

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049315.D
 Acq On : 16 Jun 2018 17:46
 Operator : MD\SY
 Sample : J3564-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:19:44 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	1355071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2170671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1789414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	617347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	920397	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.59	113	834150	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	10.09	98	3002007	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	
62) 4-Bromofluorobenzene	12.40	95	804870	36.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.03	85	17429	1.12	ug/l	90
3) Chloromethane	2.06	50	12068	0.60	ug/l #	76
5) Bromomethane	2.57	94	3096	0.28	ug/l #	80
11) Tert butyl alcohol	4.78	59	420	0.40	ug/l #	60
13) Acrolein	3.61	56	257	0.23	ug/l #	1
16) Acetone	3.82	43	6184	1.42	ug/l	98
17) Carbon Disulfide	4.05	76	22928	0.47	ug/l	96
18) Methyl Acetate	4.33	43	24663	1.85	ug/l	98
20) Methylene Chloride	4.55	84	4711	0.26	ug/l	94
31) Cyclohexane	7.67	56	26930	0.84	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	94660	3.80	ug/l #	50
38) Carbon Tetrachloride	7.67	117	124821	4.85	ug/l #	17
43) Isopropyl Acetate	8.21	43	64083	2.48	ug/l #	64
49) 1,4-Dioxane	9.21	88	115	0.68	ug/l #	22
55) 1,1,2-Trichloroethane	10.54	97	6915	0.41	ug/l #	19
56) Ethyl methacrylate	10.43	69	5095	0.26	ug/l #	29
58) 2-Chloroethyl Vinyl ether	9.64	63	29	14.33	ug/l #	51
59) 2-Hexanone	10.72	43	6953	0.80	ug/l #	27
71) Bromoform	12.40	173	6065	0.54	ug/l #	1
73) Isopropylbenzene	12.25	105	18185	0.34	ug/l	100
74) N-amyl acetate	12.04	43	2878	0.22	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.46	83	604	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	386265	36.67	ug/l #	100
78) n-propylbenzene	12.59	91	19867	0.33	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	386265	115.90	ug/l #	9
83) tert-Butylbenzene	13.00	119	30101	0.80	ug/l	95
85) sec-Butylbenzene	13.17	105	69610	1.39	ug/l #	29
86) p-Isopropyltoluene	13.44	119	113563	2.71	ug/l	96
89) n-Butylbenzene	13.62	91	9792	0.30	ug/l	90
90) Hexachloroethane	14.00	117	302931	37.72	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.91	180	1576	4.88	ug/l #	1
94) Hexachlorobutadiene	15.01	225	2358	Below	Cal	87
95) Naphthalene	15.14	128	3071	2.26	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	619	3.51	ug/l #	1

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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

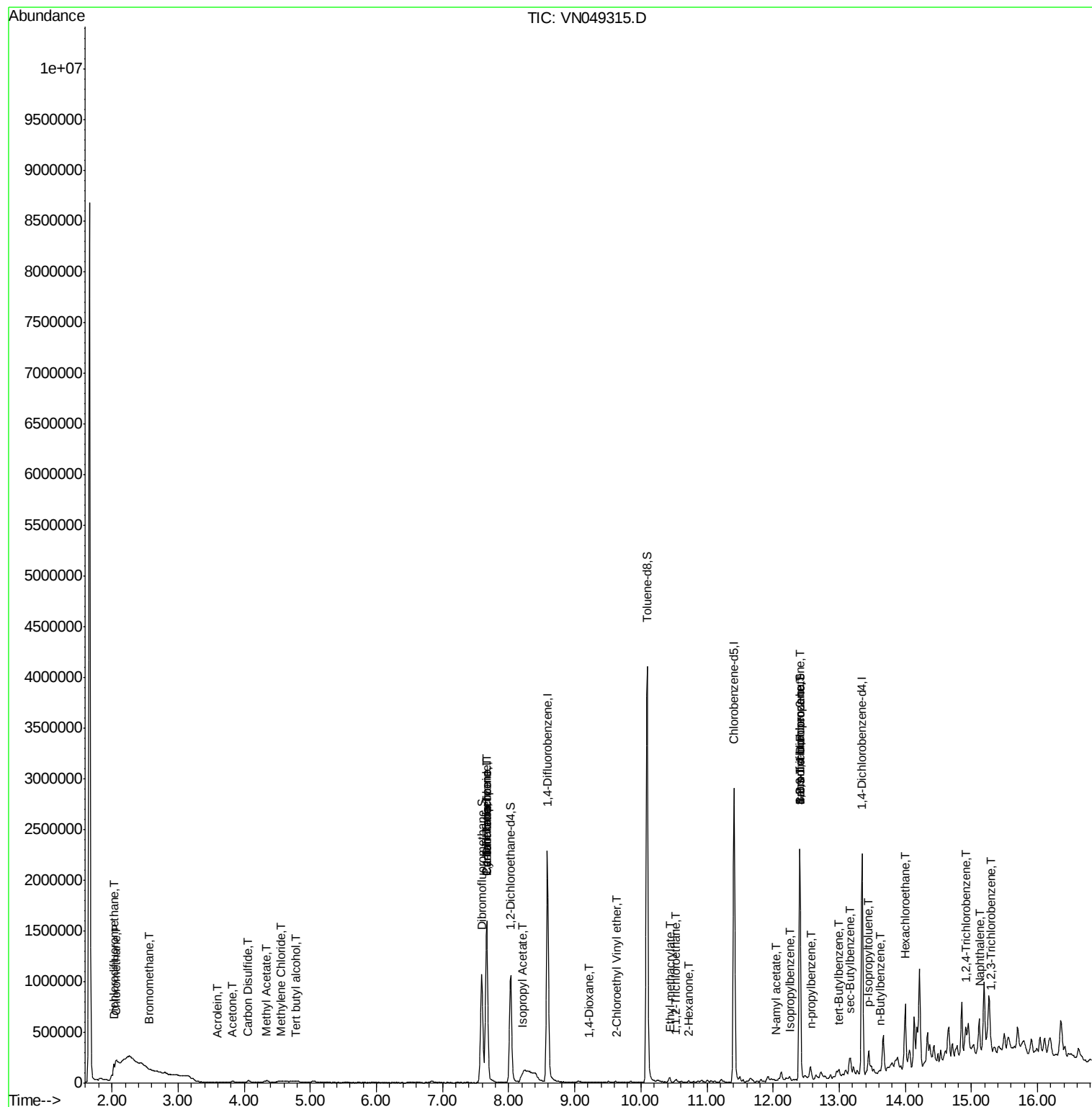
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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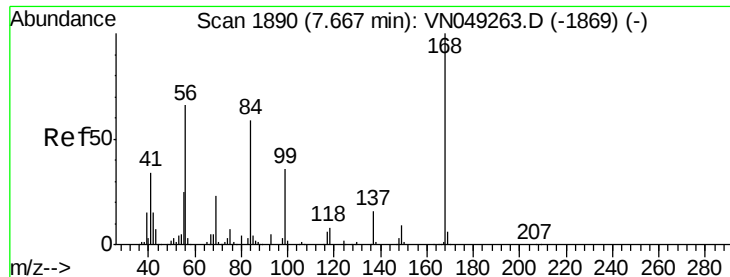
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049315.D

Acq: 16 Jun 2018 17:46

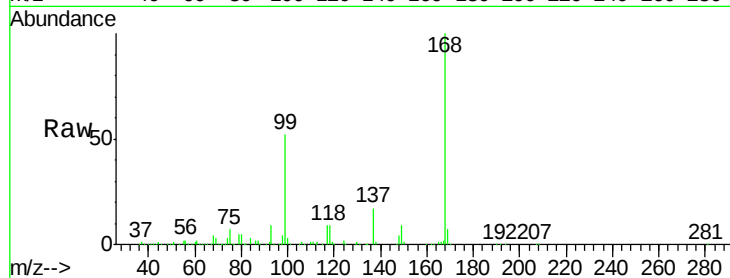
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1355071

Ion Ratio Lower Upper

168 100

99 51.8 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

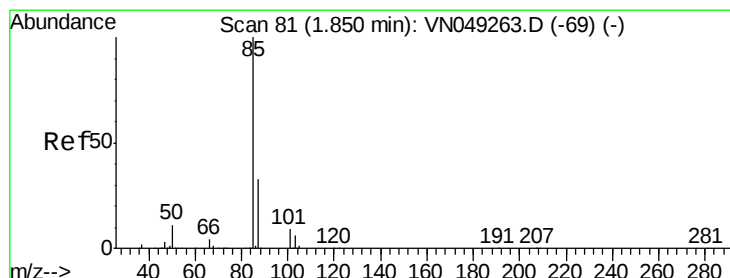
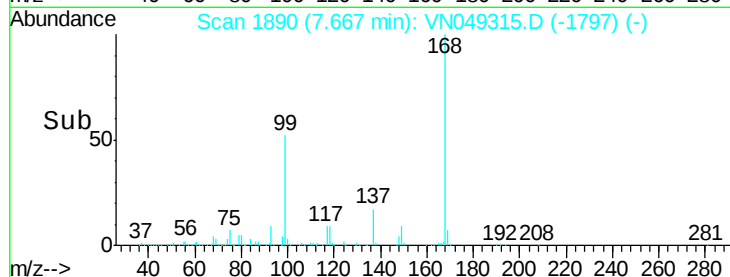
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 1.12 ug/l

RT: 2.03 min Scan# 136

Delta R.T. 0.18 min

Lab File: VN049315.D

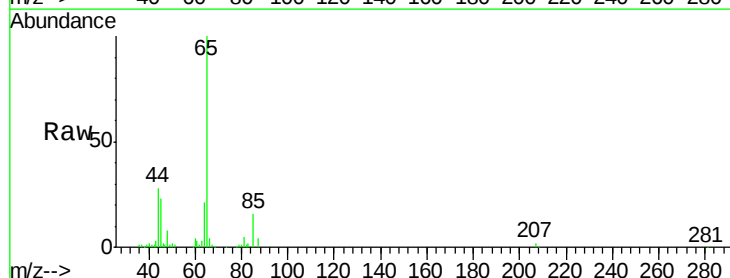
Acq: 16 Jun 2018 17:46

Tgt Ion: 85 Resp: 17429

Ion Ratio Lower Upper

85 100

87 26.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

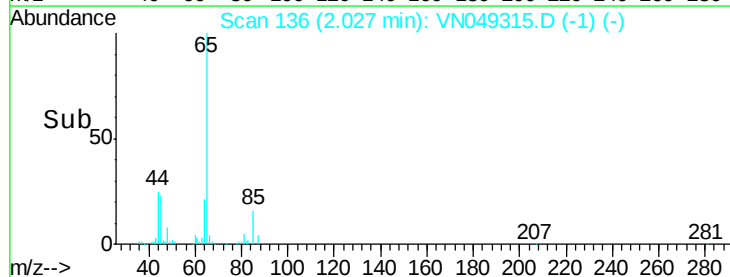
2.03

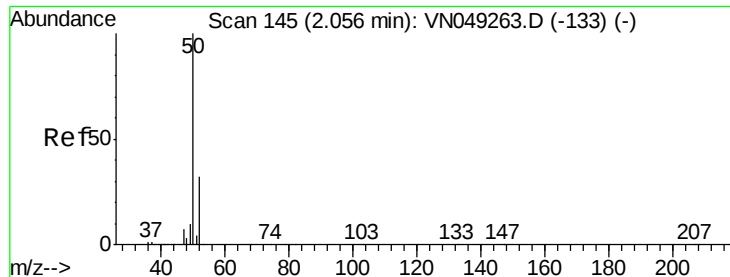
10000

5000

0

Time--> 2.00 2.05





#3

Chloromethane

Concen: 0.60 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Instrument :

MSVOA_N

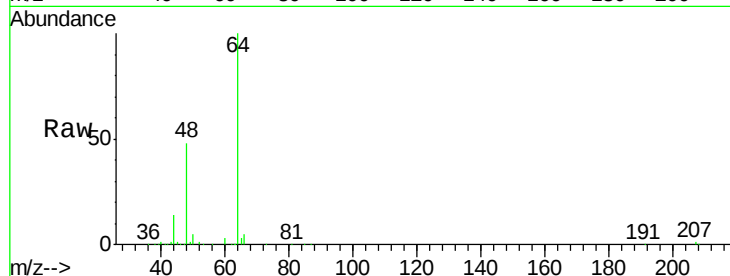
ClientSampleId :

Tot Ion: 50 Resp: 12068

Ion Ratio Lower Upper

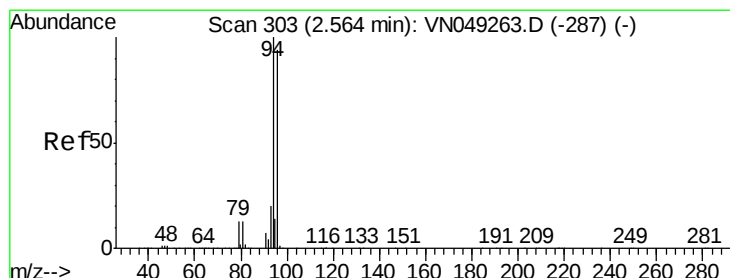
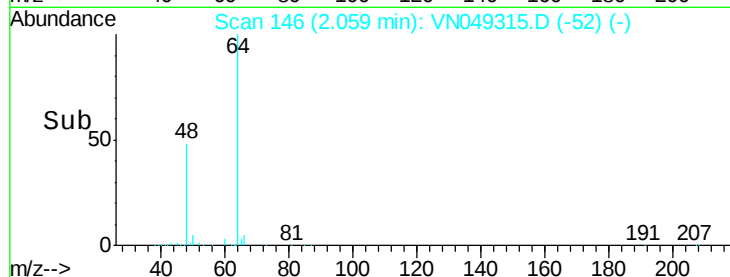
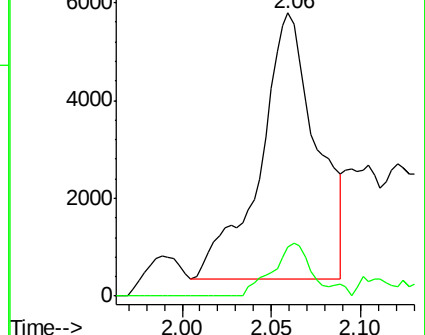
50 100

52 18.5 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VN049263.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN049315.D (-52) (-)



#5

Bromomethane

Concen: 0.28 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049315.D

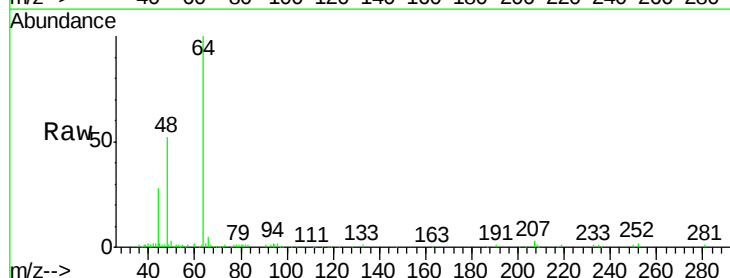
Acq: 16 Jun 2018 17:46

Tgt Ion: 94 Resp: 3096

Ion Ratio Lower Upper

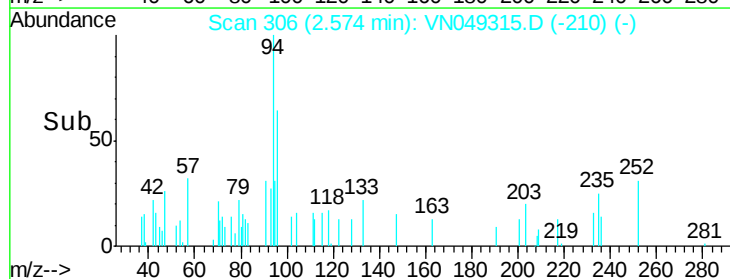
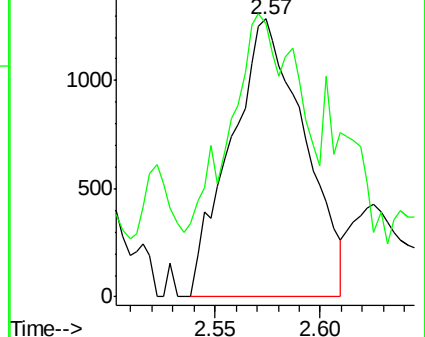
94 100

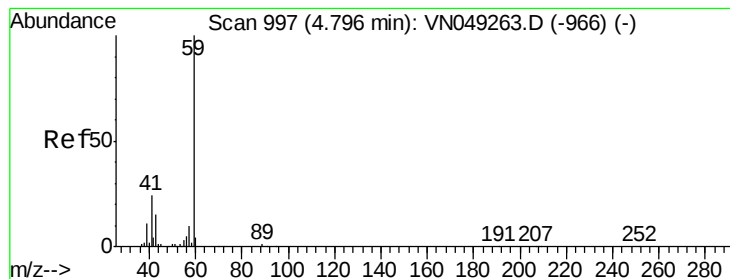
96 71.8 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN049263.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN049315.D (-210) (-)



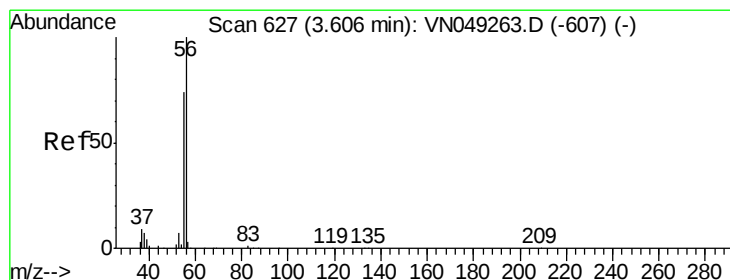
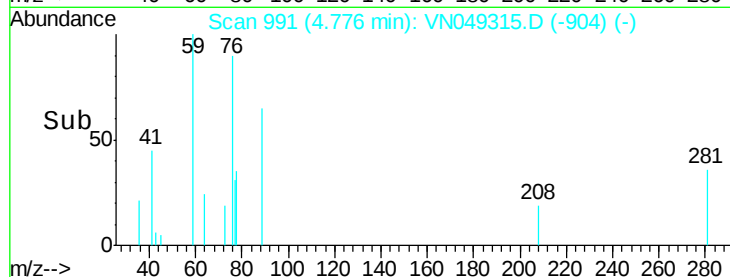
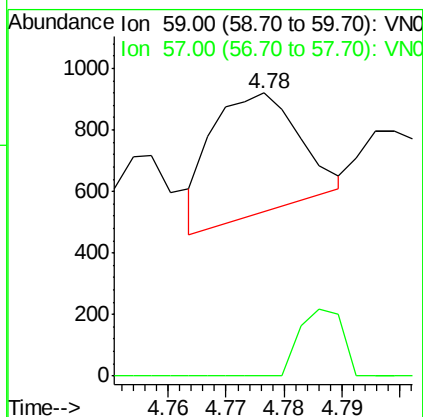
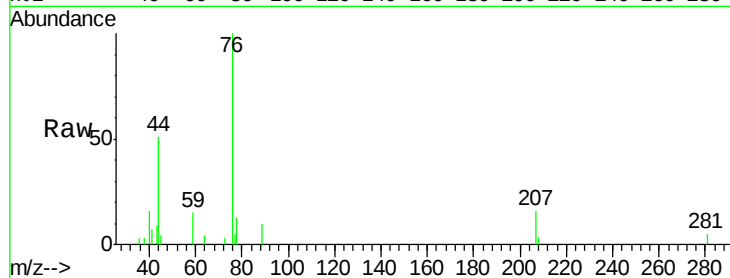


#11

Tert butyl alcohol
 Concen: 0.40 ug/l
 RT: 4.78 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VN049315.D
 Acq: 16 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampled :

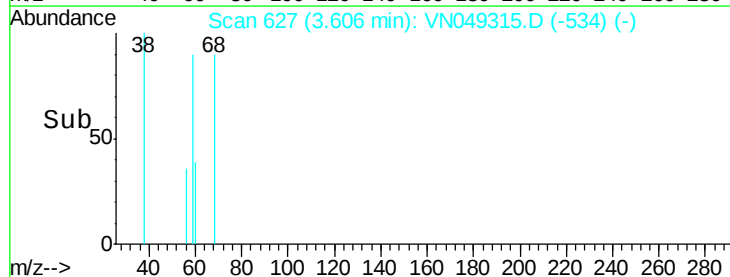
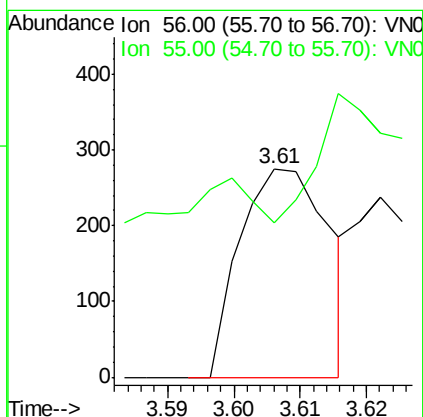
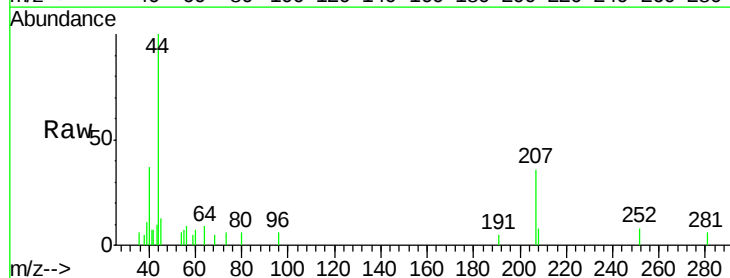
Tot Ion: 59 Resp: 420
 Ion Ratio Lower Upper
 59 100
 57 26.7 9.0 13.6#

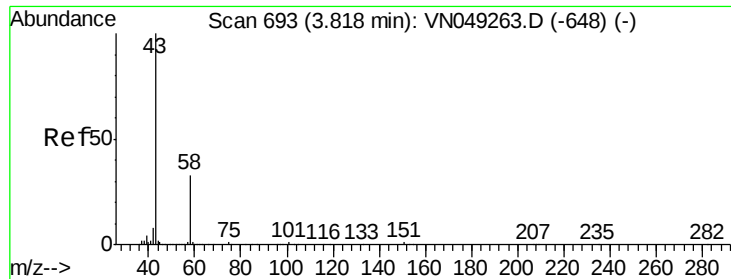


#13

Acrolein
 Concen: 0.23 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN049315.D
 Acq: 16 Jun 2018 17:46

Tgt Ion: 56 Resp: 257
 Ion Ratio Lower Upper
 56 100
 55 173.5 57.1 85.7#

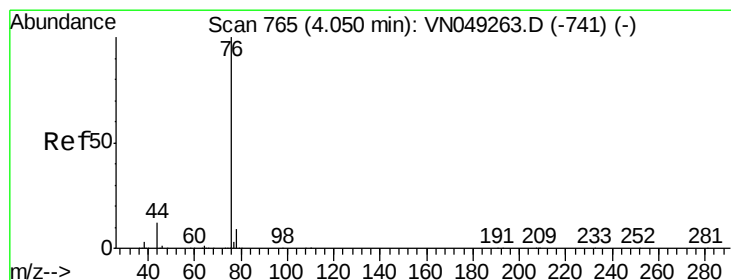
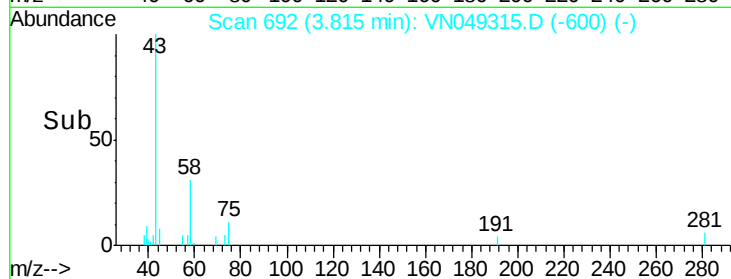
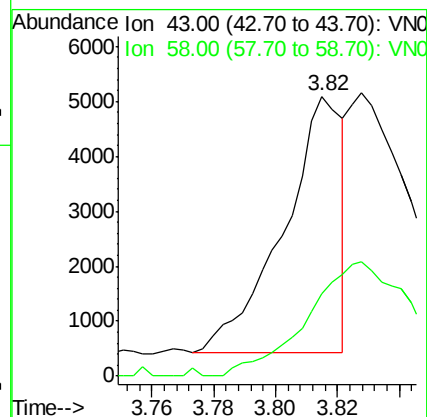
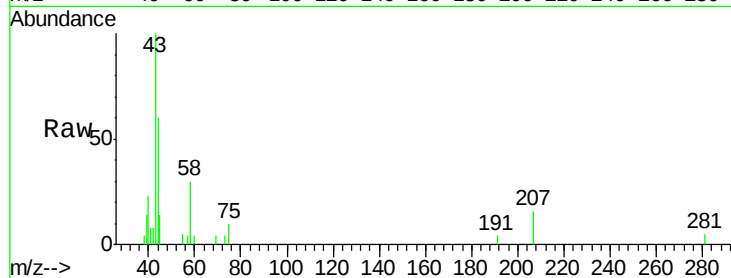




#16
Acetone
Concen: 1.42 ug/l
RT: 3.82 min Scan# 692
Delta R.T. -0.00 min
Lab File: VN049315.D
Acq: 16 Jun 2018 17:46

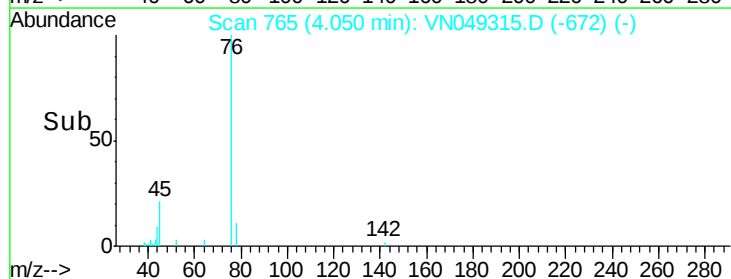
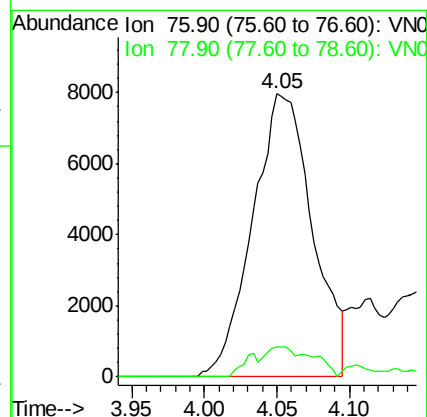
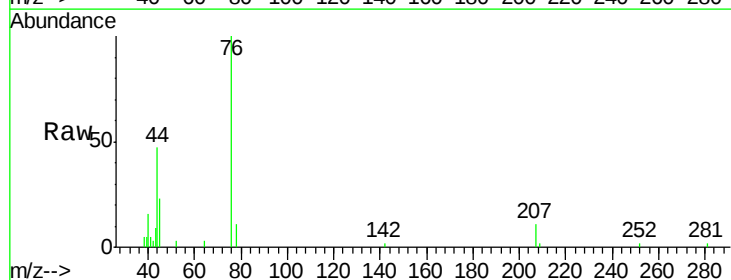
Instrument :
MSVOA_N
ClientSampled :

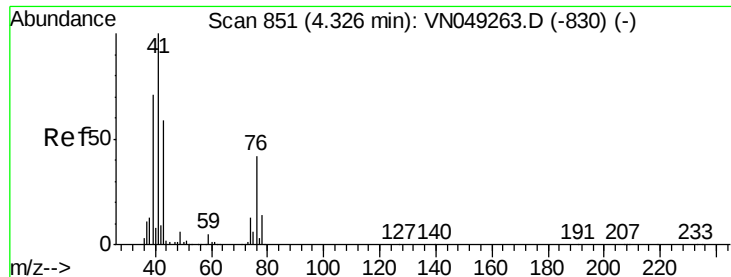
Tot Ion: 43 Resp: 6184
Ion Ratio Lower Upper
43 100
58 29.0 22.4 33.6



#17
Carbon Disulfide
Concen: 0.47 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049315.D
Acq: 16 Jun 2018 17:46

Tgt Ion: 76 Resp: 22928
Ion Ratio Lower Upper
76 100
78 10.6 7.4 11.0

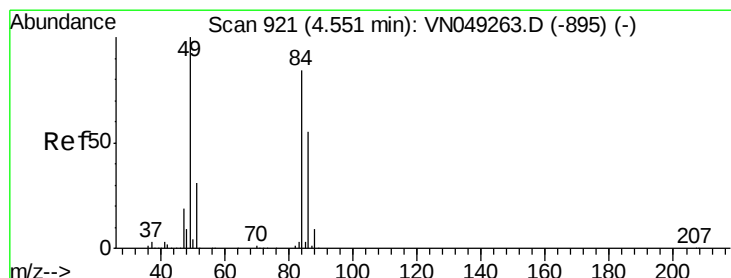
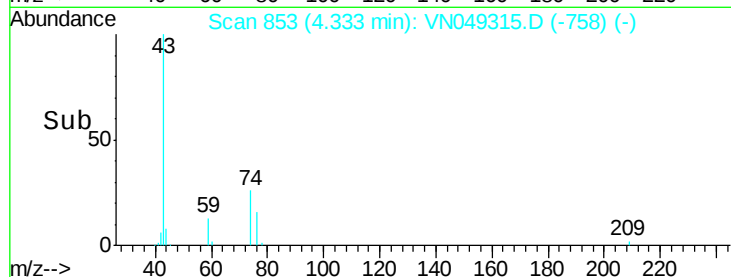
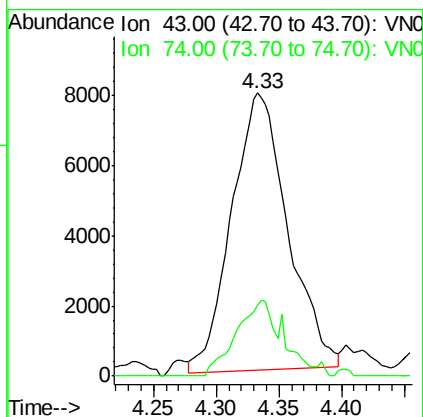
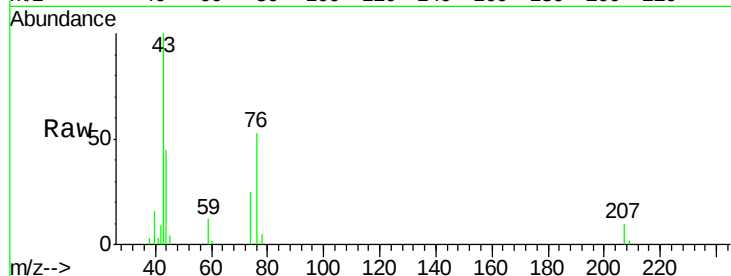




#18
Methvl Acetate
Concen: 1.85 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049315.D
Acq: 16 Jun 2018 17:46

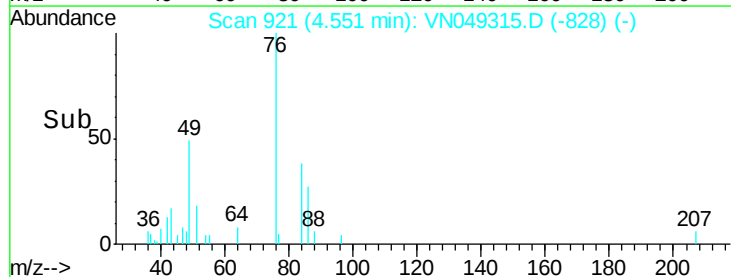
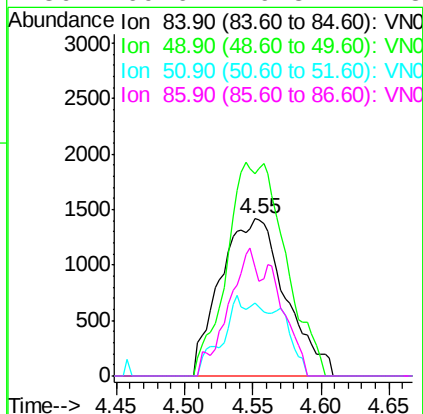
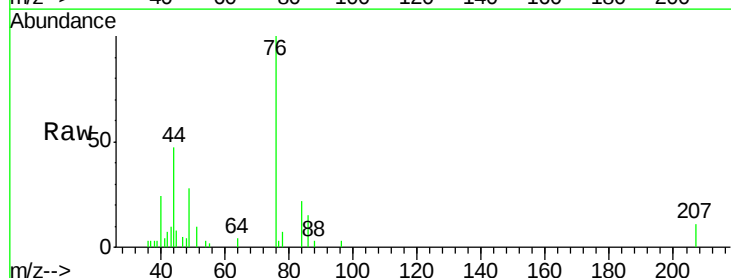
Instrument :
MSVOA_N
ClientSampleId :

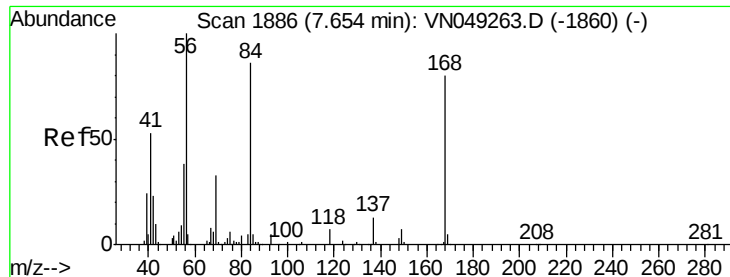
Tot Ion: 43 Resp: 24663
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.0



#20
Methylene Chloride
Concen: 0.26 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049315.D
Acq: 16 Jun 2018 17:46

Tgt Ion: 84 Resp: 4711
Ion Ratio Lower Upper
84 100
49 128.4 106.9 160.3
51 46.3 32.7 49.1
86 69.6 49.8 74.8





#31

Cyclohexane

Concen: 0.84 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampled :

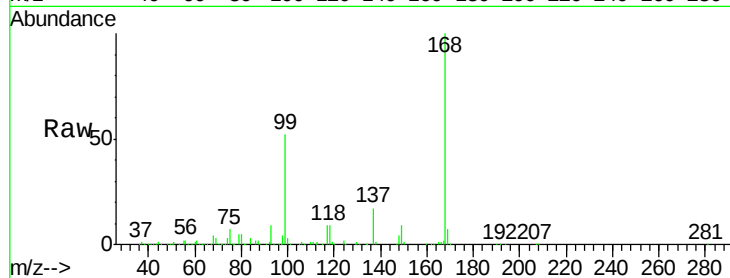
Tot Ion: 56 Resp: 26930

Ion Ratio Lower Upper

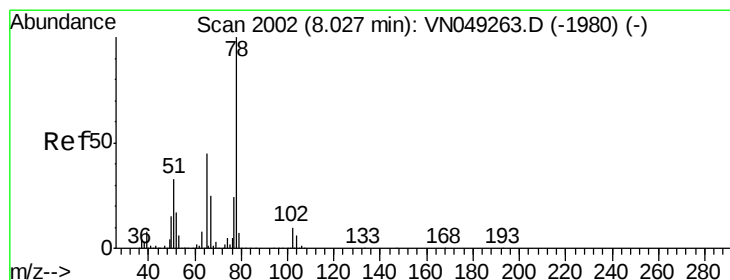
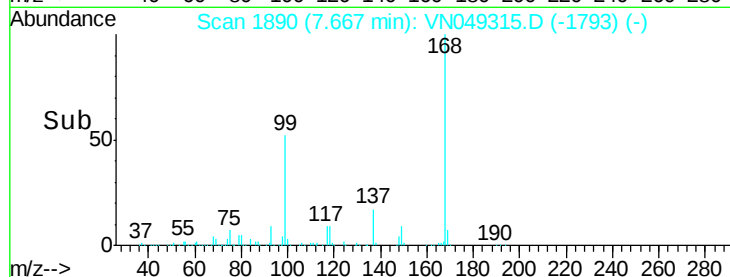
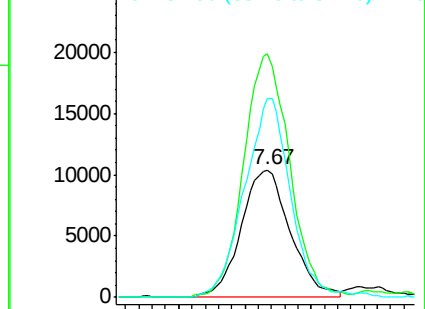
56 100

69 190.6 25.0 37.4#

84 156.1 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: 51.21 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049315.D

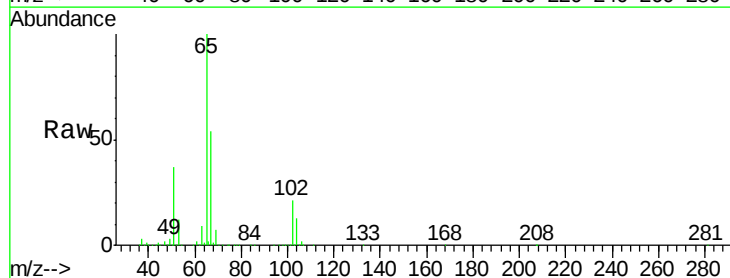
Acq: 16 Jun 2018 17:46

Tgt Ion: 65 Resp: 920397

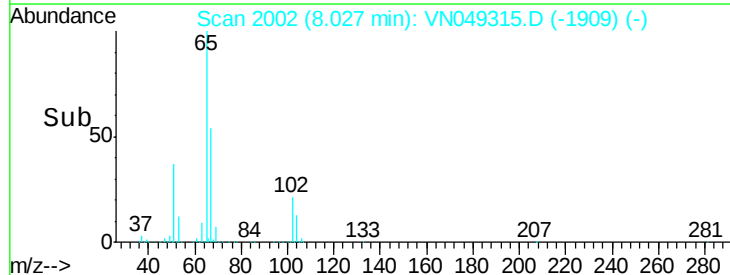
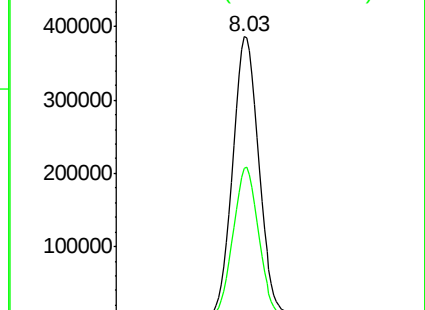
Ion Ratio Lower Upper

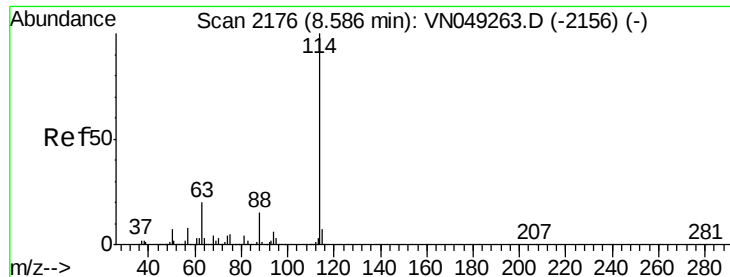
65 100

67 53.3 0.0 103.8



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

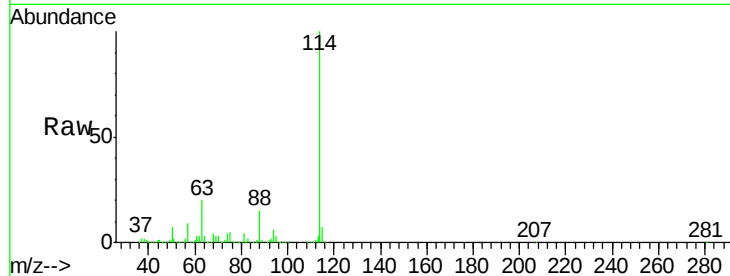




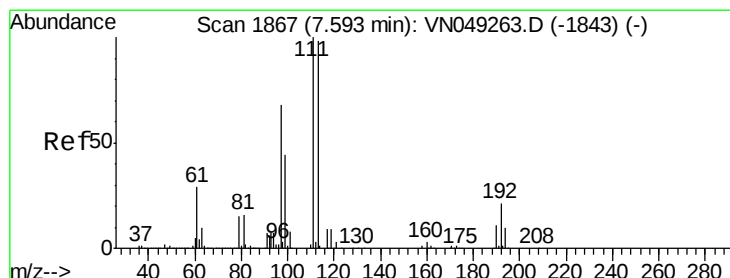
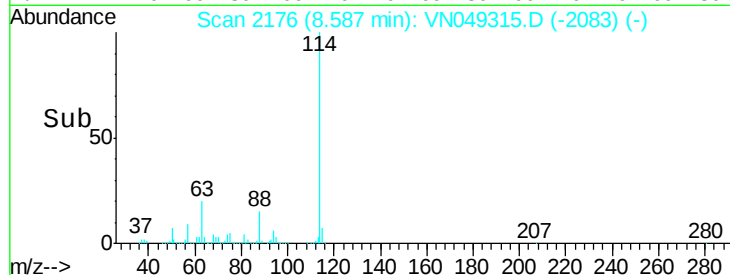
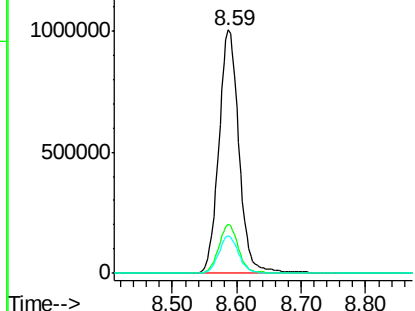
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049315.D
 Acq: 16 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 2170671
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.4 0.0 31.4

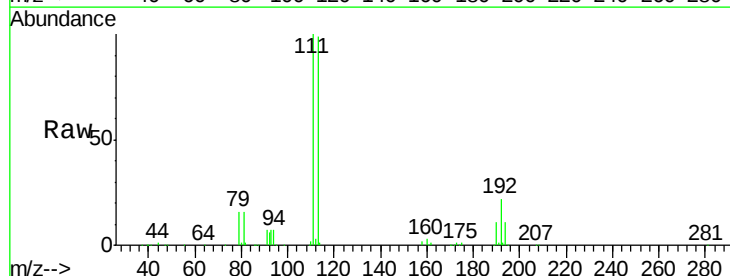


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

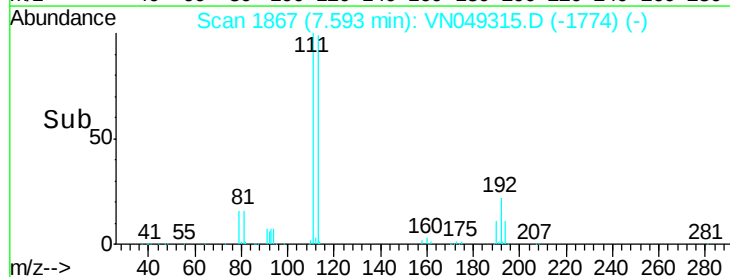
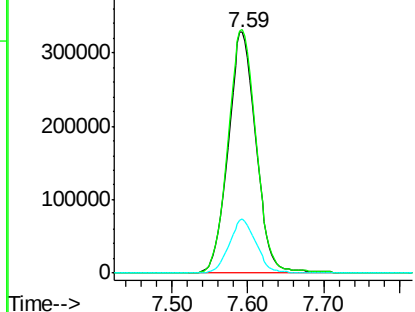


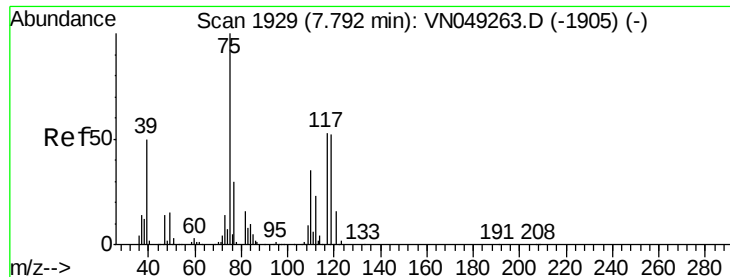
#35
 Dibromofluoromethane
 Concen: 47.50 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049315.D
 Acq: 16 Jun 2018 17:46

Tgt Ion:113 Resp: 834150
 Ion Ratio Lower Upper
 113 100
 111 102.5 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: 3.80 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Instrument :
MSVOA_N
ClientSampled :

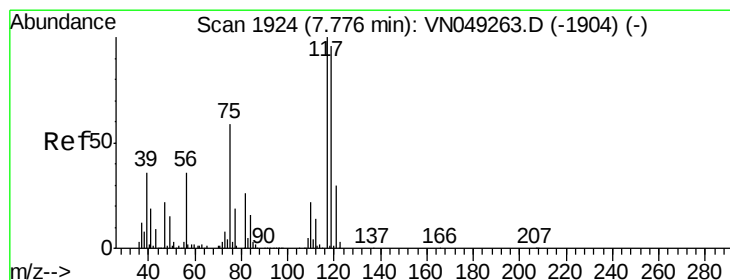
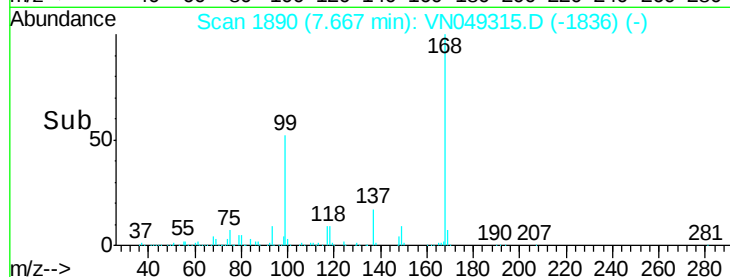
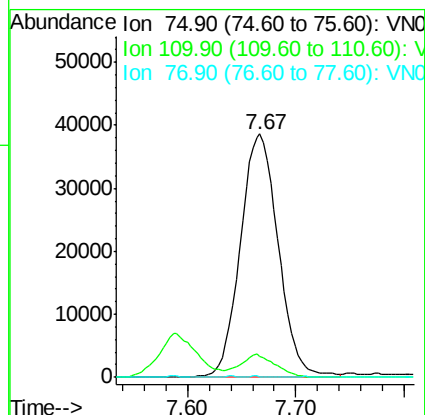
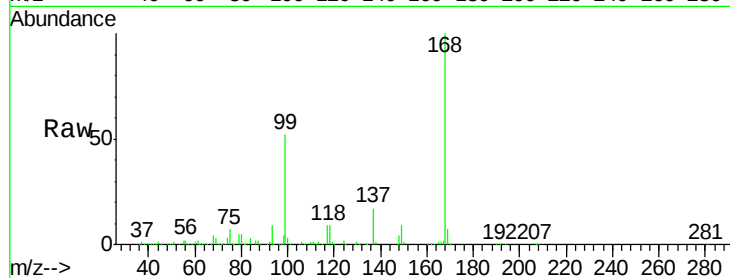
Tot Ion: 75 Resp: 94660

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.1 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.85 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

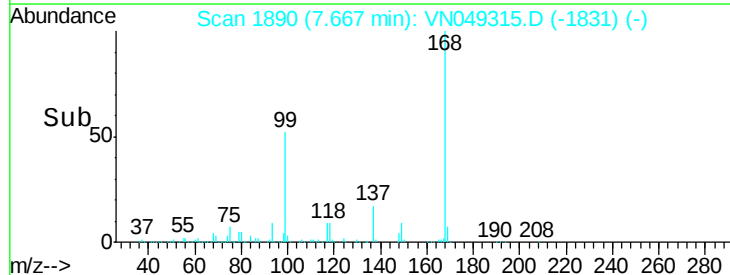
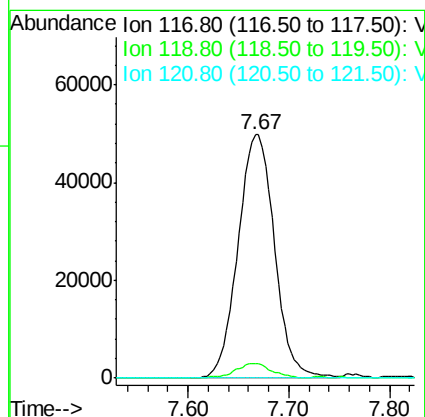
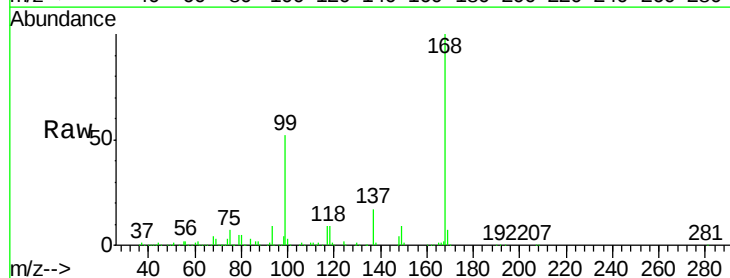
Tgt Ion: 117 Resp: 124821

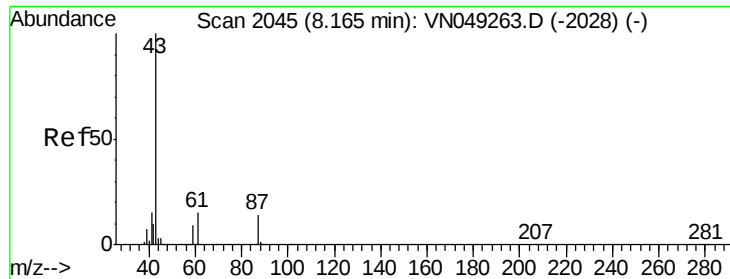
Ion Ratio Lower Upper

117 100

119 5.8 75.6 113.4#

121 0.0 24.7 37.1#



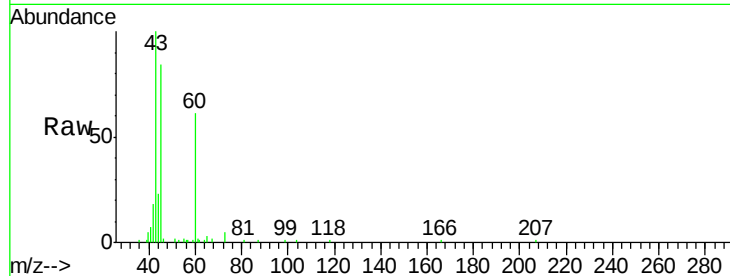


#43

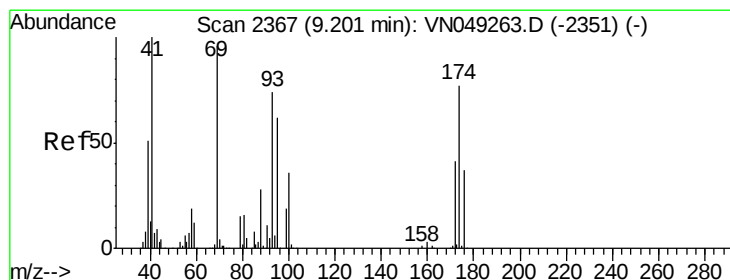
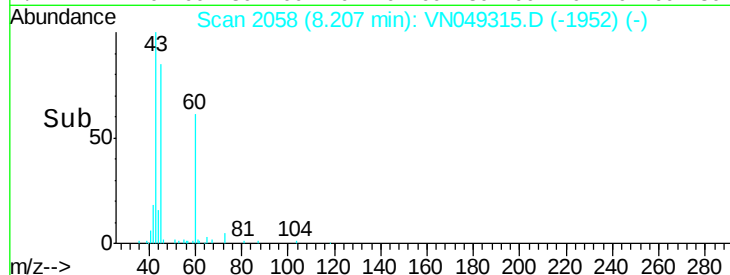
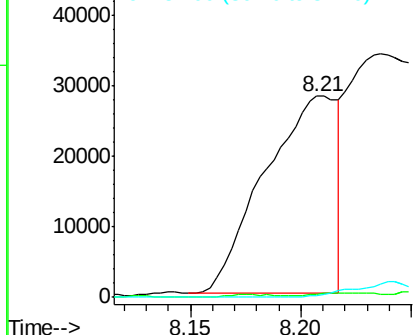
Isopropyl Acetate
 Concen: 2.48 ug/l
 RT: 8.21 min Scan# 2058
 Delta R.T. 0.04 min
 Lab File: VN049315.D
 Acq: 16 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	43	Resp	64083
Ion Ratio	100		
Lower	14.2		
Upper	21.4#		
61	0.0		
87	0.0		
	9.4		



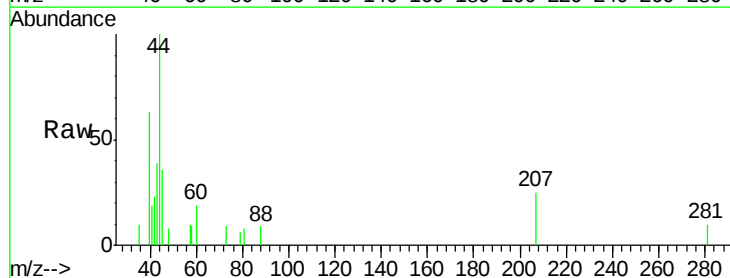
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



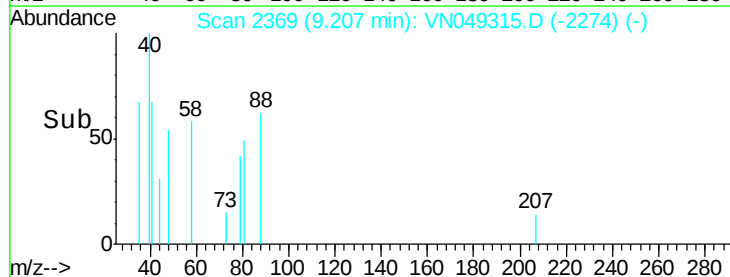
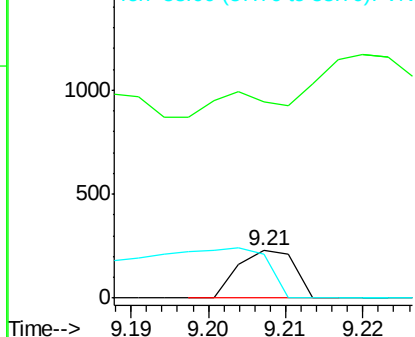
#49

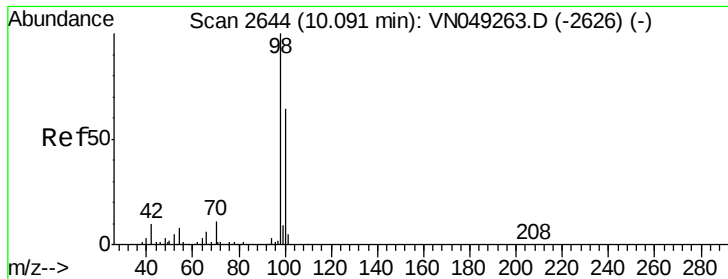
1,4-Dioxane
 Concen: 0.68 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. 0.01 min
 Lab File: VN049315.D
 Acq: 16 Jun 2018 17:46

Tgt Ion	88	Resp	115
Ion Ratio	100		
Lower	30.9		
Upper	46.3#		
43	74.8		
58	0.0		
	58.9		



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





#50

Toluene-d8

Concen: 44.89 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Instrument :

MSVOA_N

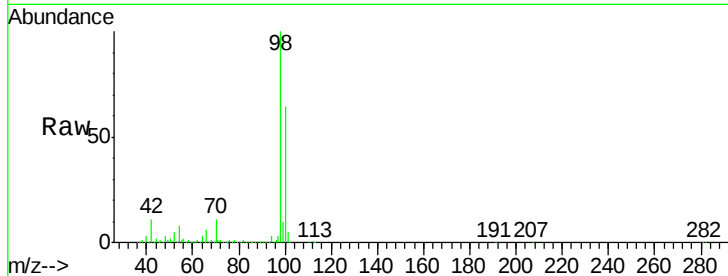
ClientSampleId :

Tot Ion: 98 Resp: 3002007

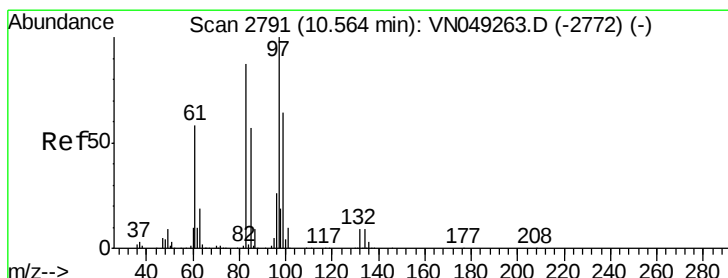
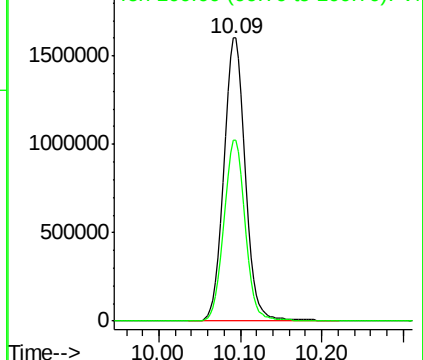
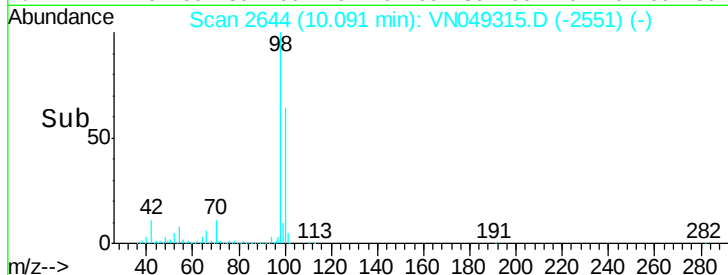
Ion Ratio Lower Upper

98 100

100 63.7 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049315.D (-2551) (-)



#55

1,1,2-Trichloroethane

Concen: 0.41 ug/l

RT: 10.54 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Tgt Ion: 97 Resp: 6915

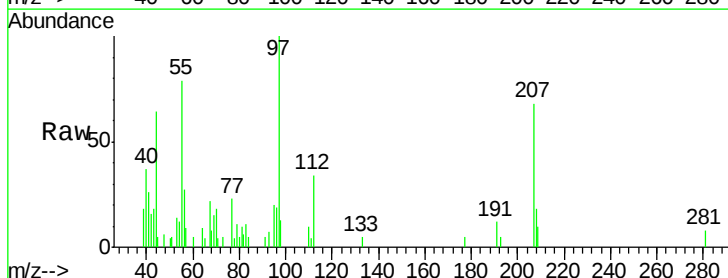
Ion Ratio Lower Upper

97 100

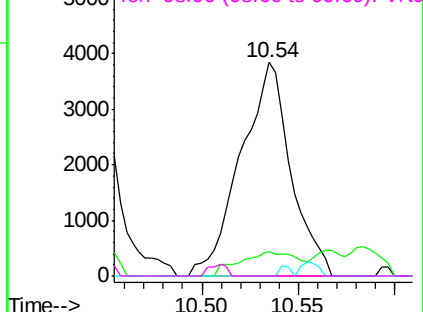
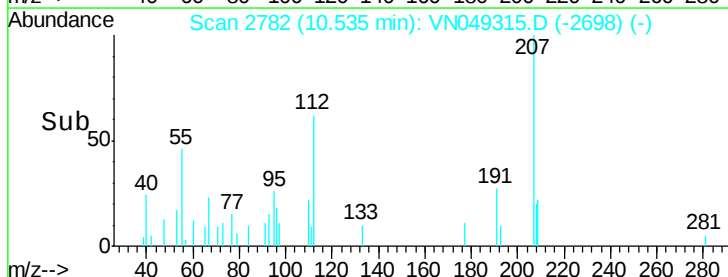
83 11.4 71.5 107.3#

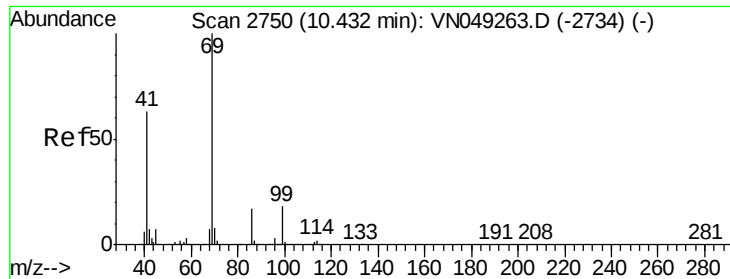
85 0.0 47.0 70.4#

99 0.0 51.4 77.2#



Abundance Ion 96.90 (96.60 to 97.60): VN049315.D (-2698) (-)





#56

Ethyl methacrylate

Concen: 0.26 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampled :

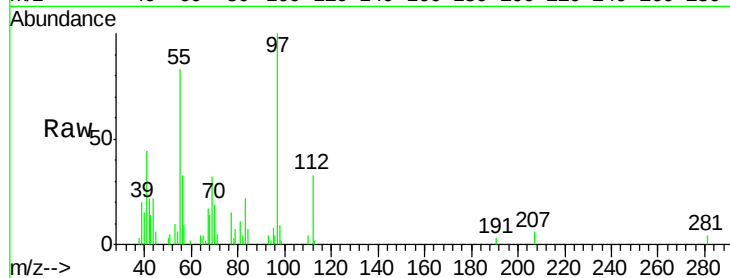
Tot Ion: 69 Resp: 5095

Ion Ratio Lower Upper

69 100

41 141.8 58.4 87.6#

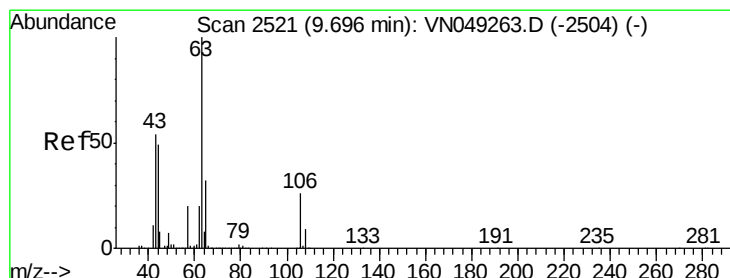
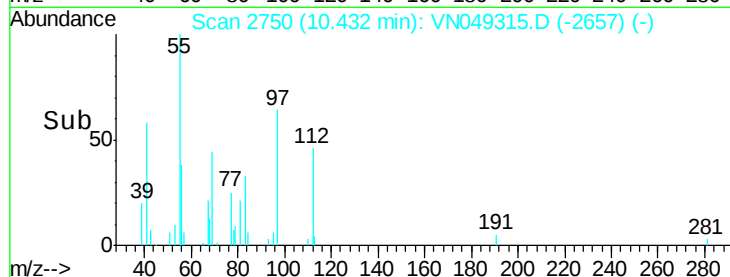
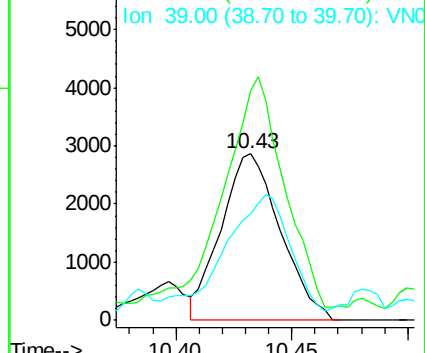
39 78.3 35.5 53.3#



Abundance Ion 69.00 (68.70 to 69.70): VN049315.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049315.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049315.D (-2657) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 14.33 ug/l

RT: 9.64 min Scan# 2503

Delta R.T. -0.06 min

Lab File: VN049315.D

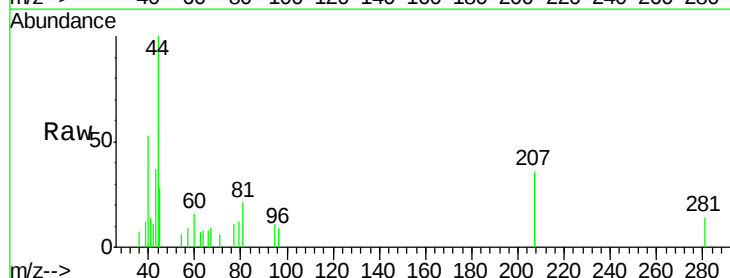
Acq: 16 Jun 2018 17:46

Tgt Ion: 63 Resp: 29

Ion Ratio Lower Upper

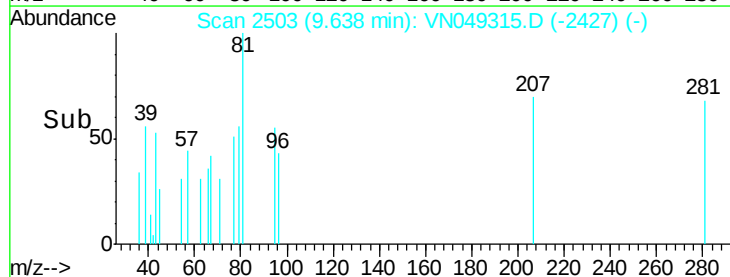
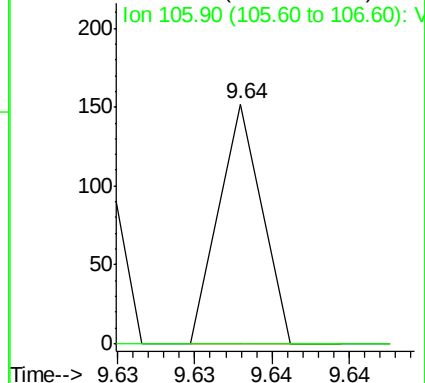
63 100

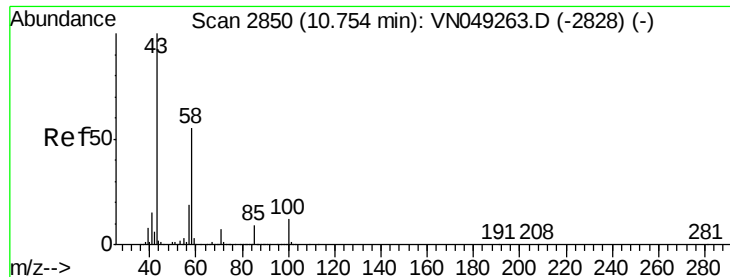
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049315.D (-2427) (-)

Ion 105.90 (105.60 to 106.60): VN049315.D (-2427) (-)

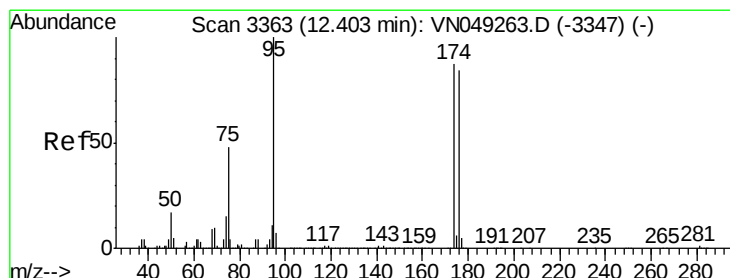
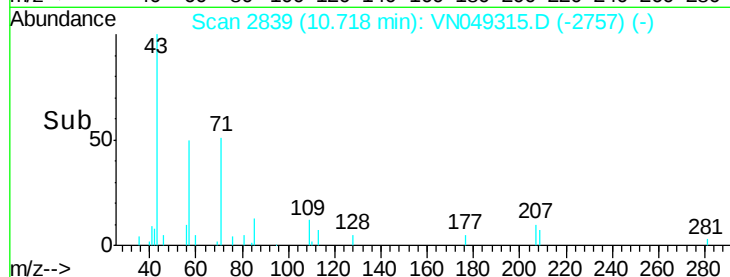
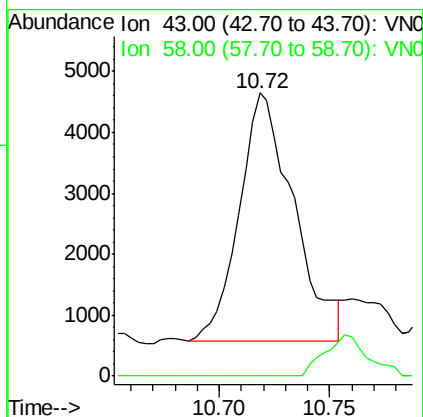
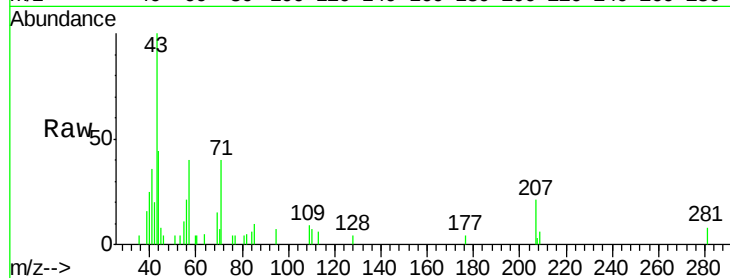




#59
2-Hexanone
Concen: 0.80 ug/l
RT: 10.72 min Scan# 2839
Delta R.T. -0.04 min
Lab File: VN049315.D
Acq: 16 Jun 2018 17:46

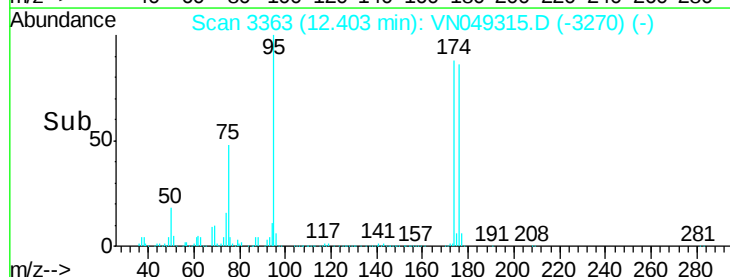
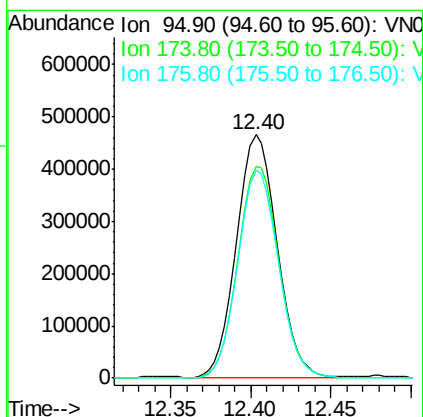
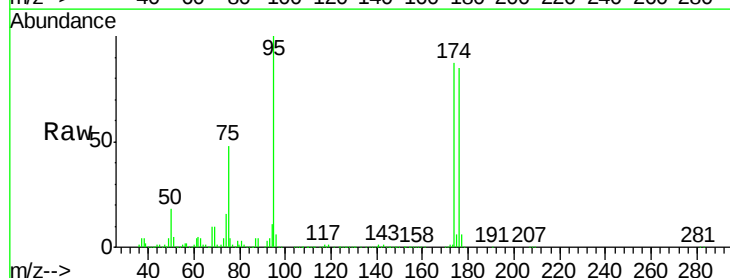
Instrument :
MSVOA_N
ClientSampled :

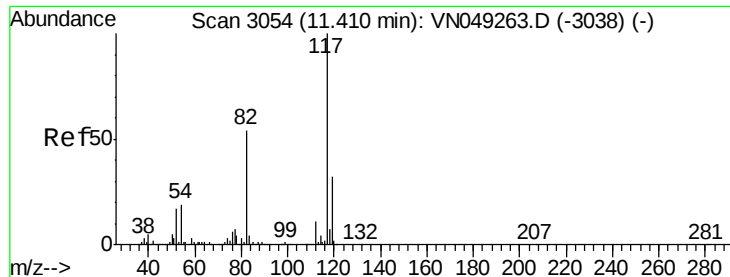
Tot Ion: 43 Resp: 6953
Ion Ratio Lower Upper
43 100
58 0.0 25.2 75.6#



#62
4-Bromofluorobenzene
Concen: 36.40 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049315.D
Acq: 16 Jun 2018 17:46

Tgt Ion: 95 Resp: 804870
Ion Ratio Lower Upper
95 100
174 88.6 0.0 165.6
176 86.1 0.0 157.4

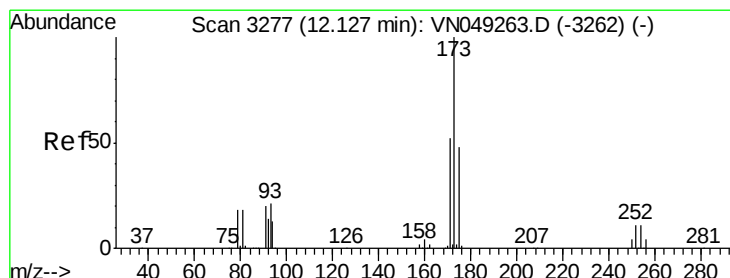
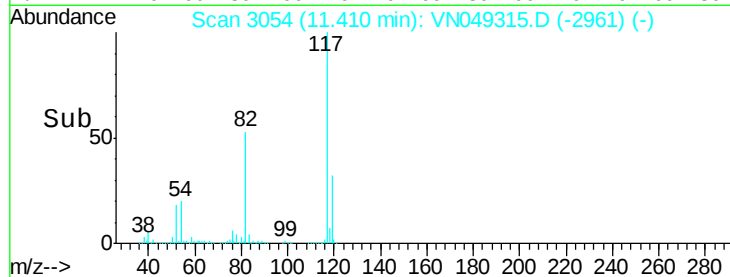
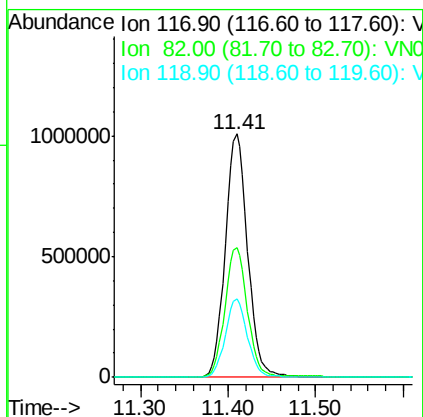
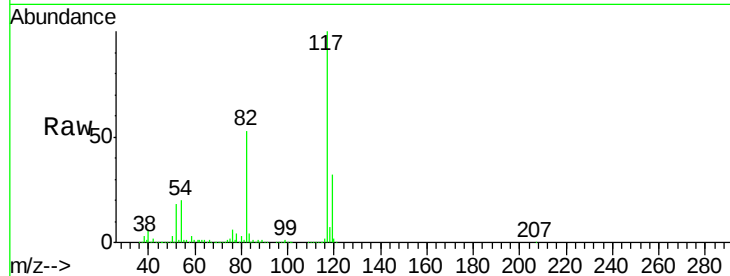




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049315.D
Acq: 16 Jun 2018 17:46

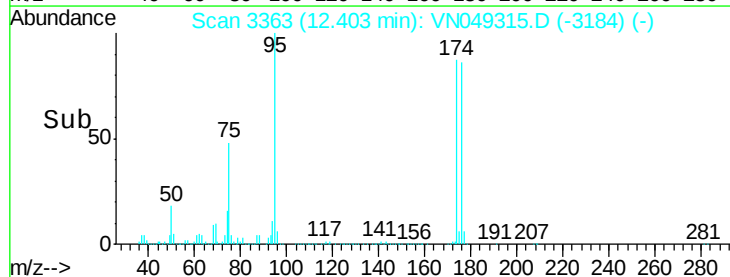
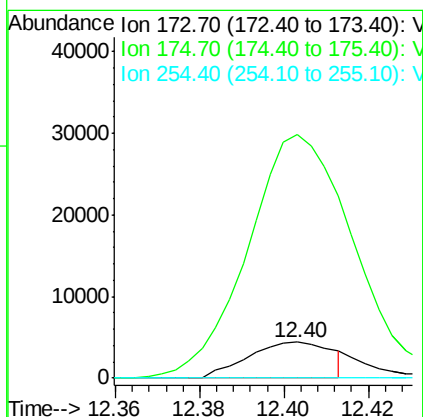
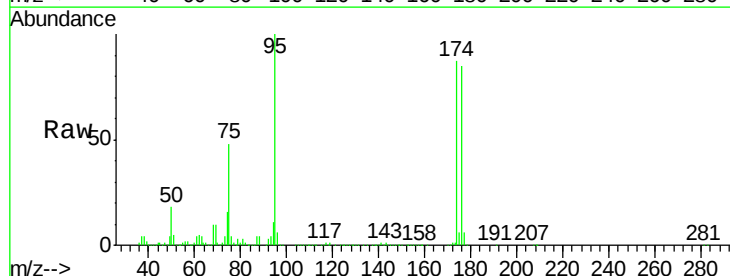
Instrument :
MSVOA_N
ClientSampled :

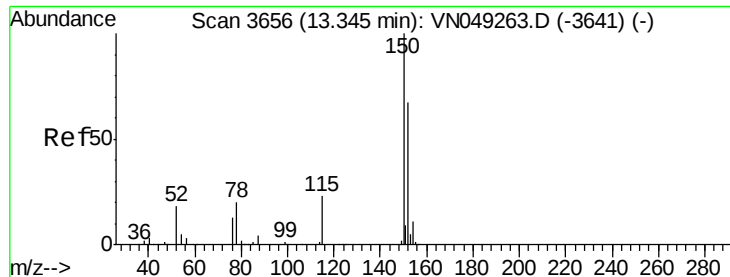
Tot Ion:117 Resp: 1789414
Ion Ratio Lower Upper
117 100
82 53.2 45.9 68.9
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.54 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049315.D
Acq: 16 Jun 2018 17:46

Tgt Ion:173 Resp: 6065
Ion Ratio Lower Upper
173 100
175 690.7 24.5 73.5#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

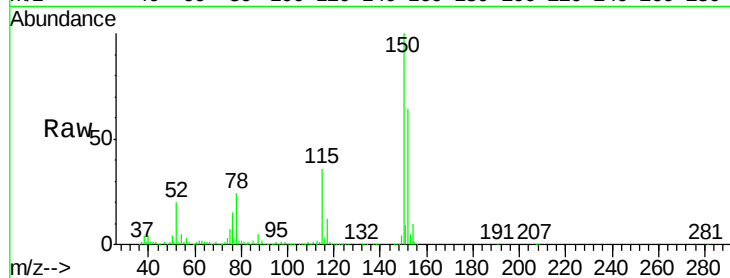
Tot Ion:152 Resp: 617347

Ion Ratio Lower Upper

152 100

115 56.7 28.7 86.1

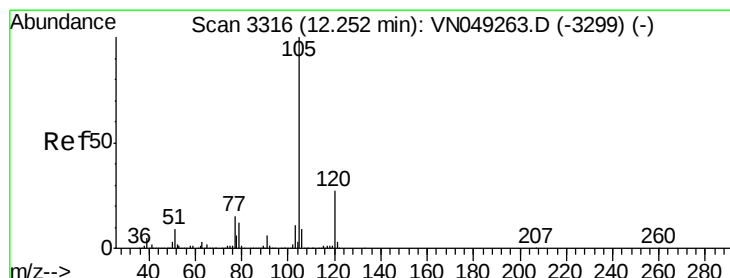
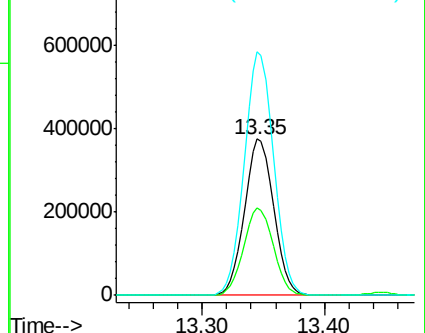
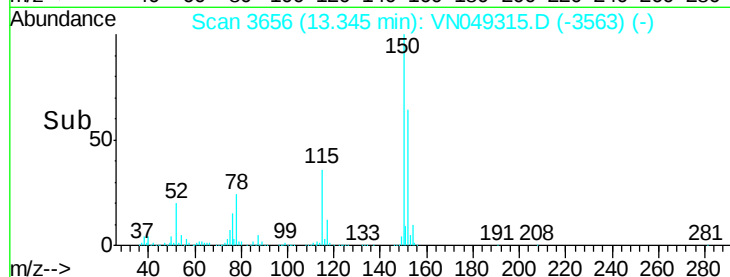
150 156.8 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.34 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049315.D

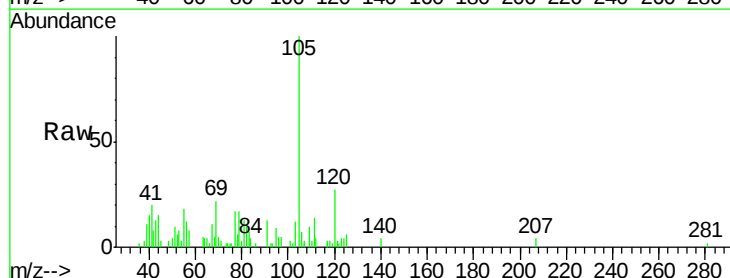
Acq: 16 Jun 2018 17:46

Tgt Ion:105 Resp: 18185

Ion Ratio Lower Upper

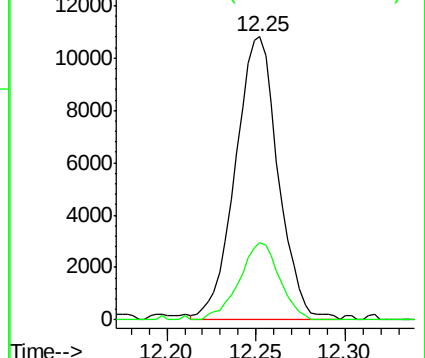
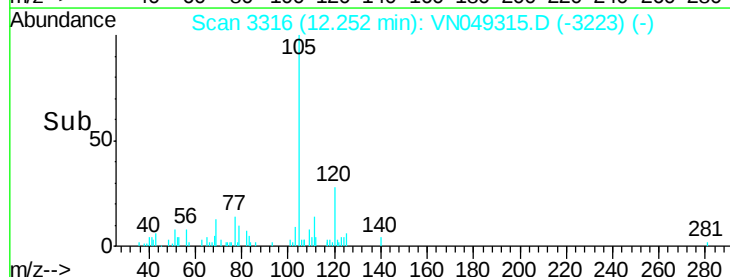
105 100

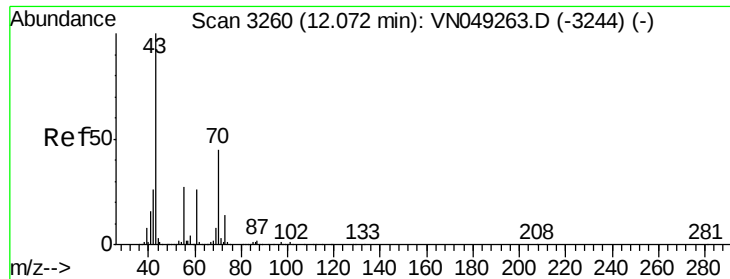
120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.22 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2878

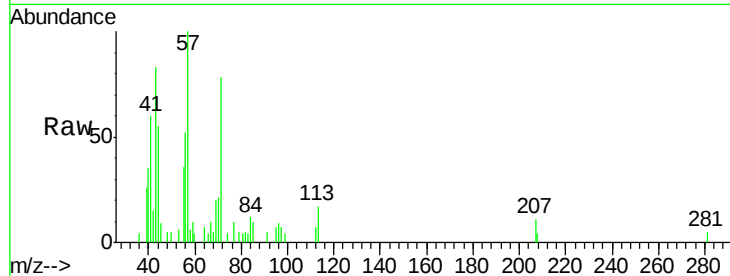
Ion Ratio Lower Upper

43 100

70 13.9 30.3 45.5#

55 0.0 19.4 29.2#

61 0.0 17.8 26.6#

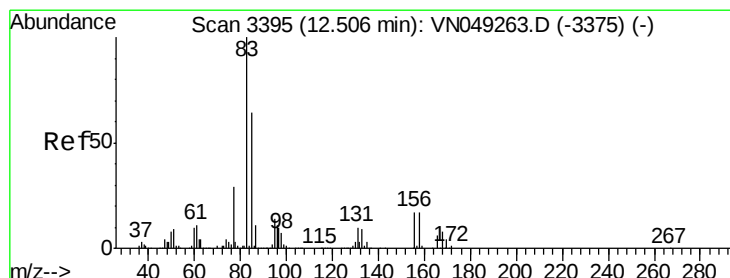
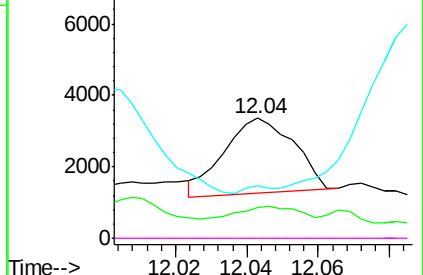
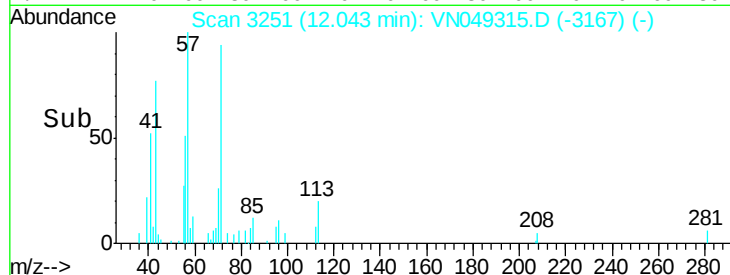


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.46 min Scan# 3382

Delta R.T. -0.04 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

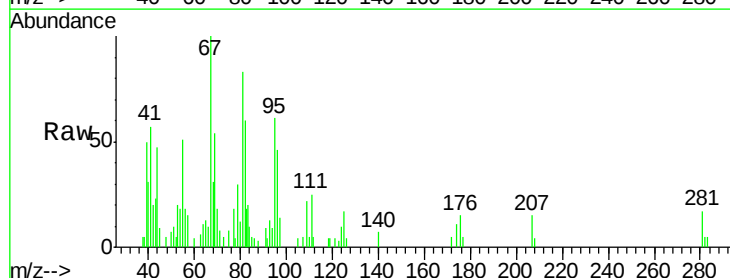
Tgt Ion: 83 Resp: 604

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

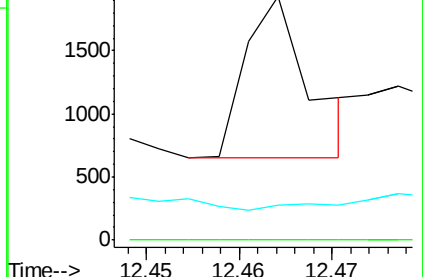
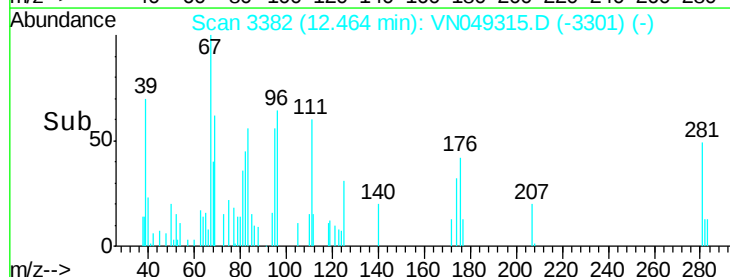
85 0.0 32.0 96.0#

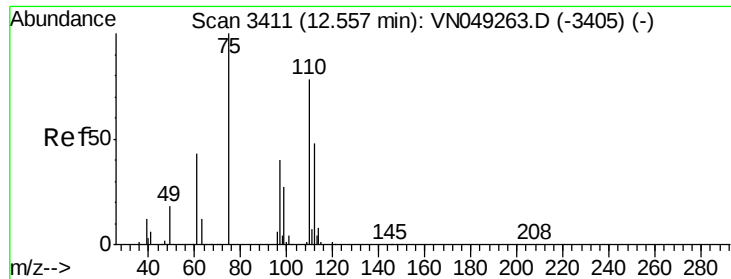


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

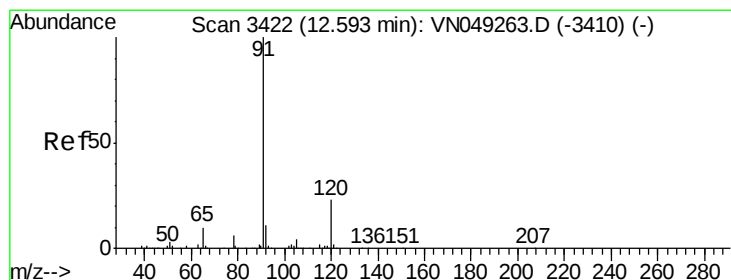
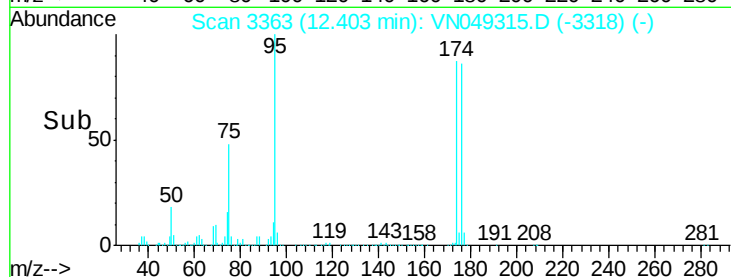
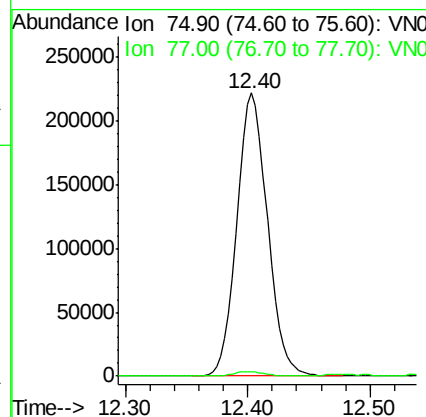
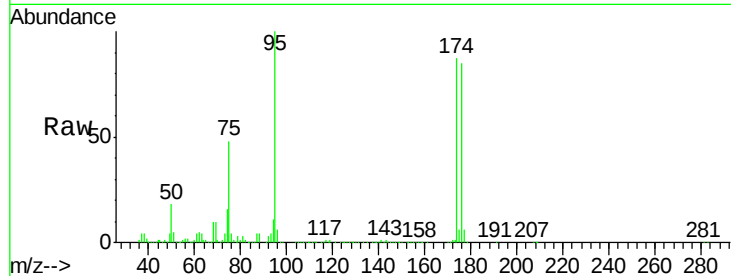




#76
 1,2,3-Trichloropropane
 Concen: 36.67 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049315.D
 Acq: 16 Jun 2018 17:46

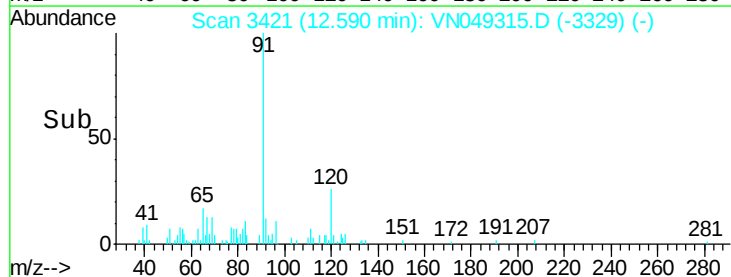
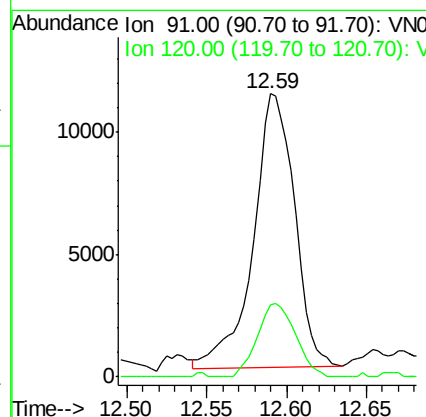
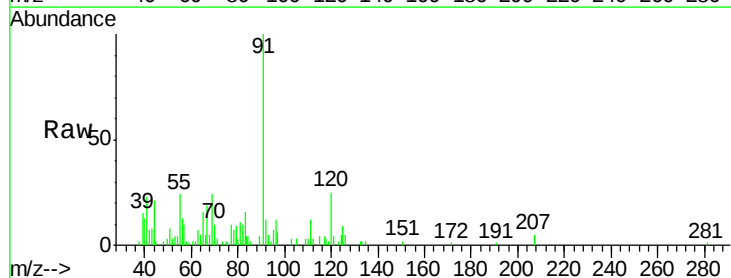
Instrument :
 MSVOA_N
 ClientSampled :

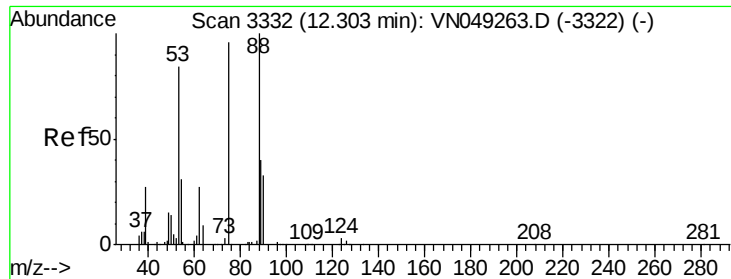
Tot Ion: 75 Resp: 386265
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#78
 n-propylbenzene
 Concen: 0.33 ug/l
 RT: 12.59 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN049315.D
 Acq: 16 Jun 2018 17:46

Tgt Ion: 91 Resp: 19867
 Ion Ratio Lower Upper
 91 100
 120 24.8 11.2 33.5





#81

trans-1,4-Dichloro-2-butene

Concen: 115.90 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampleId :

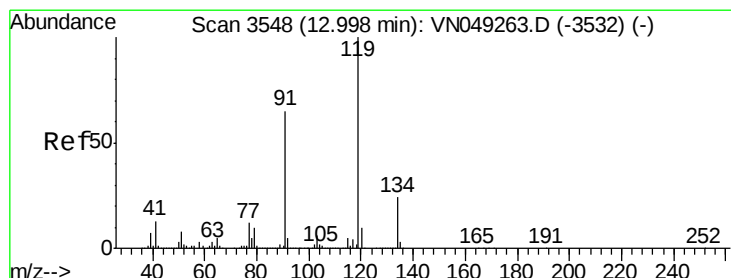
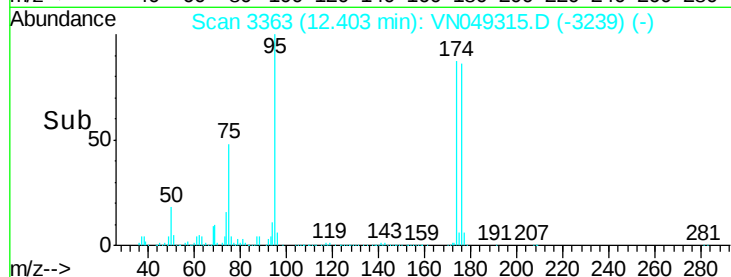
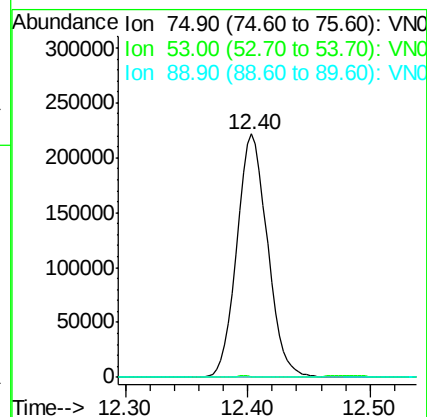
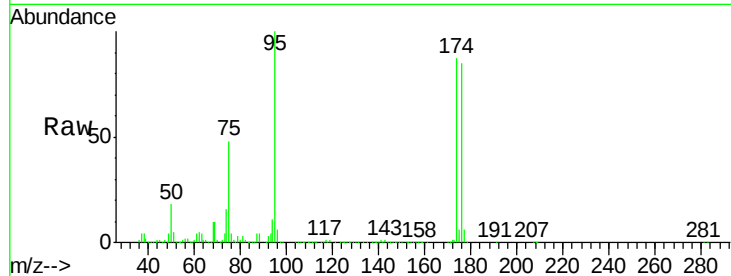
Tot Ion: 75 Resp: 386265

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

89 0.0 36.5 54.7#



#83

tert-Butylbenzene

Concen: 0.80 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

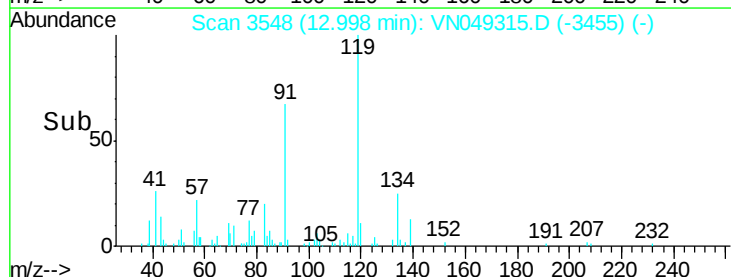
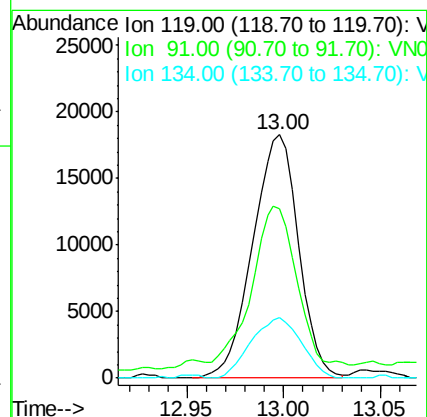
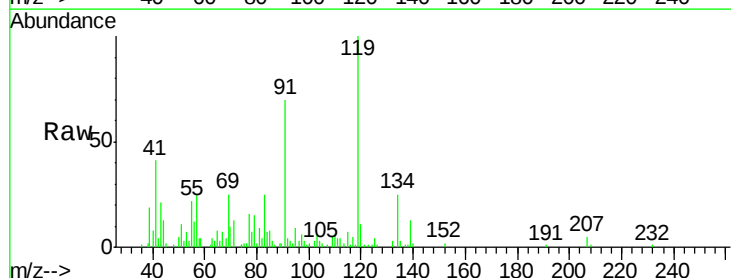
Tgt Ion: 119 Resp: 30101

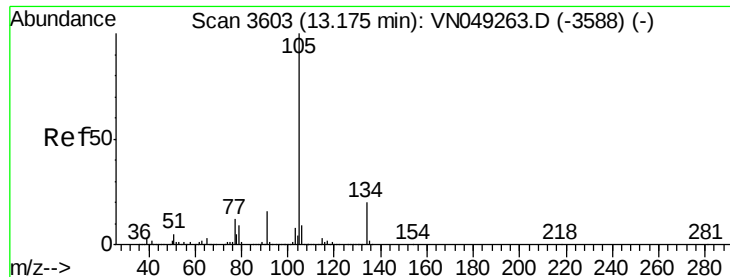
Ion Ratio Lower Upper

119 100

91 62.4 33.7 101.0

134 27.0 12.9 38.6





#85

sec-Butylbenzene

Concen: 1.39 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Instrument :

MSVOA_N

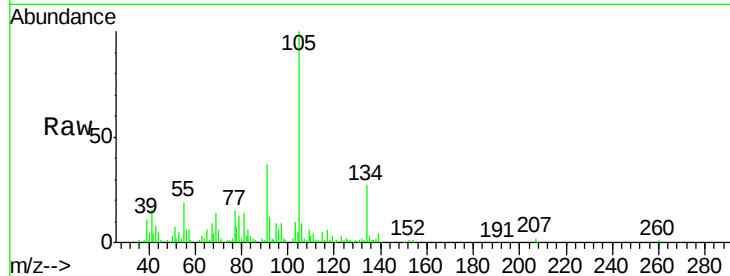
ClientSampled :

Tot Ion:105 Resp: 69610

Ion Ratio Lower Upper

105 100

134 51.6 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

40000

30000

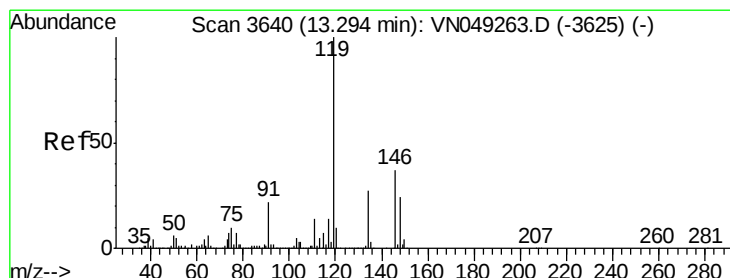
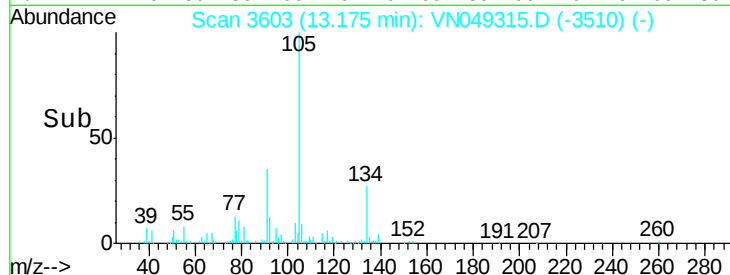
20000

10000

0

Time-->

13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 2.71 ug/l

RT: 13.44 min Scan# 3687

Delta R.T. 0.15 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

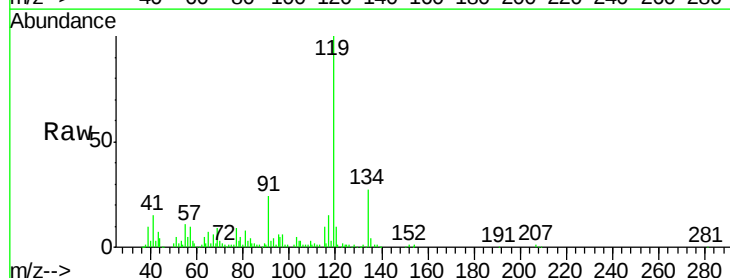
Tgt Ion:119 Resp: 113563

Ion Ratio Lower Upper

119 100

134 29.2 12.9 38.6

91 25.0 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

100000

80000

60000

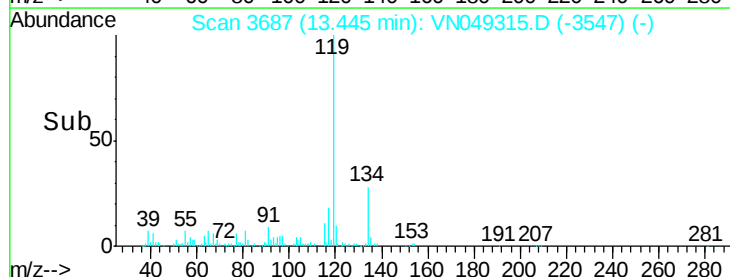
40000

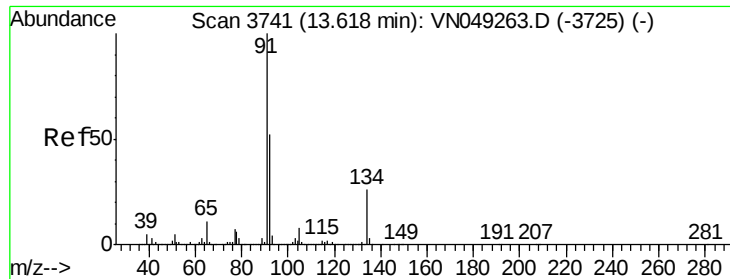
20000

0

Time-->

13.35 13.40 13.45 13.50

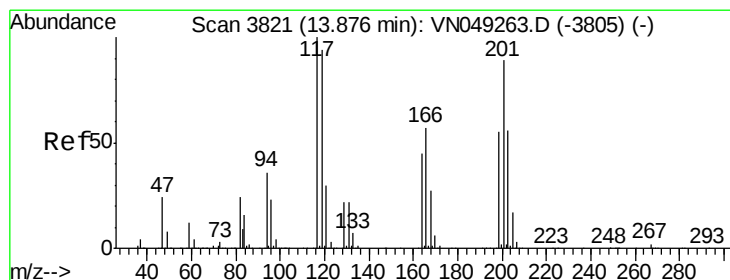
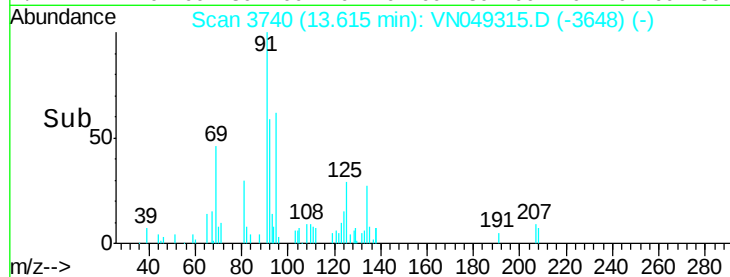
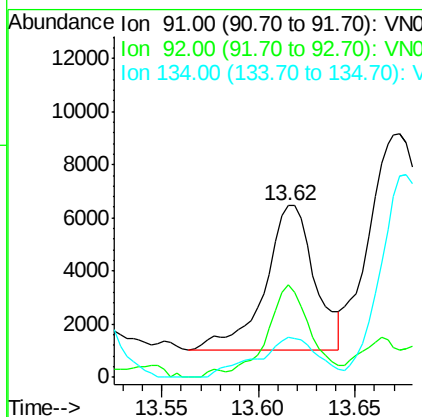
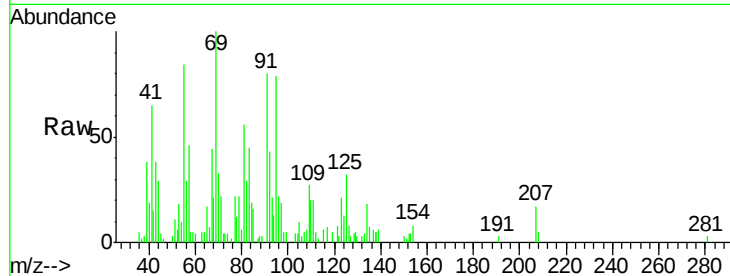




#89
n-Butylbenzene
Concen: 0.30 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049315.D
Acq: 16 Jun 2018 17:46

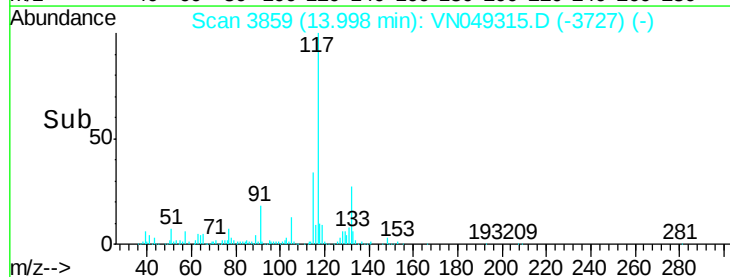
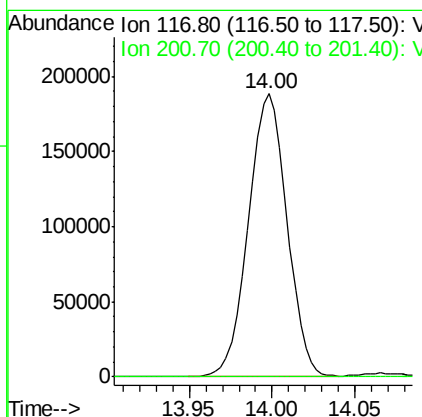
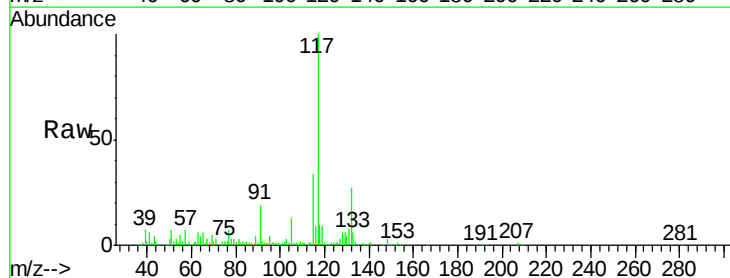
Instrument :
MSVOA_N
ClientSampleId :

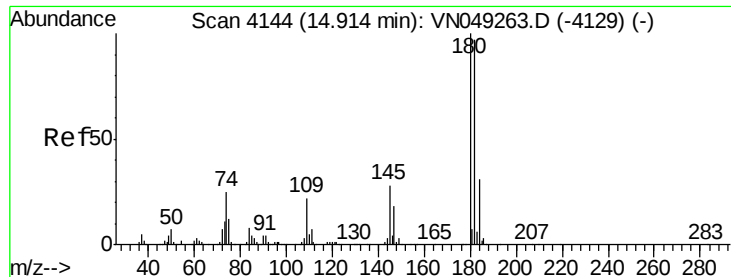
Tot Ion: 91 Resp: 9792
Ion Ratio Lower Upper
91 100
92 47.0 25.1 75.4
134 33.8 12.0 36.0



#90
Hexachloroethane
Concen: 37.72 ug/l
RT: 14.00 min Scan# 3859
Delta R.T. 0.12 min
Lab File: VN049315.D
Acq: 16 Jun 2018 17:46

Tgt Ion: 117 Resp: 302931
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#

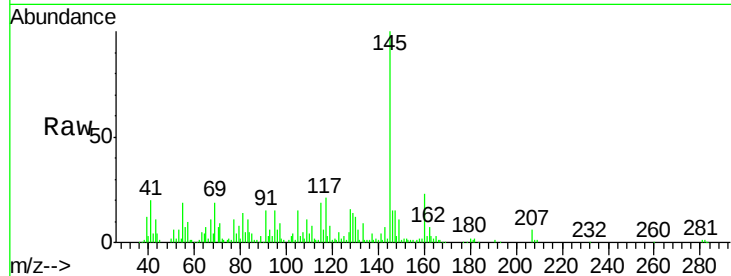




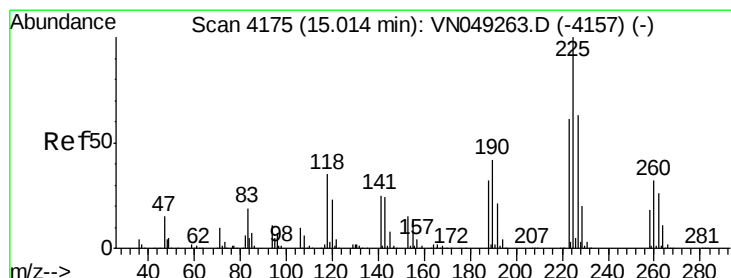
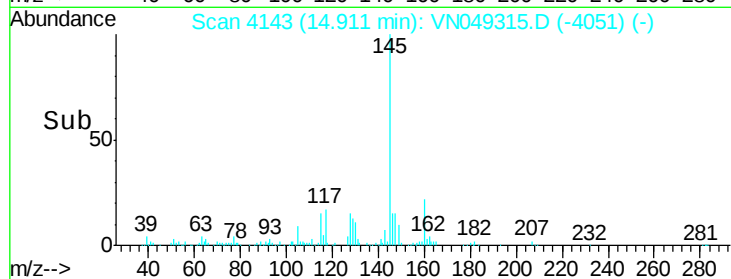
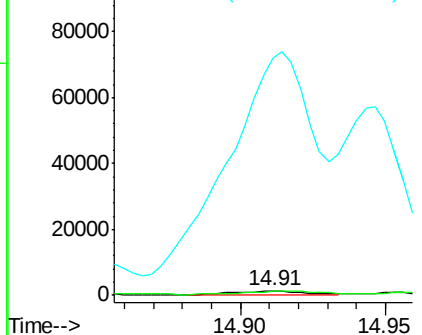
#93
 1,2,4-Trichlorobenzene
 Concen: 4.88 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049315.D
 Acq: 16 Jun 2018 17:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1576
 Ion Ratio Lower Upper
 180 100
 182 123.5 46.9 140.8
 145 9775.8 14.7 44.1#

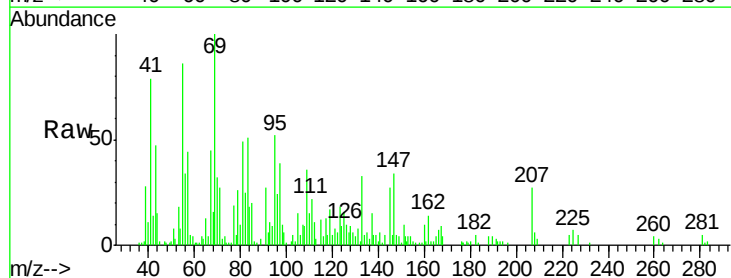


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

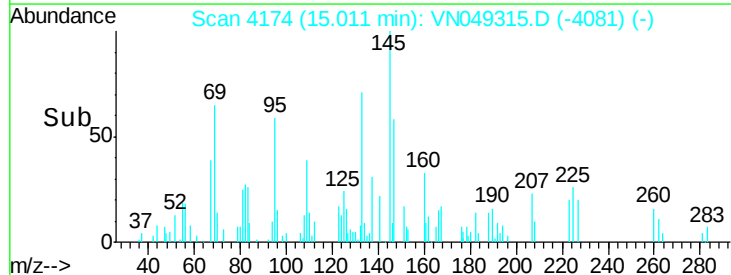
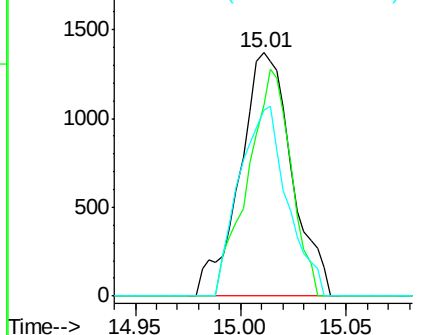


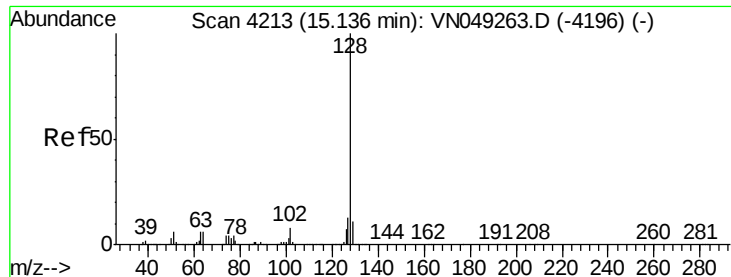
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049315.D
 Acq: 16 Jun 2018 17:46

Tgt Ion:225 Resp: 2358
 Ion Ratio Lower Upper
 225 100
 223 76.8 32.1 96.3
 227 71.5 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: 2.26 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Instrument :

MSVOA_N

ClientSampled :

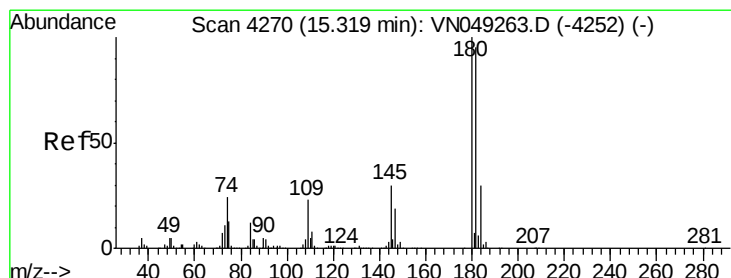
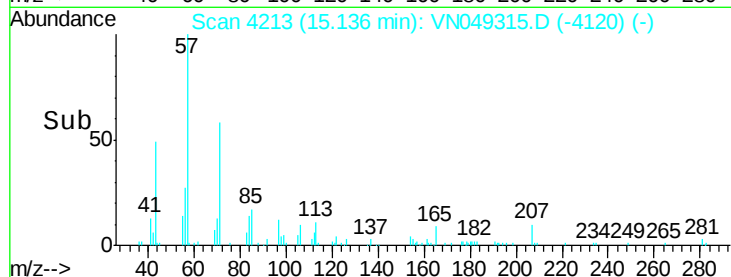
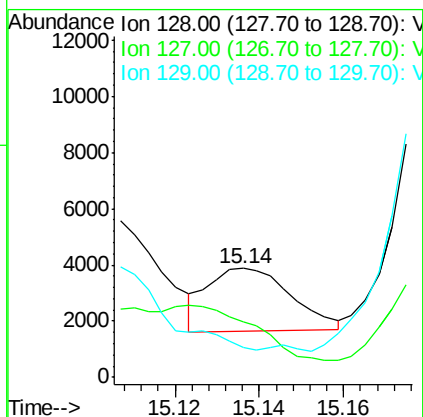
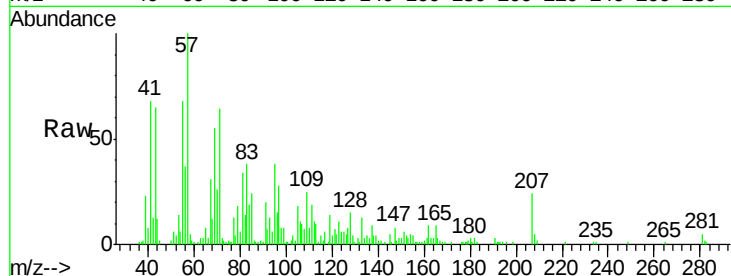
Tot Ion:128 Resp: 3071

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 3.51 ug/l

RT: 15.30 min Scan# 4264

Delta R.T. -0.02 min

Lab File: VN049315.D

Acq: 16 Jun 2018 17:46

Tgt Ion:180 Resp: 619

Ion Ratio Lower Upper

180 100

182 139.1 47.3 141.8

145 11199.5 15.6 46.7#

