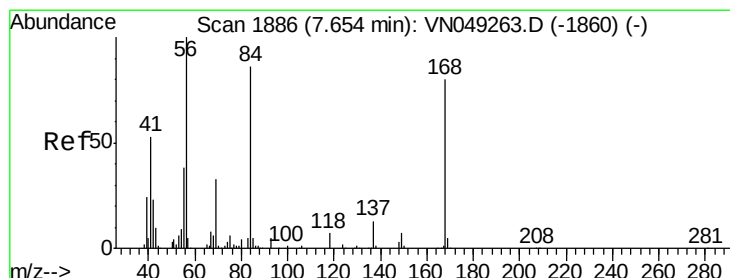
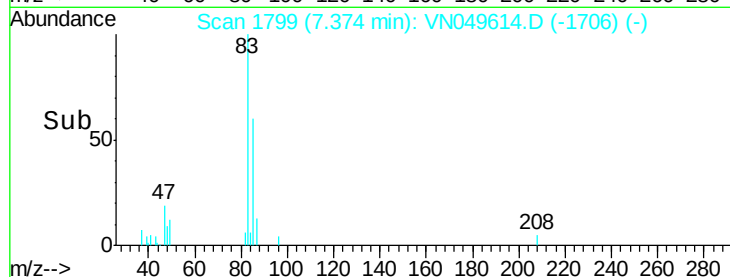
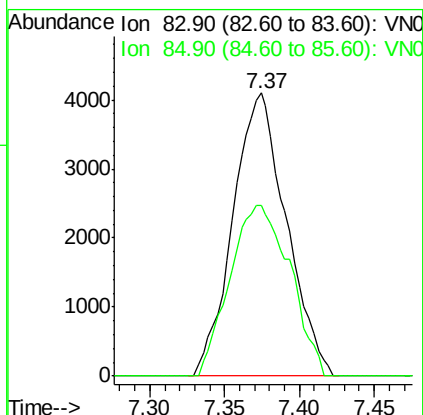
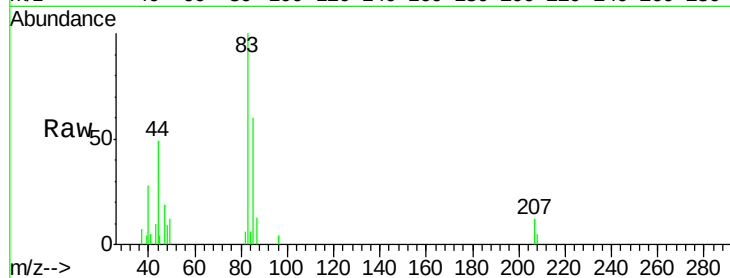




#30
Chloroform
Concen: 0.40 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

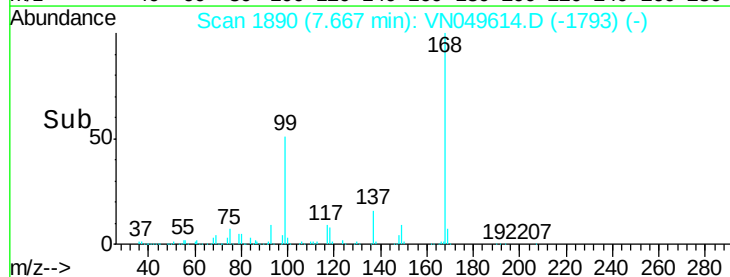
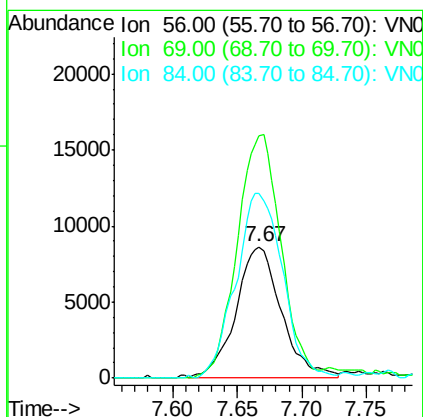
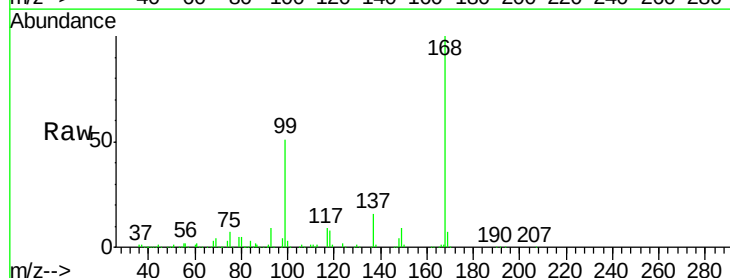
Instrument :
MSVOA_N
ClientSampleId :

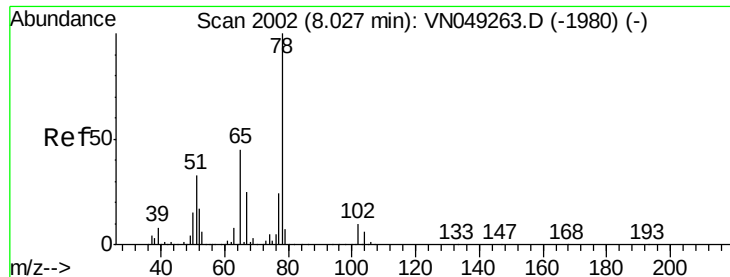
Tot Ion: 83 Resp: 10171
Ion Ratio Lower Upper
83 100
85 60.5 51.7 77.5



#31
Cyclohexane
Concen: 0.80 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion: 56 Resp: 21369
Ion Ratio Lower Upper
56 100
69 184.9 25.0 37.4#
84 138.3 64.6 96.8#

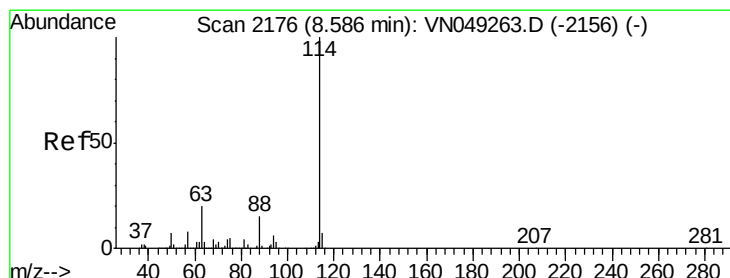
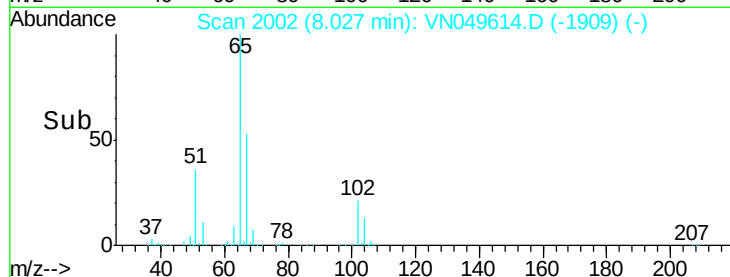
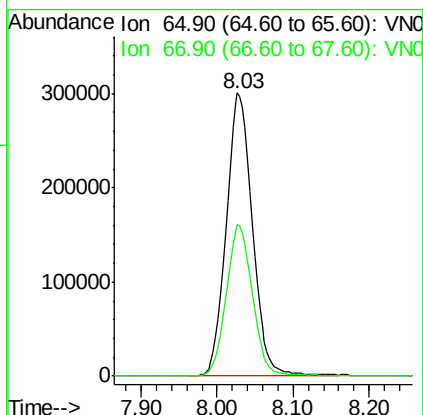
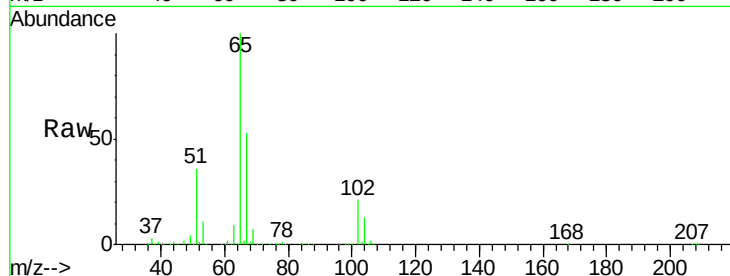




#33
 1,2-Dichloroethane-d4
 Concen: 48.90 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049614.D
 Acq: 29 Jun 2018 2:34

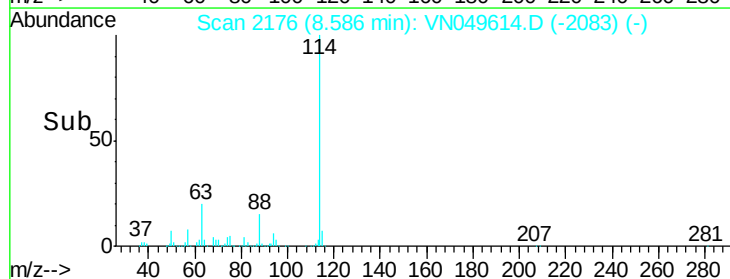
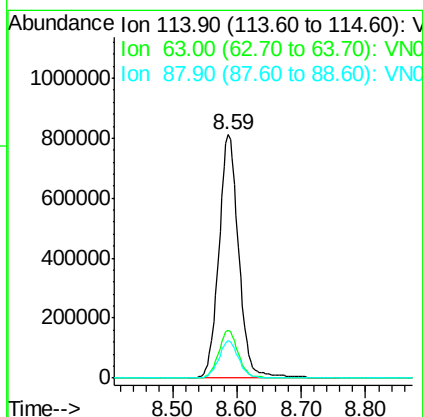
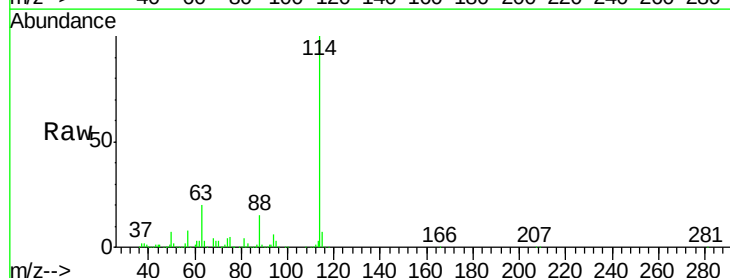
Instrument :
 MSVOA_N
 ClientSampleId :

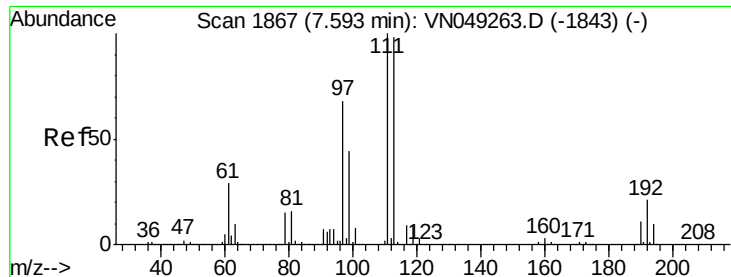
Tot Ion: 65 Resp: 723428
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049614.D
 Acq: 29 Jun 2018 2:34

Tgt Ion: 114 Resp: 1740474
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 44.4
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.20 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :

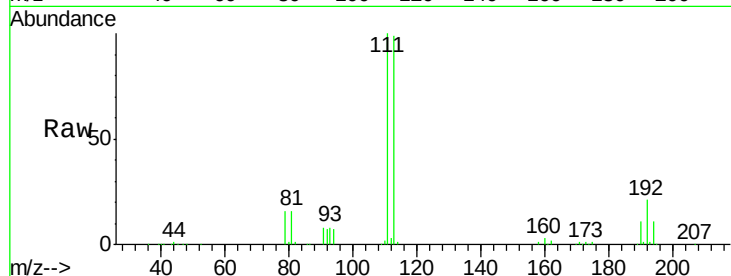
Tot Ion:113 Resp: 636404

Ion Ratio Lower Upper

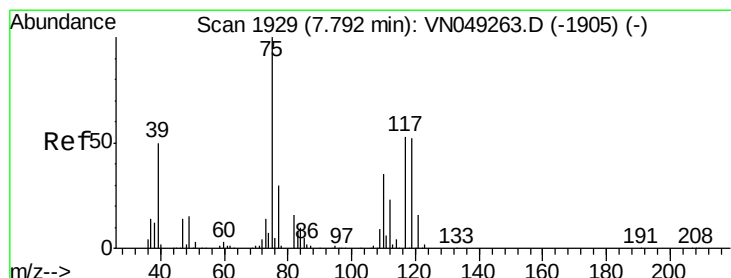
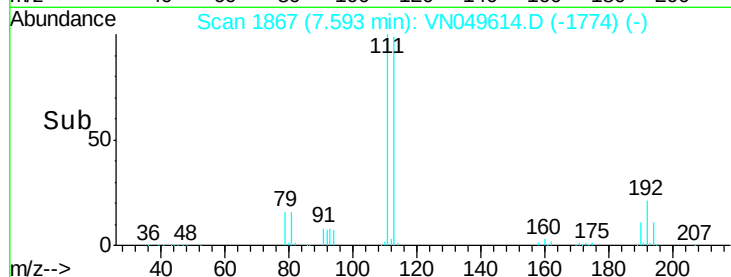
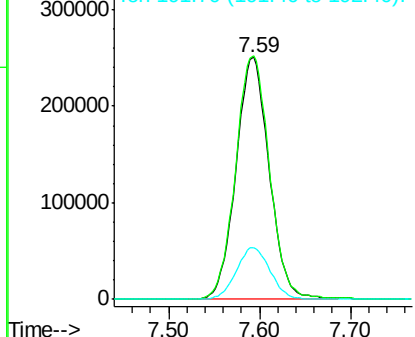
113 100

111 103.1 82.4 123.6

192 21.7 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: 3.73 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

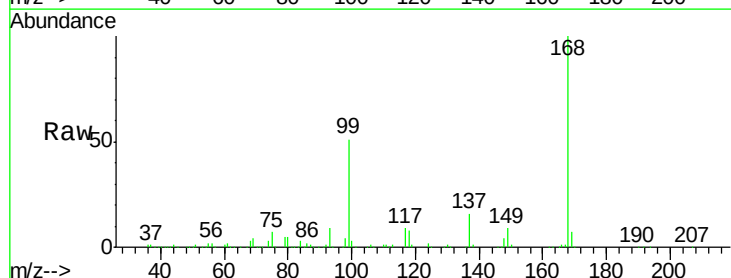
Tgt Ion: 75 Resp: 74352

Ion Ratio Lower Upper

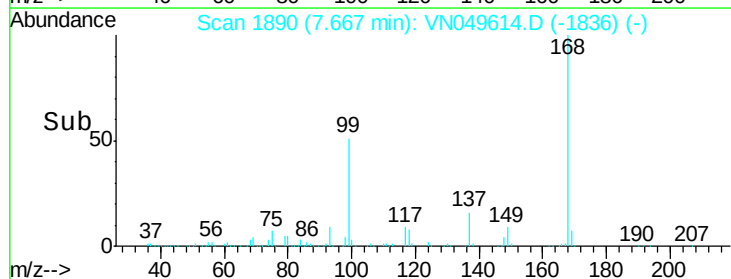
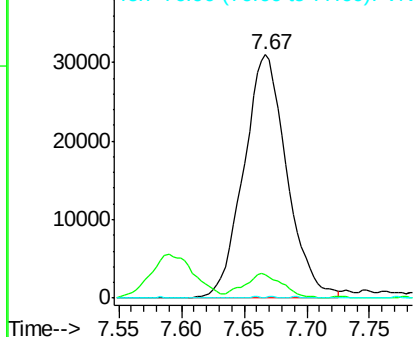
75 100

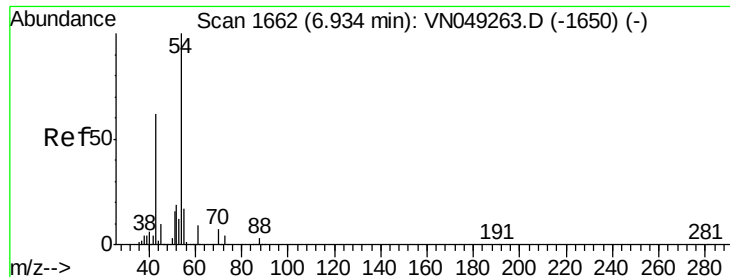
110 8.9 17.0 50.9#

77 0.0 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

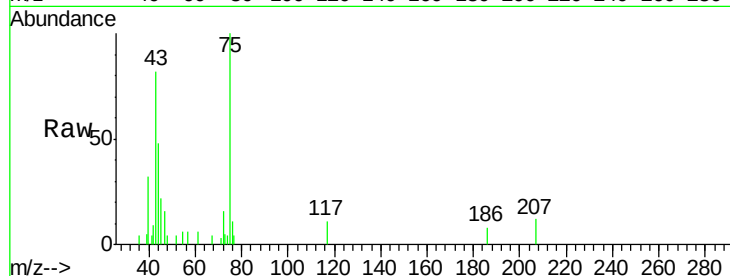




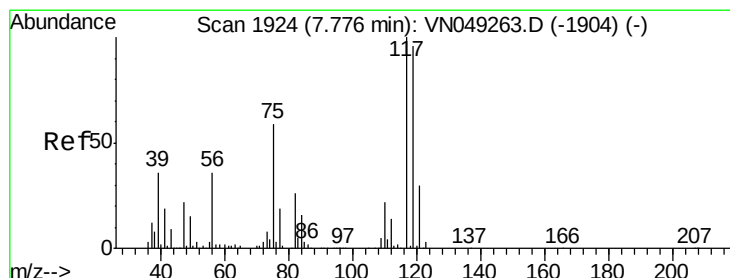
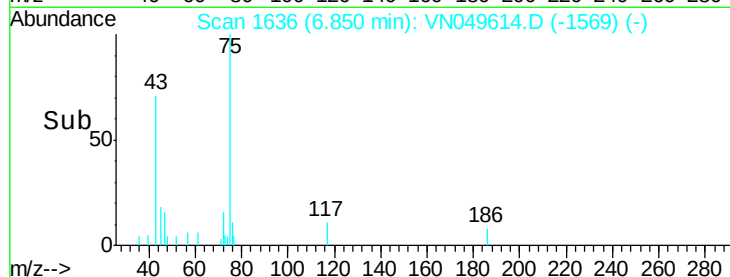
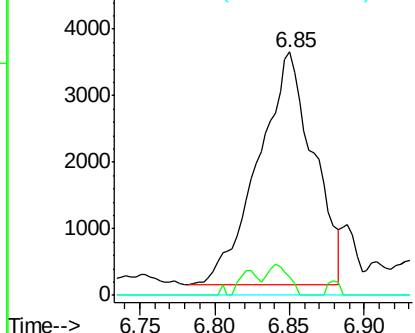
#37
Ethyl Acetate
Concen: 0.82 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. -0.08 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 8934
Ion Ratio Lower Upper
43 100
61 5.1 11.0 16.4#
70 0.0 7.2 10.8#

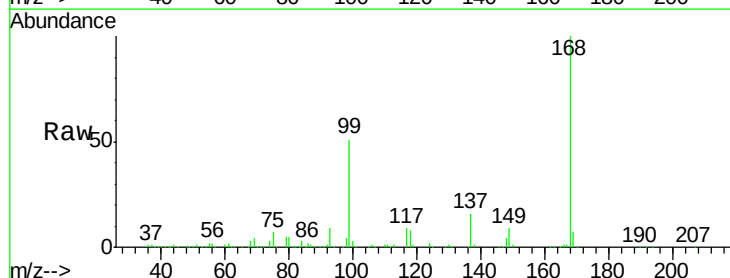


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

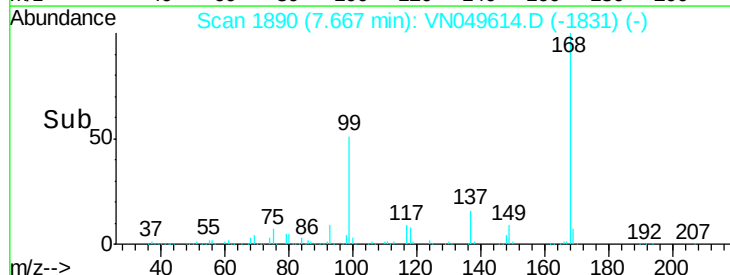
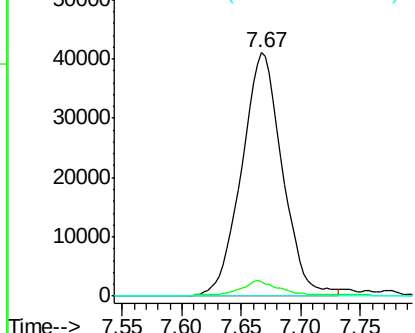


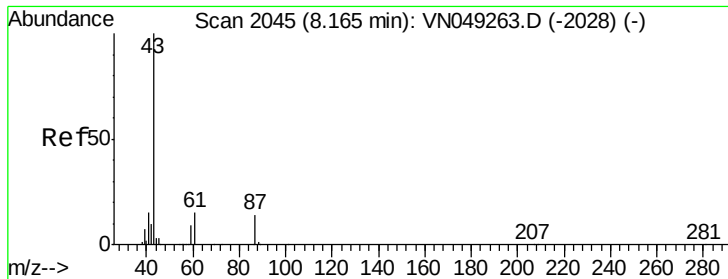
#38
Carbon Tetrachloride
Concen: 4.72 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion: 117 Resp: 97472
Ion Ratio Lower Upper
117 100
119 6.1 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: 19.92 ug/l

RT: 8.30 min Scan# 2086

Delta R.T. 0.13 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampled :

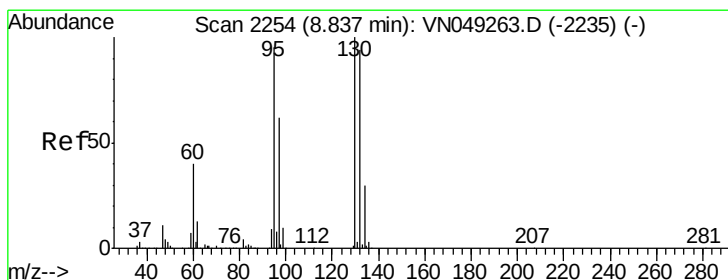
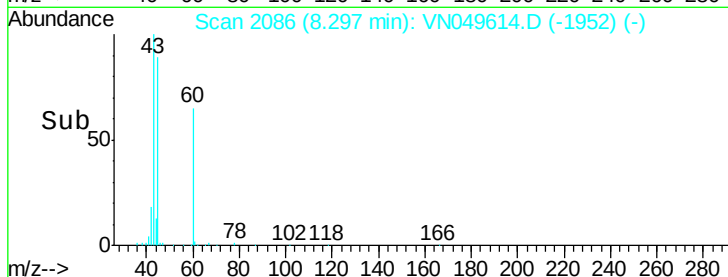
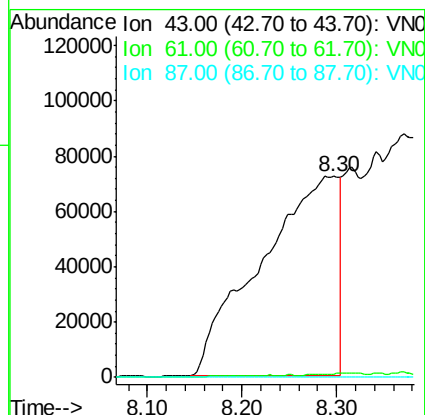
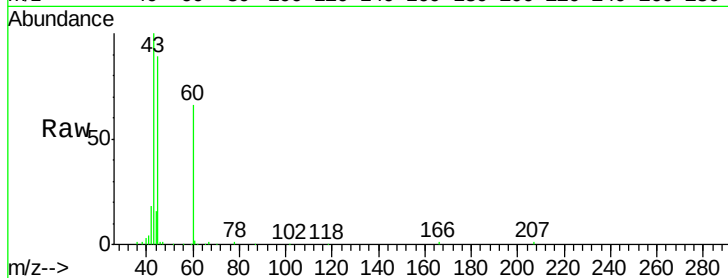
Tot Ion: 43 Resp: 412836

Ion Ratio Lower Upper

43 100

61 0.2 14.2 21.4#

87 0.0 9.4 14.0#



#44

Trichloroethene

Concen: 0.24 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN049614.D

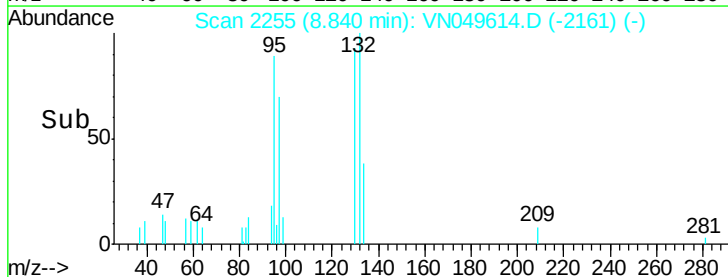
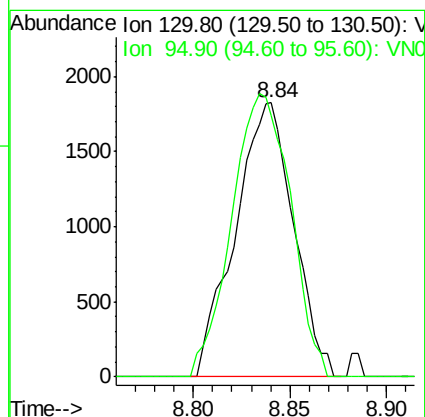
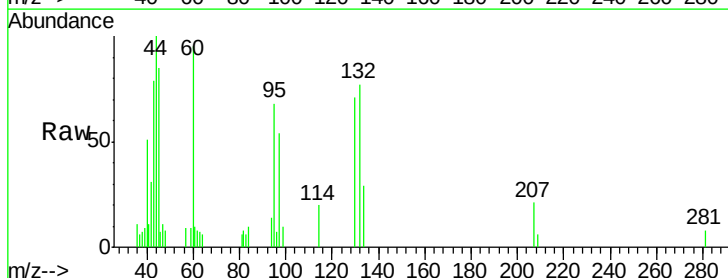
Acq: 29 Jun 2018 2:34

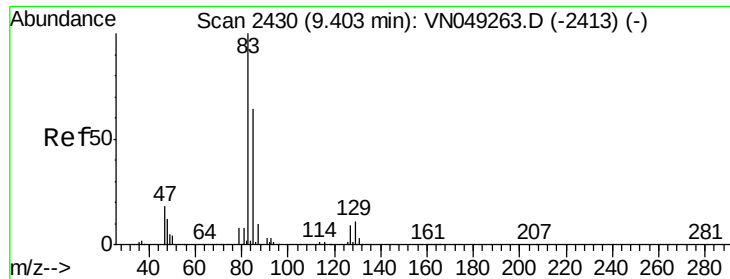
Tgt Ion: 130 Resp: 3830

Ion Ratio Lower Upper

130 100

95 95.7 0.0 208.6





#47

Bromodichloromethane

Concen: 0.22 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampled :

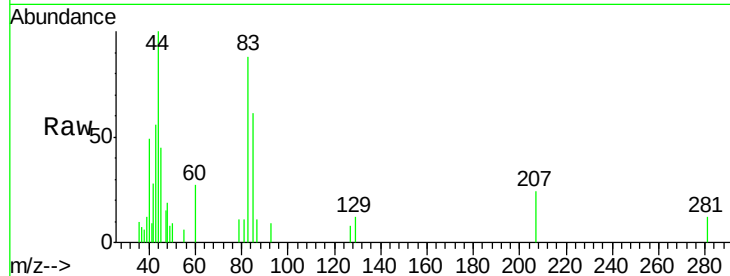
Tot Ion: 83 Resp: 4419

Ion Ratio Lower Upper

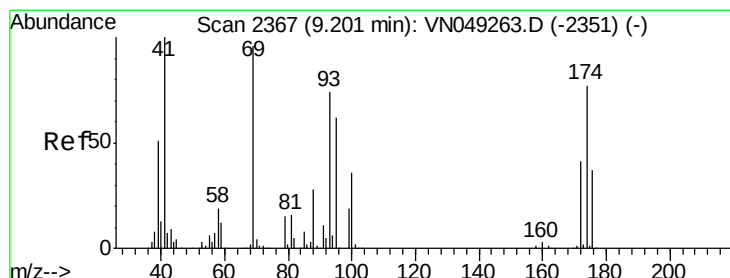
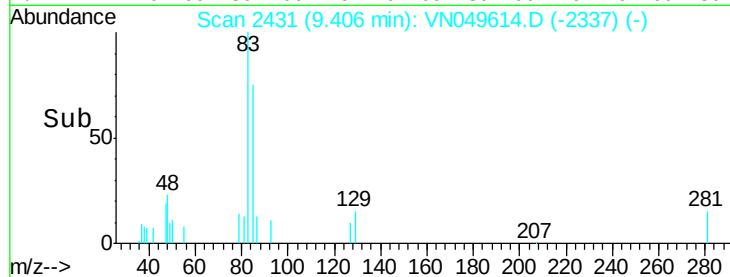
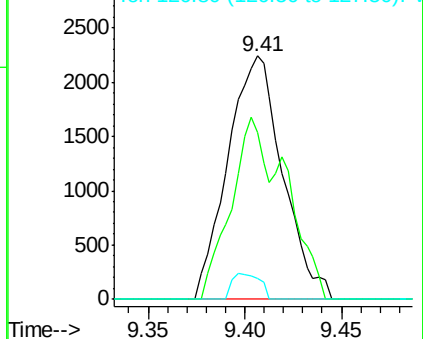
83 100

85 68.7 49.4 74.0

127 8.8 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: 0.22 ug/l

RT: 9.19 min Scan# 2365

Delta R.T. -0.01 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

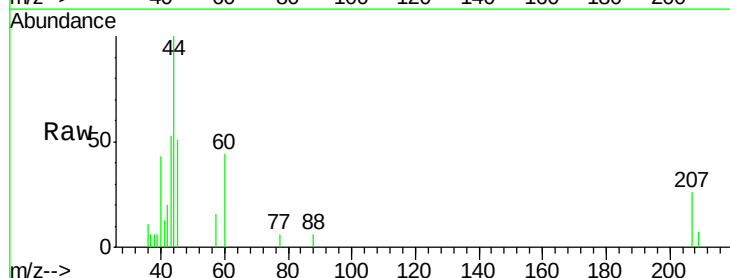
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

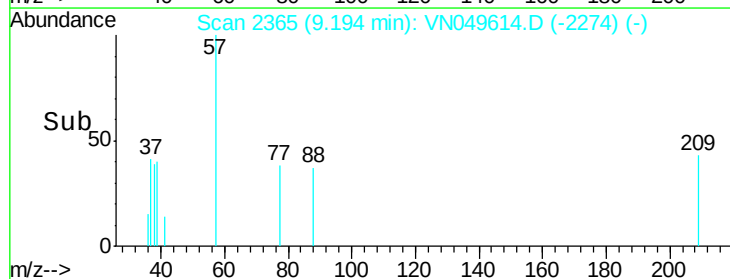
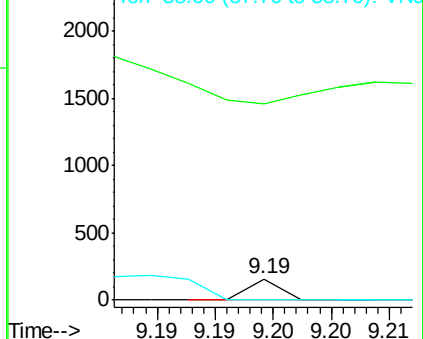
88 100

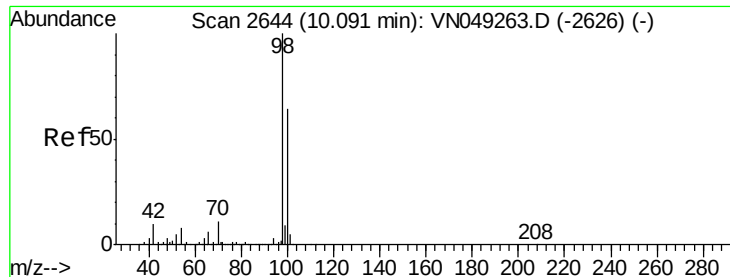
43 0.0 30.9 46.3#

58 750.0 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

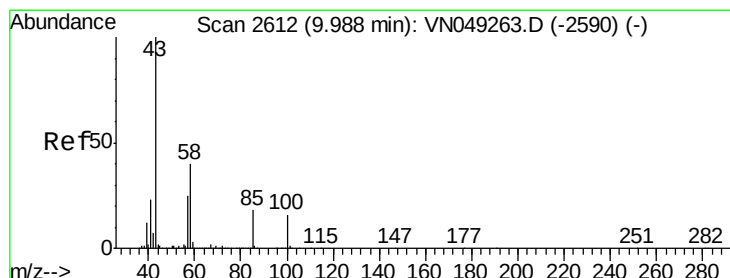
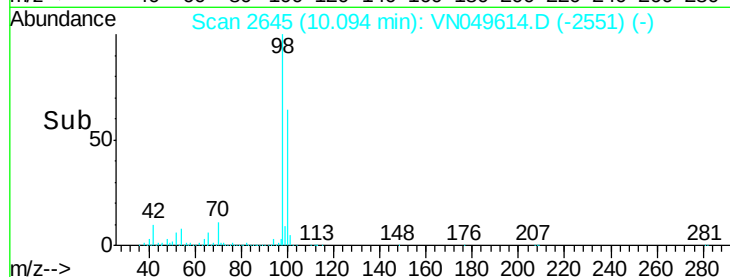
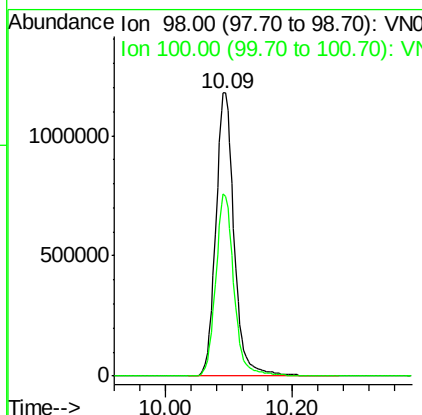
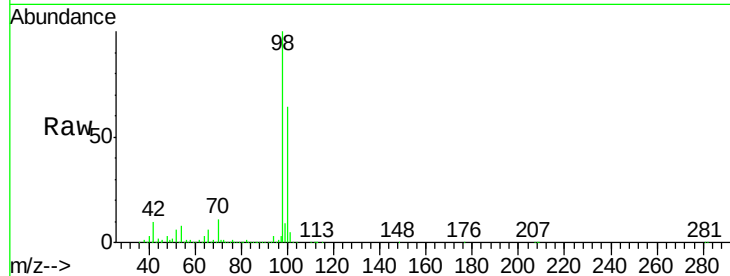




#50
Toluene-d8
Concen: 43.96 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

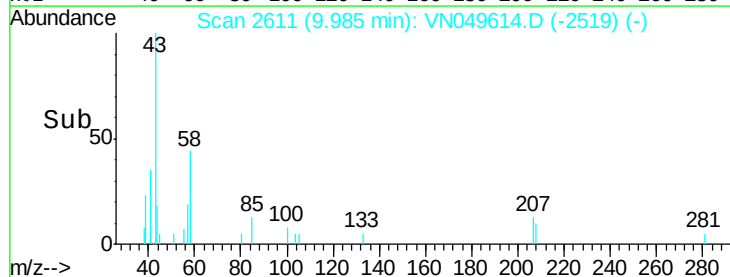
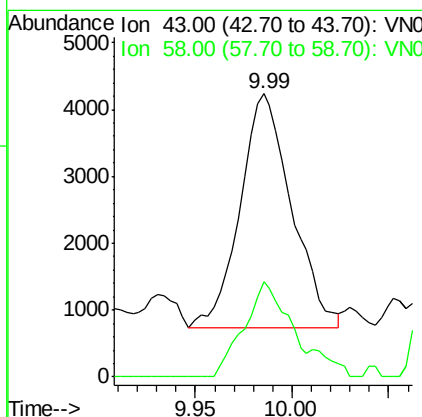
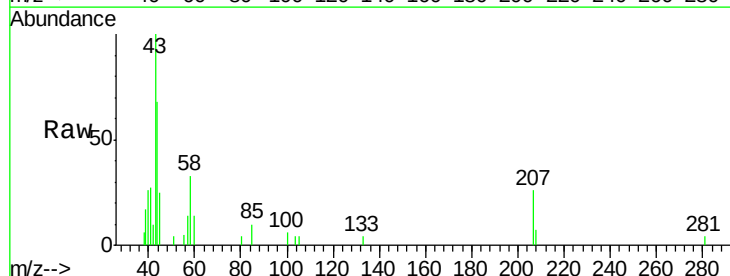
Instrument :
MSVOA_N
ClientSampled :

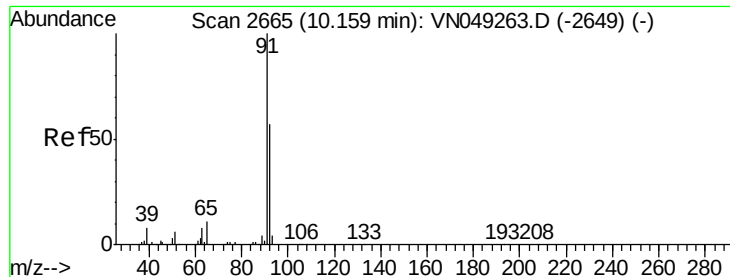
Tot Ion: 98 Resp: 2357033
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.8



#51
4-Methyl-2-Pentanone
Concen: 0.60 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion: 43 Resp: 6464
Ion Ratio Lower Upper
43 100
58 40.2 29.0 43.6





#52

Toluene

Concen: 1.27 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

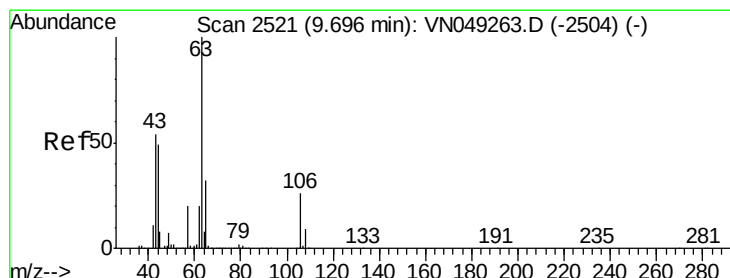
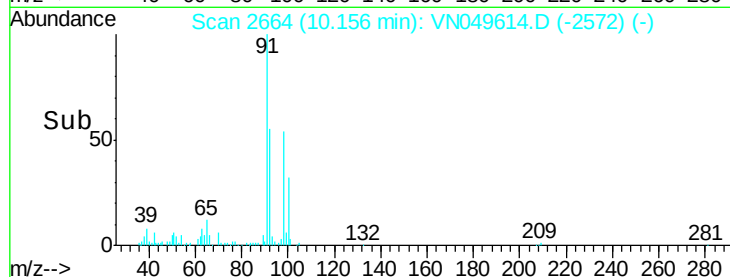
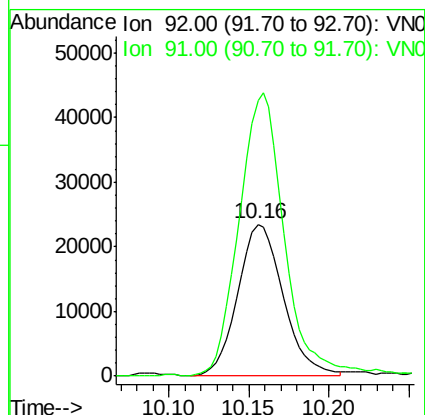
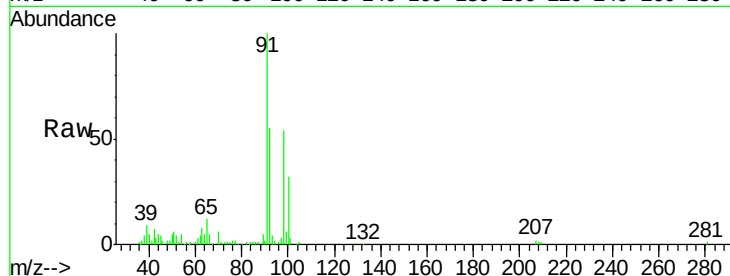
ClientSampled :

Tot Ion: 92 Resp: 45624

Ion Ratio Lower Upper

92 100

91 187.4 143.4 215.2



#58

2-Chloroethyl Vinyl ether

Concen: 14.35 ug/l

RT: 9.69 min Scan# 2518

Delta R.T. -0.01 min

Lab File: VN049614.D

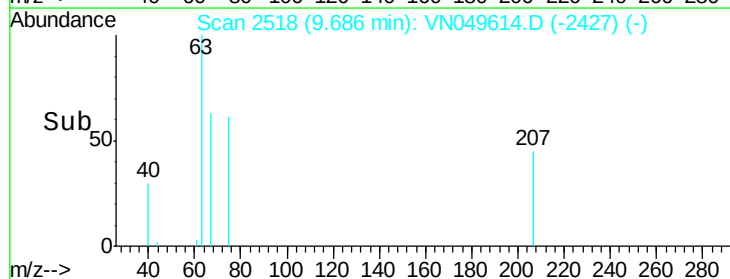
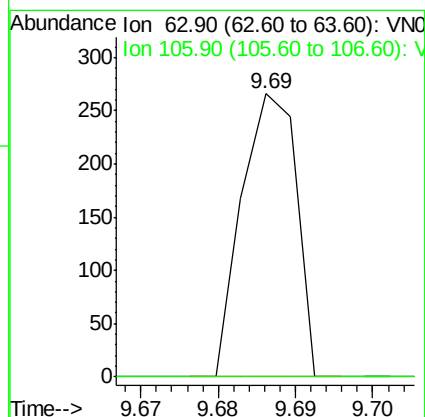
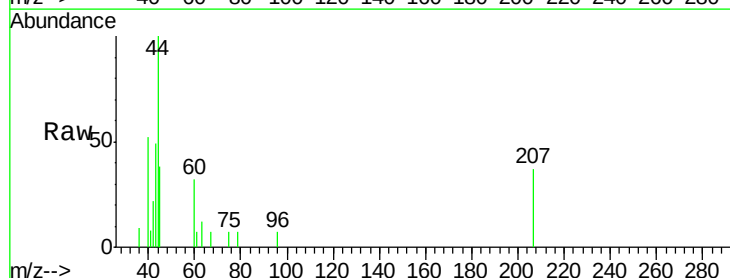
Acq: 29 Jun 2018 2:34

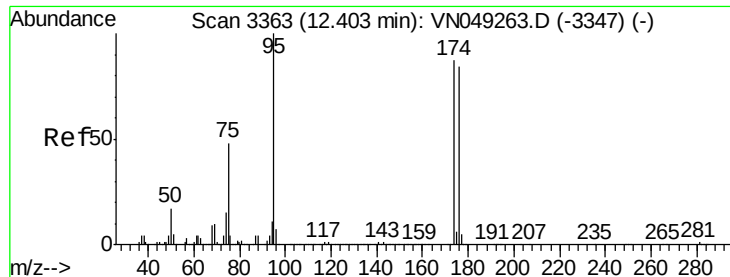
Tgt Ion: 63 Resp: 131

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#

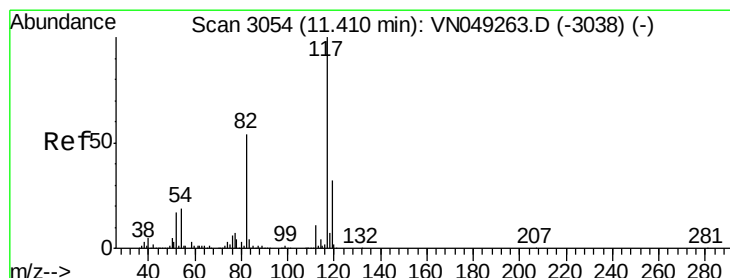
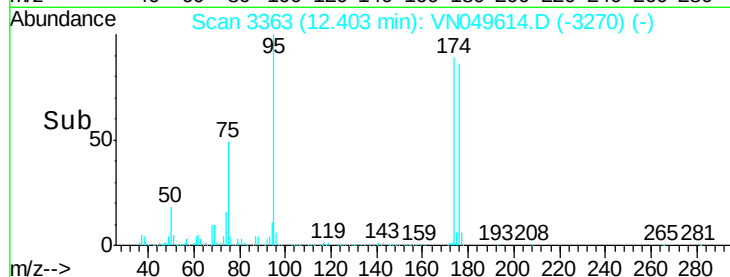
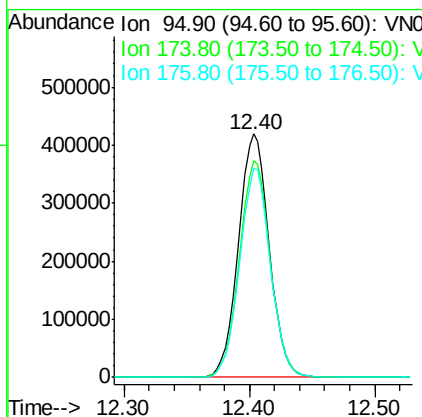
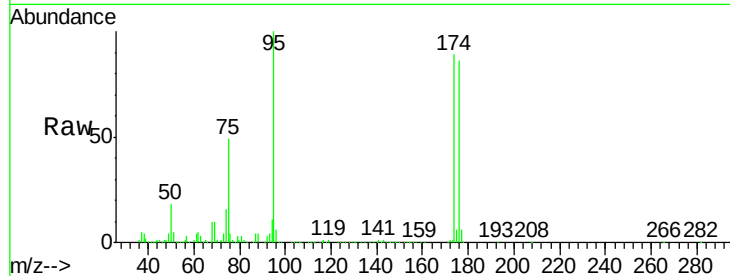




#62
4-Bromofluorobenzene
Concen: 40.22 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

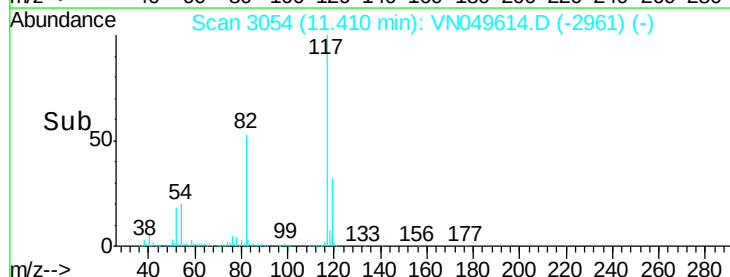
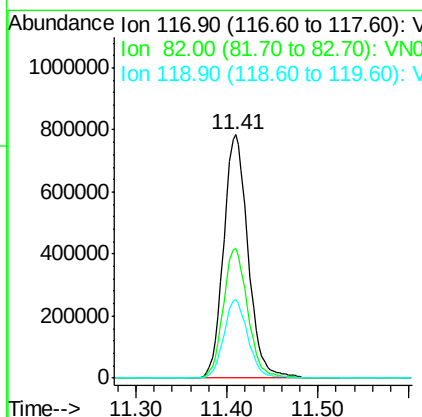
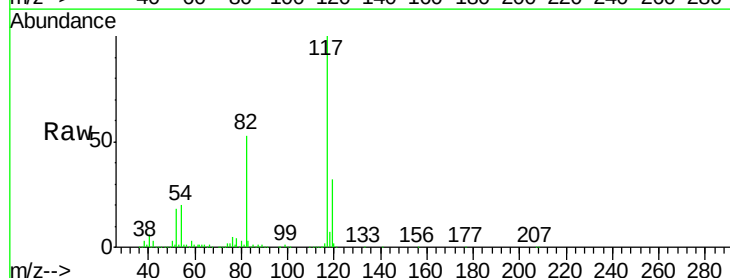
Instrument :
MSVOA_N
ClientSampled :

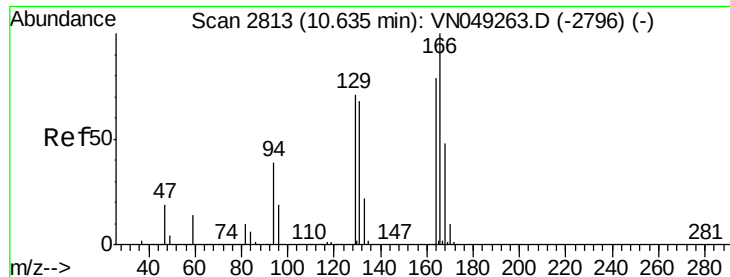
Tot Ion: 95 Resp: 712967
Ion Ratio Lower Upper
95 100
174 89.6 0.0 165.6
176 86.1 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion: 117 Resp: 1464682
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 32.4 25.5 38.3





#64

Tetrachloroethene

Concen: 0.23 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 3514

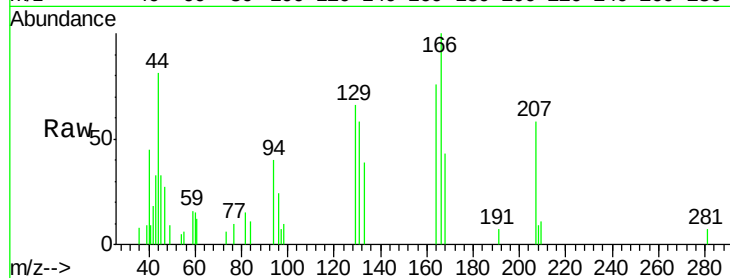
Ion Ratio Lower Upper

164 100

166 131.1 101.4 152.2

129 86.4 74.1 111.1

131 76.2 73.7 110.5

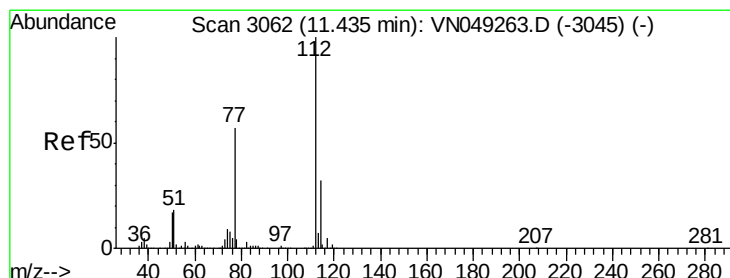
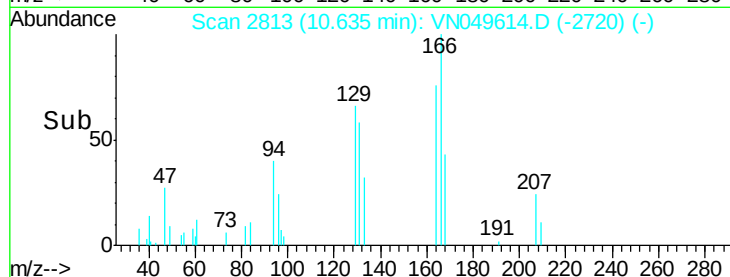
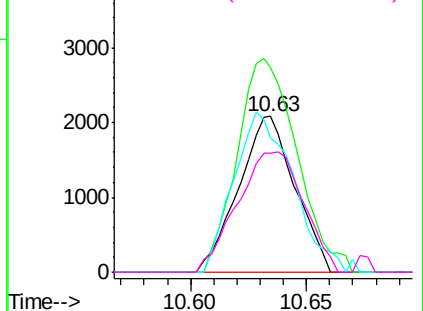


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.28 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049614.D

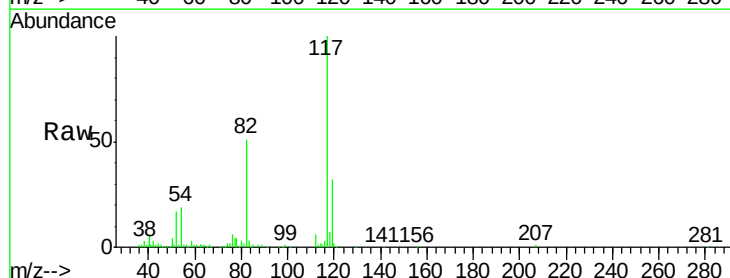
Acq: 29 Jun 2018 2:34

Tgt Ion:112 Resp: 10606

Ion Ratio Lower Upper

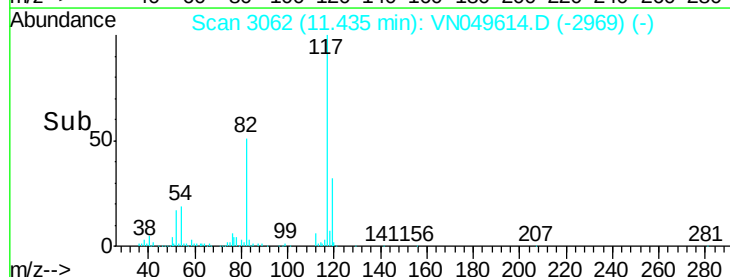
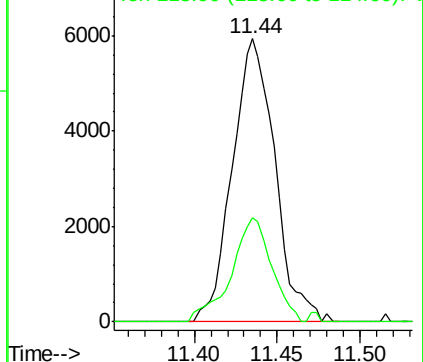
112 100

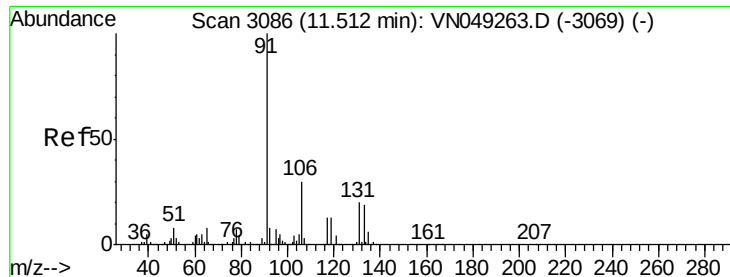
114 36.8 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 1.39 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

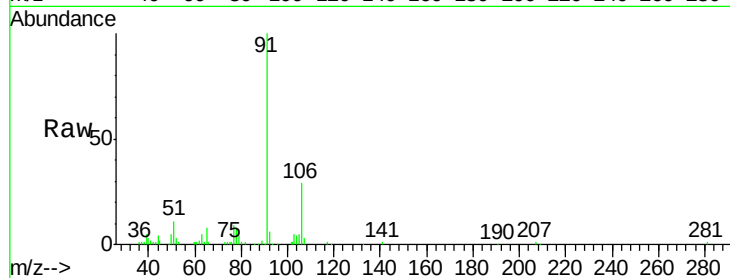
ClientSampled :

Tot Ion: 91 Resp: 87284

Ion Ratio Lower Upper

91 100

106 29.2 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3069) (-)

Ion 106.00 (105.70 to 106.70): VN049263.D (-3069) (-)

80000

60000

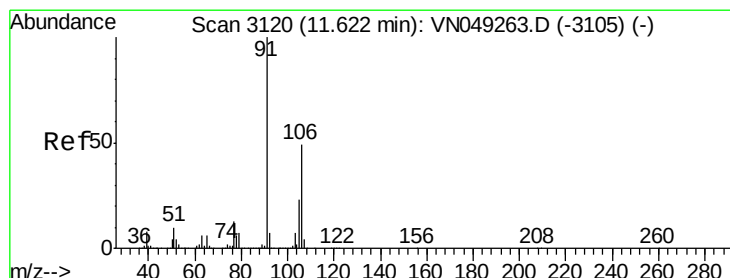
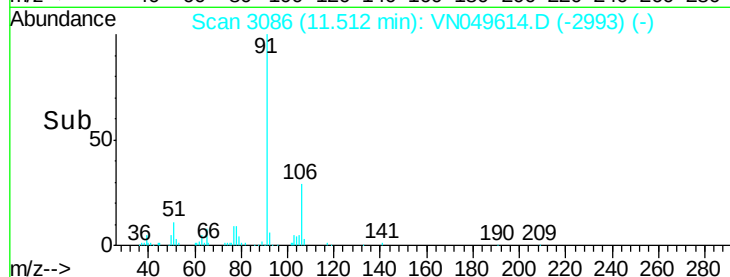
40000

20000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 3.18 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049614.D

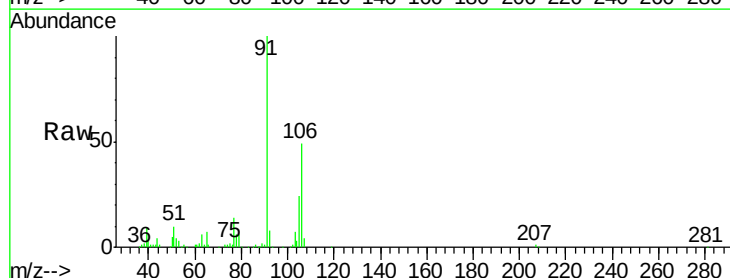
Acq: 29 Jun 2018 2:34

Tgt Ion: 106 Resp: 74672

Ion Ratio Lower Upper

106 100

91 202.3 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049263.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-3105) (-)

80000

60000

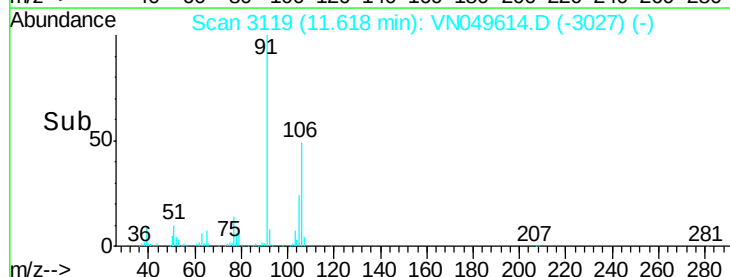
40000

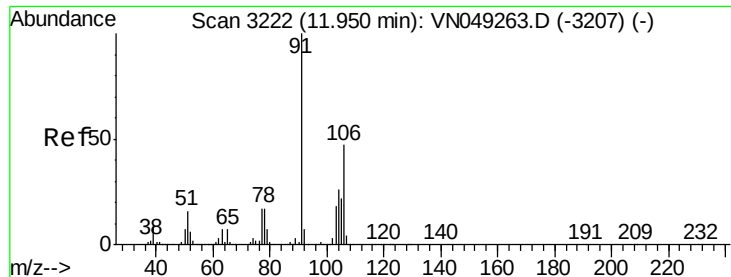
20000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->

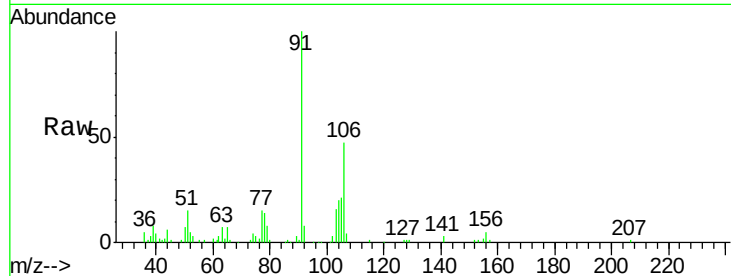




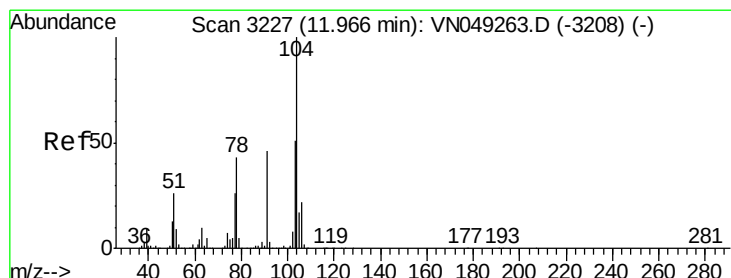
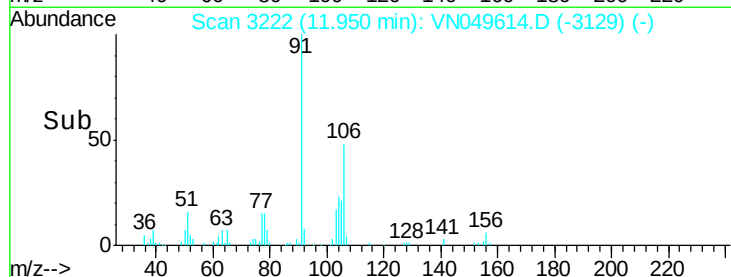
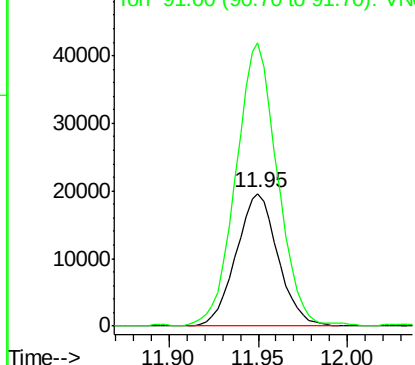
#69
o-Xylene
Concen: 1.42 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 32039
Ion Ratio Lower Upper
106 100
91 213.2 111.0 333.0

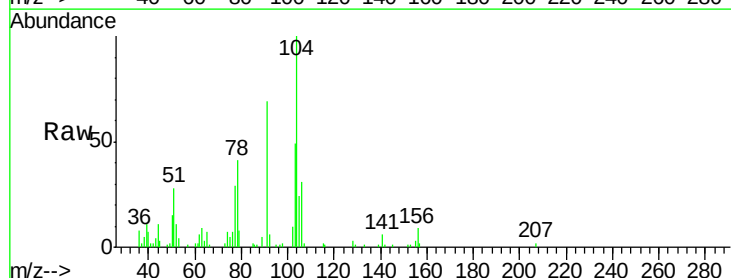


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

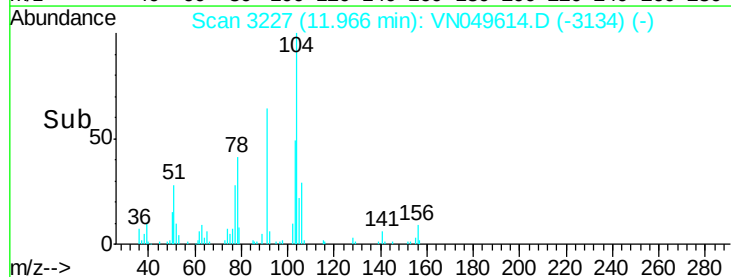
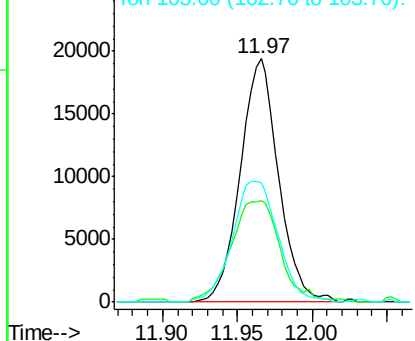


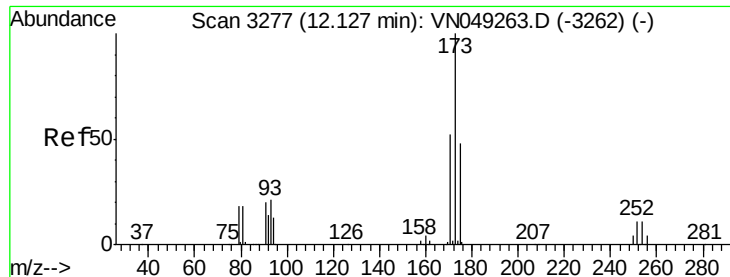
#70
Styrene
Concen: 0.97 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion:104 Resp: 34602
Ion Ratio Lower Upper
104 100
78 54.0 41.6 62.4
103 59.2 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

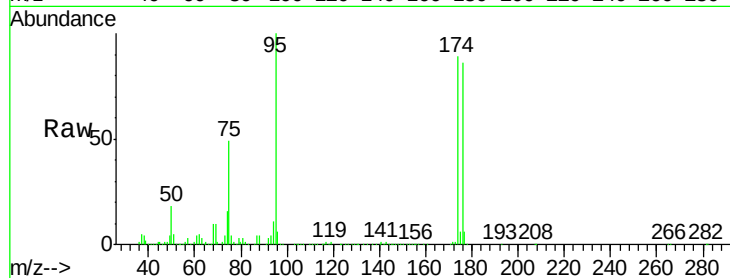
Tot Ion:173 Resp: 4701

Ion Ratio Lower Upper

173 100

175 770.5 24.5 73.5#

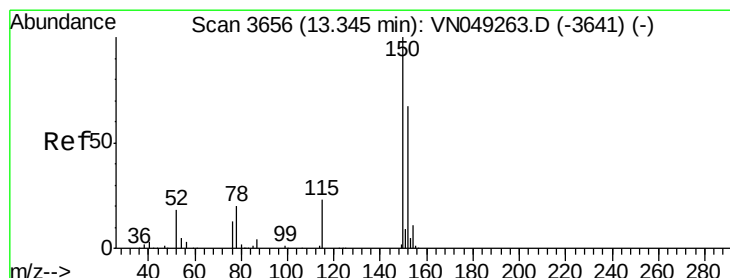
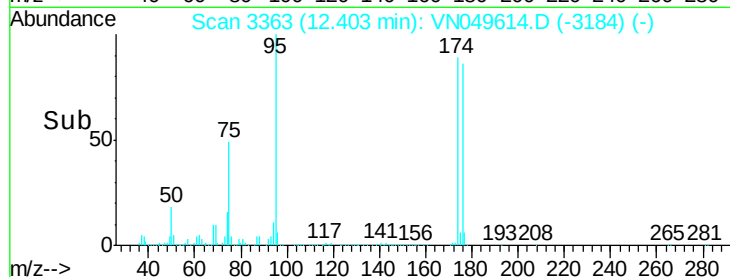
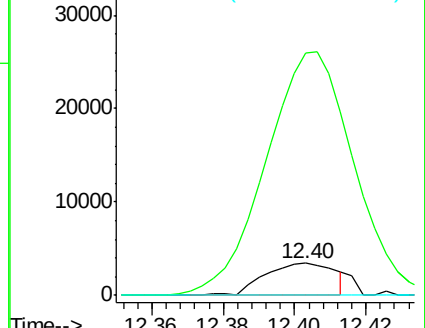
254 0.0 0.1 0.1#



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: VN049614.D

Acq: 29 Jun 2018 2:34

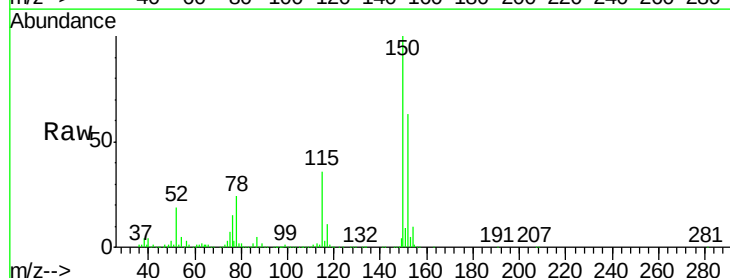
Tgt Ion:152 Resp: 642562

Ion Ratio Lower Upper

152 100

115 56.6 28.7 86.1

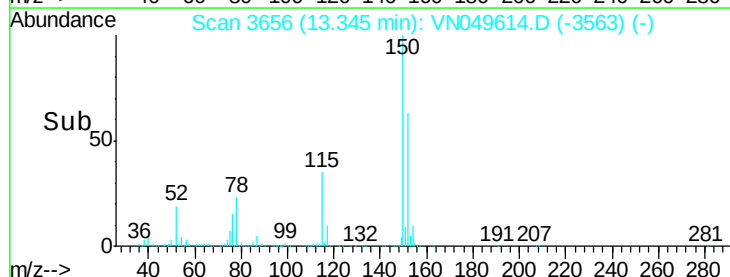
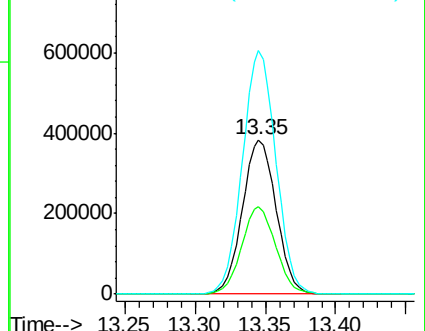
150 156.6 0.0 351.0

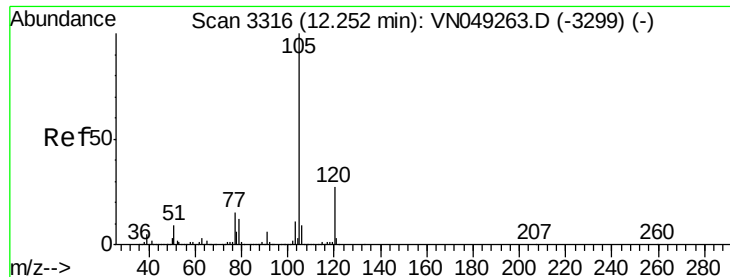


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.29 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

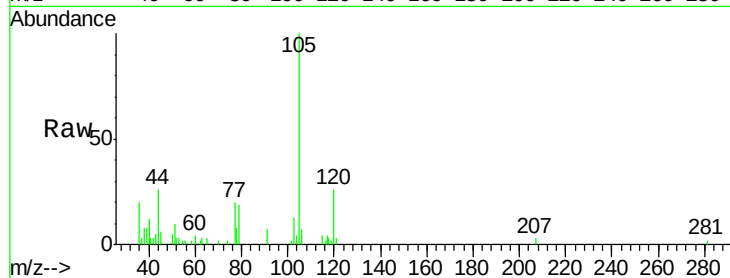
ClientSampleId :

Tot Ion:105 Resp: 16365

Ion Ratio Lower Upper

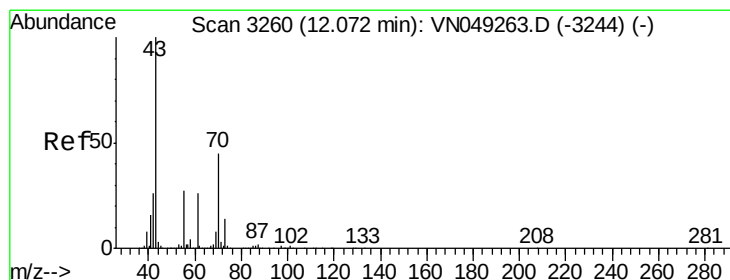
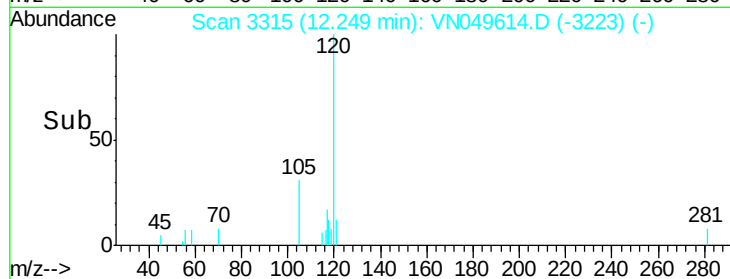
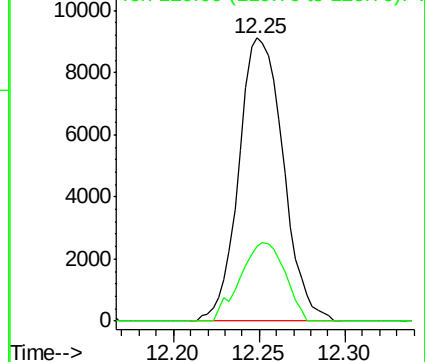
105 100

120 27.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.29 ug/l

RT: 12.04 min Scan# 3250

Delta R.T. -0.03 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Tgt Ion: 43 Resp: 3994

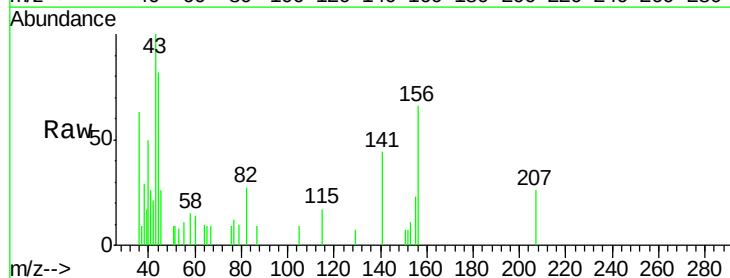
Ion Ratio Lower Upper

43 100

70 0.0 30.3 45.5#

55 3.2 19.4 29.2#

61 0.8 17.8 26.6#

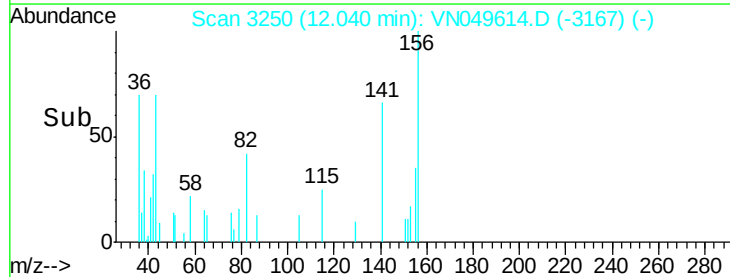
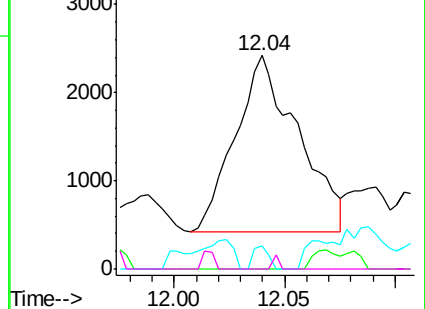


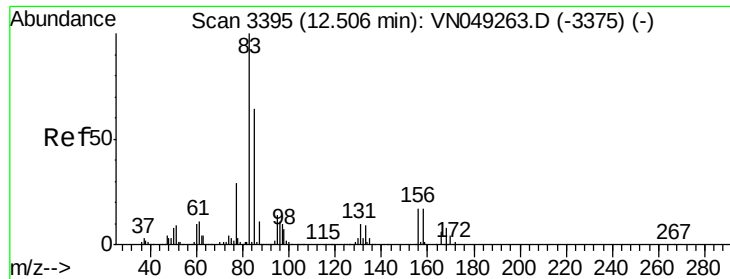
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3389

Delta R.T. -0.02 min

Lab File: VN049614.D

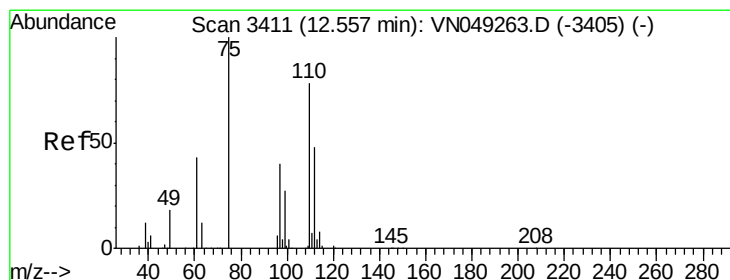
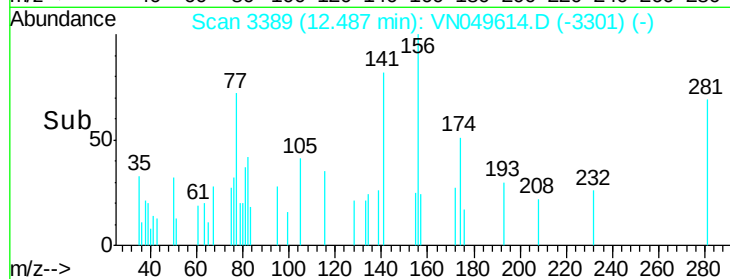
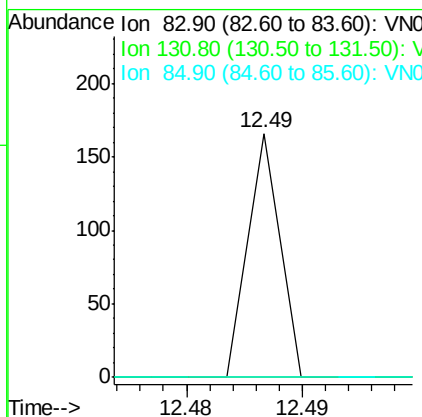
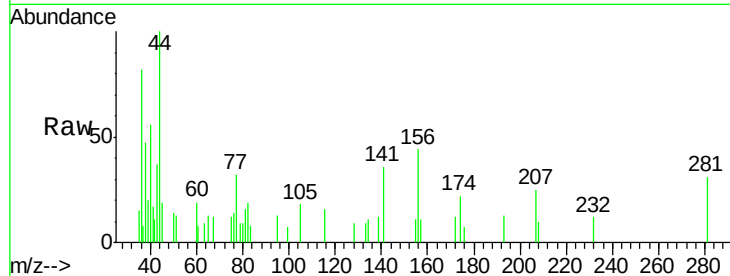
Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampled :

Tot Ion	83	Resp	32
Ion Ratio	100		
Lower		5.0	15.0#
Upper		32.0	96.0#



#76

1,2,3-Trichloropropane

Concen: 31.82 ug/l

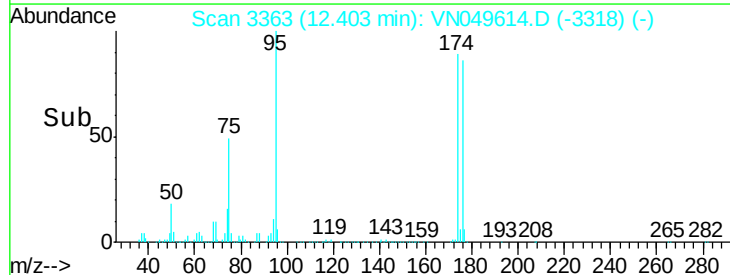
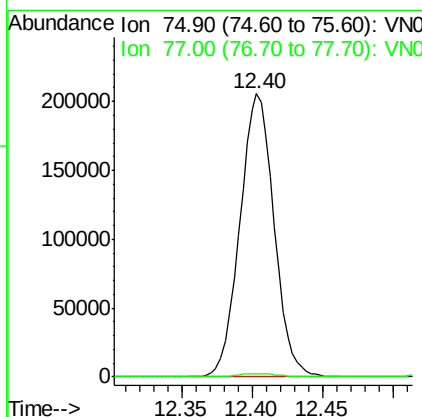
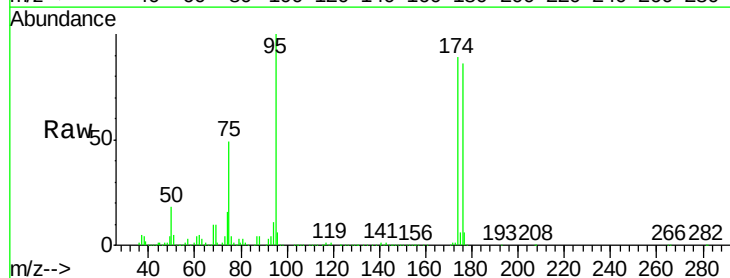
RT: 12.40 min Scan# 3363

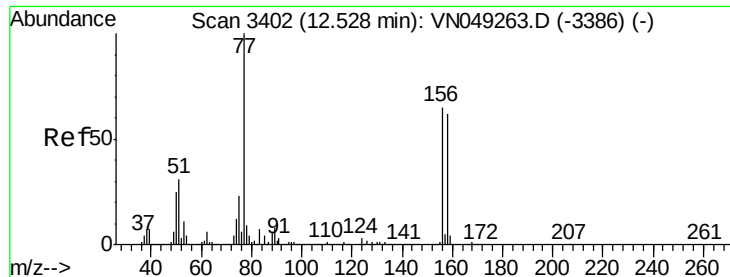
Delta R.T. -0.15 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Tgt Ion	75	Resp	348888
Ion Ratio	100		
Lower		0.0	0.0#
Upper			





#77

Bromobenzene

Concen: 1.21 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.03 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

ClientSampleId :

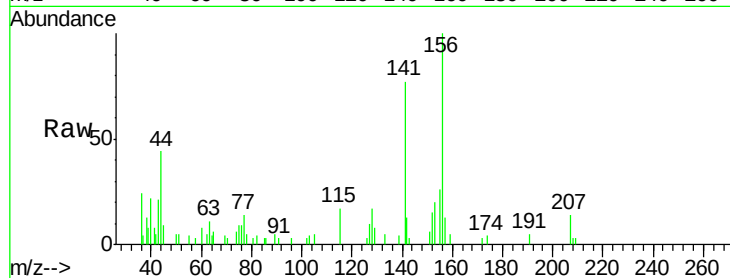
Tot Ion:156 Resp: 18050

Ion Ratio Lower Upper

156 100

77 3.4 100.8 302.4#

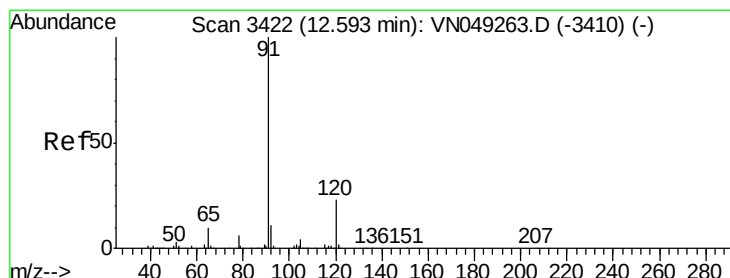
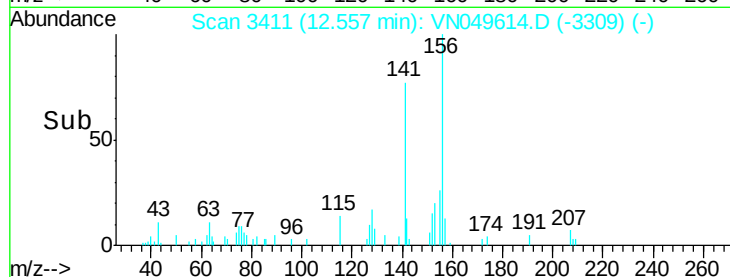
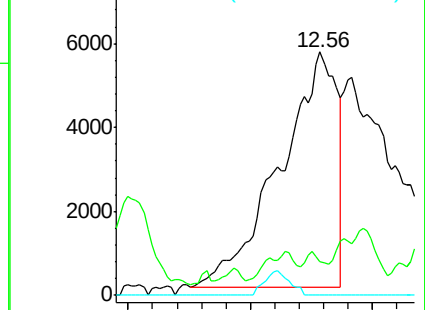
158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.55 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049614.D

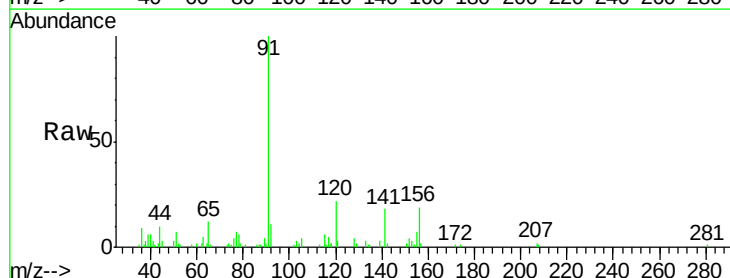
Acq: 29 Jun 2018 2:34

Tgt Ion: 91 Resp: 34315

Ion Ratio Lower Upper

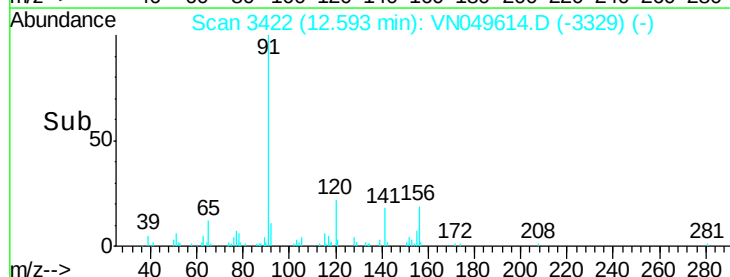
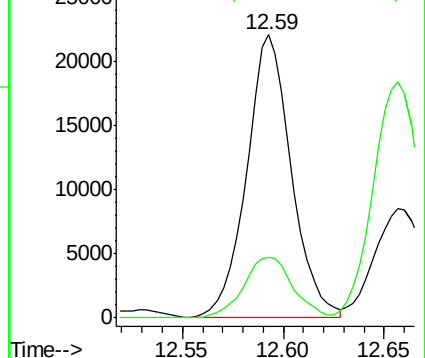
91 100

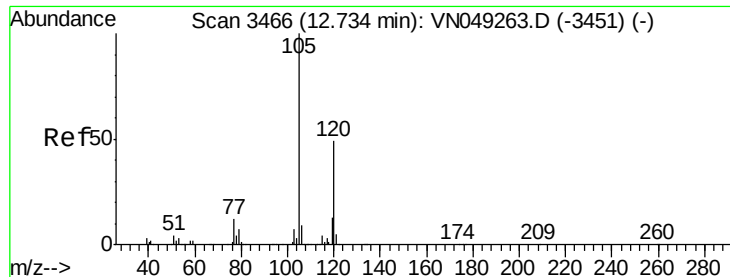
120 23.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.28 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

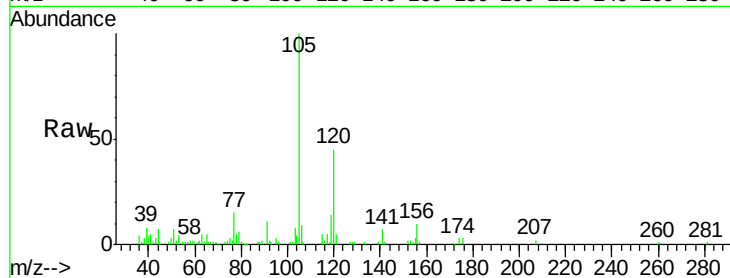
ClientSampleId :

Tot Ion:105 Resp: 56653

Ion Ratio Lower Upper

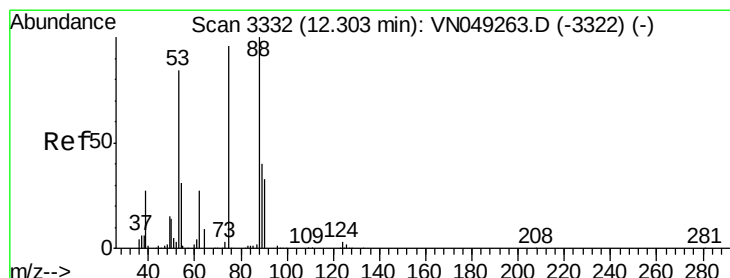
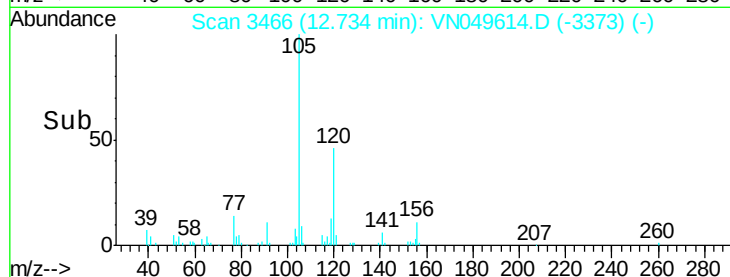
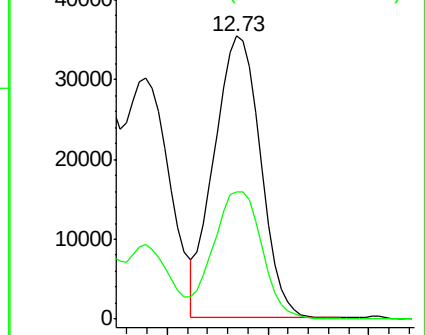
105 100

120 47.1 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 100.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

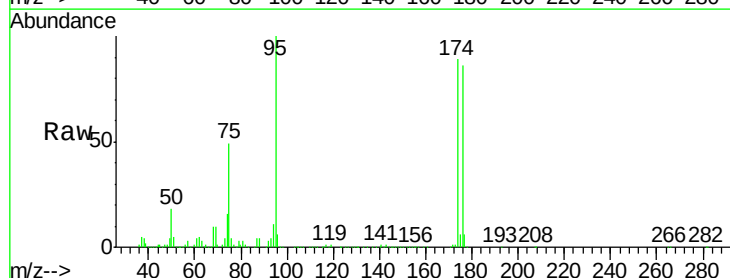
Tgt Ion: 75 Resp: 348888

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

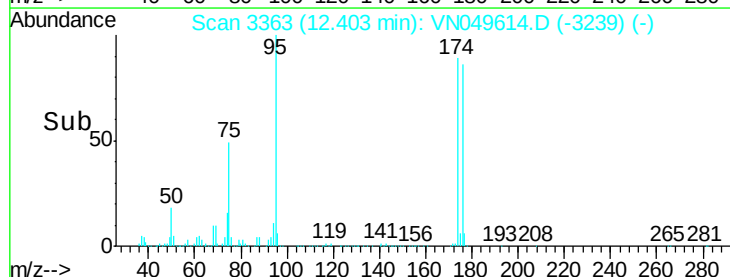
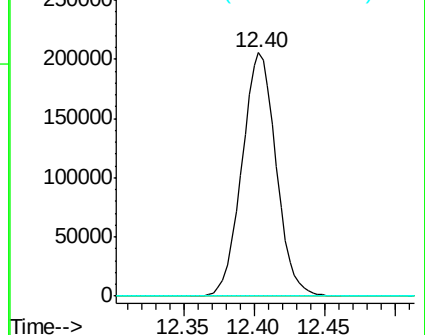
89 0.0 36.5 54.7#

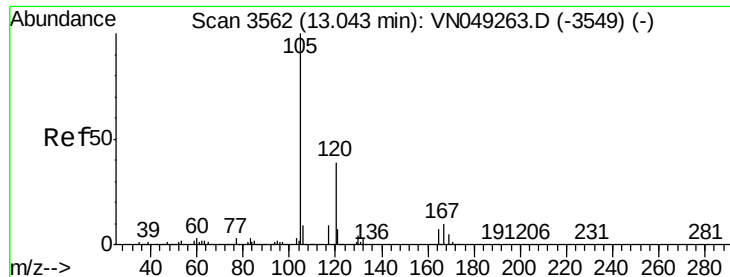


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 4.86 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049614.D

Acq: 29 Jun 2018 2:34

Instrument :

MSVOA_N

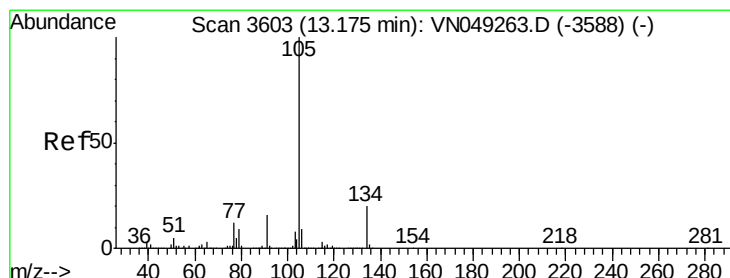
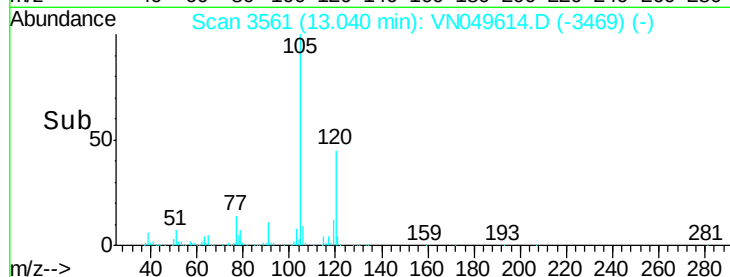
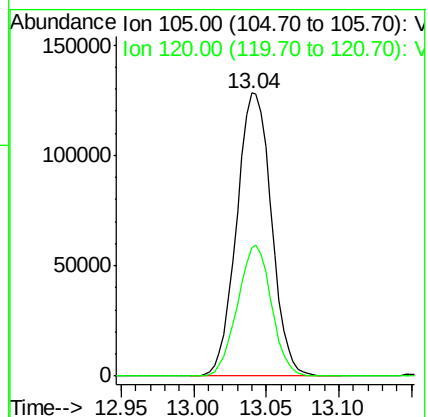
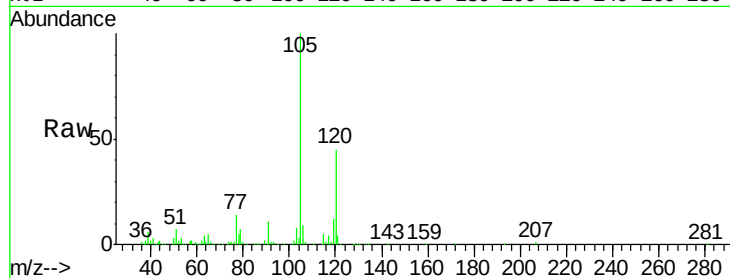
ClientSampled :

Tot Ion:105 Resp: 214008

Ion Ratio Lower Upper

105 100

120 45.1 22.2 66.6



#85

sec-Butylbenzene

Concen: 0.29 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049614.D

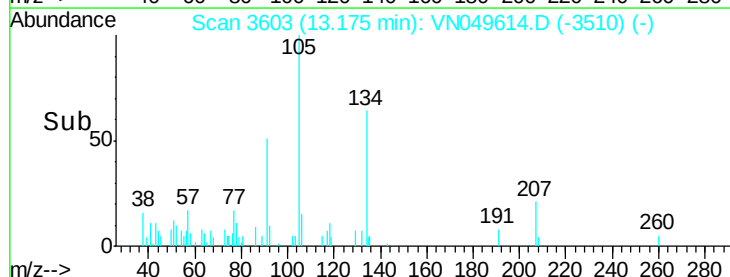
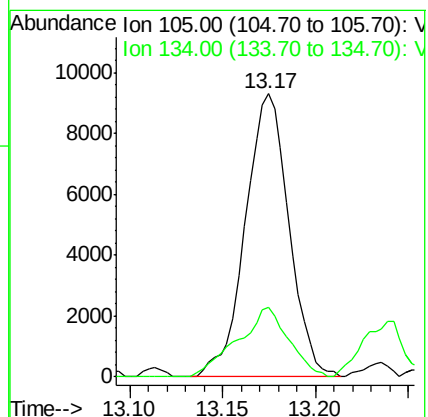
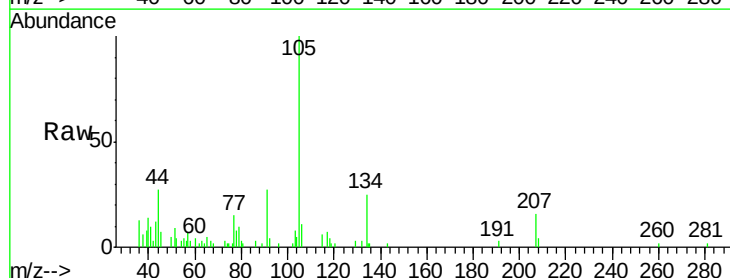
Acq: 29 Jun 2018 2:34

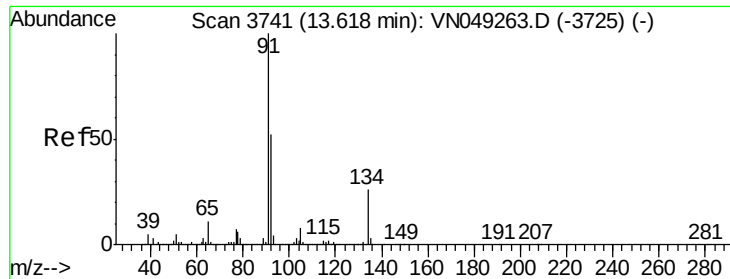
Tgt Ion:105 Resp: 15188

Ion Ratio Lower Upper

105 100

134 28.9 9.8 29.3

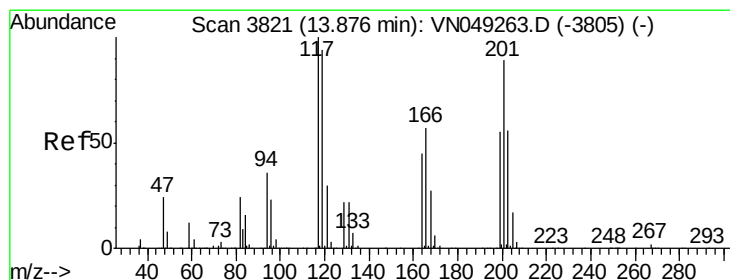
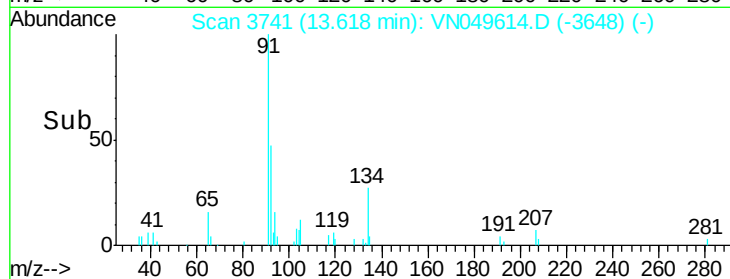
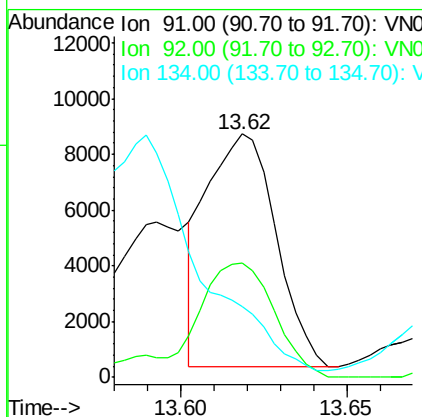
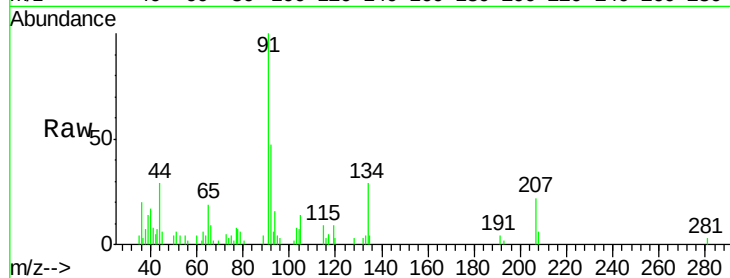




#89
n-Butylbenzene
Concen: 0.36 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

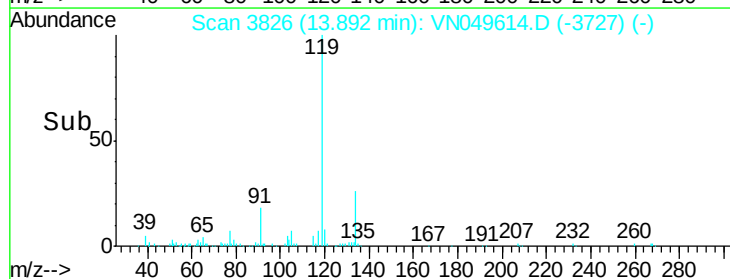
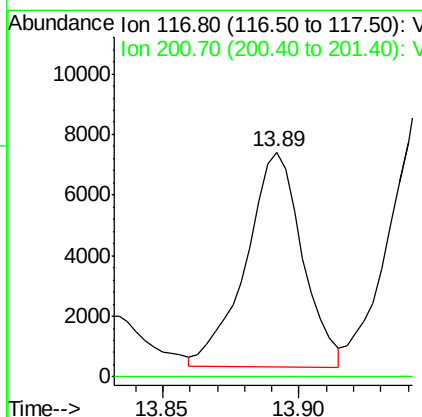
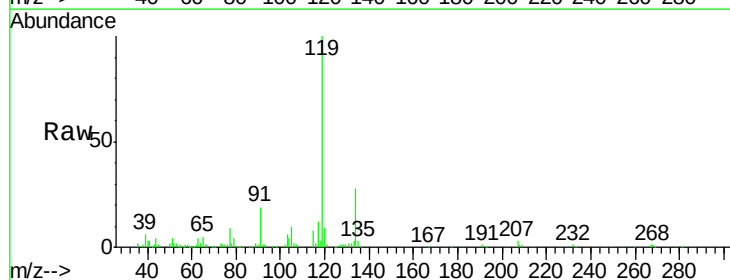
Instrument :
MSVOA_N
ClientSampled :

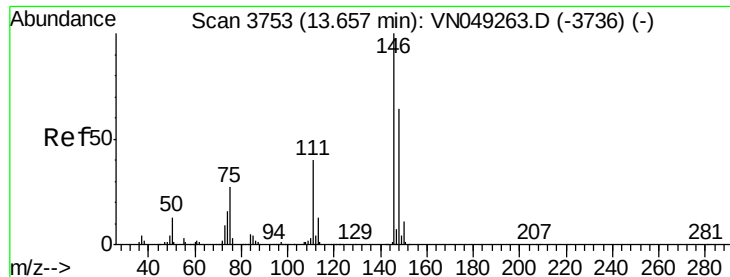
Tot Ion: 91 Resp: 12173
Ion Ratio Lower Upper
91 100
92 51.8 25.1 75.4
134 0.0 12.0 36.0#



#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion: 117 Resp: 10166
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#

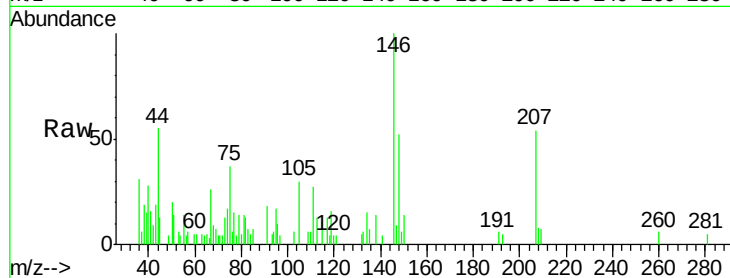




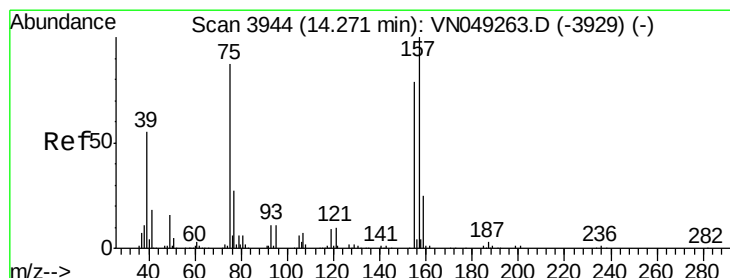
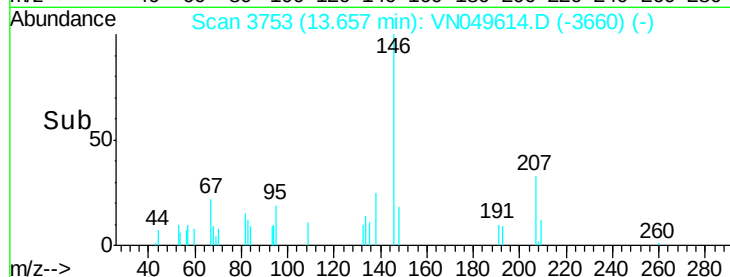
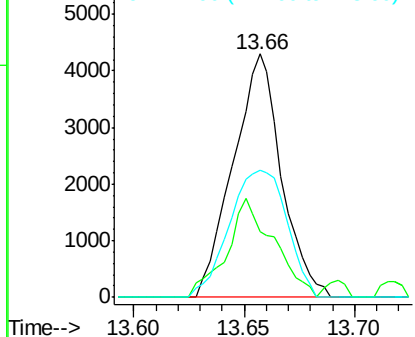
#91
 1,2-Dichlorobenzene
 Concen: 0.27 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN049614.D
 Acq: 29 Jun 2018 2:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 6511
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.8 62.2
 148 62.4 32.0 96.2

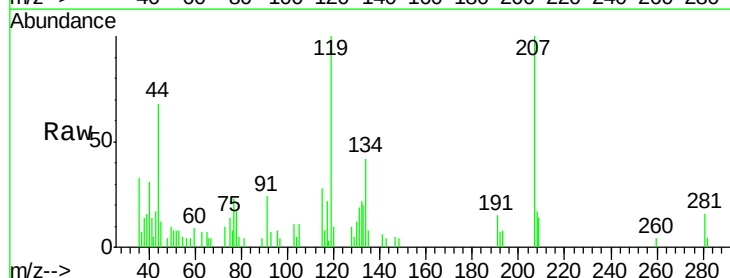


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

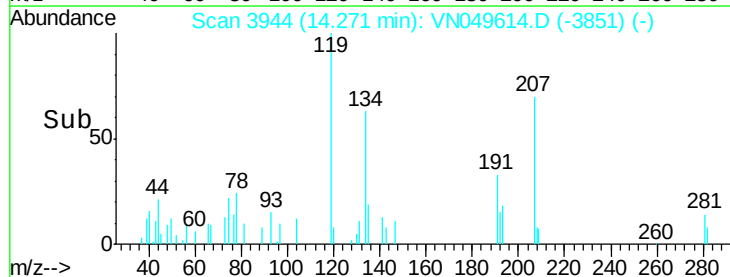
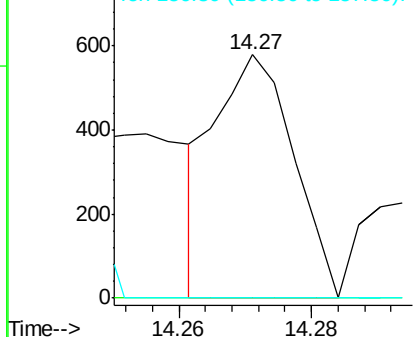


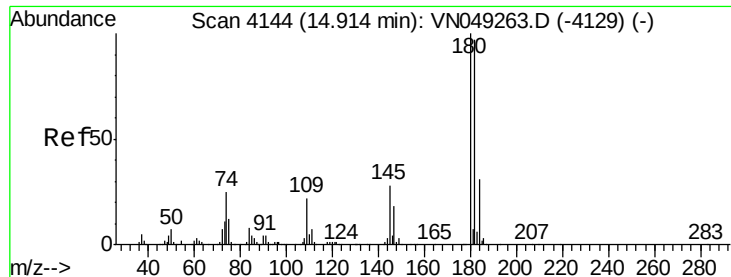
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.24 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049614.D
 Acq: 29 Jun 2018 2:34

Tgt Ion: 75 Resp: 477
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.8 116.3#
 157 0.0 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

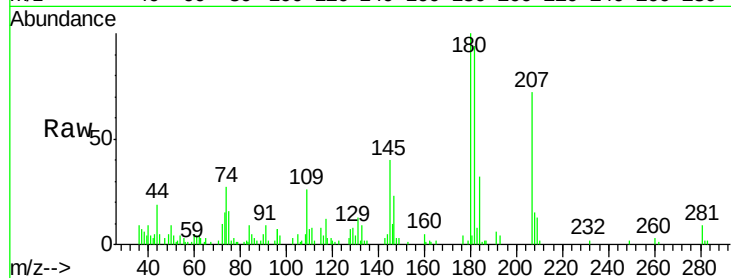




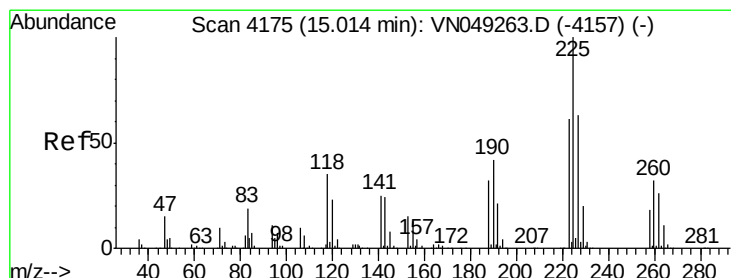
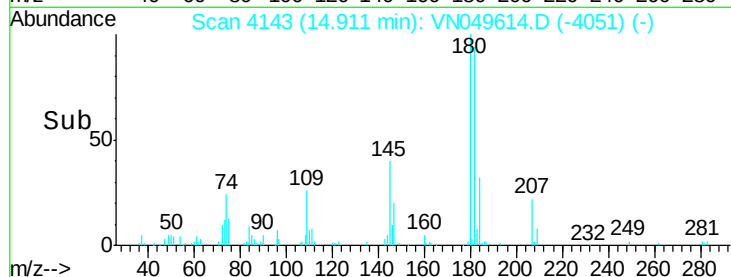
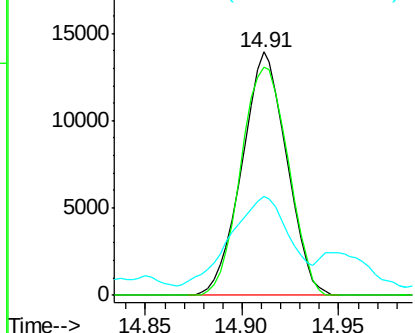
#93
 1,2,4-Trichlorobenzene
 Concen: 6.59 ua/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049614.D
 Acq: 29 Jun 2018 2:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 22434
 Ion Ratio Lower Upper
 180 100
 182 99.1 46.9 140.8
 145 48.2 14.7 44.1#

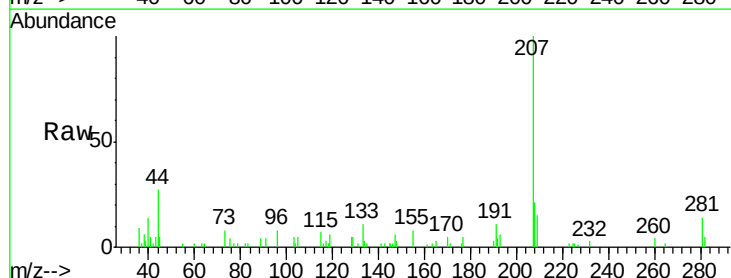


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

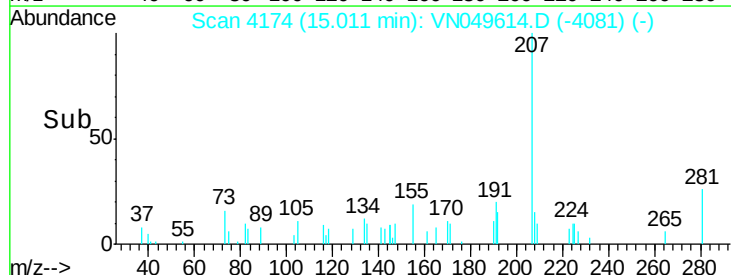
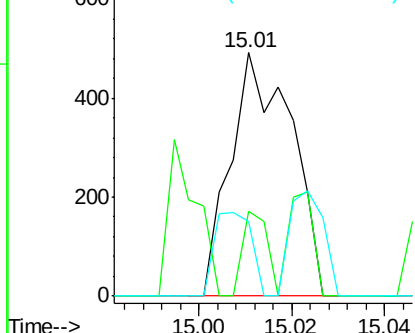


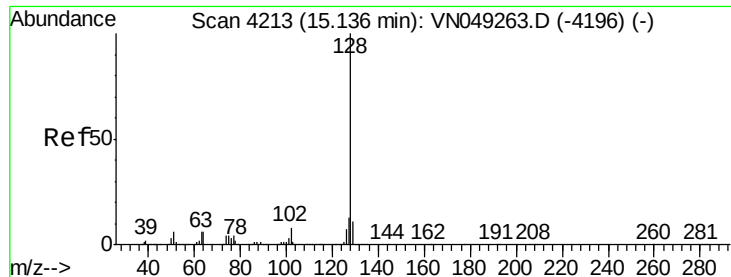
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049614.D
 Acq: 29 Jun 2018 2:34

Tgt Ion:225 Resp: 450
 Ion Ratio Lower Upper
 225 100
 223 13.8 32.1 96.3#
 227 20.9 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

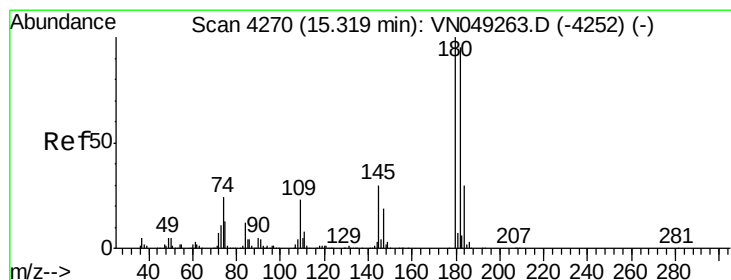
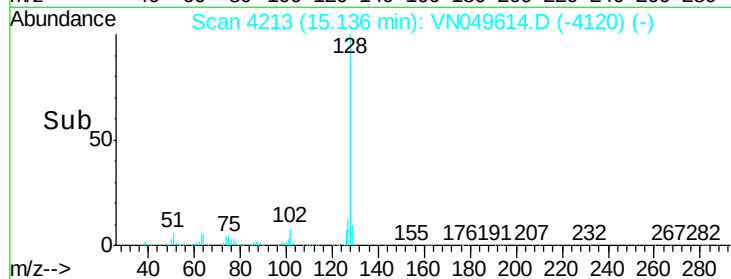
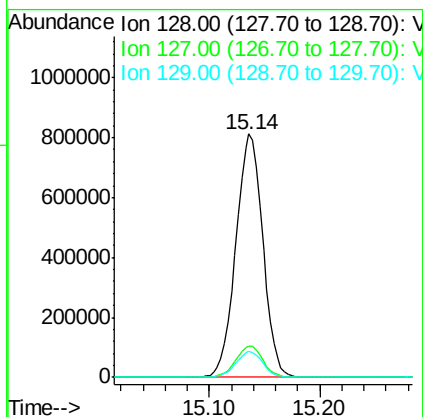
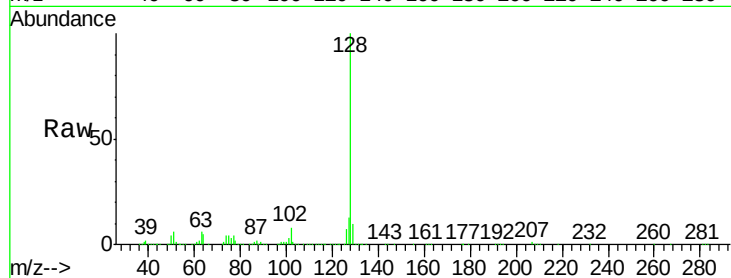




#95
Naphthalene
Concen: 66.61 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 1374461
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 3.92 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049614.D
Acq: 29 Jun 2018 2:34

Tgt Ion:180 Resp: 5373
Ion Ratio Lower Upper
180 100
182 98.8 47.3 141.8
145 68.0 15.6 46.7#

