

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049638.D
 Acq On : 29 Jun 2018 18:15
 Operator : MD\SY
 Sample : J3612-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 30 01:21:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 29 15:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1108824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1757531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1449486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	524085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	724741	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	269979	20.55	ug/l	0.00
Spiked Amount			Recovery	=	41.10%	
50) Toluene-d8	10.09	98	2375429	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
62) 4-Bromofluorobenzene	12.40	95	666038	37.93	ug/l	0.00
Spiked Amount			Recovery	=	75.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3541	0.23	ug/l	98
11) Tert butyl alcohol	4.80	59	222	0.26	ug/l #	70
13) Acrolein	3.61	56	2345	2.99	ug/l #	82
16) Acetone	3.83	43	54782	15.90	ug/l	97
18) Methyl Acetate	4.33	43	41102	Below Cal	#	84
20) Methylene Chloride	4.54	84	9175	0.61	ug/l #	80
25) 2-Butanone	6.85	43	5481	1.13	ug/l	98
29) Tetrahydrofuran	7.23	42	4102	1.32	ug/l	94
30) Chloroform	7.37	83	10060	0.39	ug/l	98
31) Cyclohexane	7.66	56	21321	0.24	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	75001	3.79	ug/l #	51
38) Carbon Tetrachloride	7.67	117	98934	5.14	ug/l #	17
43) Isopropyl Acetate	8.23	43	83125	3.09	ug/l #	65
47) Bromodichloromethane	9.40	83	5258	0.26	ug/l #	94
49) 1,4-Dioxane	9.19	88	184	1.34	ug/l #	19
51) 4-Methyl-2-Pentanone	9.99	43	6311	0.56	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.69	63	411	13.24	ug/l #	51
59) 2-Hexanone	10.76	43	4955	0.66	ug/l	76
68) m/p-Xylenes	11.62	106	6588	0.28	ug/l	85
74) N-amyl acetate	12.08	43	2852	0.25	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	1297	Below Cal	#	73
76) 1,2,3-Trichloropropane	12.40	75	321148	39.26	ug/l #	100
77) Bromobenzene	12.53	156	2853	0.25	ug/l	78
78) n-propylbenzene	12.59	91	9654	0.20	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	321148	129.77	ug/l #	9
82) 4-Chlorotoluene	12.77	91	7704	0.25	ug/l	78
84) 1,2,4-Trimethylbenzene	13.04	105	7990	0.22	ug/l	87
87) 1,3-Dichlorobenzene	13.28	146	6902	Below Cal		90
88) 1,4-Dichlorobenzene	13.28	146	6902	Below Cal		88
89) n-Butylbenzene	13.62	91	7551	0.26	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	6679	Below Cal		94
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1101	Below Cal		66
93) 1,2,4-Trichlorobenzene	14.91	180	7376	3.13	ug/l	96
94) Hexachlorobutadiene	15.01	225	4268	Below Cal		93

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Quant Title : SW846 8260
QLast Update : Fri Jun 29 15:11:52 2018
Response via : Initial Calibration

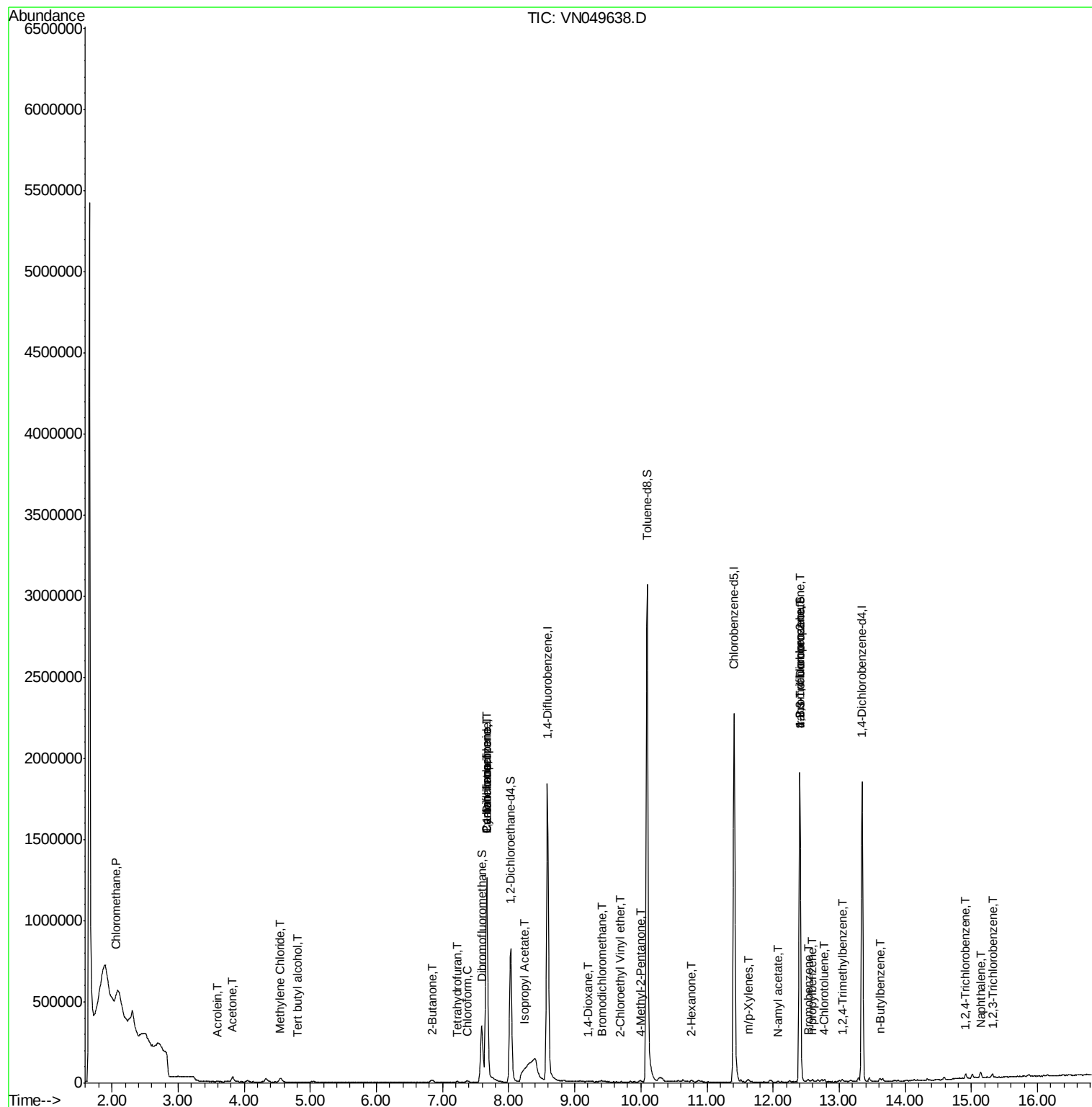
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.14	128	27914	3.99	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.32	180	9267	2.62	ug/l	94

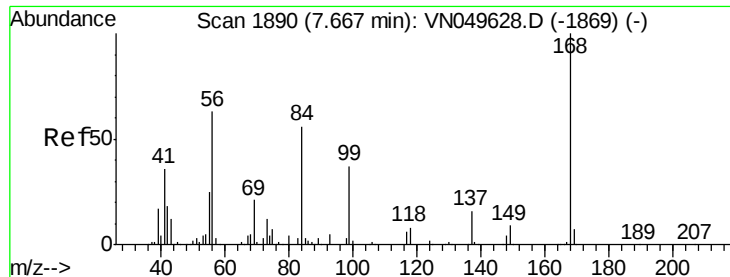
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062918\
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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: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_N

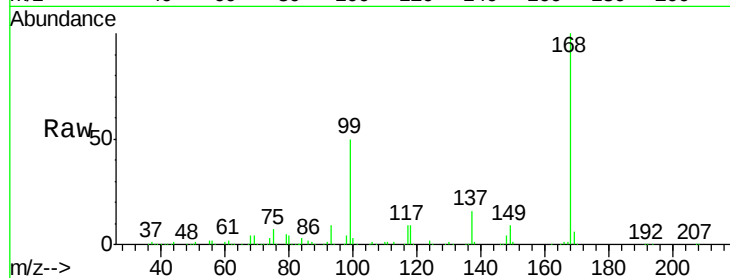
ClientSampleId :

Tot Ion:168 Resp: 1108824

Ion Ratio Lower Upper

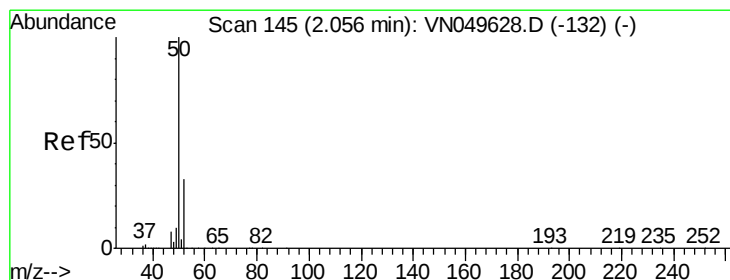
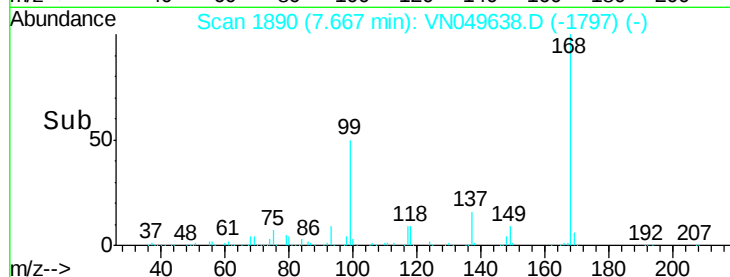
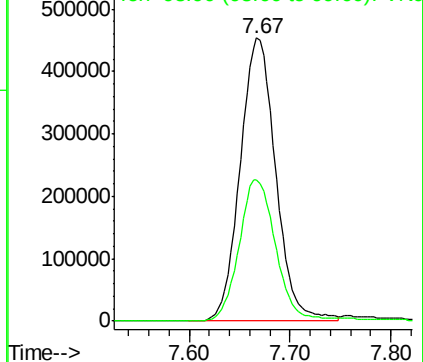
168 100

99 49.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.23 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049638.D

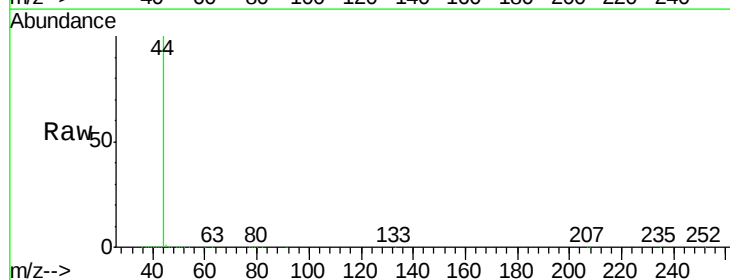
Acq: 29 Jun 2018 18:15

Tgt Ion: 50 Resp: 3541

Ion Ratio Lower Upper

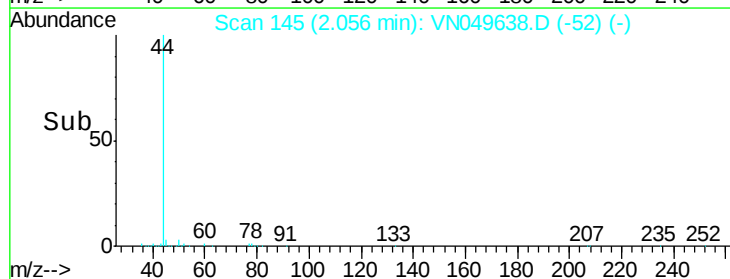
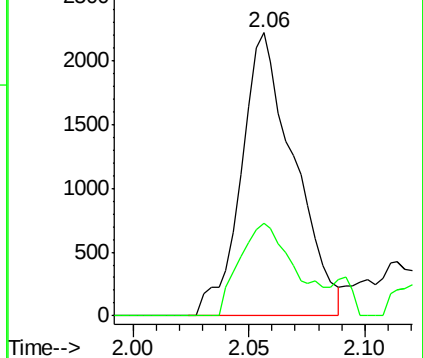
50 100

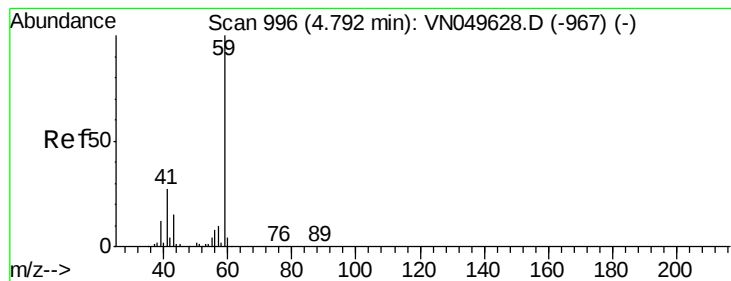
52 32.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



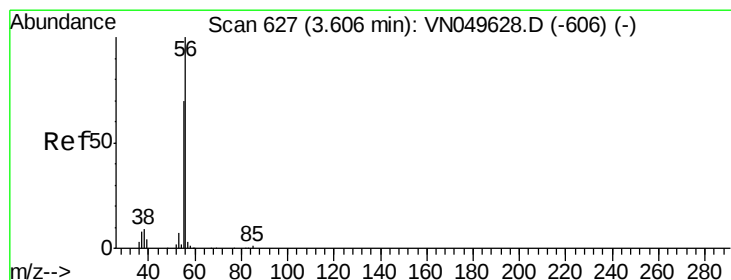
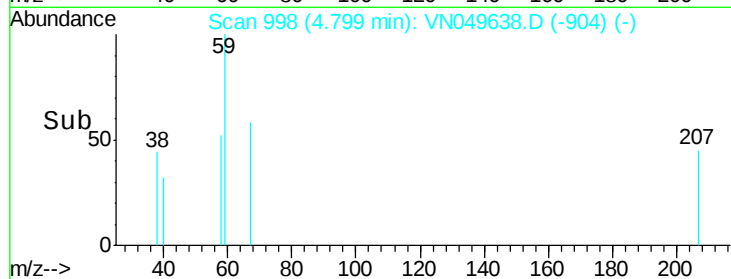
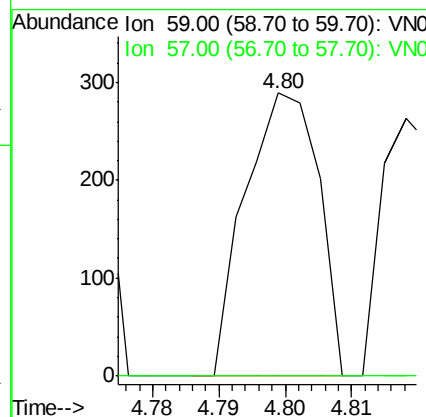
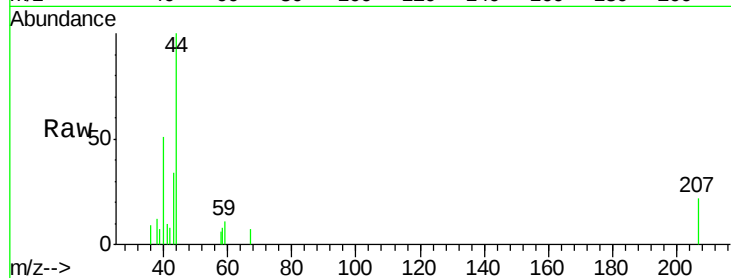


#11

Tert butyl alcohol
 Concen: 0.26 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049638.D
 Acq: 29 Jun 2018 18:15

Instrument :
 MSVOA_N
 ClientSampled :

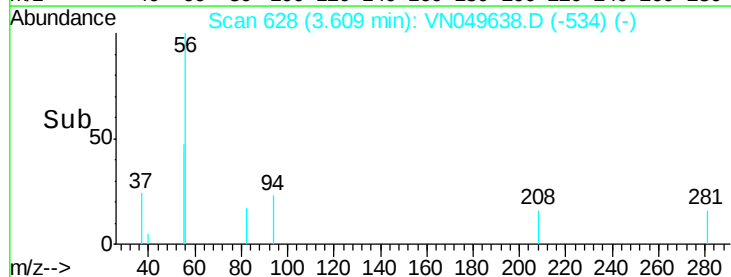
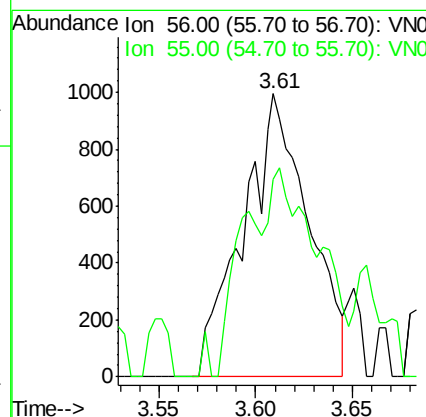
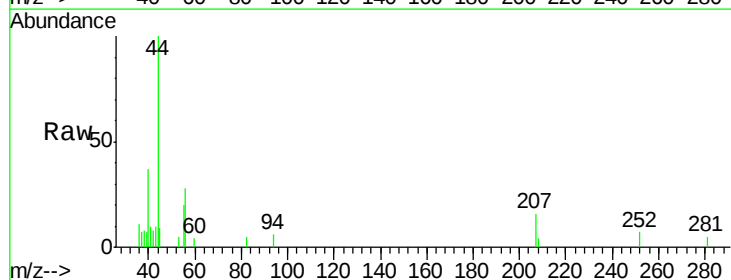
Tot Ion: 59 Resp: 222
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

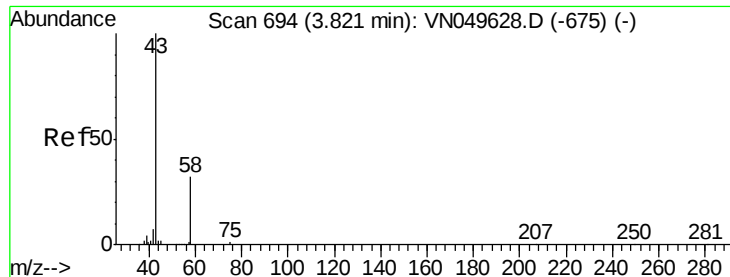


#13

Acrolein
 Concen: 2.99 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN049638.D
 Acq: 29 Jun 2018 18:15

Tgt Ion: 56 Resp: 2345
 Ion Ratio Lower Upper
 56 100
 55 56.8 57.1 85.7#





#16

Acetone

Concen: 15.90 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_N

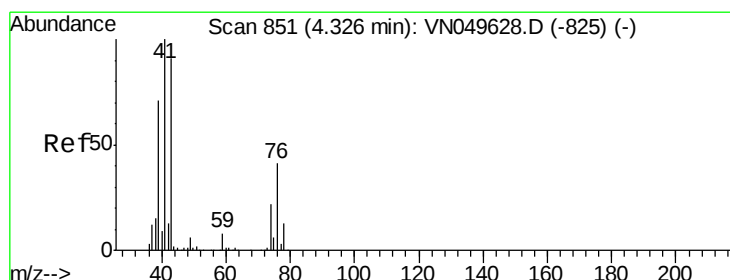
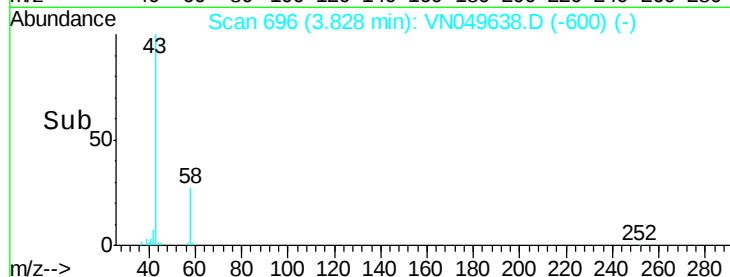
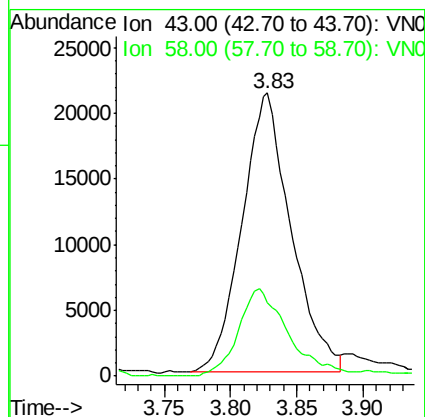
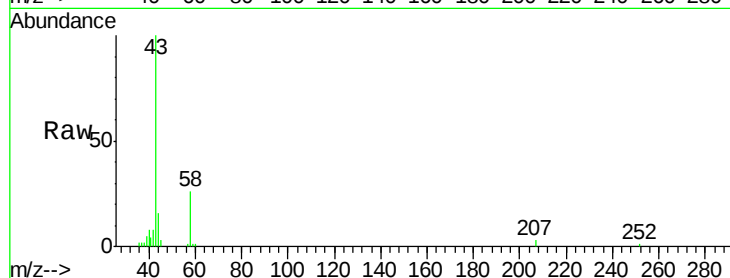
ClientSampleId :

Tot Ion: 43 Resp: 54782

Ion Ratio Lower Upper

43 100

58 26.3 22.4 33.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049638.D

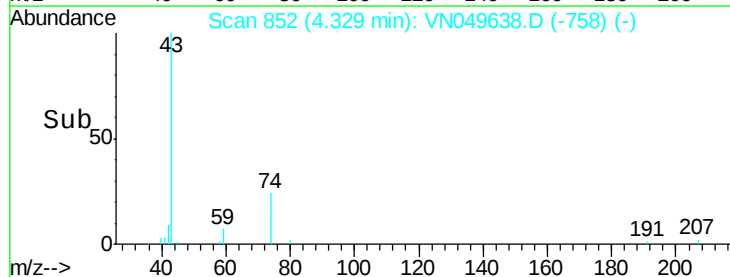
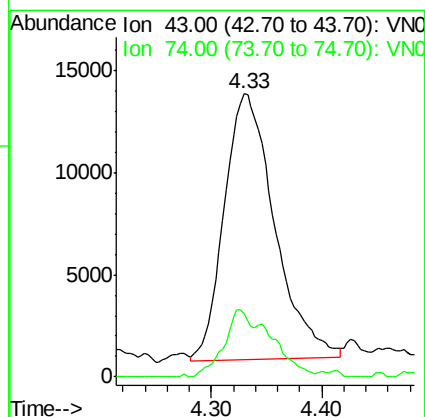
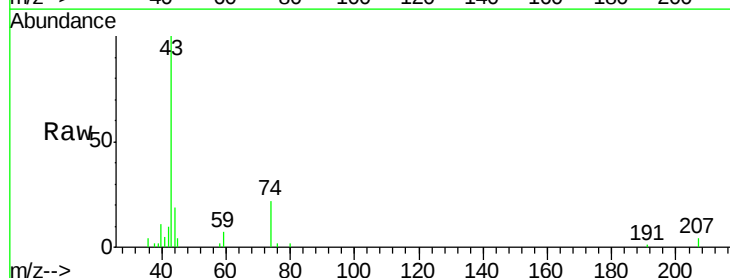
Acq: 29 Jun 2018 18:15

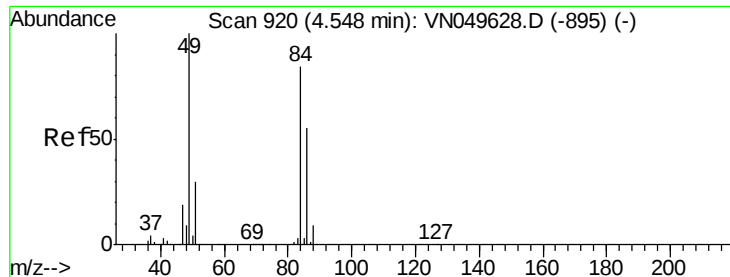
Tgt Ion: 43 Resp: 41102

Ion Ratio Lower Upper

43 100

74 14.0 17.4 26.0#

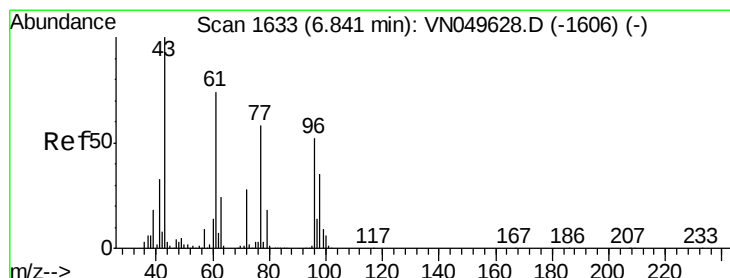
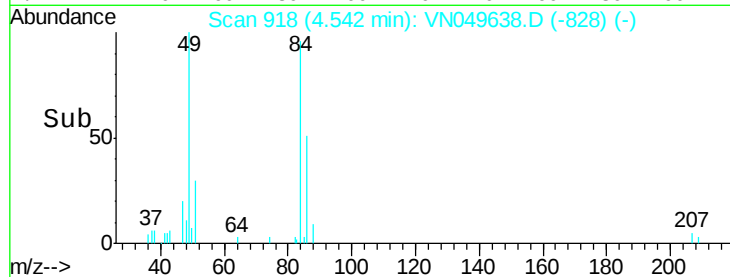
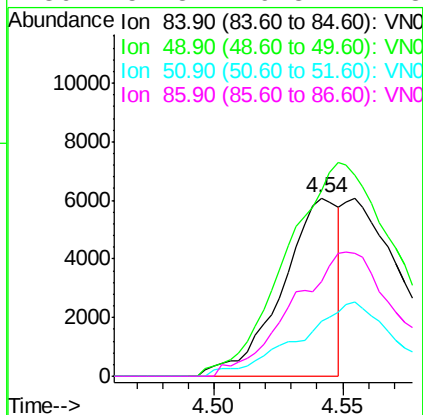
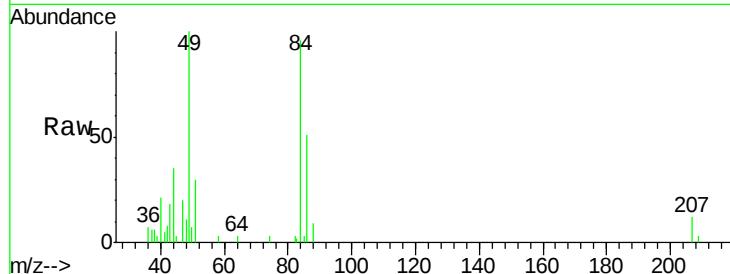




#20
Methvlene Chloride
Concen: 0.61 ug/l
RT: 4.54 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

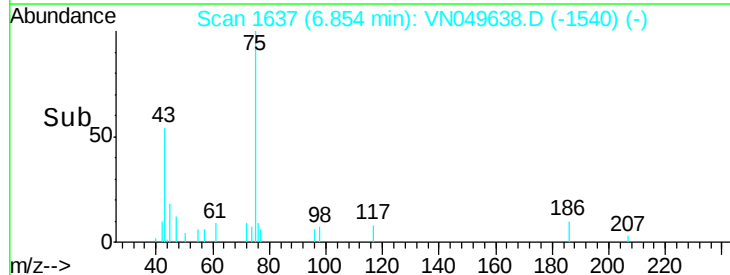
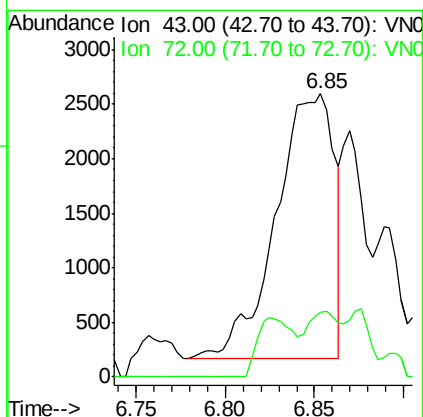
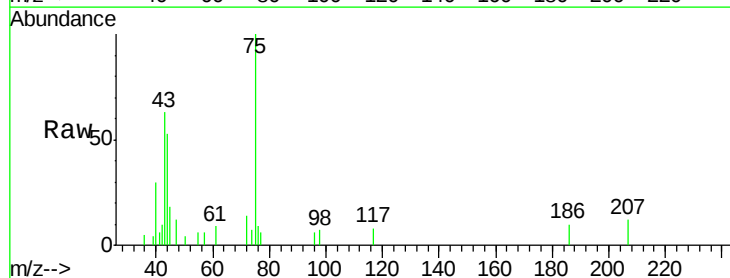
Instrument :
MSVOA_N
ClientSampled :

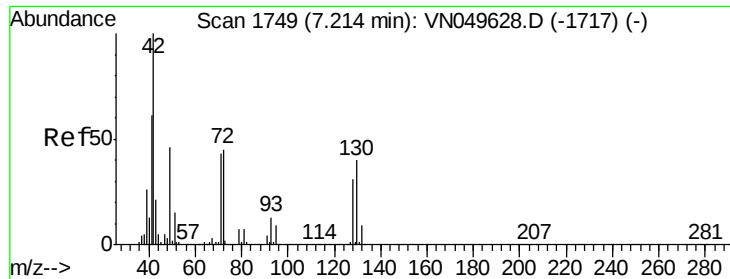
Tot Ion: 84 Resp: 9175
Ion Ratio Lower Upper
84 100
49 103.9 106.9 160.3#
51 30.8 32.7 49.1#
86 52.8 49.8 74.8



#25
2-Butanone
Concen: 1.13 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 43 Resp: 5481
Ion Ratio Lower Upper
43 100
72 24.2 20.2 30.2

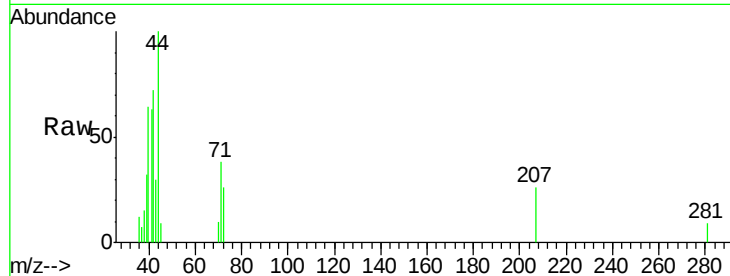




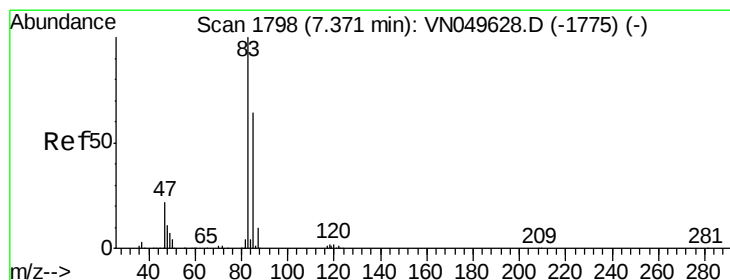
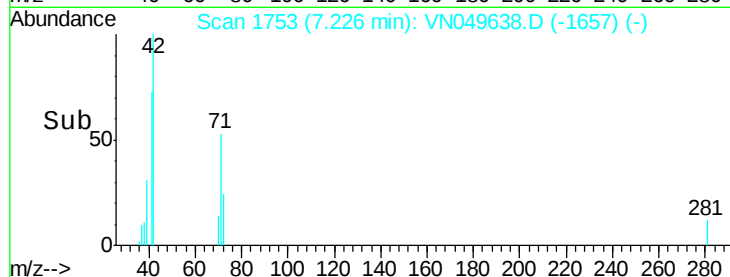
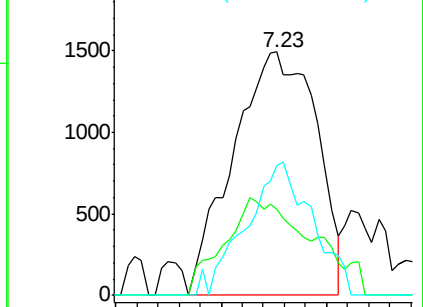
#29
Tetrahydrofuran
Concen: 1.32 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 4102
Ion Ratio Lower Upper
42 100
72 42.2 32.2 48.4
71 43.4 30.5 45.7

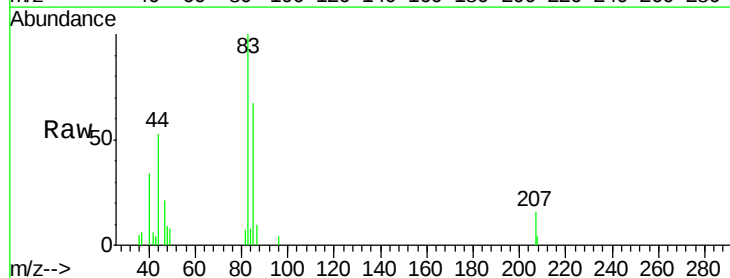


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

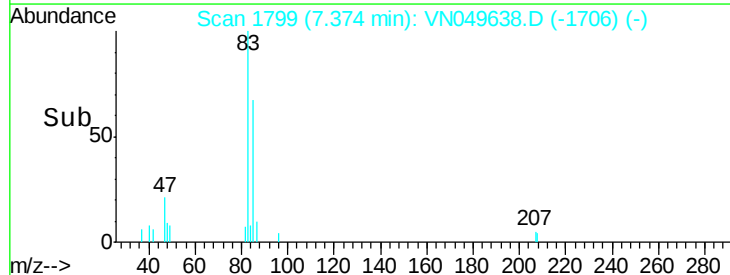
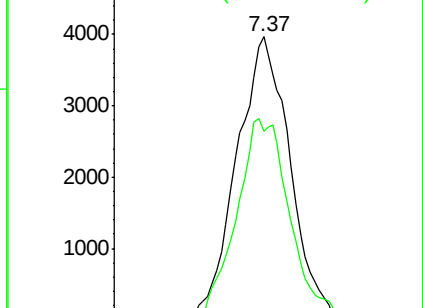


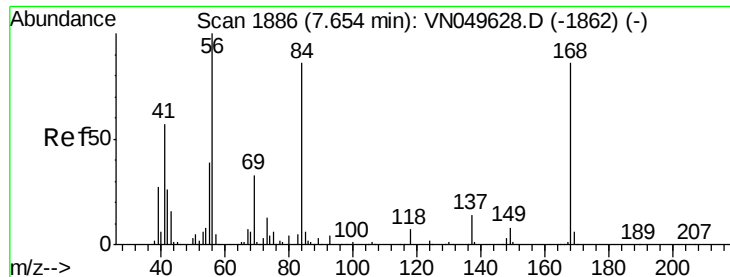
#30
Chloroform
Concen: 0.39 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 83 Resp: 10060
Ion Ratio Lower Upper
83 100
85 66.5 51.7 77.5



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





#31

Cyclohexane

Concen: 0.24 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :
MSVOA_N
ClientSampled :

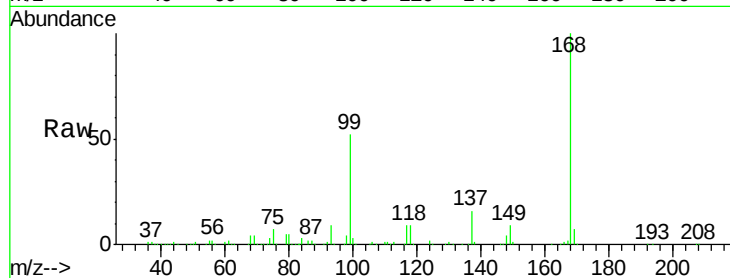
Tot Ion: 56 Resp: 21321

Ion Ratio Lower Upper

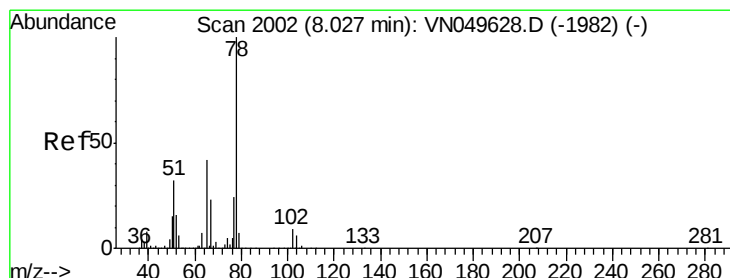
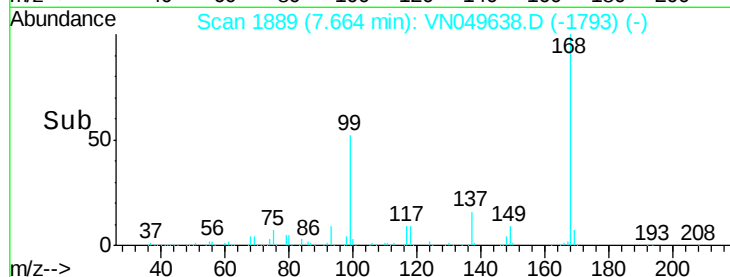
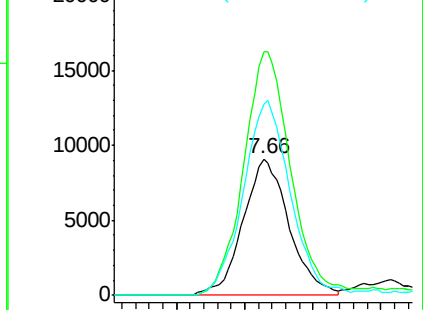
56 100

69 178.7 25.0 37.4#

84 140.7 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: 49.49 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049638.D

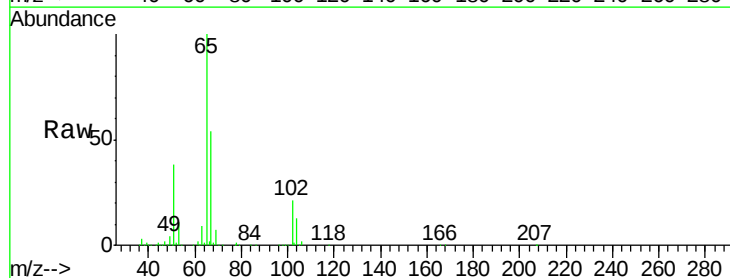
Acq: 29 Jun 2018 18:15

Tgt Ion: 65 Resp: 724741

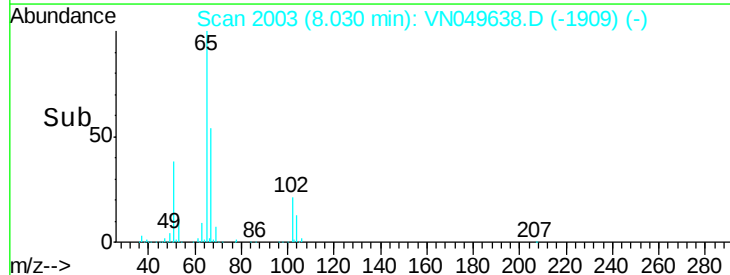
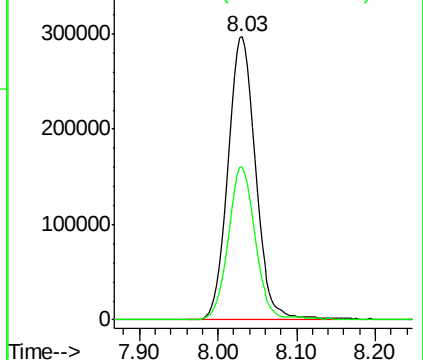
Ion Ratio Lower Upper

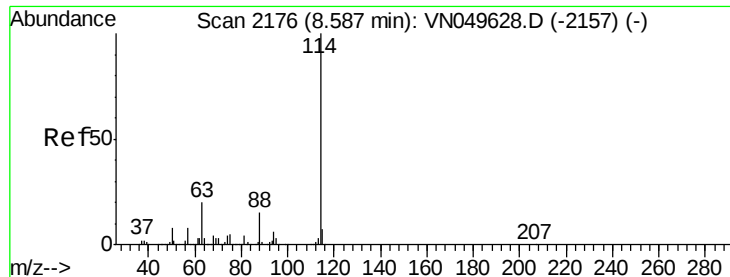
65 100

67 52.9 0.0 103.8



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

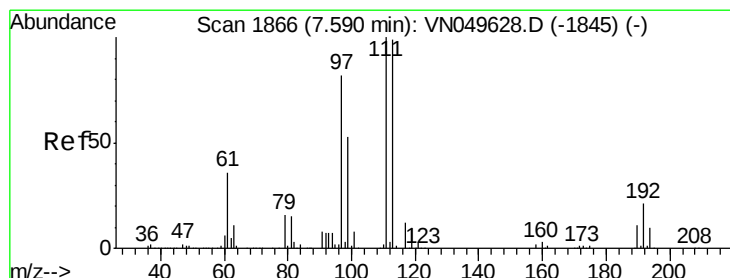
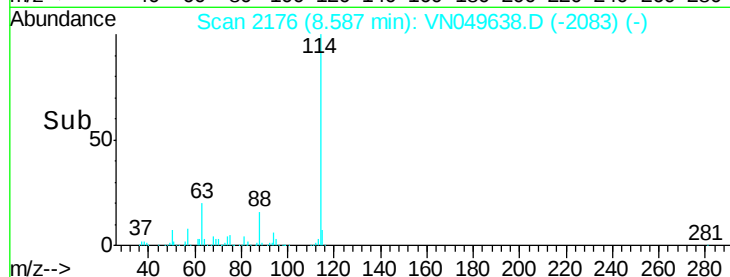
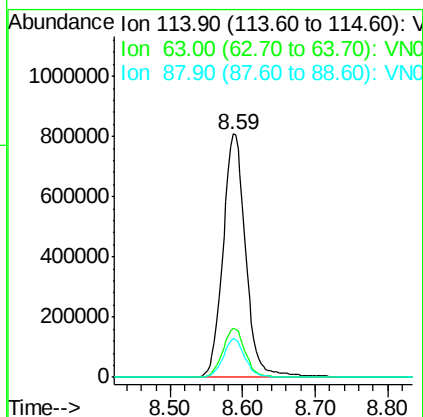
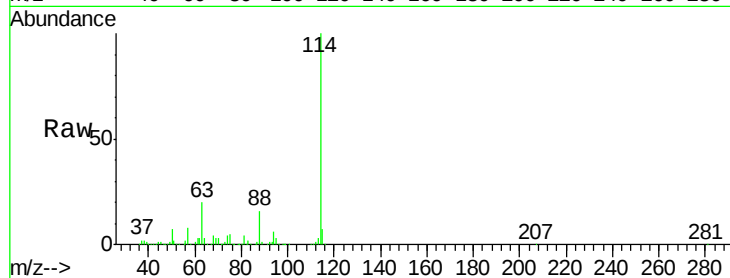




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049638.D
 Acq: 29 Jun 2018 18:15

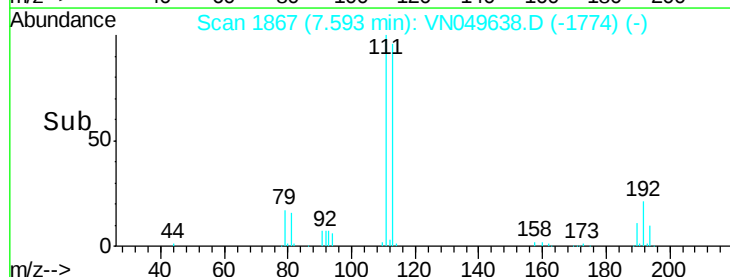
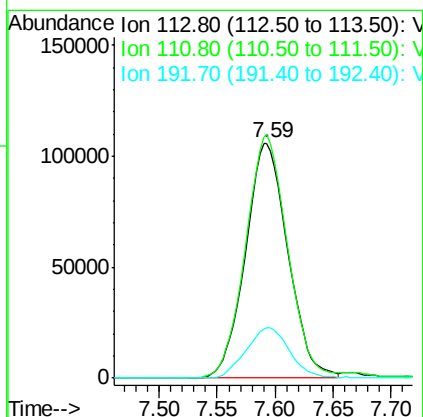
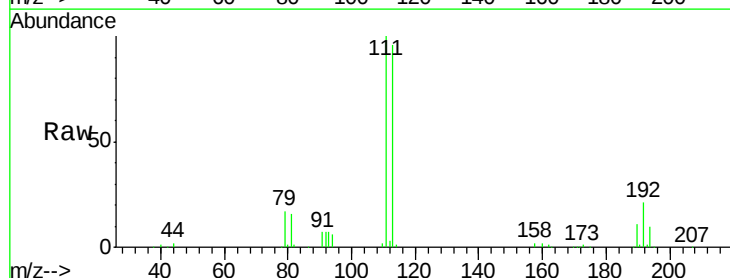
Instrument :
 MSVOA_N
 ClientSampled :

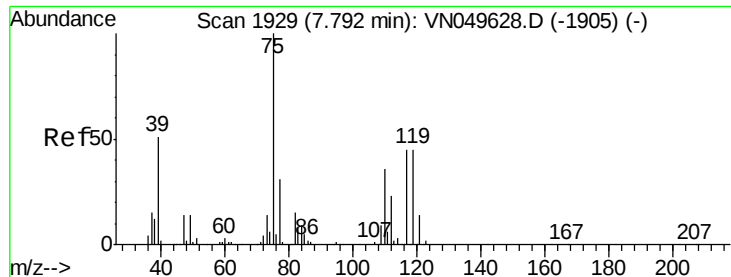
Tot Ion:114 Resp: 1757531
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.8 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 20.55 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049638.D
 Acq: 29 Jun 2018 18:15

Tgt Ion:113 Resp: 269979
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 22.0 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.79 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :
MSVOA_N
ClientSampled :

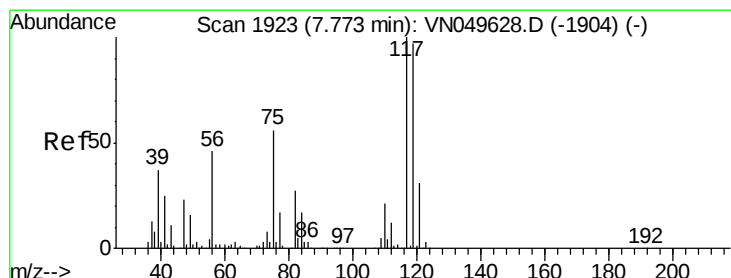
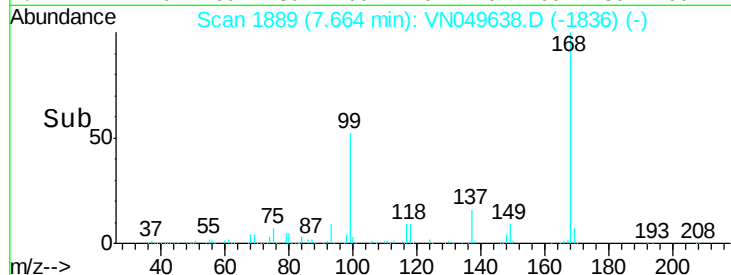
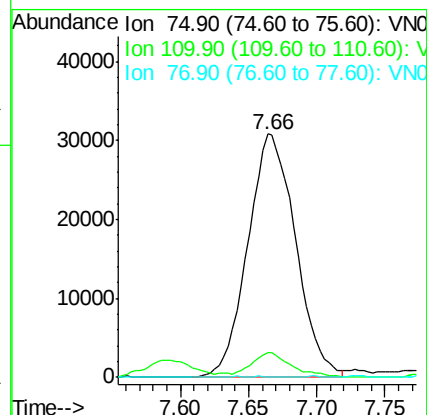
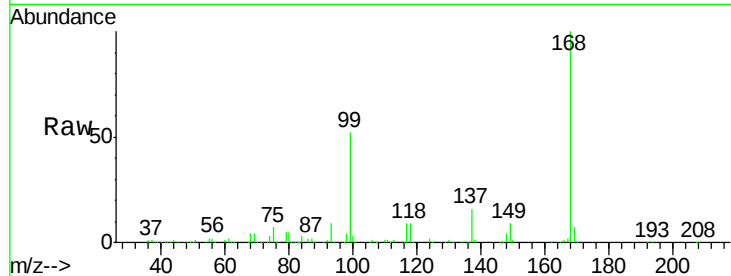
Tot Ion: 75 Resp: 75001

Ion Ratio Lower Upper

75 100

110 9.1 17.0 50.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.14 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

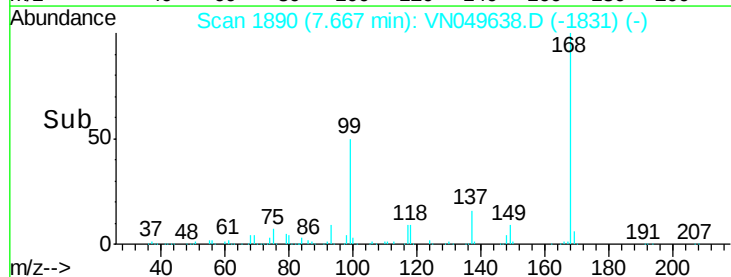
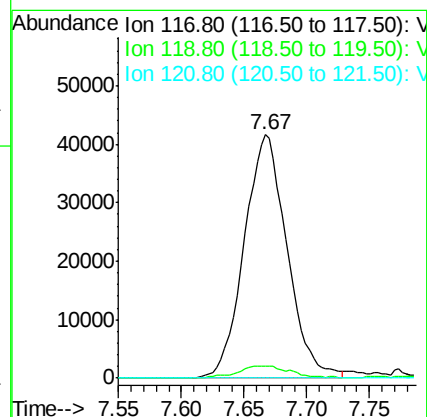
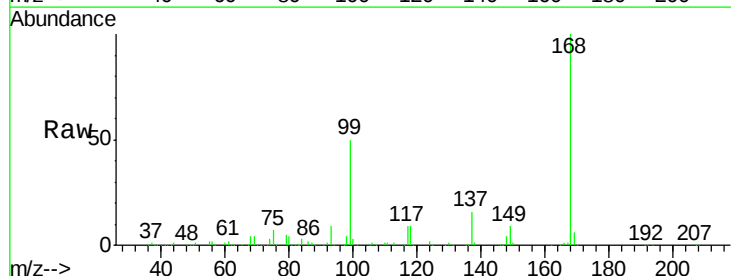
Tgt Ion: 117 Resp: 98934

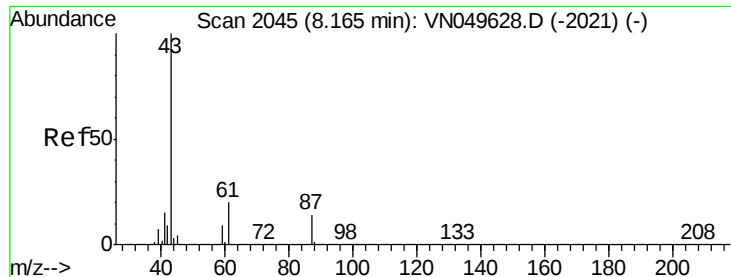
Ion Ratio Lower Upper

117 100

119 5.0 75.6 113.4#

121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 3.09 ug/l

RT: 8.23 min Scan# 2066

Delta R.T. 0.07 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_N

ClientSampleId :

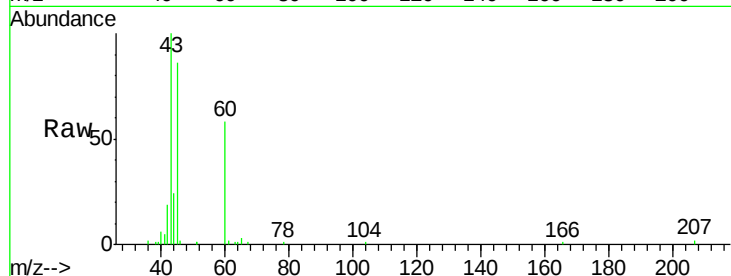
Tot Ion: 43 Resp: 83125

Ion Ratio Lower Upper

43 100

61 0.8 14.2 21.4#

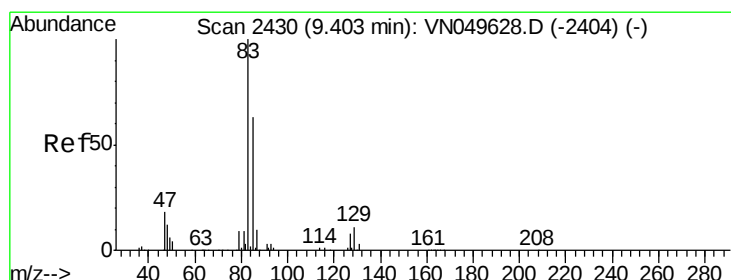
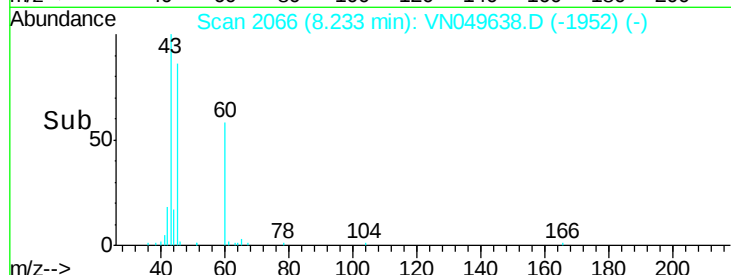
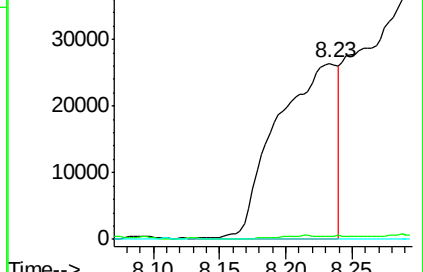
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049638.D (-2066) (-)

Ion 61.00 (60.70 to 61.70): VN049638.D (-2066) (-)

Ion 87.00 (86.70 to 87.70): VN049638.D (-2066) (-)



#47

Bromodichloromethane

Concen: 0.26 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

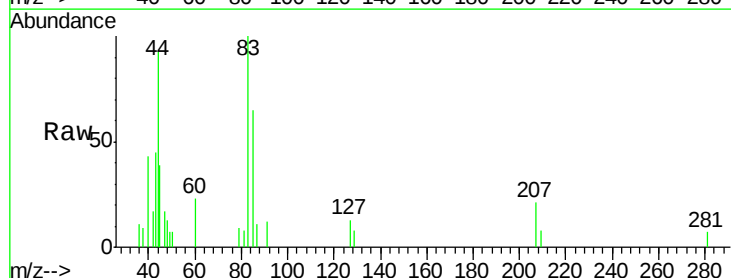
Tgt Ion: 83 Resp: 5258

Ion Ratio Lower Upper

83 100

85 65.1 49.4 74.0

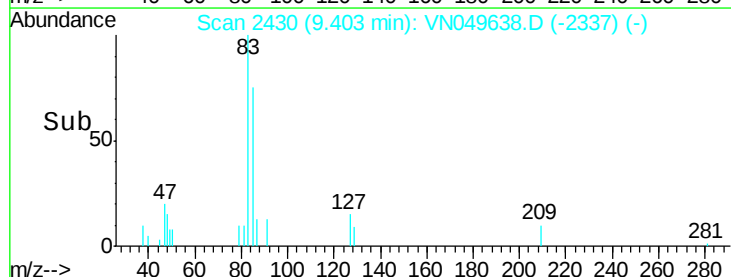
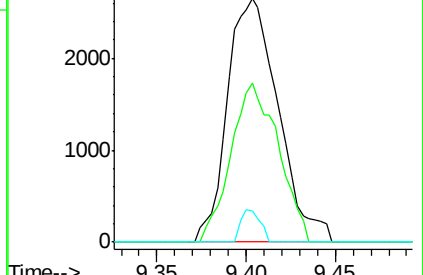
127 12.9 6.3 9.5#

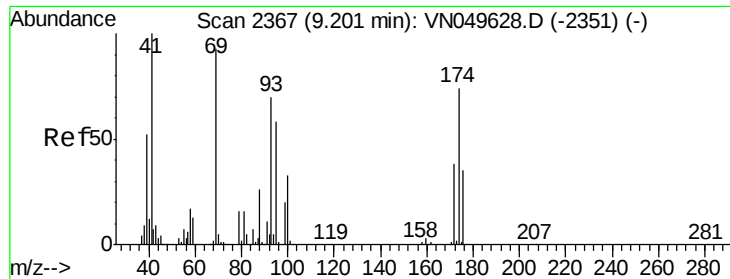


Abundance Ion 82.90 (82.60 to 83.60): VN049638.D (-2430) (-)

Ion 84.90 (84.60 to 85.60): VN049638.D (-2430) (-)

Ion 126.80 (126.50 to 127.50): VN049638.D (-2430) (-)

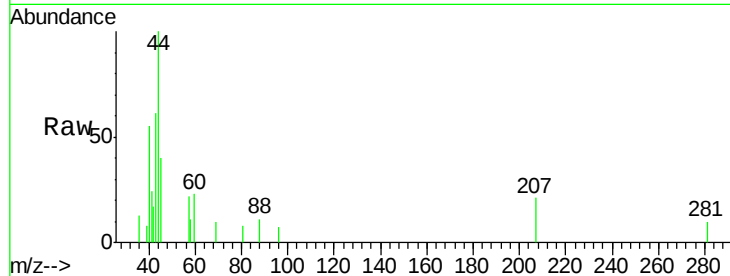




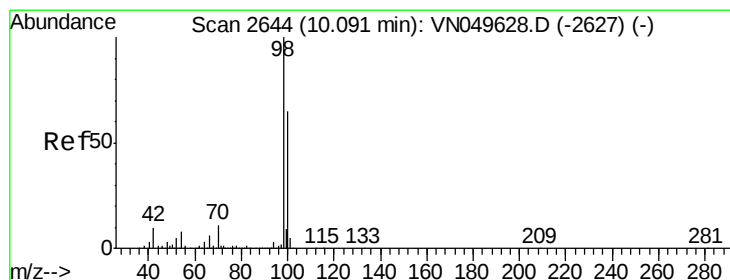
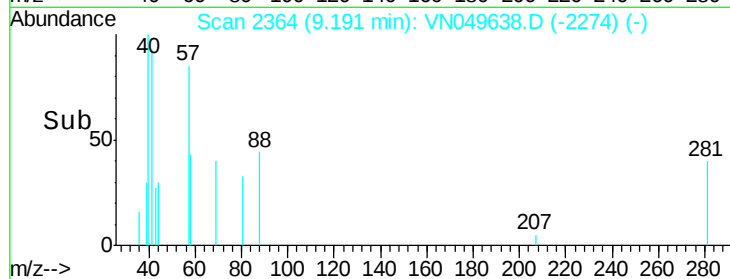
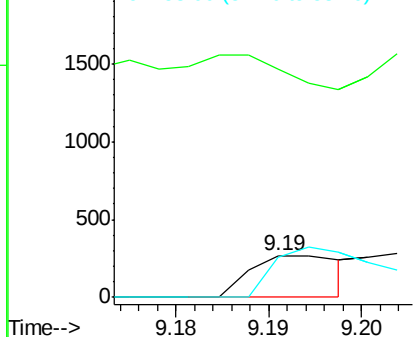
#49
1,4-Dioxane
Concen: 1.34 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. -0.01 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 184
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 150.0 58.9 88.3#

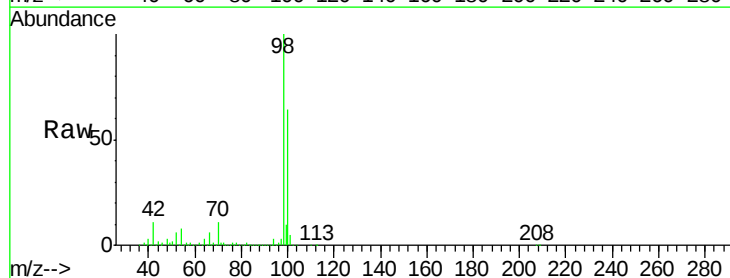


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

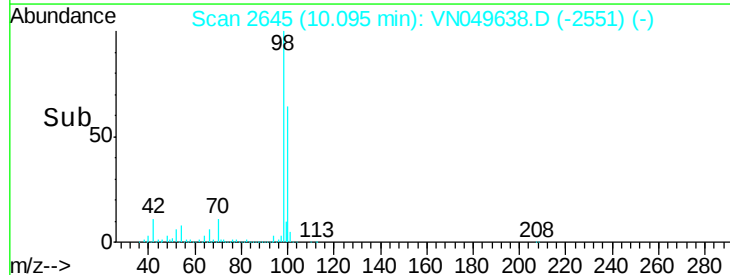
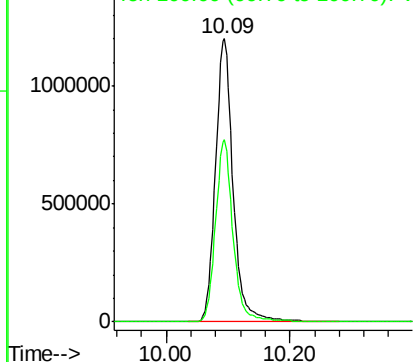


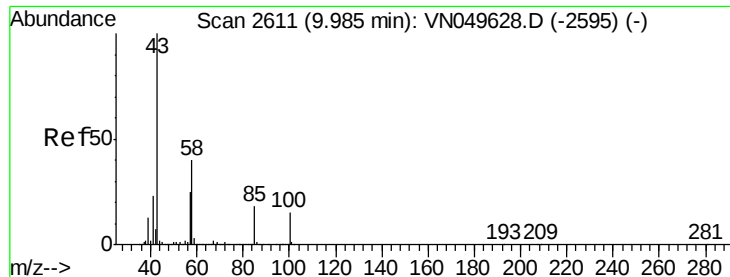
#50
Toluene-d8
Concen: 46.19 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 98 Resp: 2375429
Ion Ratio Lower Upper
98 100
100 64.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

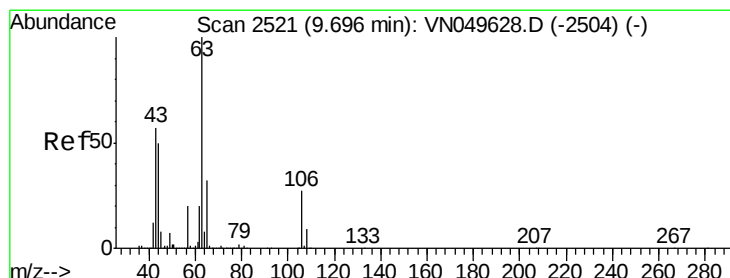
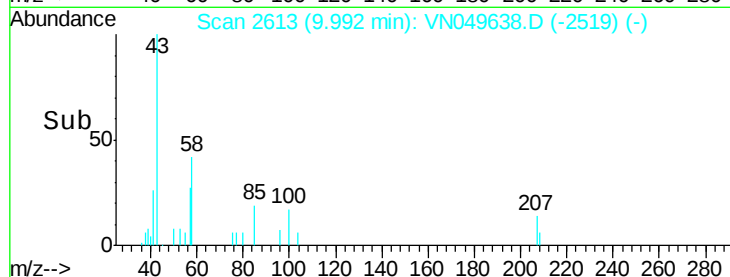
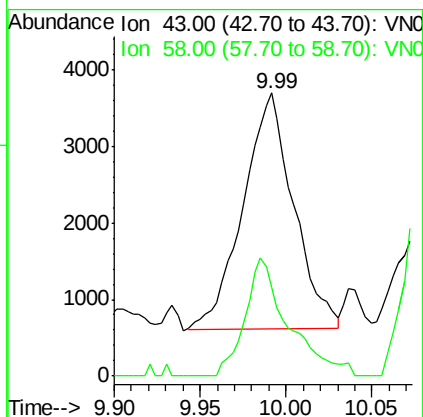
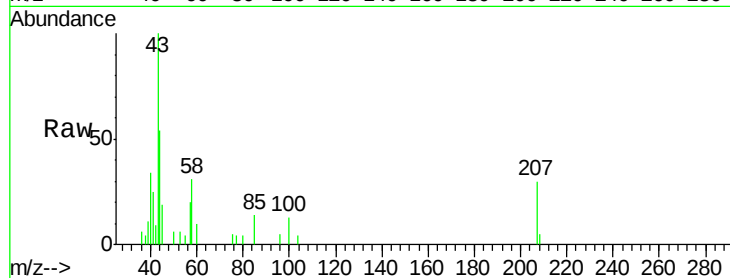




#51
 4-Methyl-2-Pentanone
 Concen: 0.56 ug/l
 RT: 9.99 min Scan# 2613
 Delta R.T. 0.00 min
 Lab File: VN049638.D
 Acq: 29 Jun 2018 18:15

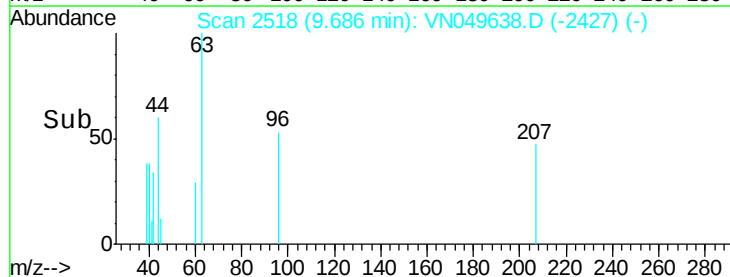
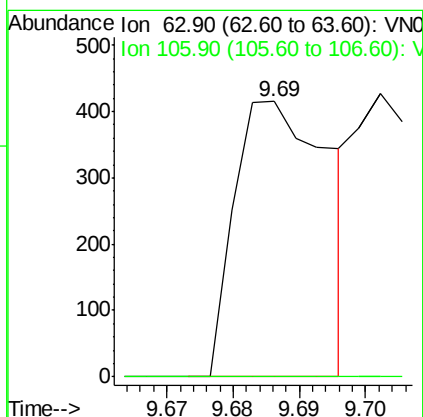
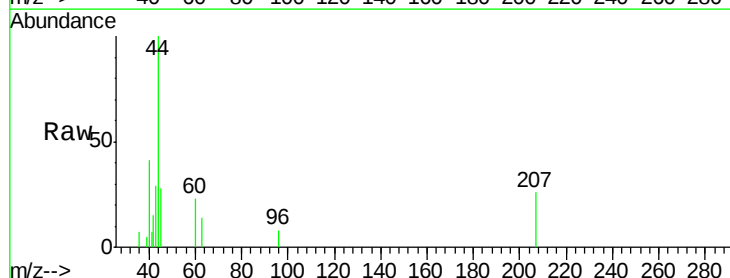
Instrument :
 MSVOA_N
 ClientSampled :

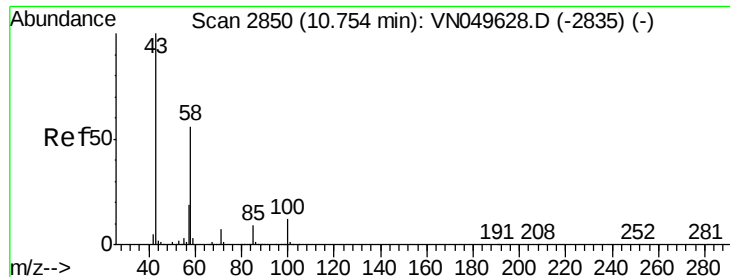
Tot Ion: 43 Resp: 6311
 Ion Ratio Lower Upper
 43 100
 58 42.8 29.0 43.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.24 ug/l
 RT: 9.69 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: VN049638.D
 Acq: 29 Jun 2018 18:15

Tgt Ion: 63 Resp: 411
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#

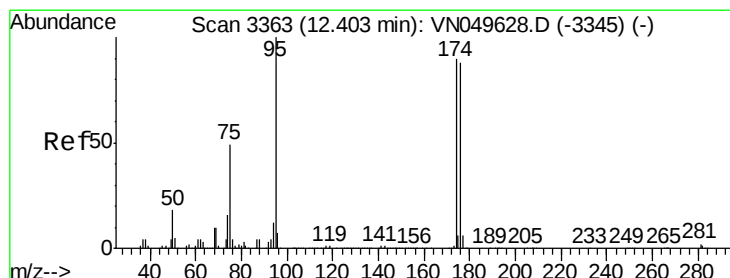
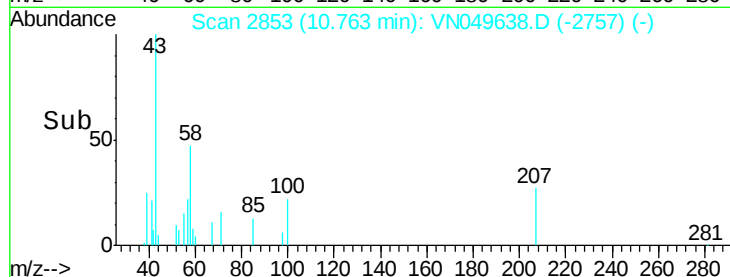
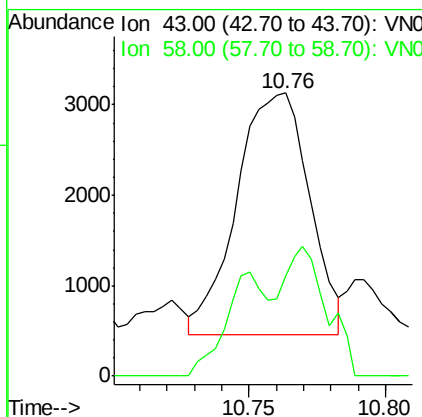
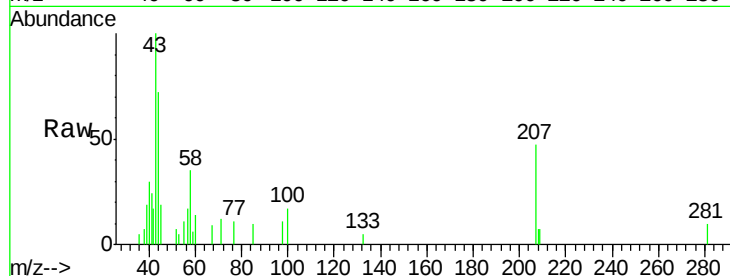




#59
2-Hexanone
Concen: 0.66 ug/l
RT: 10.76 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

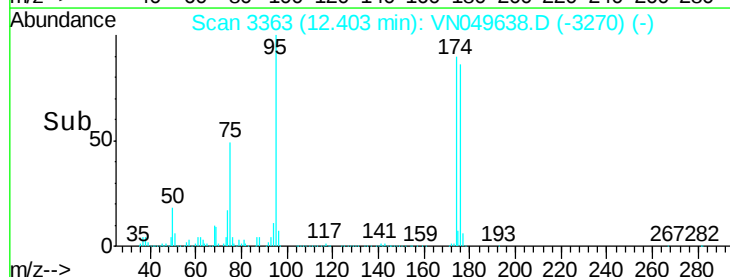
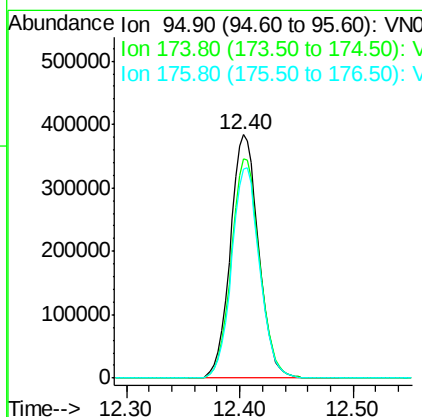
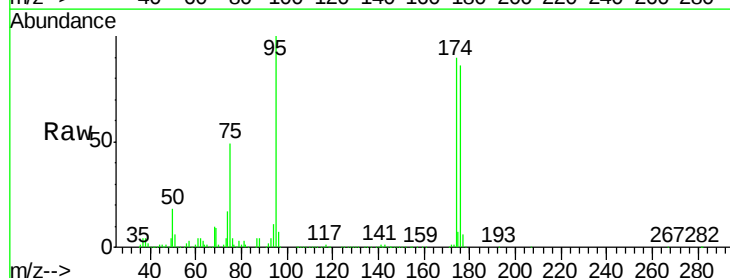
Instrument :
MSVOA_N
ClientSampleId :

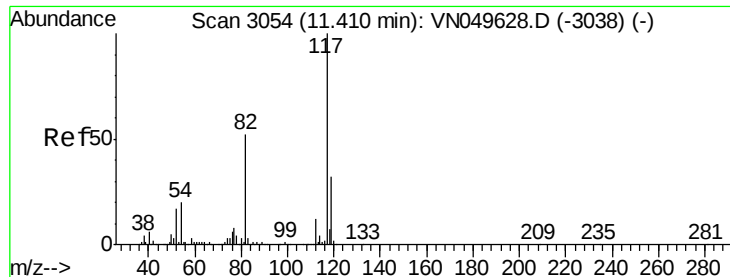
Tot Ion: 43 Resp: 4955
Ion Ratio Lower Upper
43 100
58 33.6 25.2 75.6



#62
4-Bromofluorobenzene
Concen: 37.93 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 95 Resp: 666038
Ion Ratio Lower Upper
95 100
174 90.2 0.0 165.6
176 85.7 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: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_N

ClientSampled :

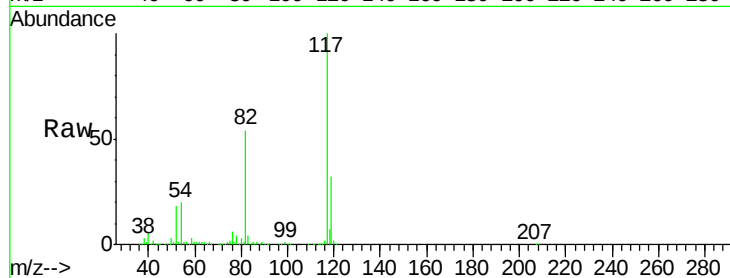
Tot Ion:117 Resp: 1449486

Ion Ratio Lower Upper

117 100

82 54.0 45.9 68.9

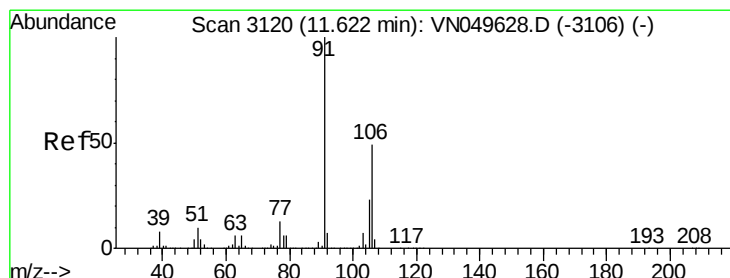
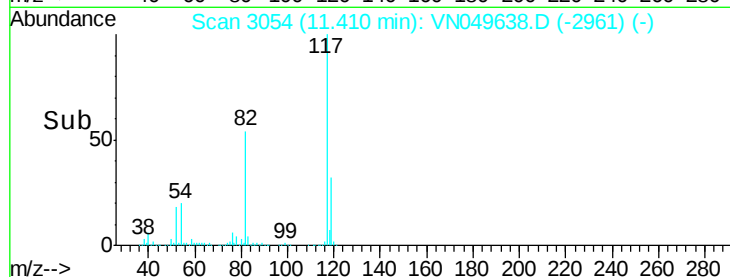
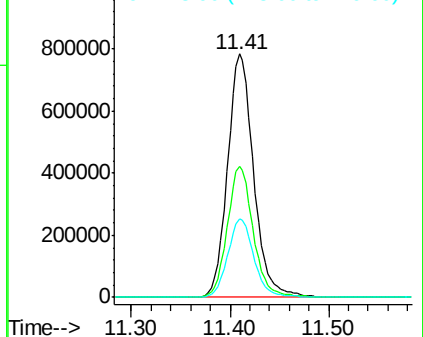
119 32.2 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 0.28 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049638.D

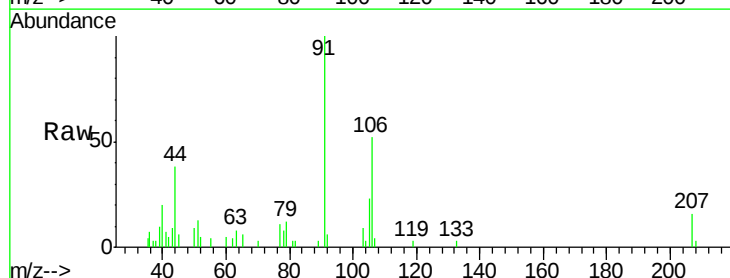
Acq: 29 Jun 2018 18:15

Tgt Ion:106 Resp: 6588

Ion Ratio Lower Upper

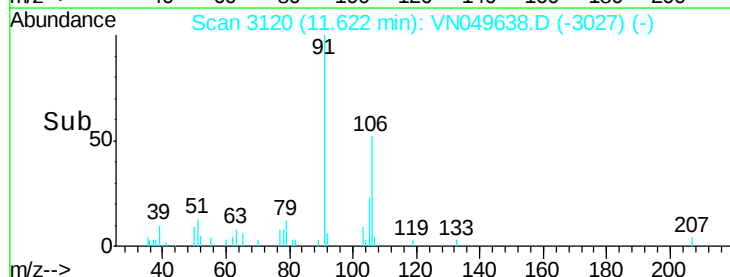
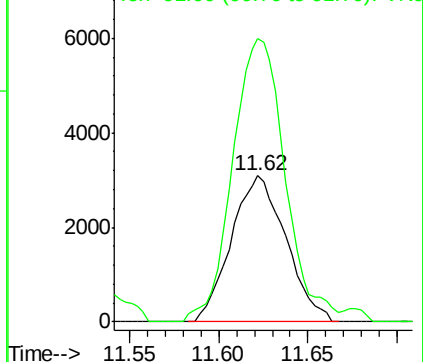
106 100

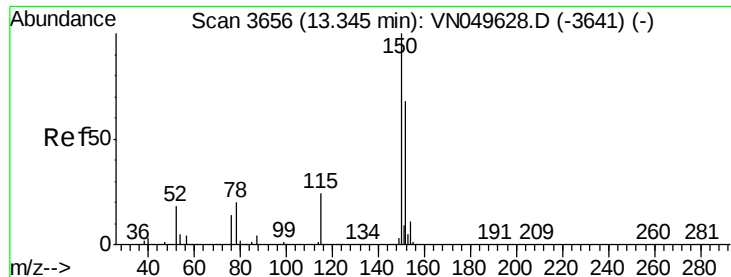
91 185.8 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_N

ClientSampleId :

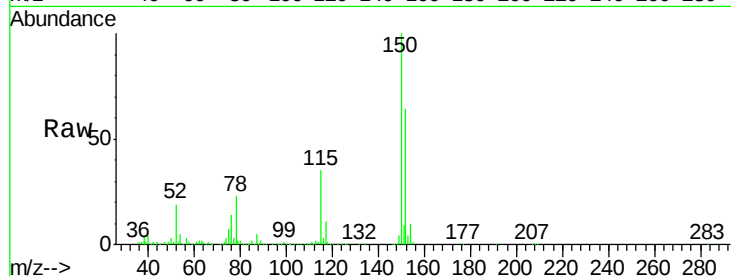
Tot Ion:152 Resp: 524085

Ion Ratio Lower Upper

152 100

115 56.4 28.7 86.1

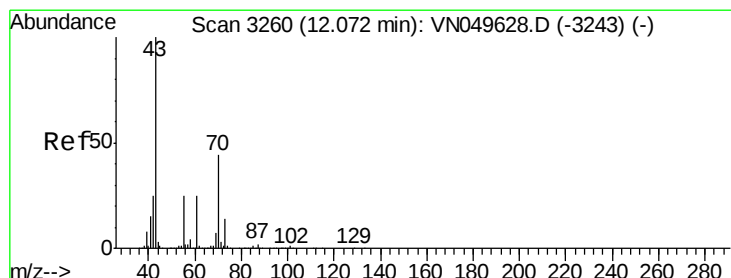
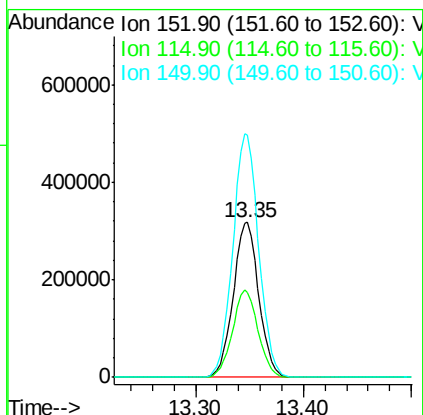
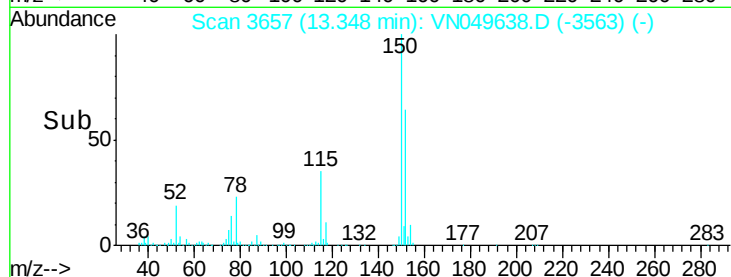
150 158.6 0.0 351.0



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



#74

N-ethyl acetate

Concen: 0.25 ug/l

RT: 12.08 min Scan# 3262

Delta R.T. 0.01 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Tgt Ion: 43 Resp: 2852

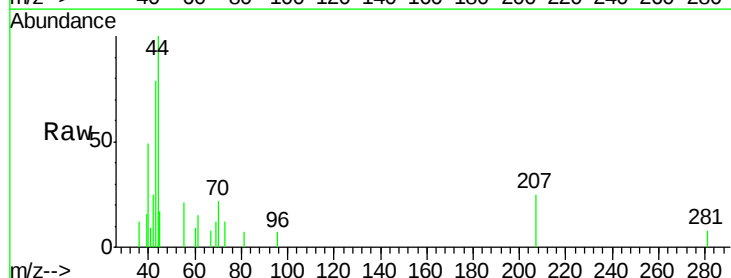
Ion Ratio Lower Upper

43 100

70 33.2 30.3 45.5

55 31.2 19.4 29.2#

61 18.0 17.8 26.6

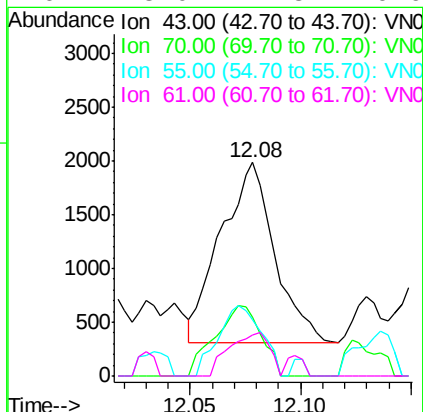
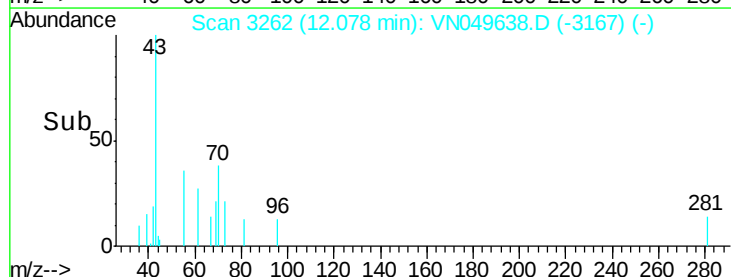


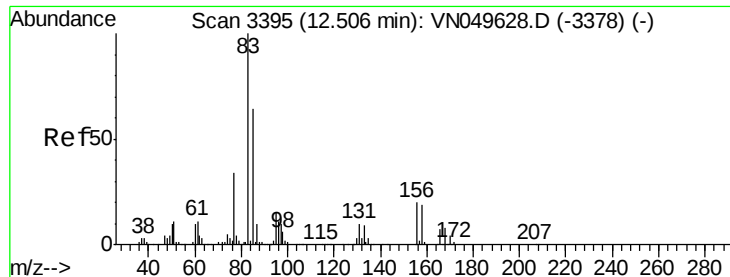
Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_N

ClientSampleId :

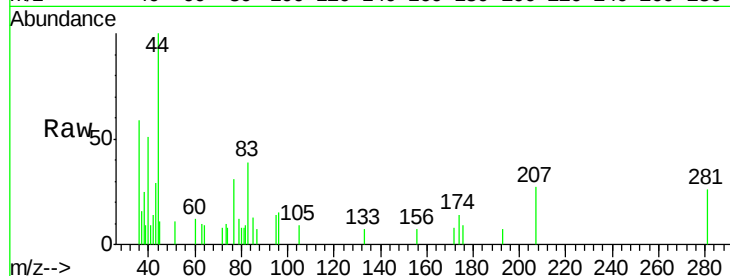
Tot Ion: 83 Resp: 1297

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

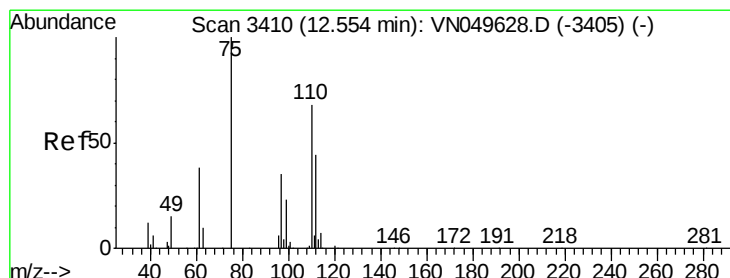
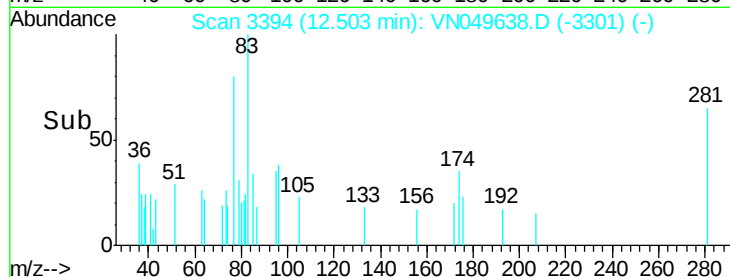
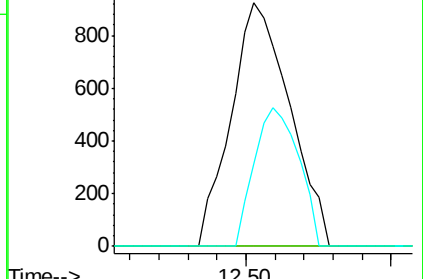
85 43.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 39.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049638.D

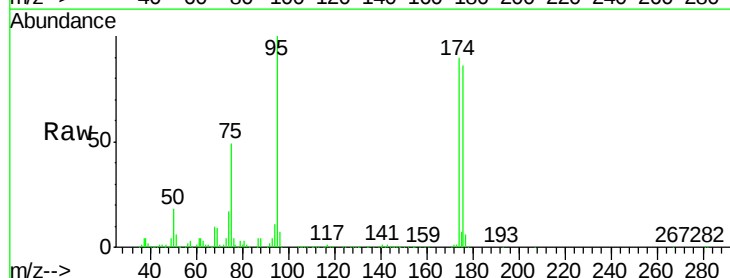
Acq: 29 Jun 2018 18:15

Tgt Ion: 75 Resp: 321148

Ion Ratio Lower Upper

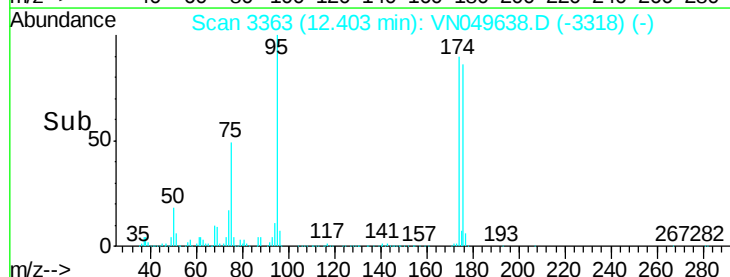
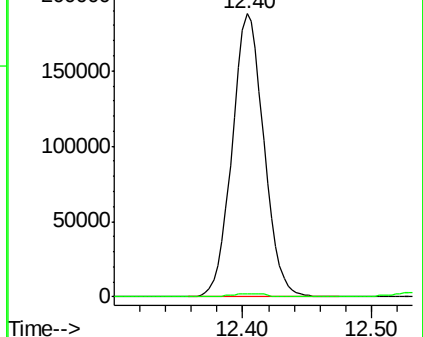
75 100

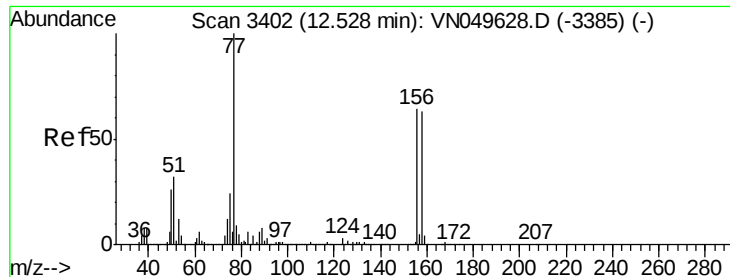
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 0.25 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_N

ClientSampleId :

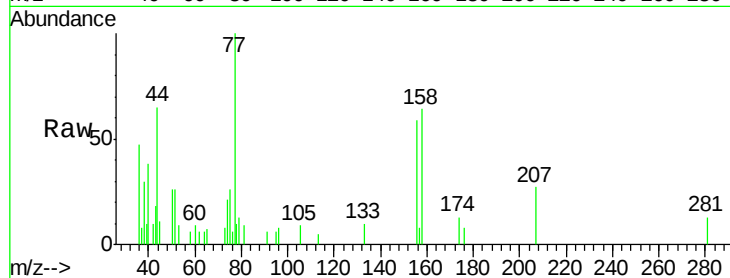
Tot Ion:156 Resp: 2853

Ion Ratio Lower Upper

156 100

77 154.0 100.8 302.4

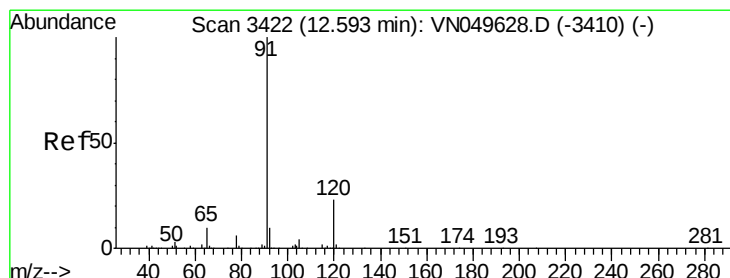
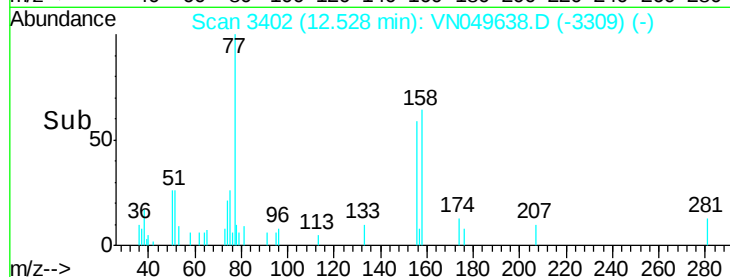
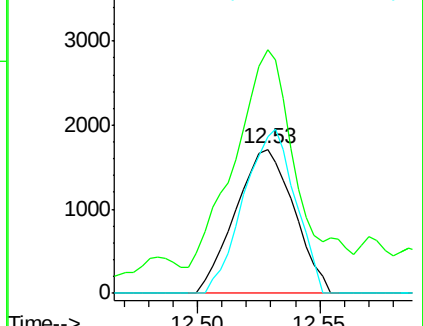
158 100.6 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.20 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049638.D

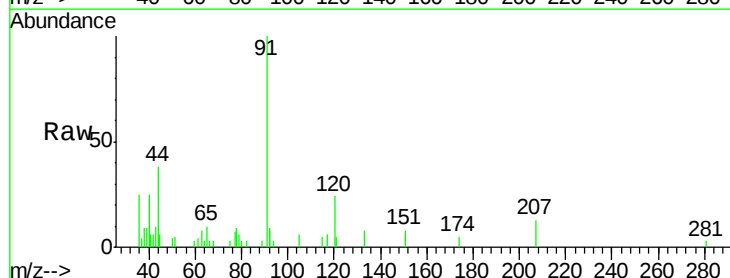
Acq: 29 Jun 2018 18:15

Tgt Ion: 91 Resp: 9654

Ion Ratio Lower Upper

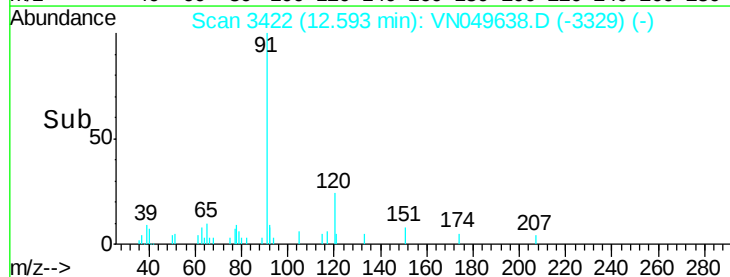
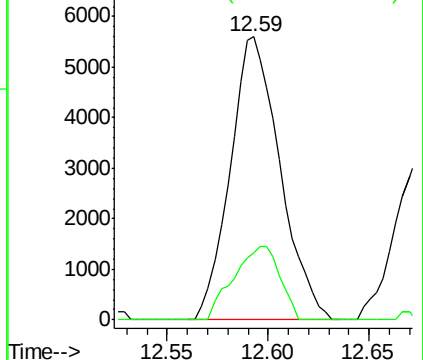
91 100

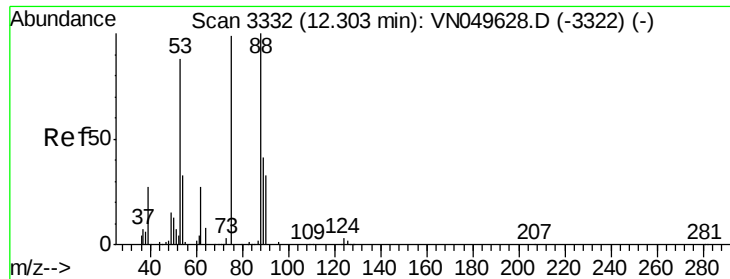
120 24.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

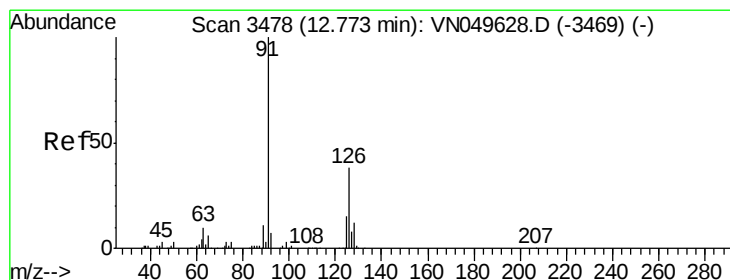
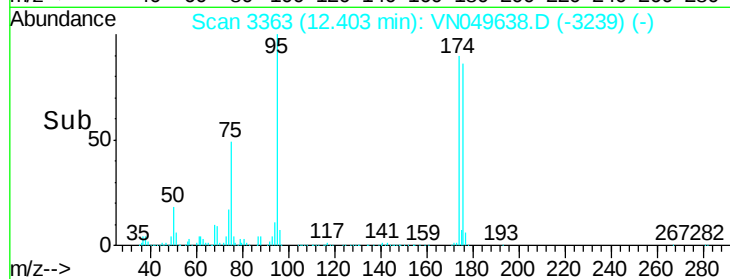
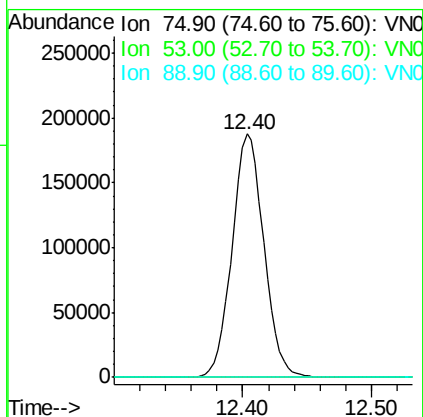
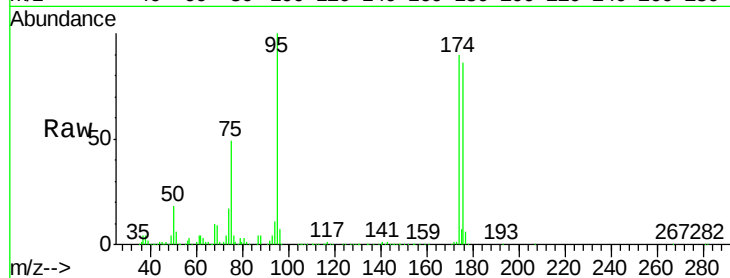




#81
trans-1,4-Dichloro-2-butene
Concen: 129.77 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

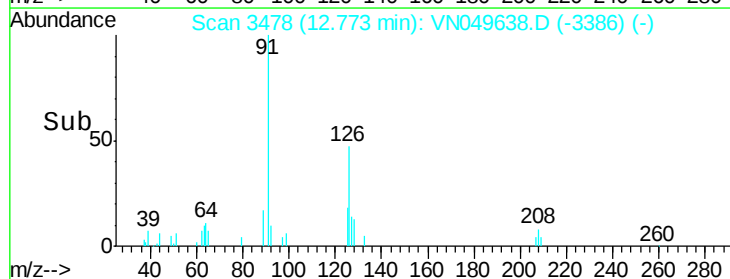
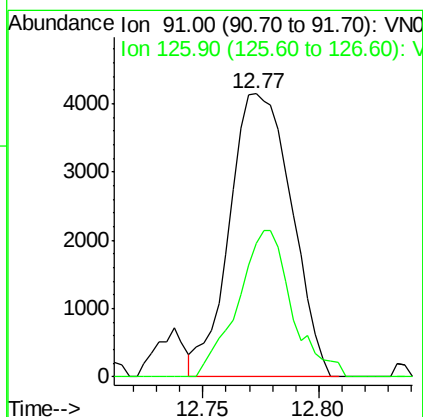
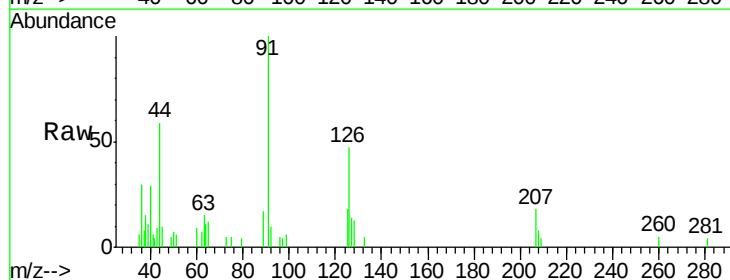
Instrument :
MSVOA_N
ClientSampled :

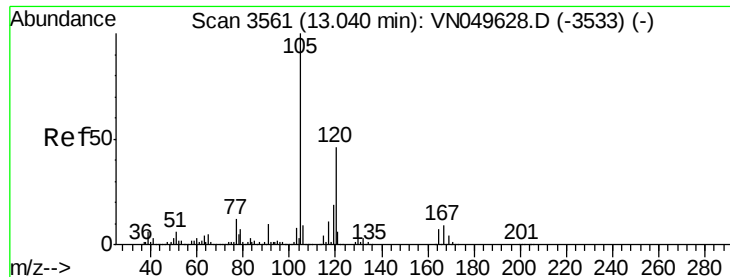
Tot Ion: 75 Resp: 321148
Ion Ratio Lower Upper
75 100
53 0.2 82.7 124.1#
89 0.0 36.5 54.7#



#82
4-Chlorotoluene
Concen: 0.25 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 91 Resp: 7704
Ion Ratio Lower Upper
91 100
126 45.2 16.4 49.1





#84

1,2,4-Trimethylbenzene

Concen: 0.22 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_N

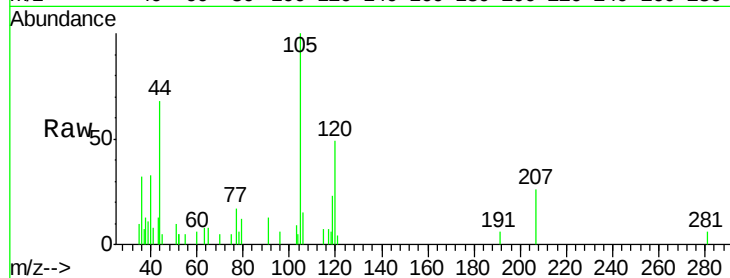
ClientSampled :

Tot Ion:105 Resp: 7990

Ion Ratio Lower Upper

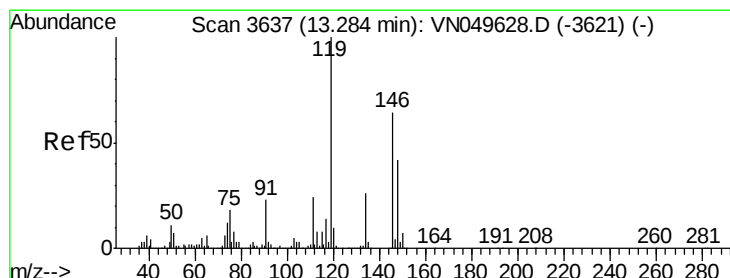
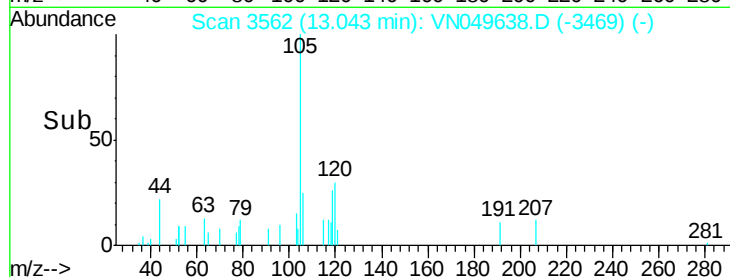
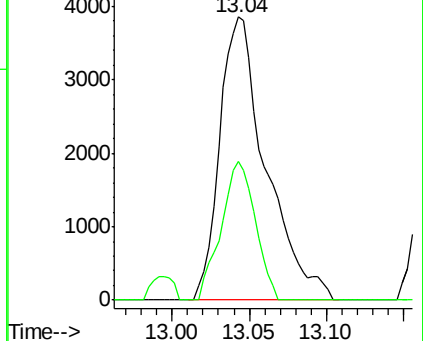
105 100

120 36.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

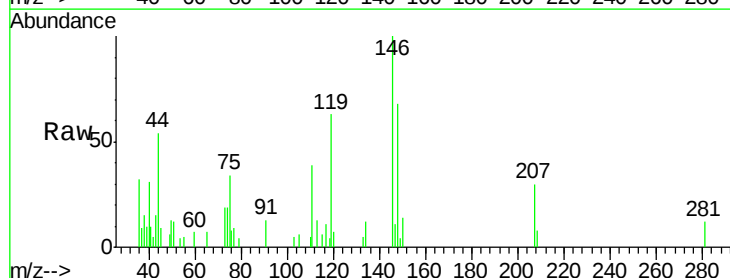
Tgt Ion:146 Resp: 6902

Ion Ratio Lower Upper

146 100

111 42.1 19.9 59.6

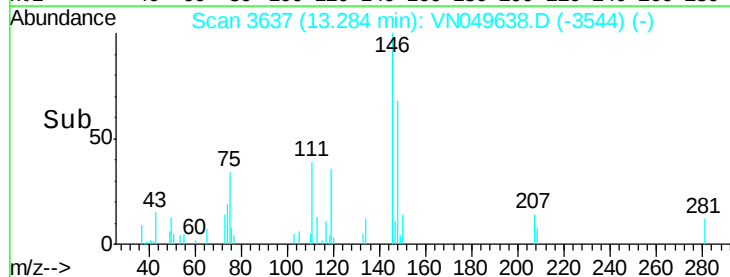
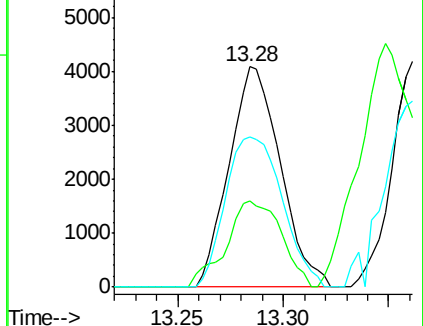
148 75.7 32.1 96.5

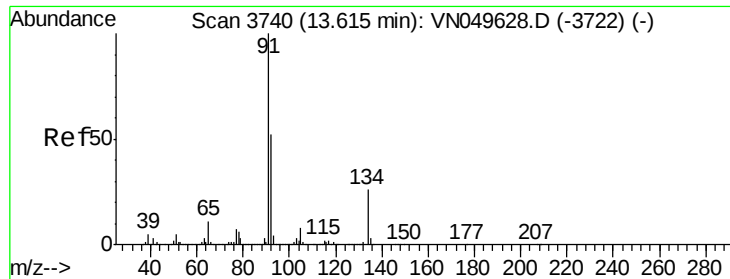


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

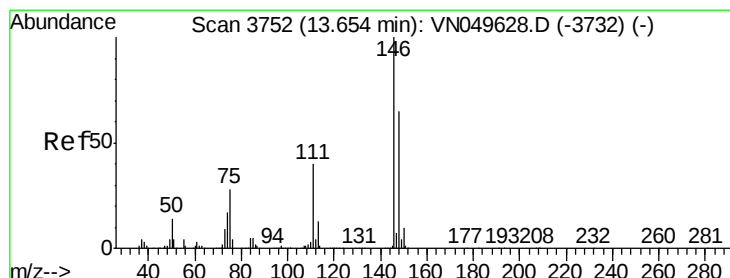
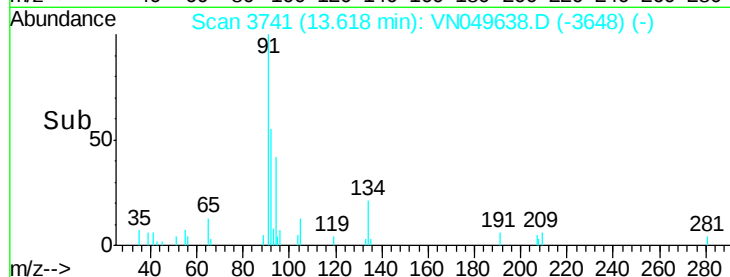
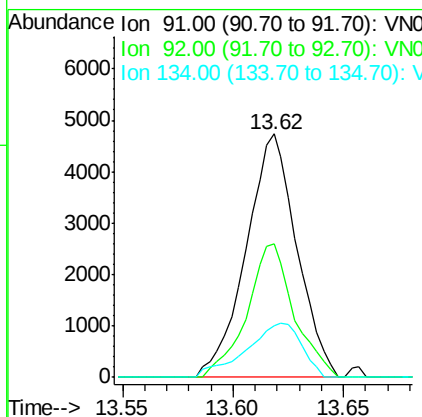
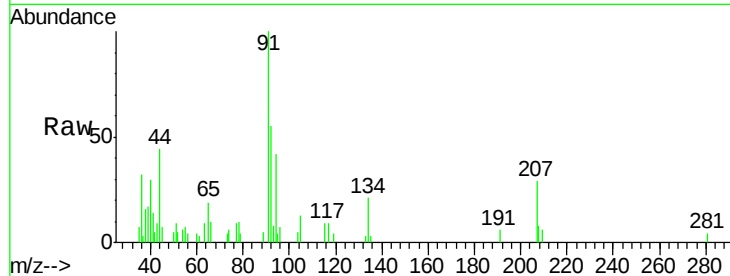




#89
n-Butylbenzene
Concen: 0.26 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

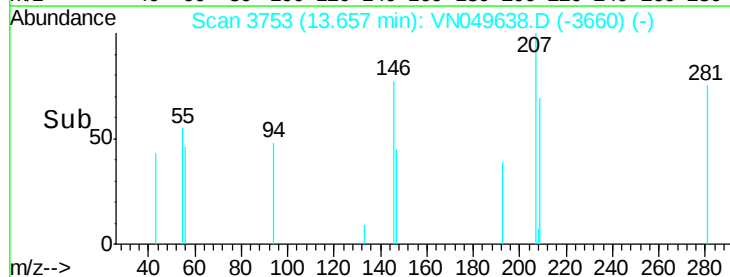
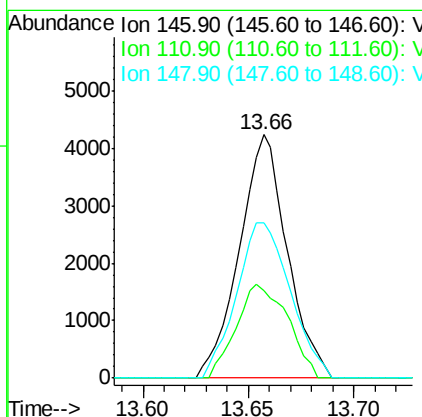
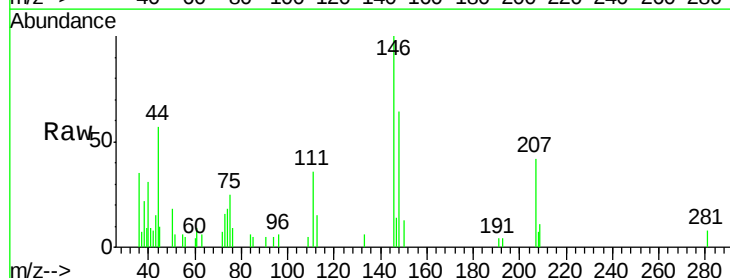
Instrument :
MSVOA_N
ClientSampled :

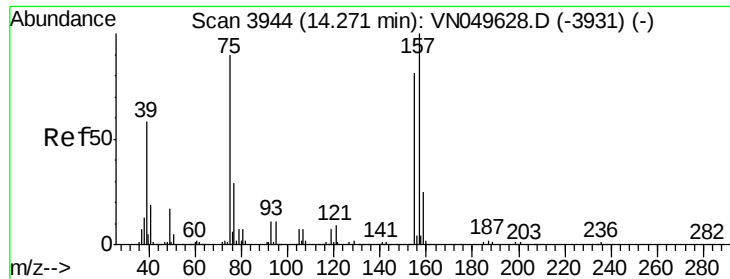
Tot Ion: 91 Resp: 7551
Ion Ratio Lower Upper
91 100
92 50.8 25.1 75.4
134 24.2 12.0 36.0



#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.66 min Scan# 3753
Delta R.T. 0.00 min
Lab File: VN049638.D
Acq: 29 Jun 2018 18:15

Tgt Ion: 146 Resp: 6679
Ion Ratio Lower Upper
146 100
111 41.2 20.8 62.2
148 71.7 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3947

Delta R.T. 0.01 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_N

ClientSampled :

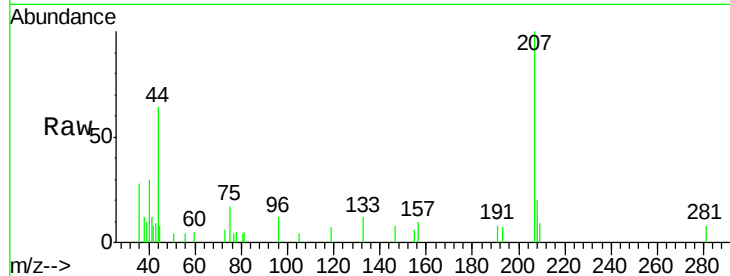
Tot Ion: 75 Resp: 1101

Ion Ratio Lower Upper

75 100

155 44.6 38.8 116.3

157 71.3 51.0 153.1

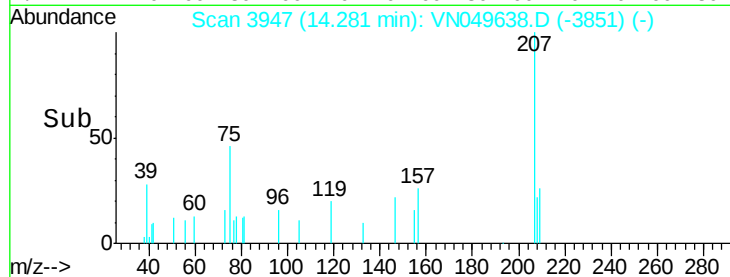


Abundance Ion 74.90 (74.60 to 75.60): VN049638.D (-3931) (-)

Ion 154.80 (154.50 to 155.50): VN049638.D (-3931) (-)

Ion 156.80 (156.50 to 157.50): VN049638.D (-3931) (-)

Time-->

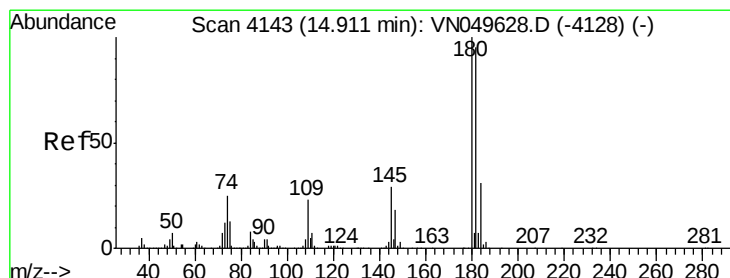


Abundance Ion 74.90 (74.60 to 75.60): VN049638.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049638.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049638.D (-3851) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.13 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

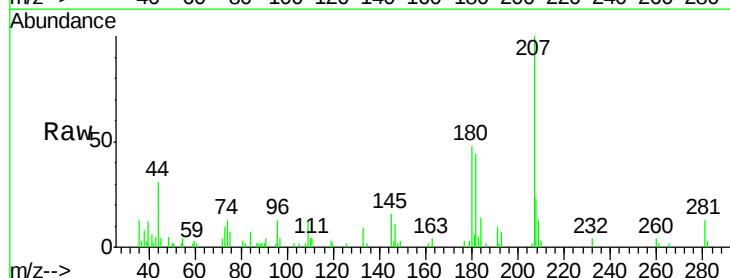
Tgt Ion: 180 Resp: 7376

Ion Ratio Lower Upper

180 100

182 97.8 46.9 140.8

145 32.1 14.7 44.1

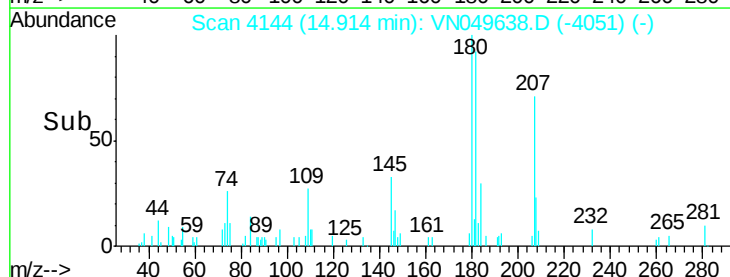


Abundance Ion 179.80 (179.50 to 180.50): VN049638.D (-4128) (-)

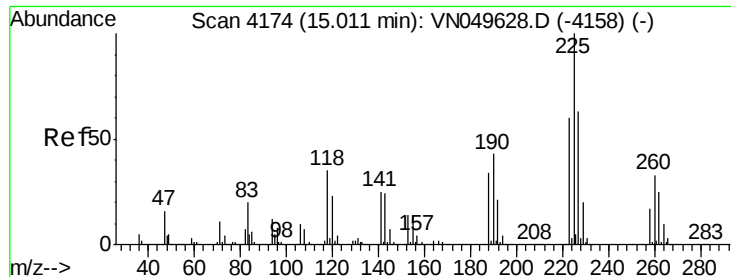
Ion 181.80 (181.50 to 182.50): VN049638.D (-4128) (-)

Ion 144.80 (144.50 to 145.50): VN049638.D (-4128) (-)

Time-->



Time-->



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

Instrument :

MSVOA_N

ClientSampled :

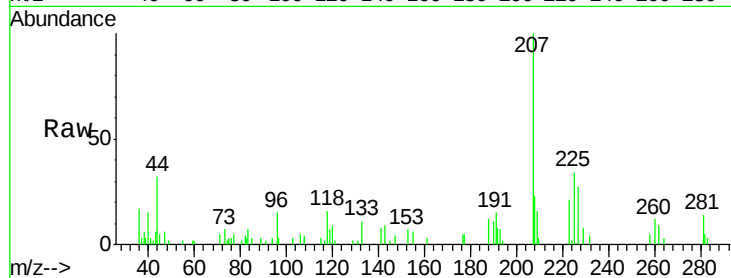
Tot Ion:225 Resp: 4268

Ion Ratio Lower Upper

225 100

223 64.7 32.1 96.3

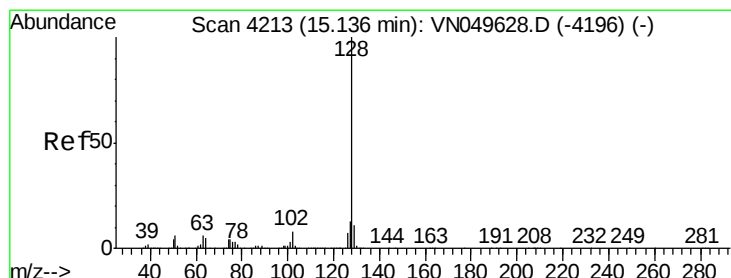
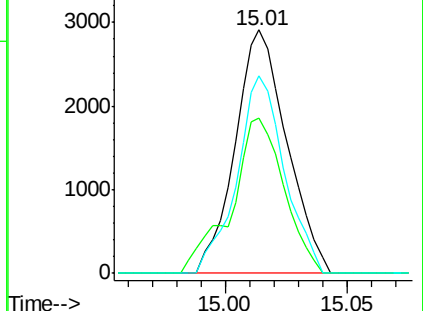
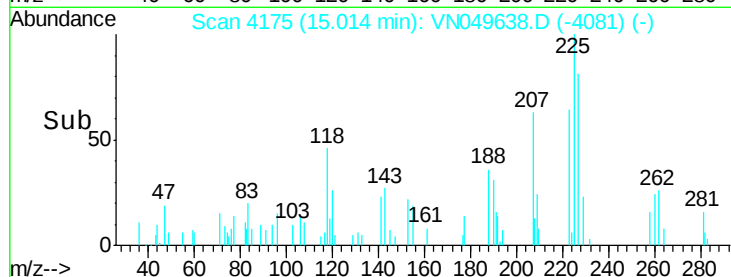
227 74.4 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.99 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049638.D

Acq: 29 Jun 2018 18:15

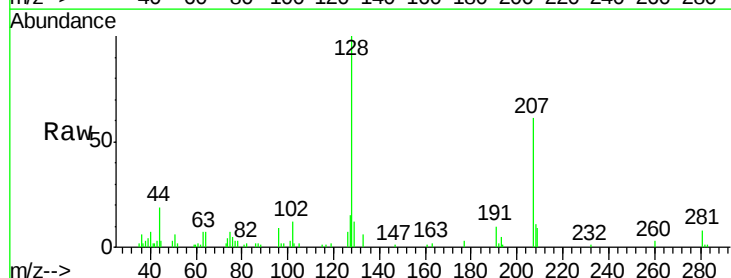
Tgt Ion:128 Resp: 27914

Ion Ratio Lower Upper

128 100

127 16.3 10.6 16.0#

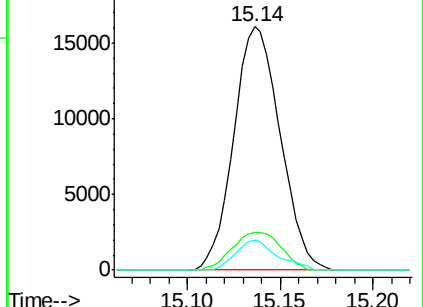
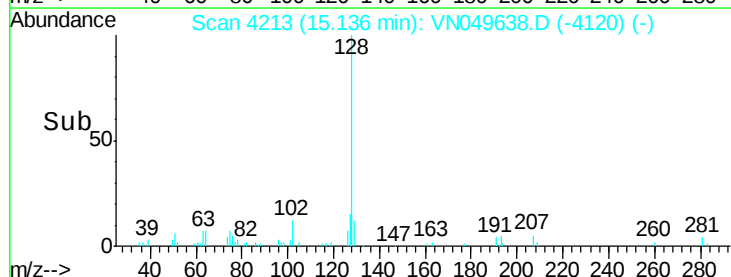
129 11.1 8.5 12.7

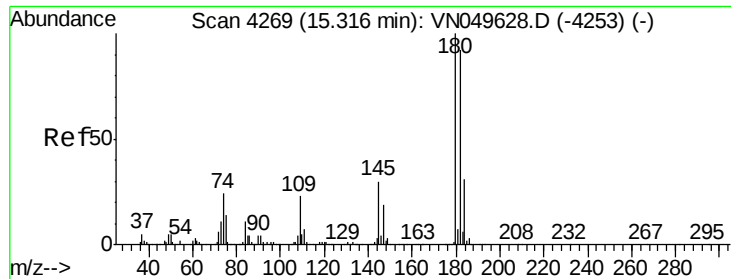


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.62 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049638.D
 Acq: 29 Jun 2018 18:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.0	47.3	141.8
145	28.7	15.6	46.7

