

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051257.D
 Acq On : 16 Sep 2018 6:13
 Operator : MD\SY
 Sample : J4936-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 04:28:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	444707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	650756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	536671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	196782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	231536	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	7.59	113	242270	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.09	98	871560	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
62) 4-Bromofluorobenzene	12.40	95	241662	39.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.74%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	1636	Below Cal	#	86
5) Bromomethane	2.58	94	1767	Below Cal		100
16) Acetone	3.82	43	11521	3.66	ug/l	100
18) Methyl Acetate	4.33	43	11975	3.02	ug/l #	72
20) Methylene Chloride	4.55	84	20765	3.80	ug/l	96
25) 2-Butanone	6.85	43	1913	0.98	ug/l #	46
29) Tetrahydrofuran	7.22	42	608	0.50	ug/l #	31
30) Chloroform	7.38	83	5908	0.65	ug/l	95
31) Cyclohexane	7.66	56	65941	7.93	ug/l #	87
36) 1,1-Dichloropropene	7.67	75	28215	3.95	ug/l #	55
38) Carbon Tetrachloride	7.67	117	37503	5.33	ug/l #	16
39) Methylcyclohexane	9.08	83	128152	16.26	ug/l	95
41) Methacrylonitrile	7.23	41	625	0.29	ug/l #	13
43) Isopropyl Acetate	8.17	43	195869	26.83	ug/l #	82
45) 1,2-Dichloropropane	9.08	63	1614	0.29	ug/l #	1
46) Dibromomethane	9.08	93	705	0.21	ug/l #	34
48) Methyl methacrylate	9.18	41	3337	0.94	ug/l #	10
51) 4-Methyl-2-Pentanone	9.98	43	1852	0.46	ug/l	92
52) Toluene	10.16	92	2770	0.21	ug/l #	74
55) 1,1,2-Trichloroethane	10.53	97	10775	2.26	ug/l #	19
56) Ethyl methacrylate	10.43	69	5112	3.21	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.67	63	218	15.30	ug/l #	47
59) 2-Hexanone	10.77	43	7401	2.70	ug/l #	57
67) Ethyl Benzene	11.51	91	79719	3.64	ug/l	99
68) m/p-Xylenes	11.62	106	14885	1.77	ug/l	97
69) o-Xylene	11.95	106	3482	0.43	ug/l	85
73) Isopropylbenzene	12.25	105	157893	9.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	564	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	112229	36.38	ug/l #	100
78) n-propylbenzene	12.59	91	168579	9.29	ug/l	99
79) 2-Chlorotoluene	12.59	91	168579	14.87	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	49354	3.70	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	112229	108.31	ug/l #	16
82) 4-Chlorotoluene	12.89	91	12450	1.11	ug/l #	40

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 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

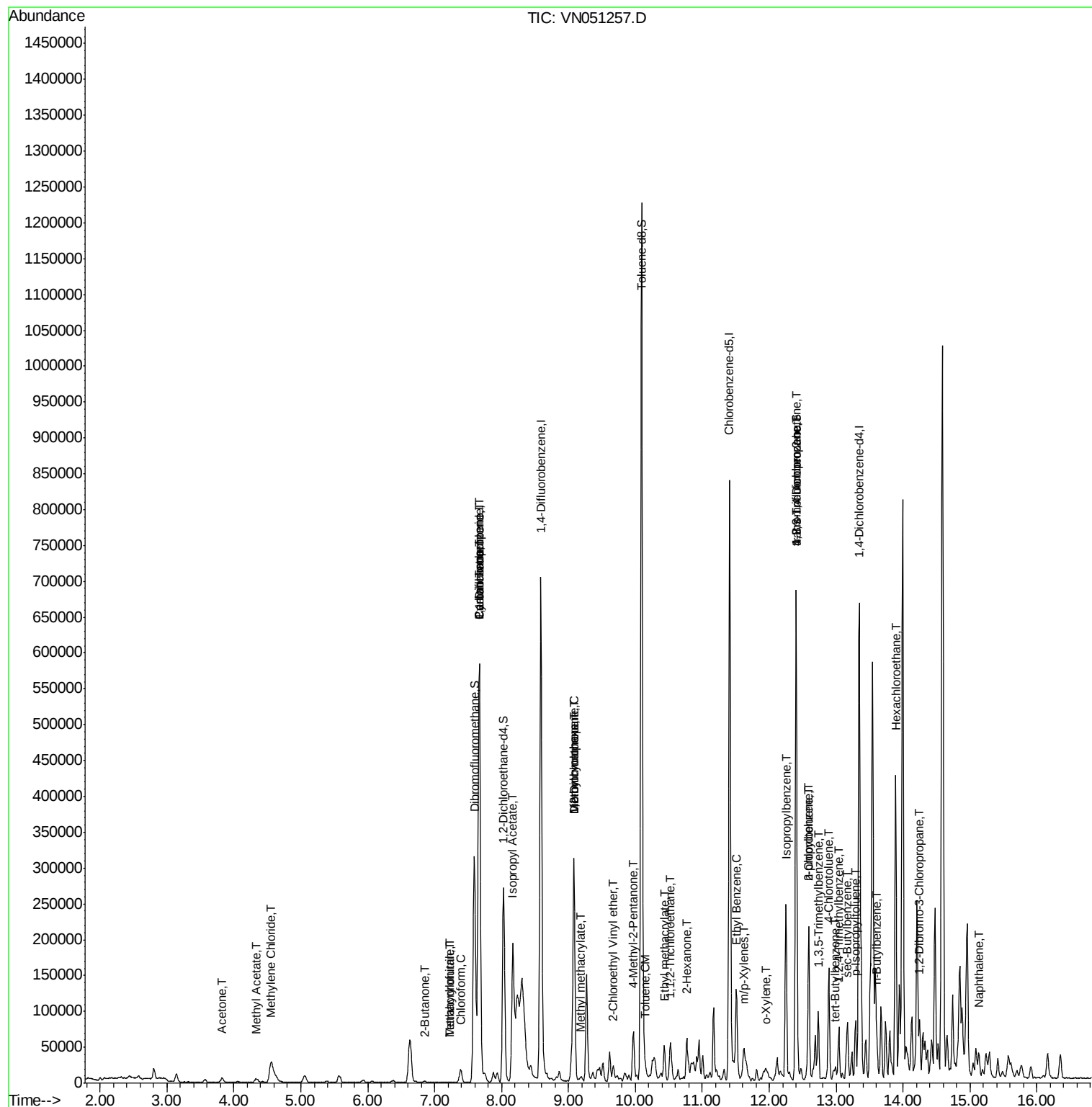
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	12.99	119	8067	0.68	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	40589	3.09	ug/l	98
85) sec-Butylbenzene	13.17	105	47154	3.12	ug/l	80
86) p-Isopropyltoluene	13.29	119	46132	3.60	ug/l	100
89) n-Butylbenzene	13.61	91	18533	1.86	ug/l #	71
90) Hexachloroethane	13.89	117	24335	9.94	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	649	1.79	ug/l #	1
95) Naphthalene	15.13	128	28974	8.84	ug/l	96

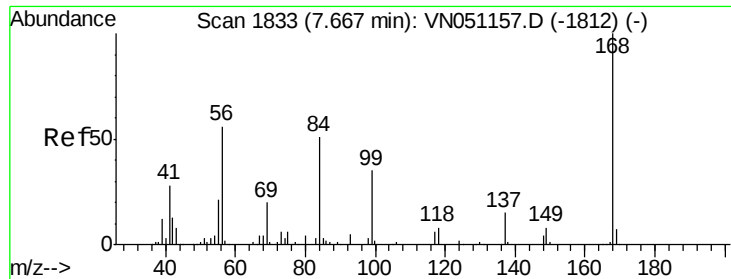
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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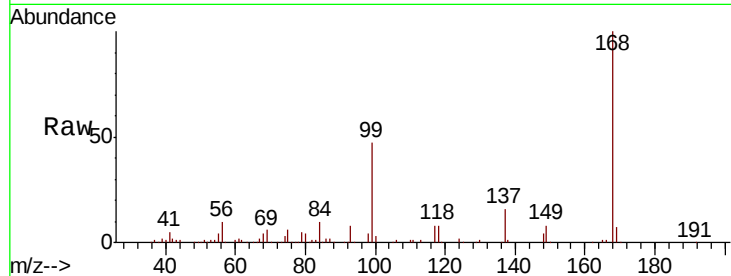


#1

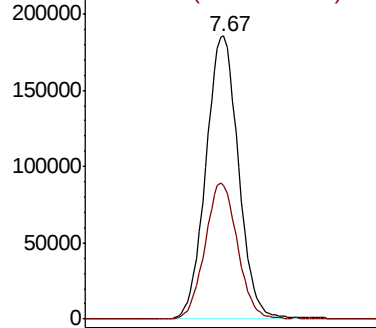
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

Instrument :
 MSVOA_N
 ClientSampled :

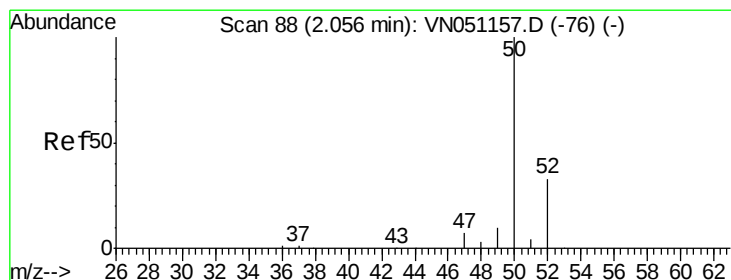
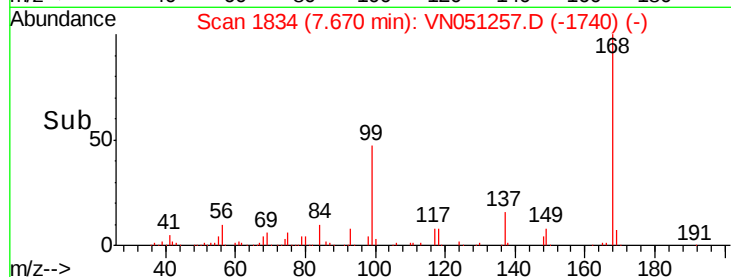
Tot Ion:168 Resp: 444707
 Ion Ratio Lower Upper
 168 100
 99 47.0 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VNO



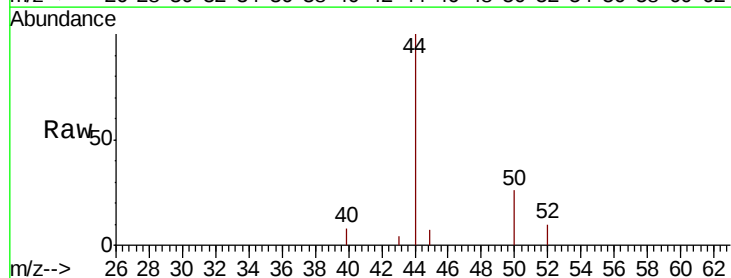
Time-->



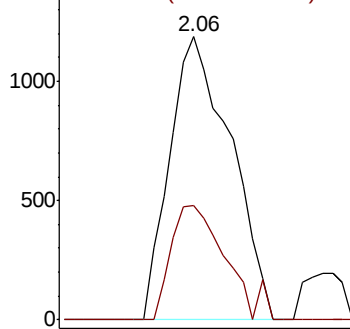
#3

Chloromethane
 Concen: Below Cal
 RT: 2.06 min Scan# 88
 Delta R.T. 0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

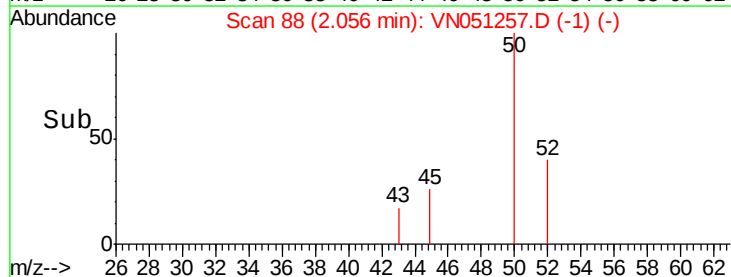
Tgt Ion: 50 Resp: 1636
 Ion Ratio Lower Upper
 50 100
 52 40.4 26.0 39.0#

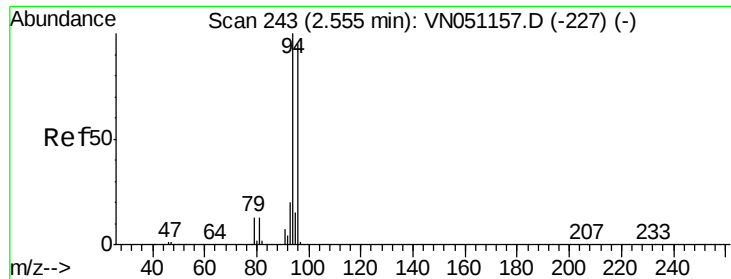


Abundance Ion 49.90 (49.60 to 50.60): VNO
 Ion 51.90 (51.60 to 52.60): VNO



Time-->

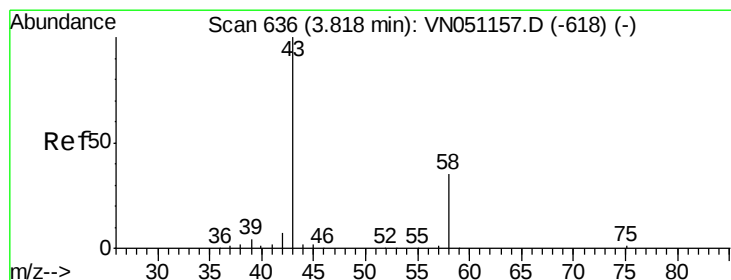
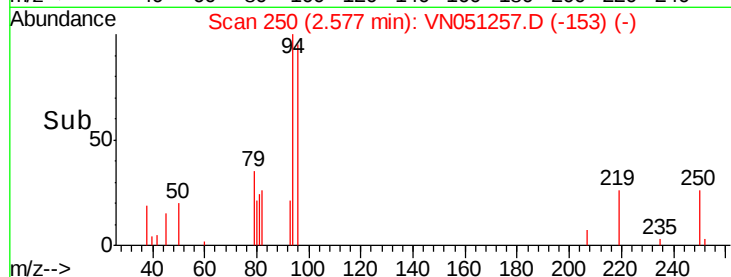
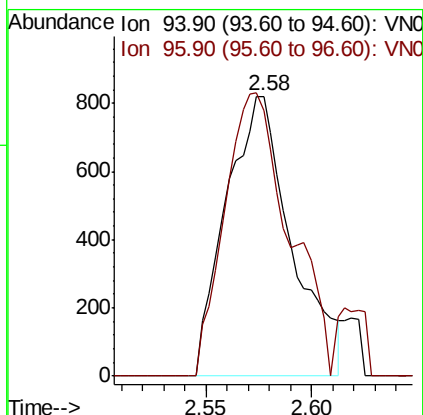
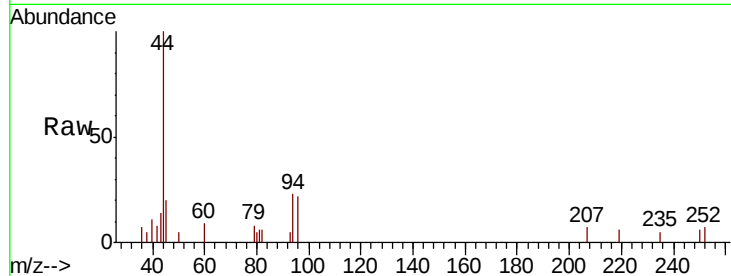




#5
Bromomethane
Concen: Below Cal
RT: 2.58 min Scan# 250
Delta R.T. 0.01 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

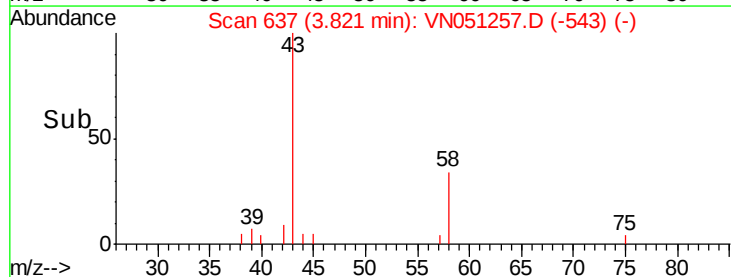
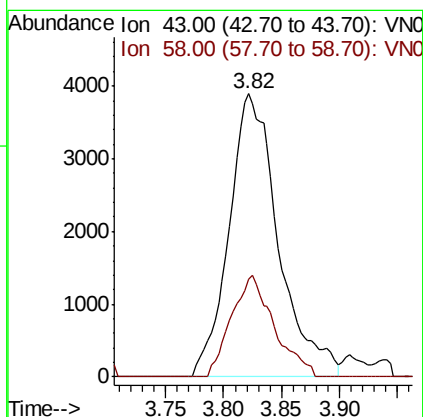
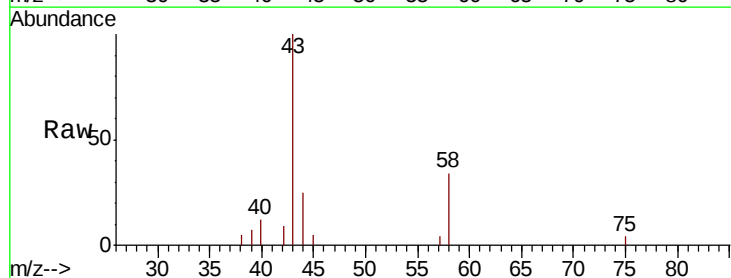
Instrument :
MSVOA_N
ClientSampleId :

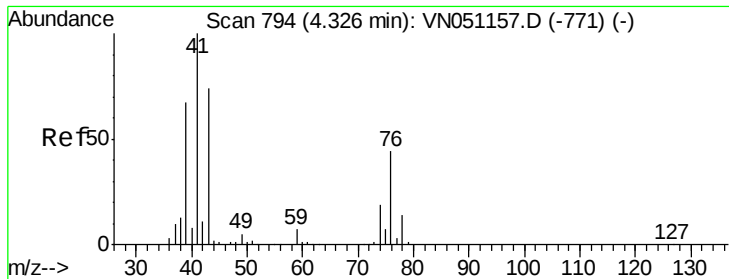
Tot Ion: 94 Resp: 1767
Ion Ratio Lower Upper
94 100
96 94.9 75.9 113.9



#16
Acetone
Concen: 3.66 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion: 43 Resp: 11521
Ion Ratio Lower Upper
43 100
58 34.5 27.8 41.6

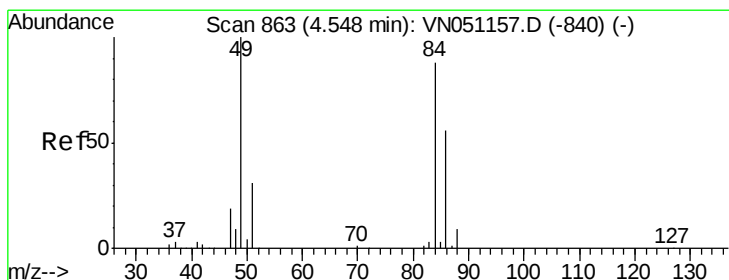
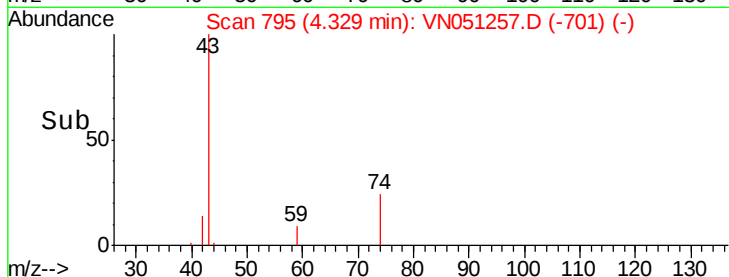
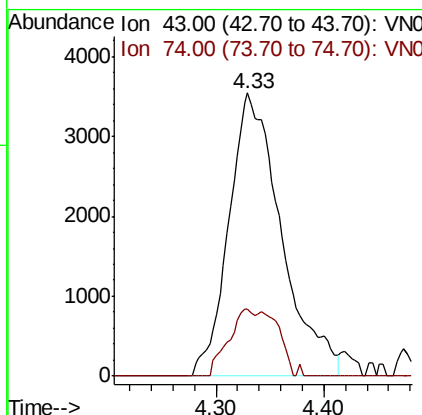
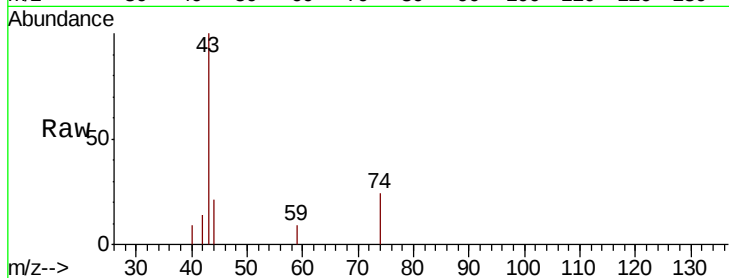




#18
Methyl Acetate
Concen: 3.02 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

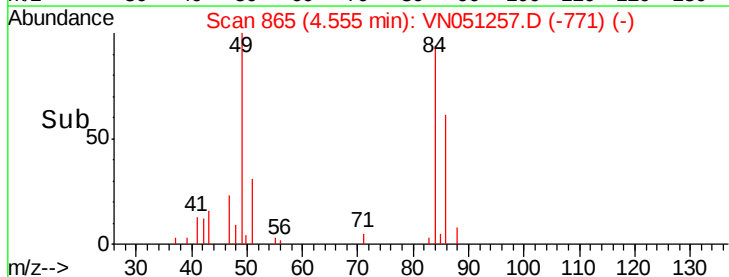
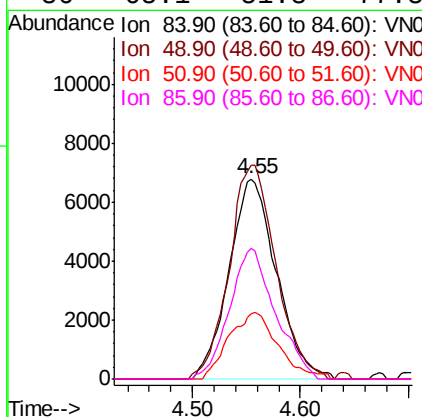
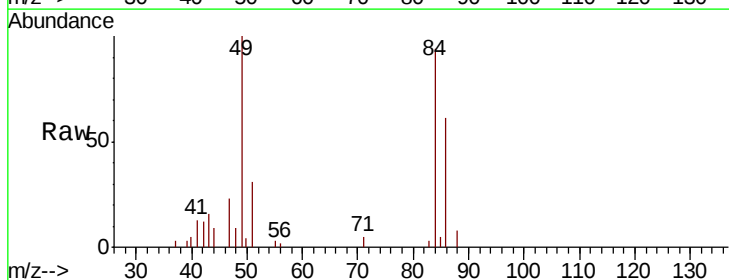
Instrument :
MSVOA_N
ClientSampleId :

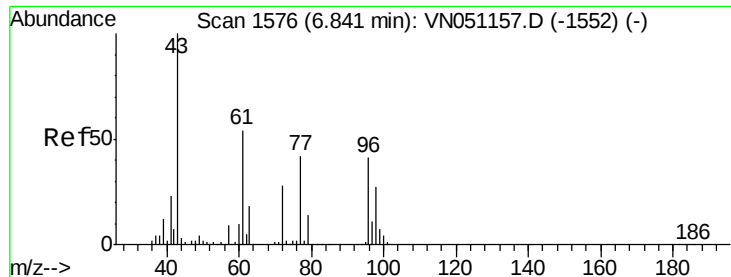
Tot Ion: 43 Resp: 11975
Ion Ratio Lower Upper
43 100
74 11.7 20.7 31.1#



#20
Methylene Chloride
Concen: 3.80 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion: 84 Resp: 20765
Ion Ratio Lower Upper
84 100
49 106.5 90.2 135.2
51 32.8 28.4 42.6
86 65.1 51.8 77.8





#25

2-Butanone

Concen: 0.98 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

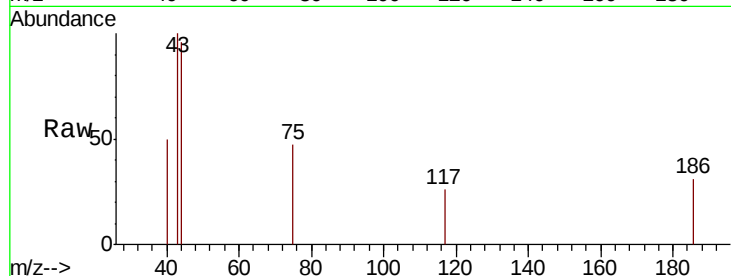
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1913

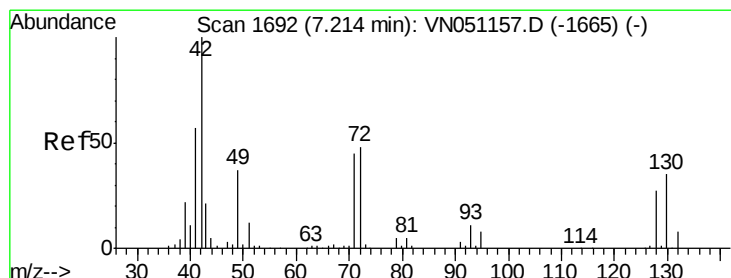
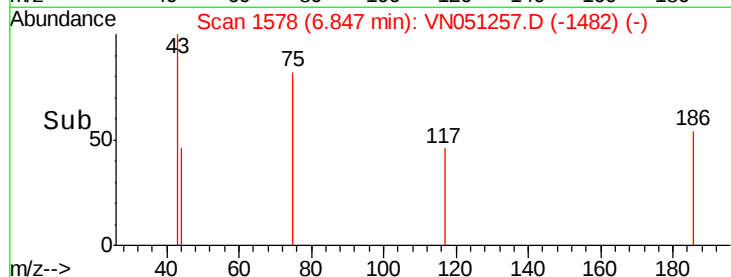
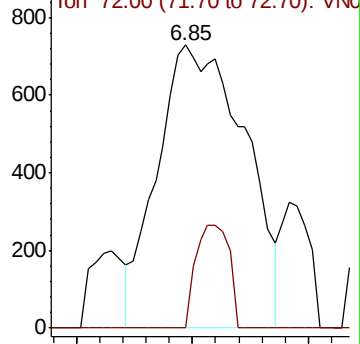
Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0



#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

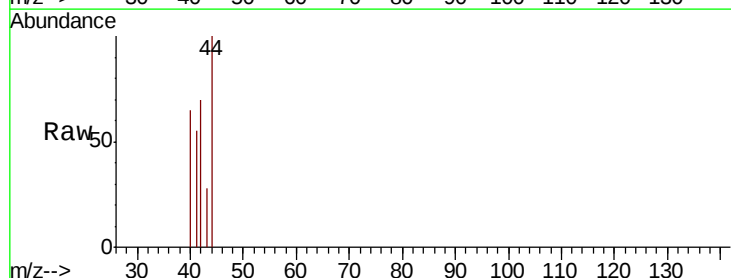
Tgt Ion: 42 Resp: 608

Ion Ratio Lower Upper

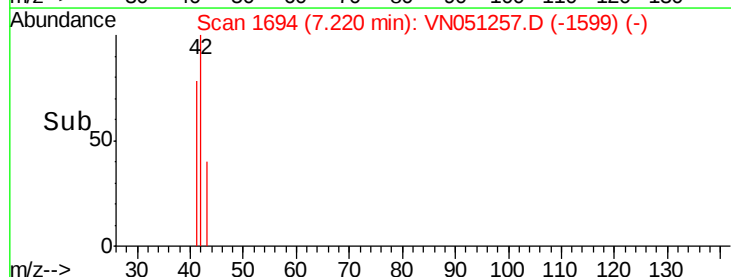
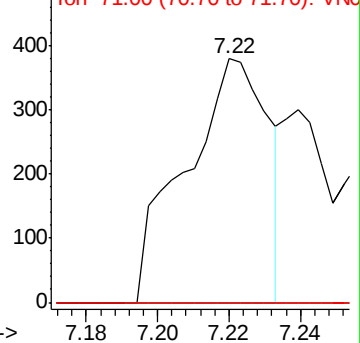
42 100

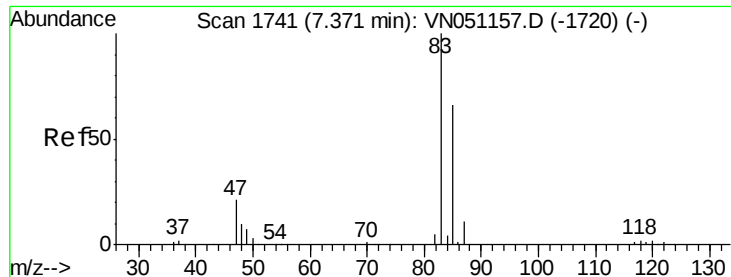
72 0.0 37.4 56.0#

71 0.0 34.7 52.1#



Abundance Ion 42.00 (41.70 to 42.70): VN0

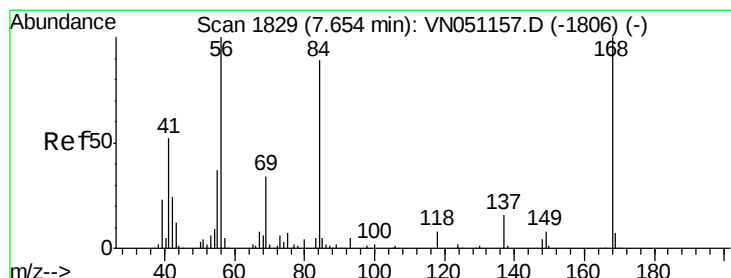
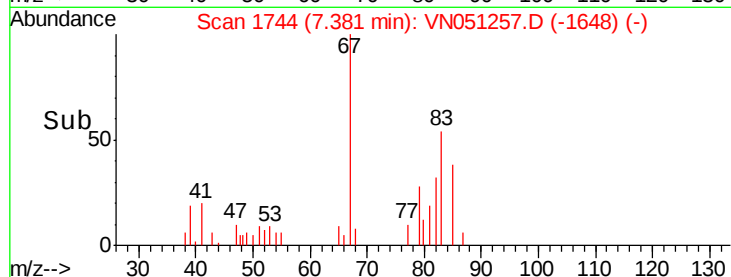
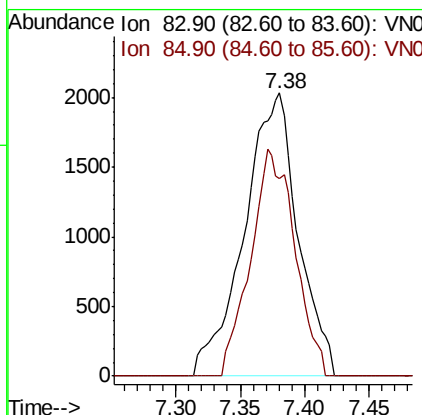
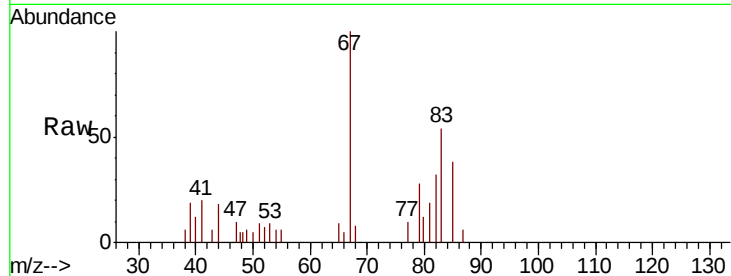




#30
Chloroform
Concen: 0.65 ug/l
RT: 7.38 min Scan# 1744
Delta R.T. 0.01 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

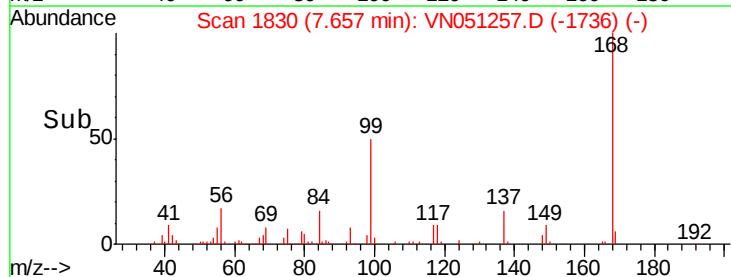
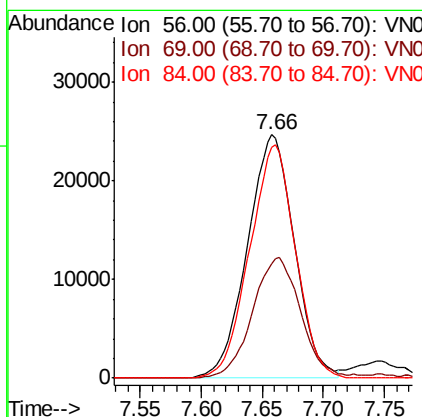
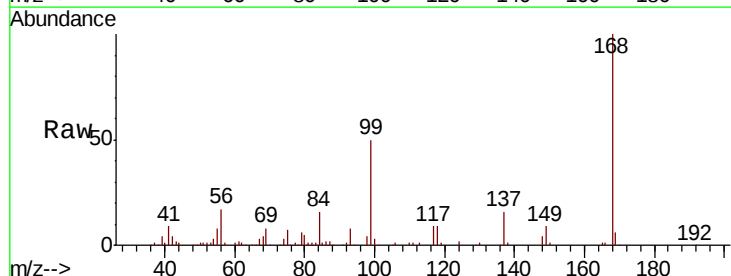
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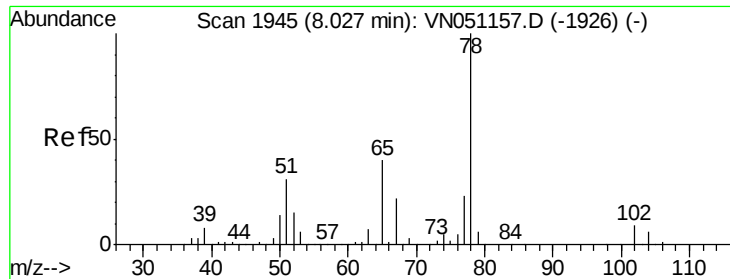
Tot Ion: 83 Resp: 5908
Ion Ratio Lower Upper
83 100
85 69.6 52.6 79.0



#31
Cyclohexane
Concen: 7.93 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion: 56 Resp: 65941
Ion Ratio Lower Upper
56 100
69 46.8 26.3 39.5#
84 95.0 69.4 104.0

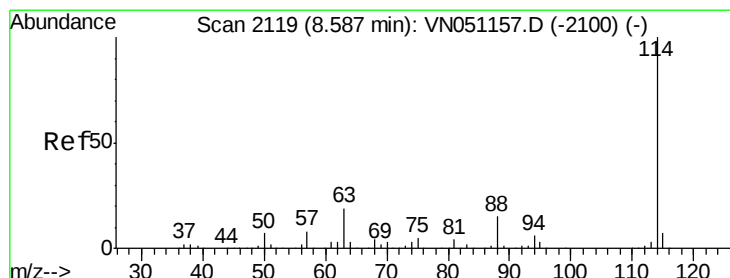
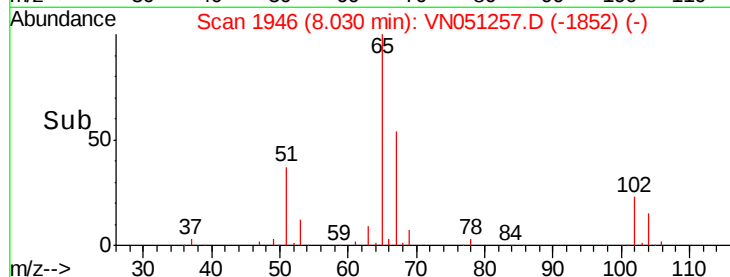
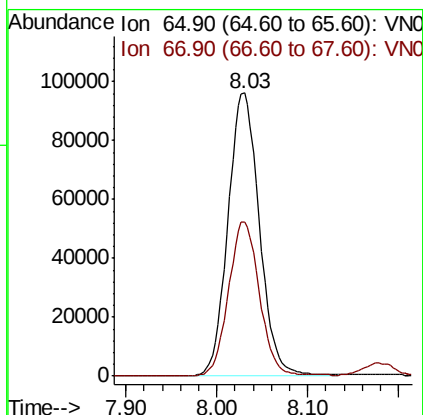
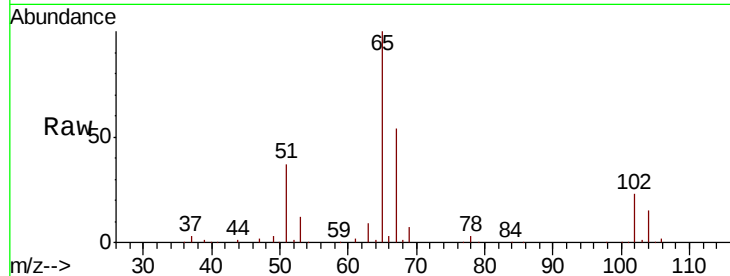




#33
 1,2-Dichloroethane-d4
 Concen: 46.79 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

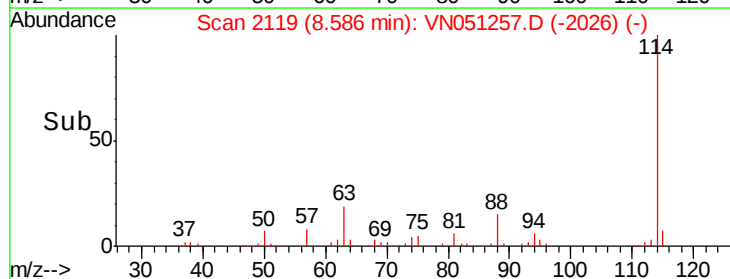
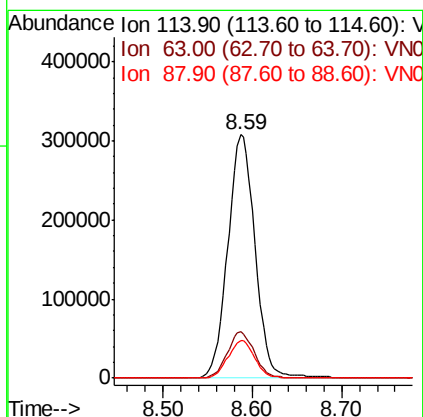
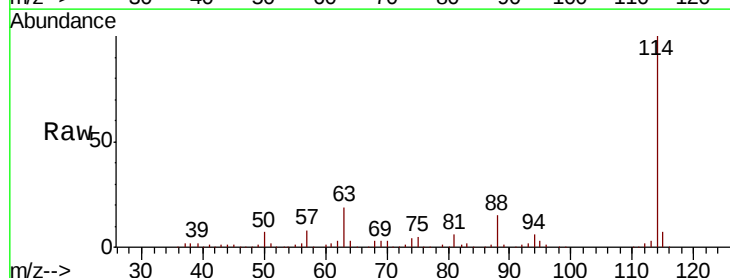
Instrument :
 MSVOA_N
 ClientSampleId :

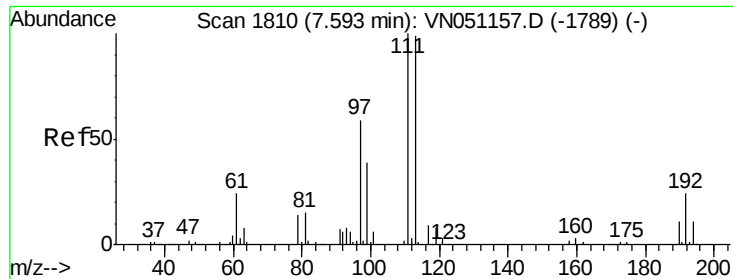
Tot Ion: 65 Resp: 231536
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

Tgt Ion: 114 Resp: 650756
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.8
 88 15.4 0.0 30.8

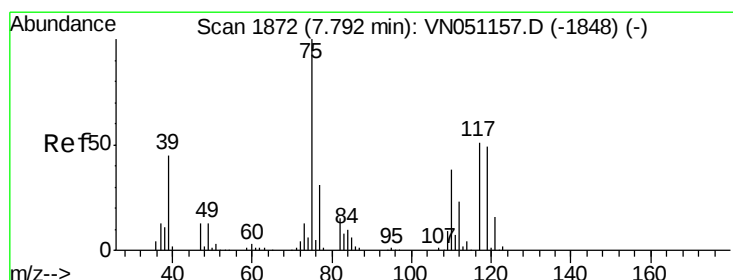
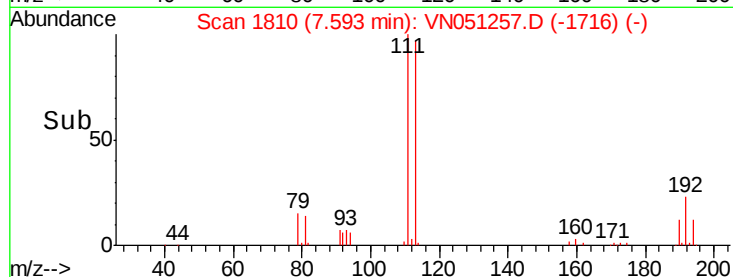
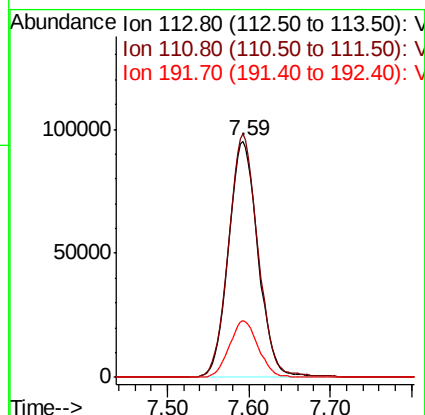
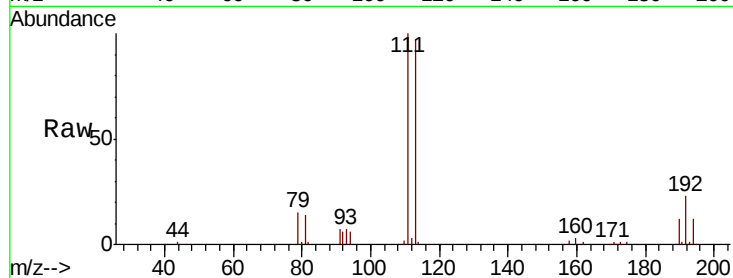




#35
 Dibromofluoromethane
 Concen: 49.55 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

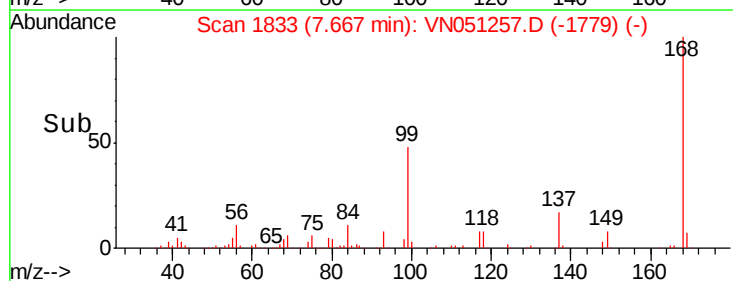
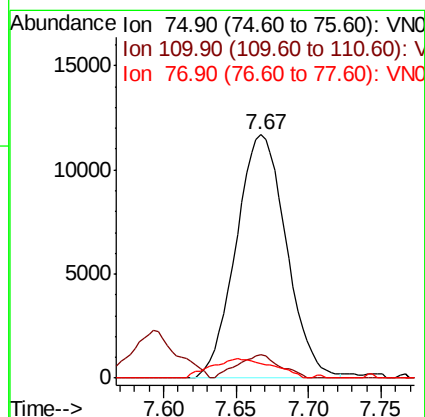
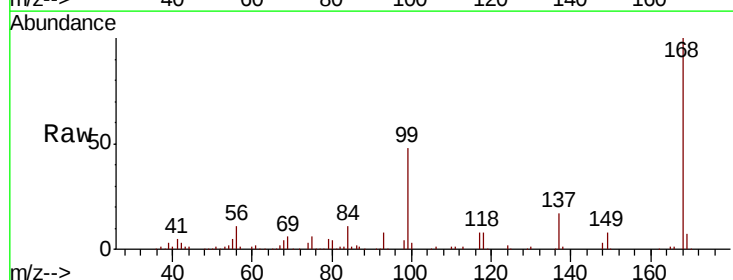
Instrument :
 MSVOA_N
 ClientSampleId :

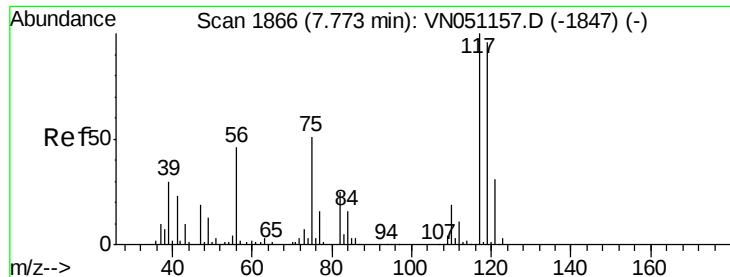
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.6
192	23.4	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 3.95 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.6	55.8#
77	9.7	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 5.33 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

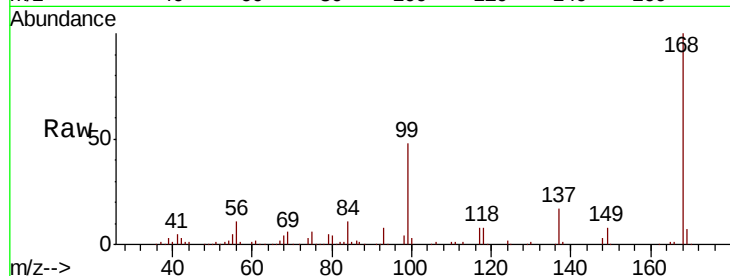
Tot Ion:117 Resp: 37503

Ion Ratio Lower Upper

117 100

119 5.4 76.8 115.2#

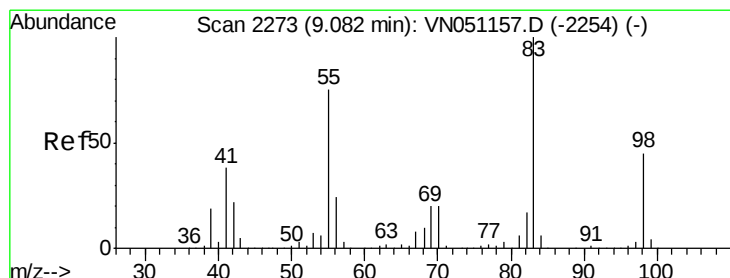
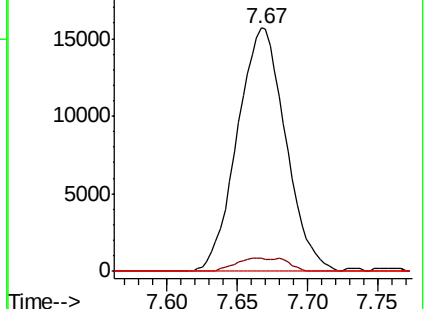
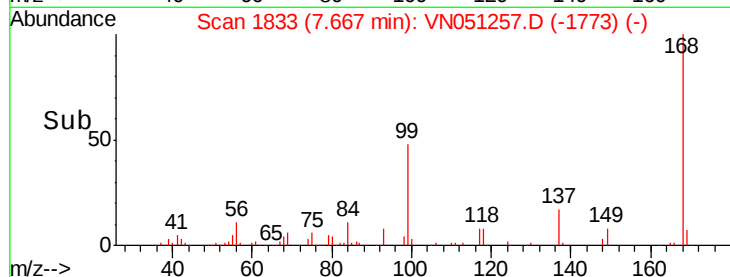
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 16.26 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

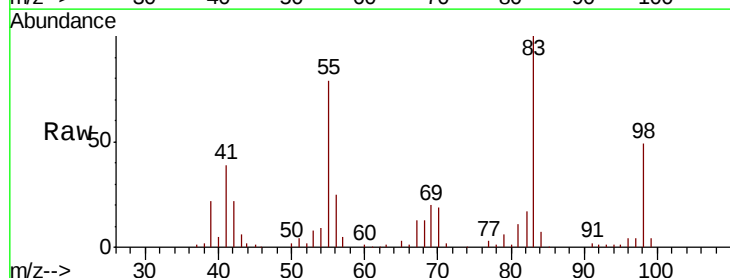
Tgt Ion: 83 Resp: 128152

Ion Ratio Lower Upper

83 100

55 78.0 58.4 87.6

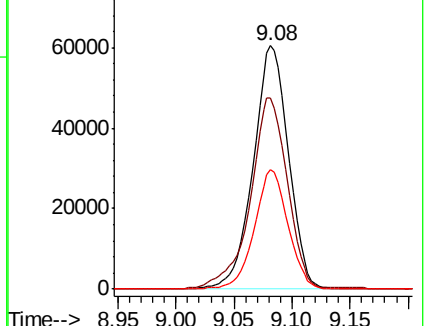
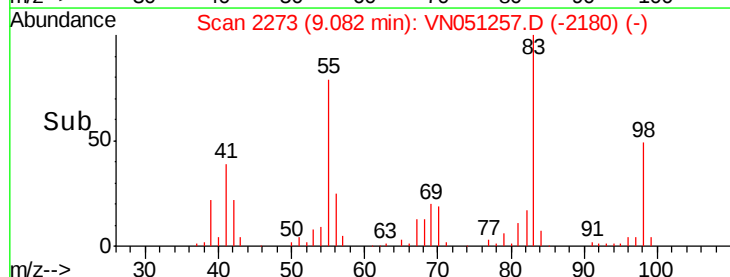
98 49.3 37.3 55.9

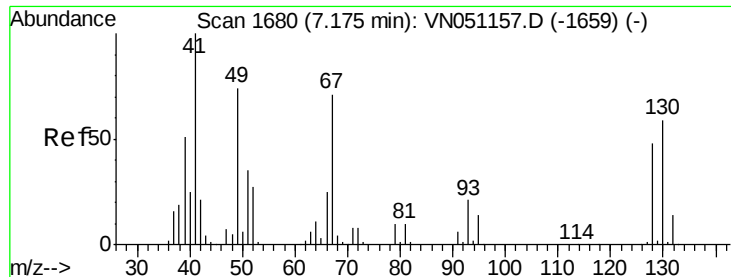


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#41

Methacrylonitrile

Concen: 0.29 ug/l

RT: 7.23 min Scan# 1696

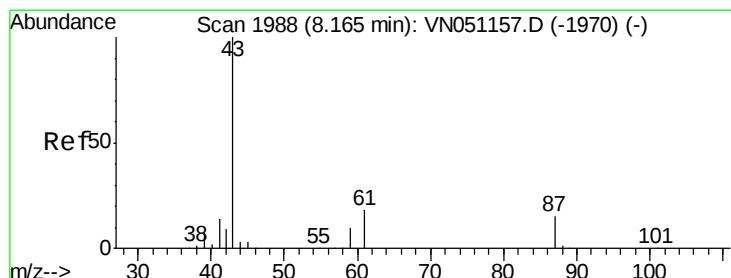
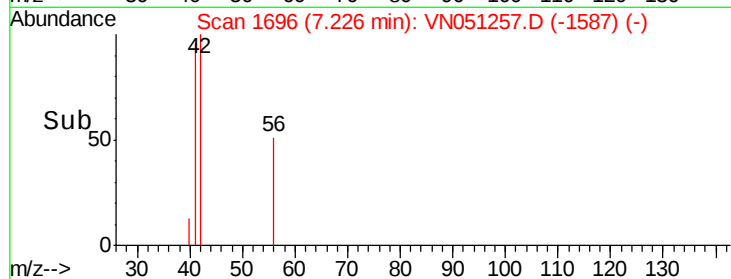
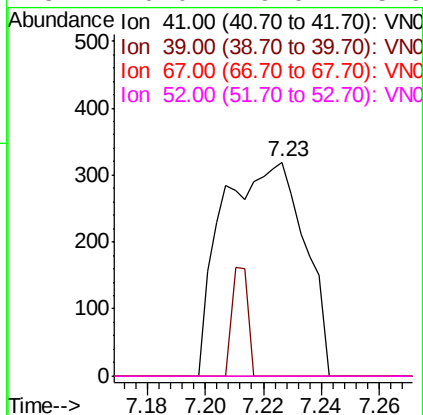
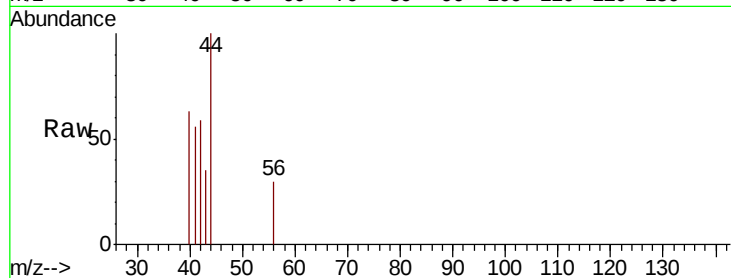
Delta R.T. 0.05 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	625
Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.3	76.9#
67	0.0	78.5	117.7#
52	0.0	29.0	43.6#



#43

Isopropyl Acetate

Concen: 26.83 ug/l

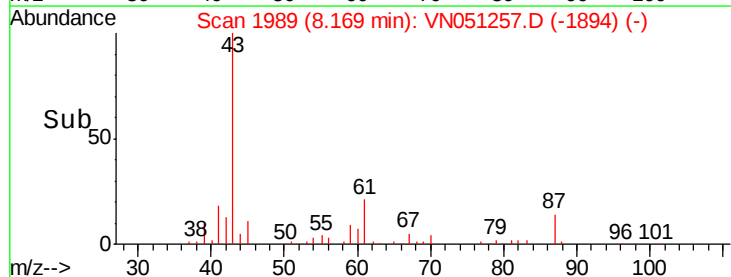
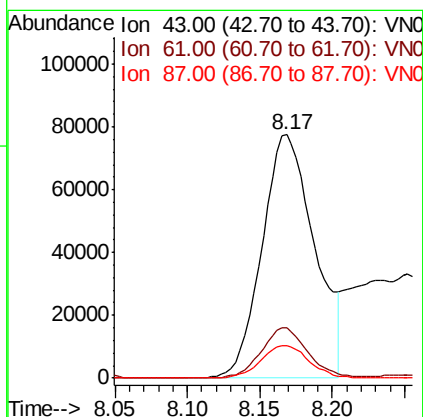
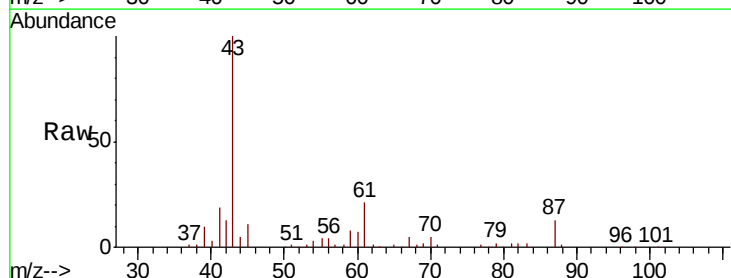
RT: 8.17 min Scan# 1989

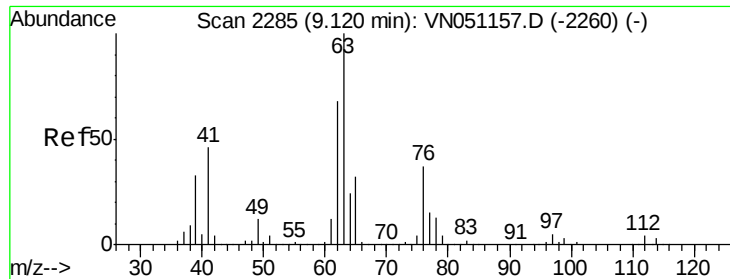
Delta R.T. 0.01 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Tgt Ion:	43	Resp:	195869
Ion	Ratio	Lower	Upper
43	100		
61	18.2	25.0	37.6#
87	12.1	11.8	17.8





#45

1,2-Dichloropropane

Concen: 0.29 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.04 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

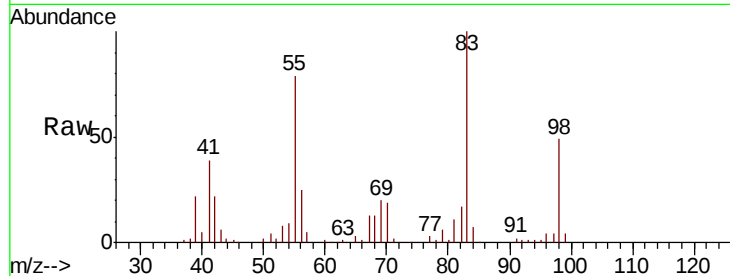
ClientSampled :

Tot Ion: 63 Resp: 1614

Ion Ratio Lower Upper

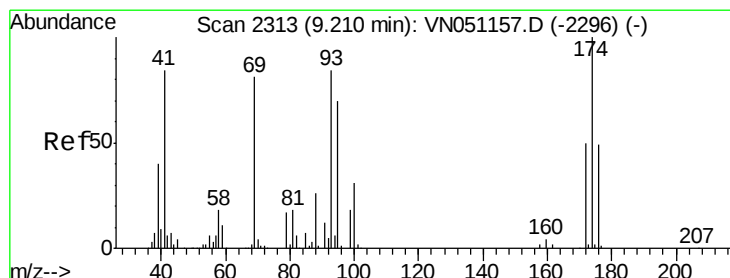
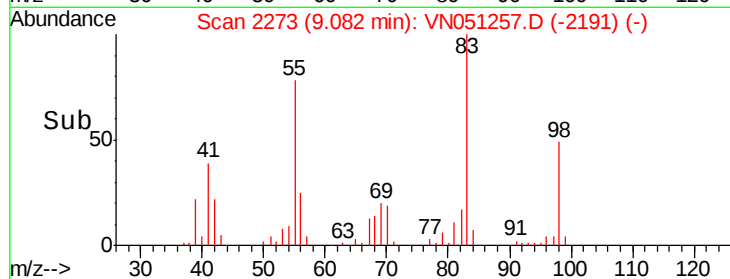
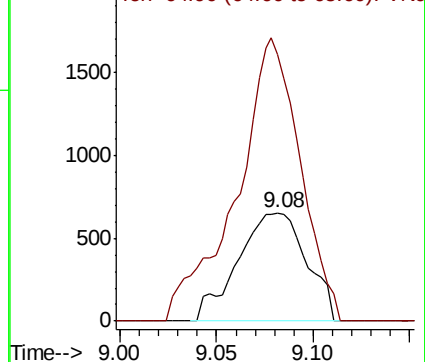
63 100

65 245.7 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 0.21 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.13 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

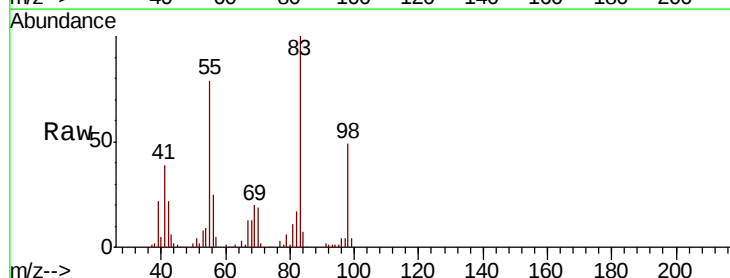
Tgt Ion: 93 Resp: 705

Ion Ratio Lower Upper

93 100

95 74.8 66.8 100.2

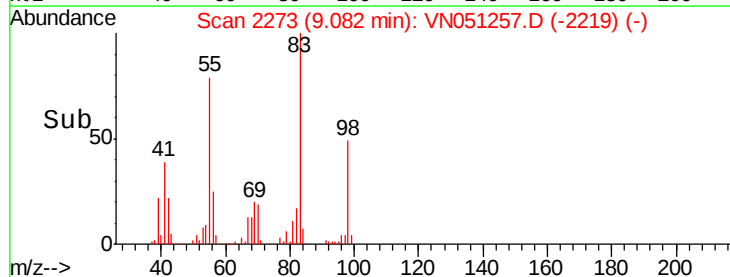
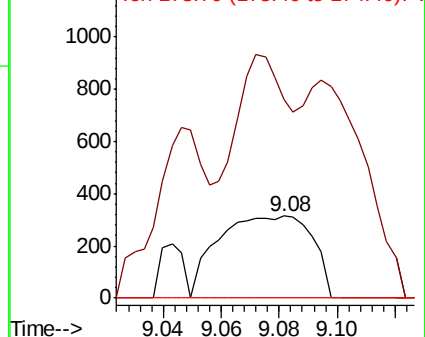
174 0.0 93.3 139.9#

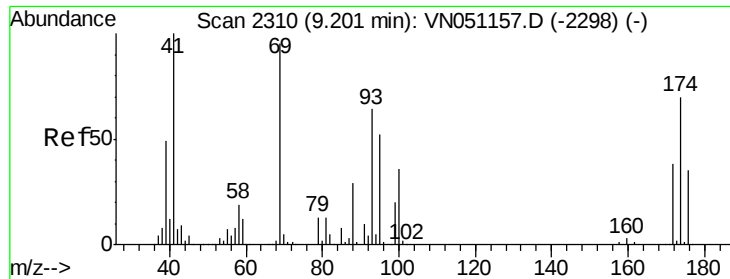


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

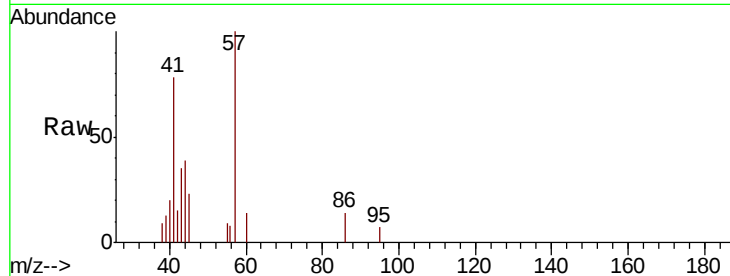




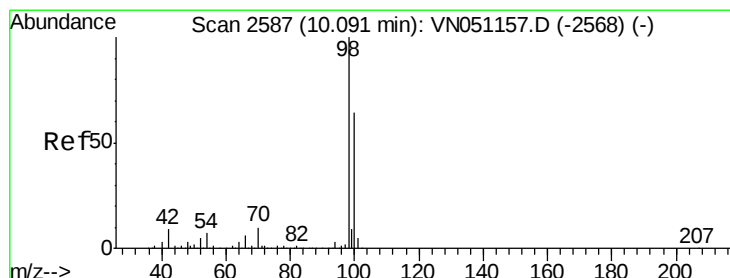
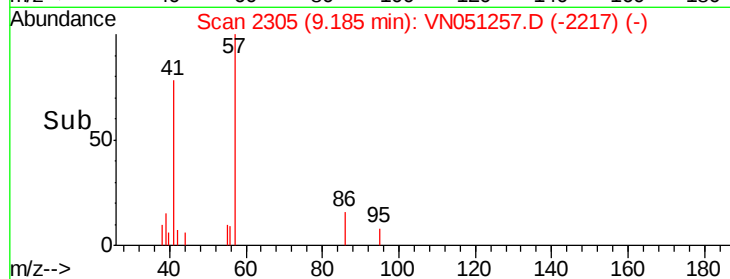
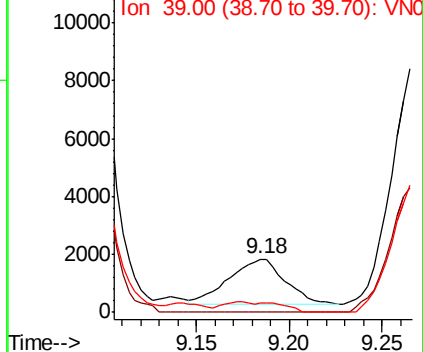
#48
Methvl methacrylate
Concen: 0.94 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 3337
Ion Ratio Lower Upper
41 100
69 0.0 77.7 116.5#
39 0.0 41.6 62.4#

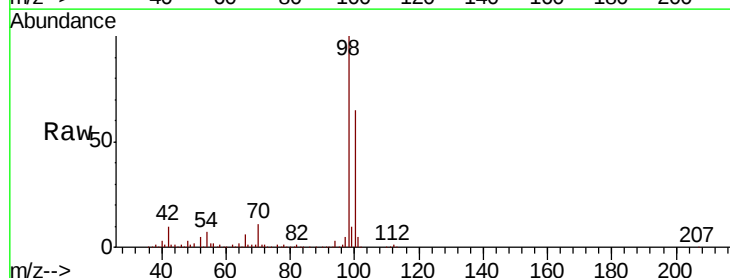


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

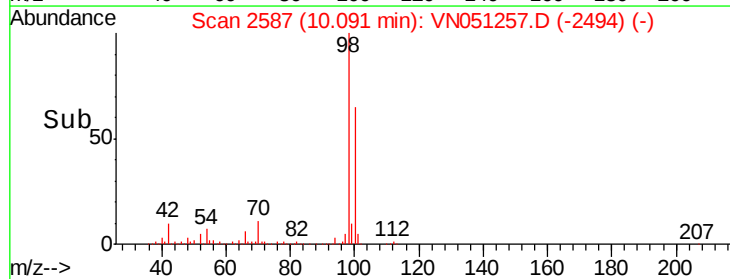
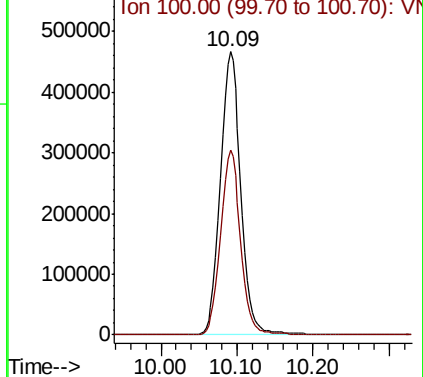


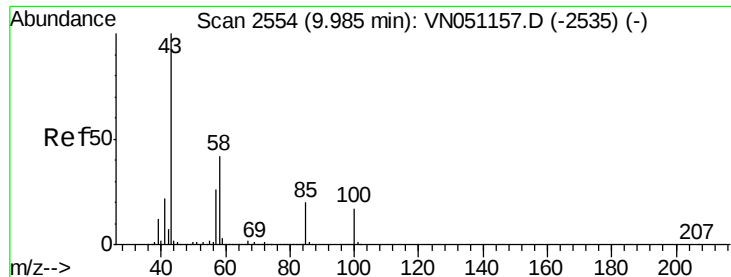
#50
Toluene-d8
Concen: 46.97 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion: 98 Resp: 871560
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



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

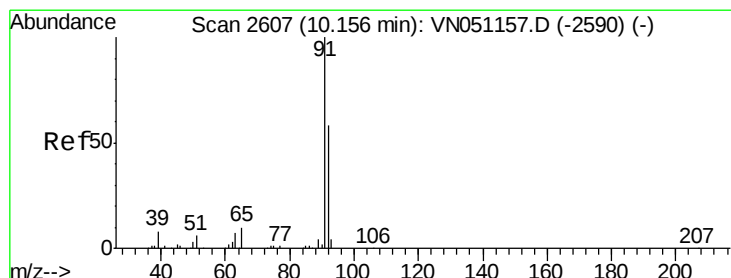
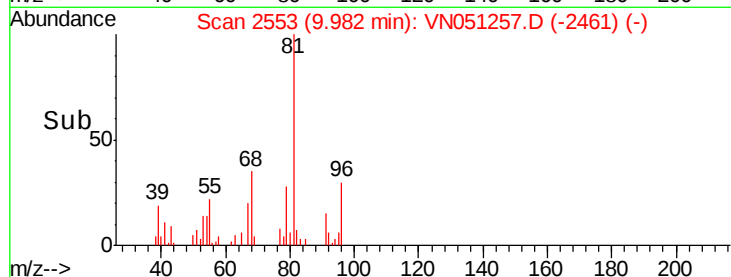
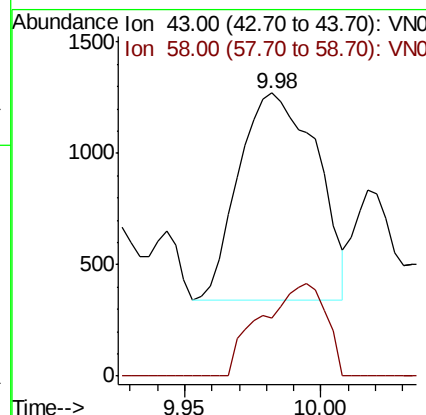
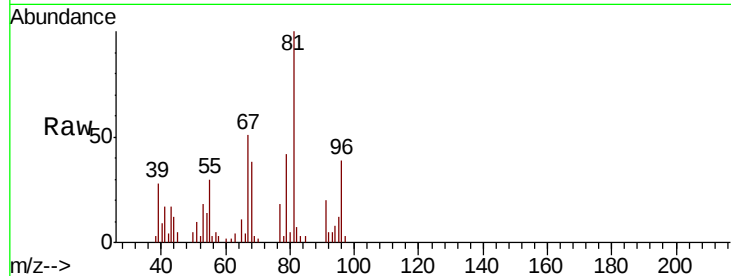




#51
 4-Methyl-2-Pentanone
 Concen: 0.46 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

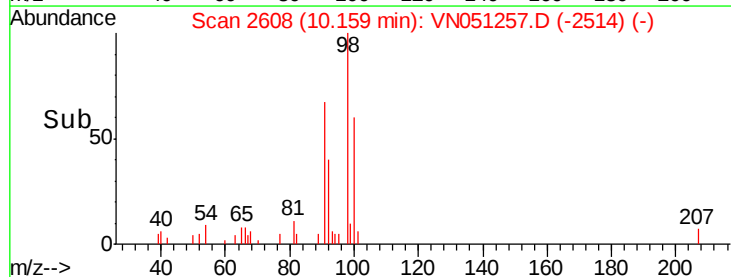
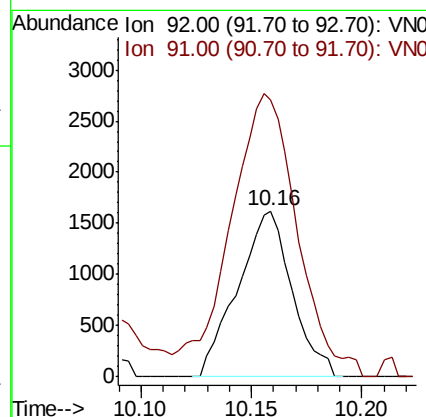
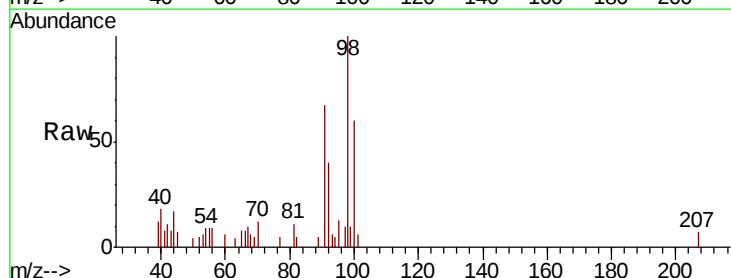
Instrument :
 MSVOA_N
 ClientSampled :

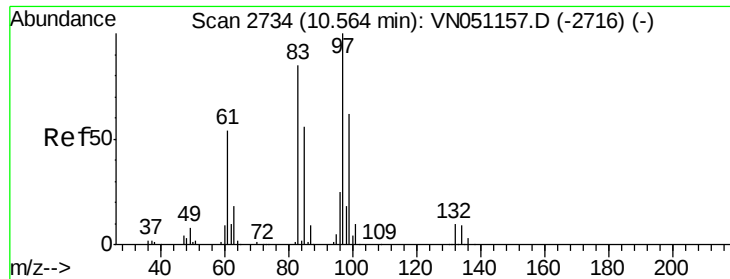
Tot Ion: 43 Resp: 1852
 Ion Ratio Lower Upper
 43 100
 58 37.0 33.5 50.3



#52
 Toluene
 Concen: 0.21 ug/l
 RT: 10.16 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

Tgt Ion: 92 Resp: 2770
 Ion Ratio Lower Upper
 92 100
 91 210.8 139.5 209.3#





#55

1,1,2-Trichloroethane

Concen: 2.26 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 10775

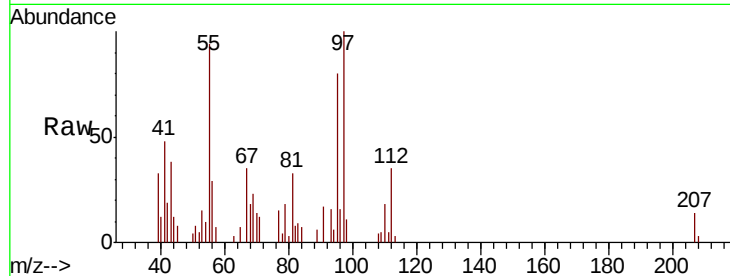
Ion Ratio Lower Upper

97 100

83 9.0 68.2 102.2#

85 0.0 44.8 67.2#

99 0.0 50.2 75.4#

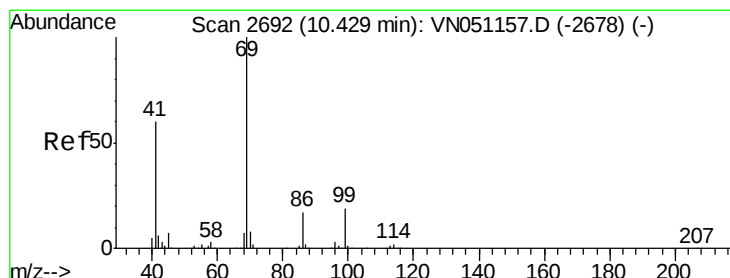
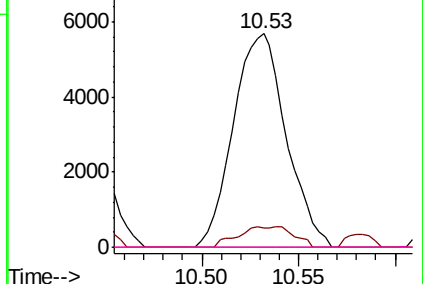
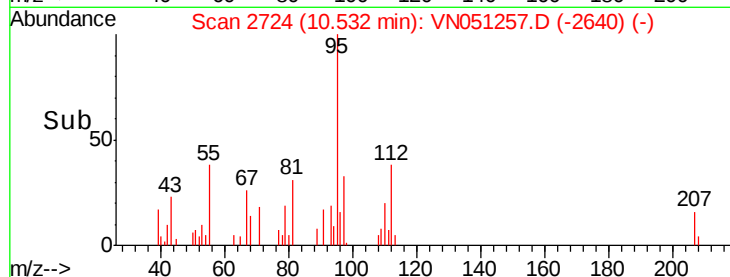


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 3.21 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

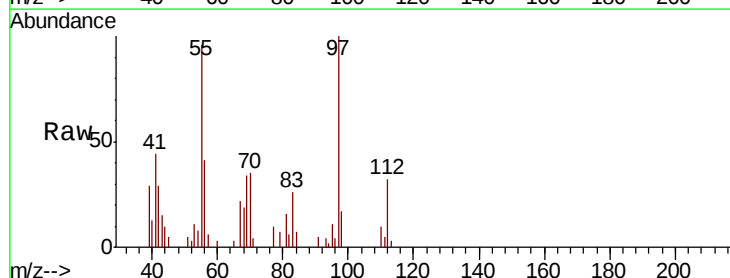
Tgt Ion: 69 Resp: 5112

Ion Ratio Lower Upper

69 100

41 116.4 47.8 71.8#

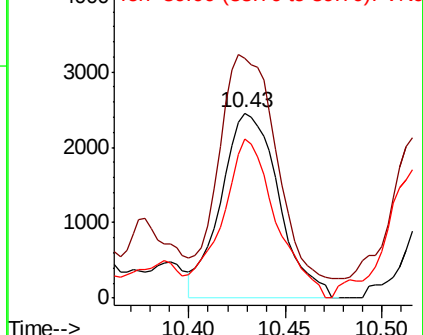
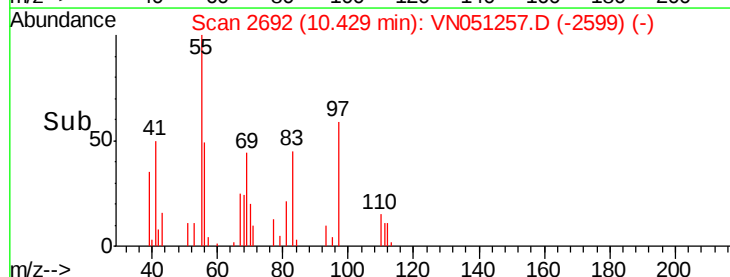
39 80.6 23.0 34.4#

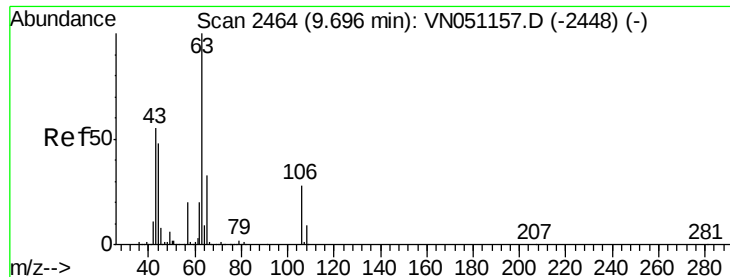


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

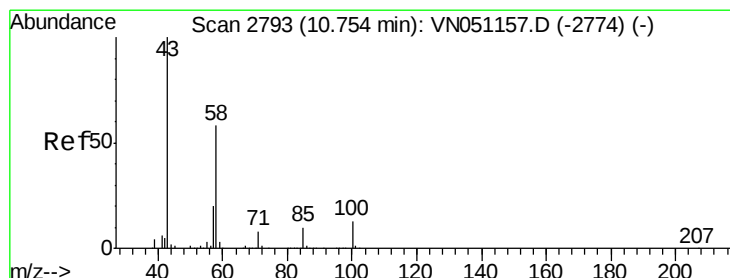
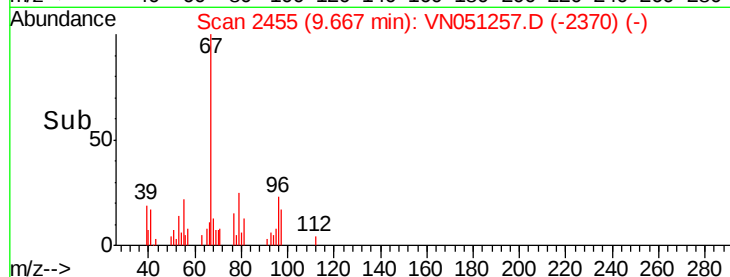
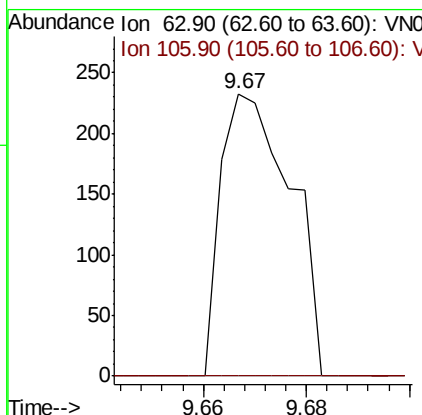
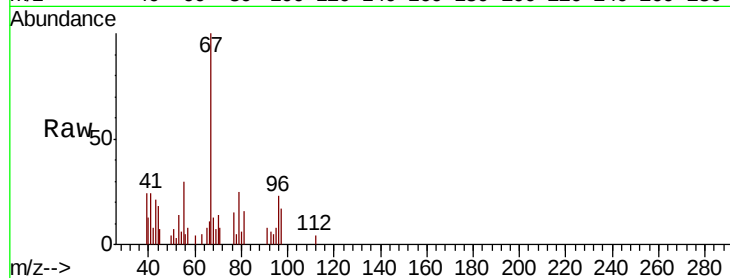




#58
 2-Chloroethyl Vinyl ether
 Concen: 15.30 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. -0.03 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

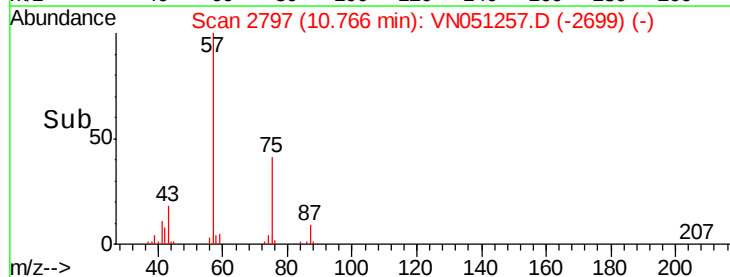
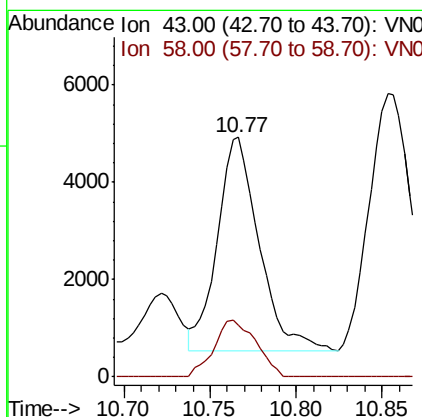
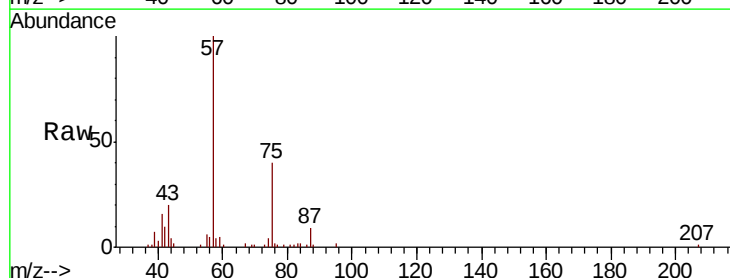
Instrument :
 MSVOA_N
 ClientSampled :

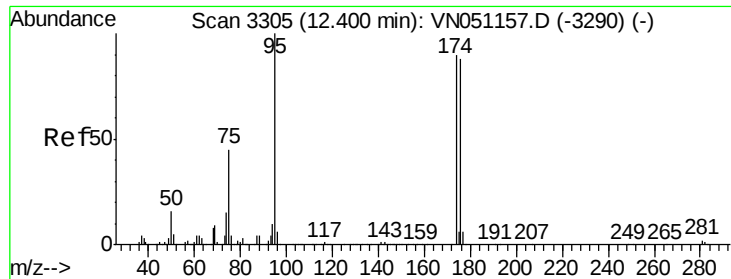
Tot Ion: 63 Resp: 218
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.5 33.7#



#59
 2-Hexanone
 Concen: 2.70 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.02 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

Tgt Ion: 43 Resp: 7401
 Ion Ratio Lower Upper
 43 100
 58 26.8 29.3 88.0#

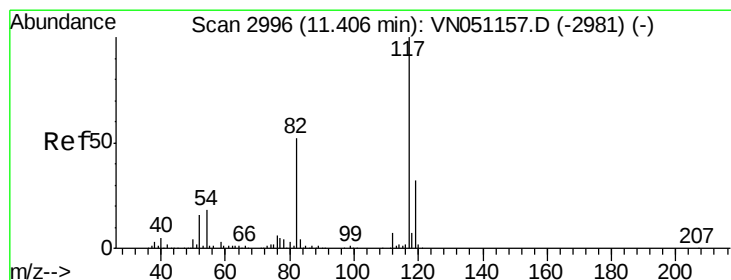
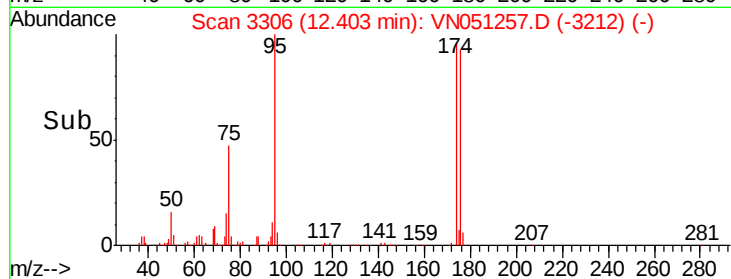
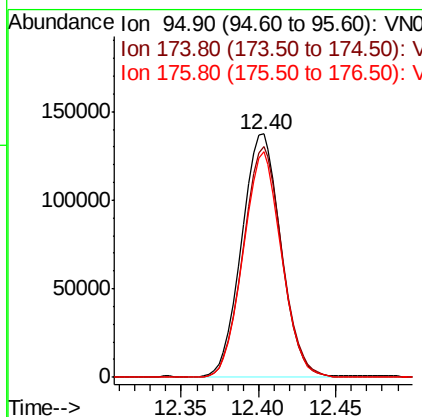
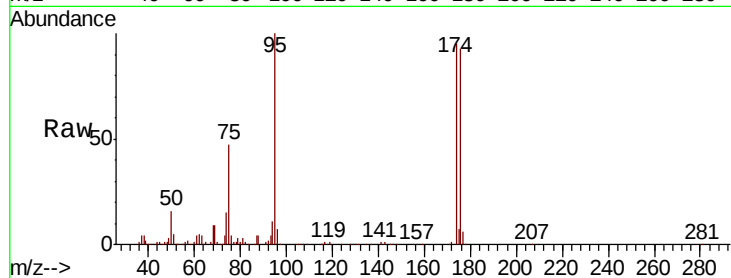




#62
4-Bromofluorobenzene
Concen: 39.37 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

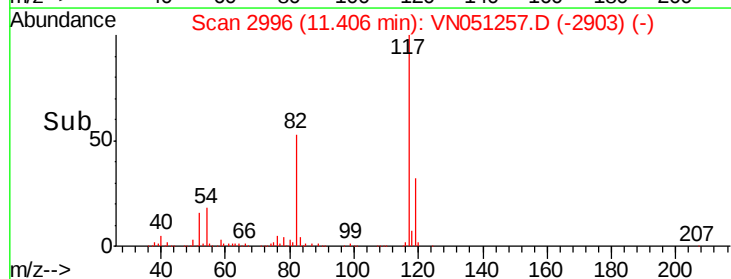
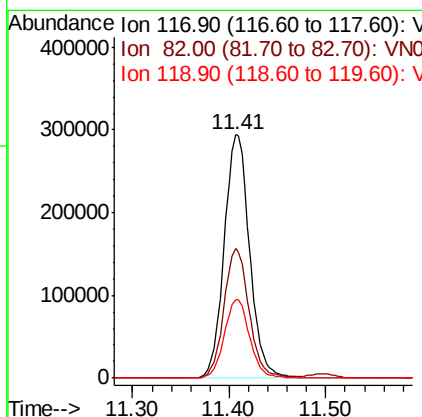
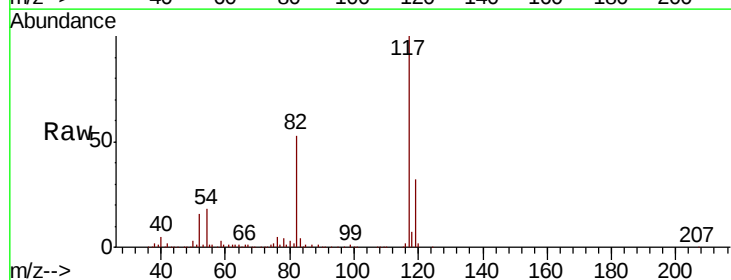
Instrument :
MSVOA_N
ClientSampled :

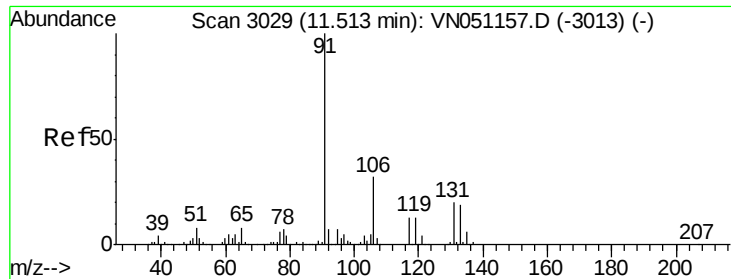
Tot Ion: 95 Resp: 241662
Ion Ratio Lower Upper
95 100
174 94.5 0.0 184.8
176 90.9 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion: 117 Resp: 536671
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.6
119 32.4 26.2 39.2

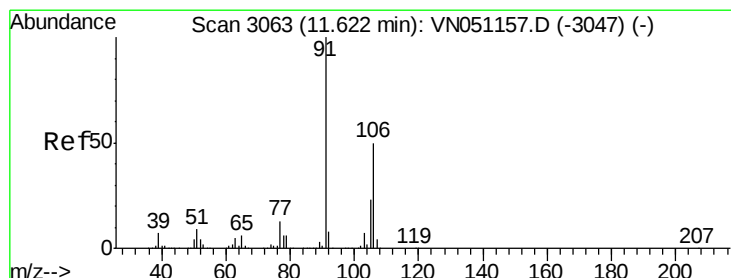
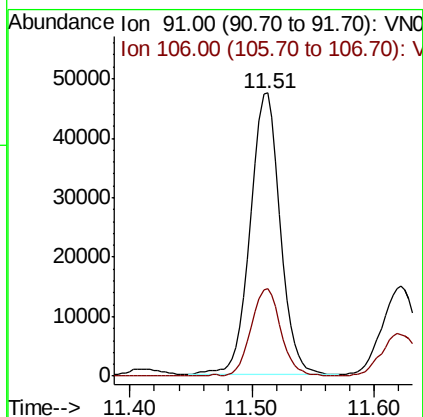
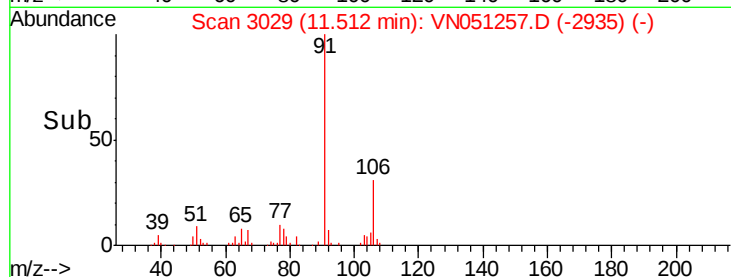
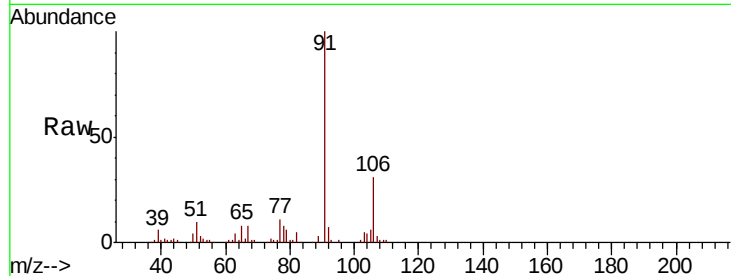




#67
Ethyl Benzene
Concen: 3.64 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

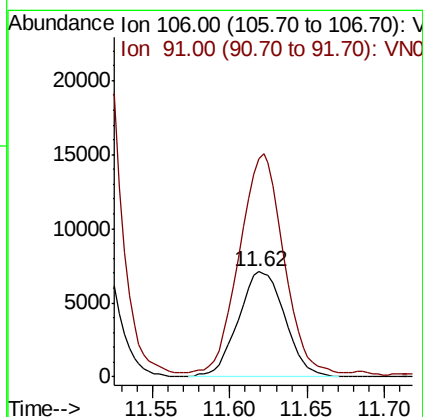
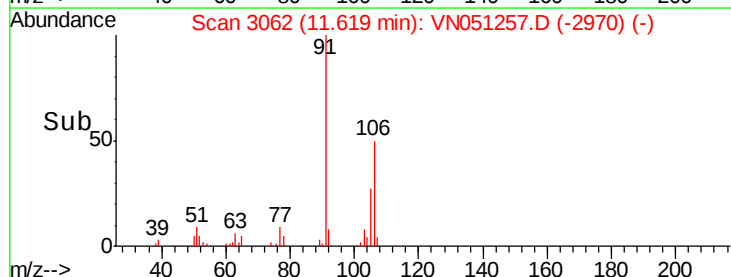
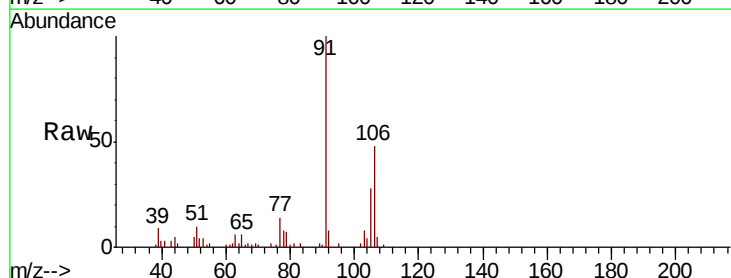
Instrument :
MSVOA_N
ClientSampled :

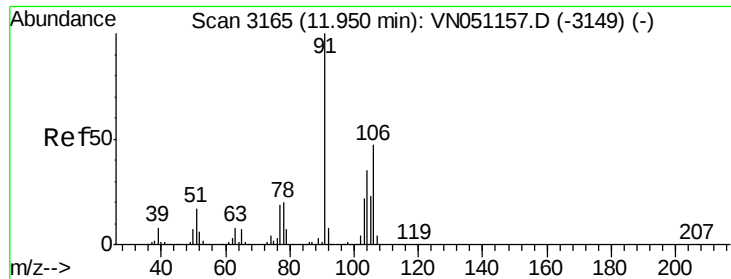
Tot Ion: 91 Resp: 79719
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2



#68
m/p-Xylenes
Concen: 1.77 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion: 106 Resp: 14885
Ion Ratio Lower Upper
106 100
91 195.9 159.8 239.6

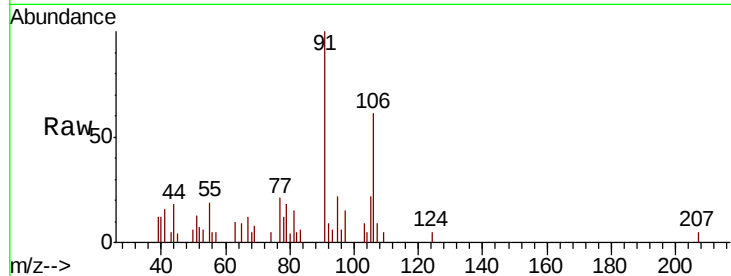




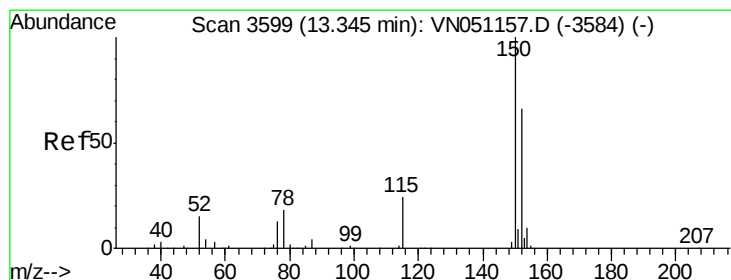
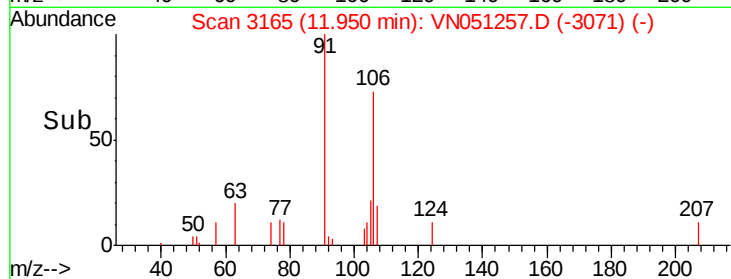
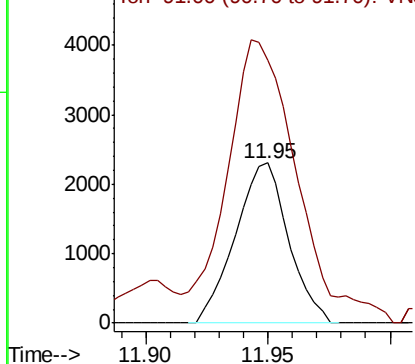
#69
o-Xylene
Concen: 0.43 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 3482
Ion Ratio Lower Upper
106 100
91 233.6 105.1 315.1

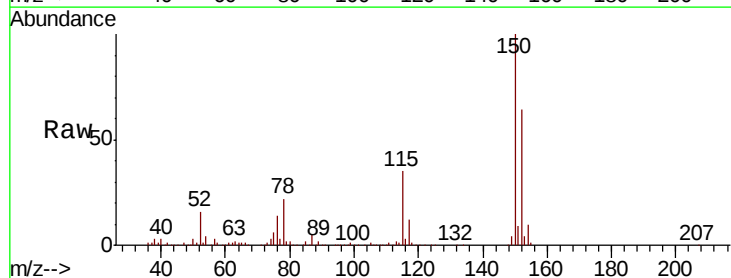


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

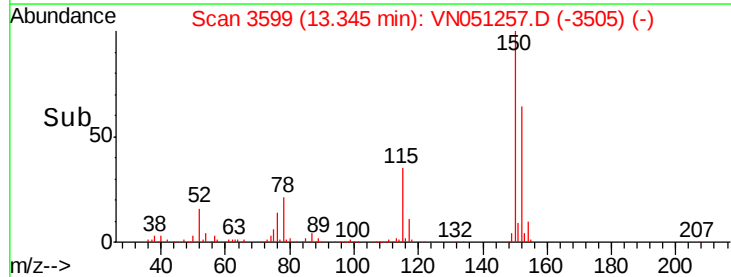
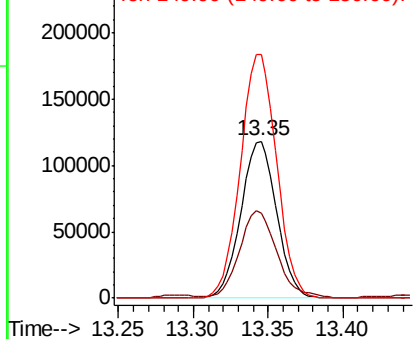


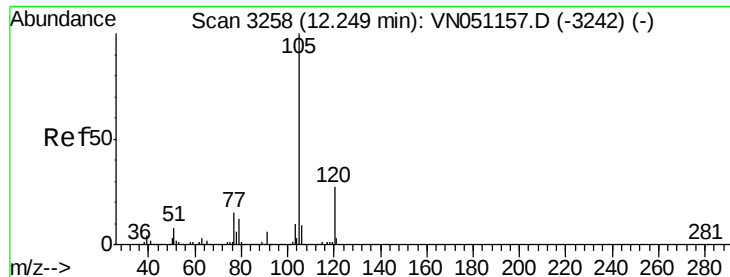
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051257.D
Acq: 16 Sep 2018 6:13

Tgt Ion:152 Resp: 196782
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 157.4 0.0 349.0



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: 9.57 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

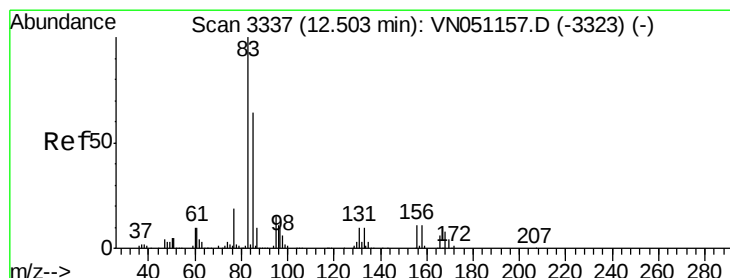
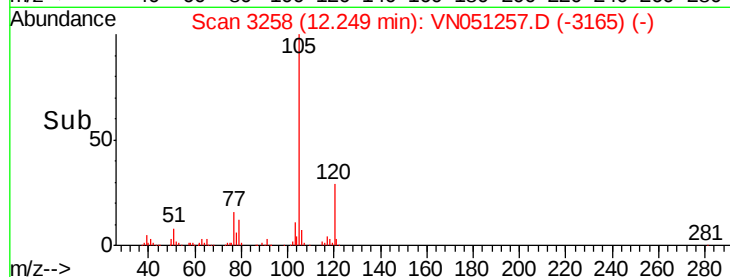
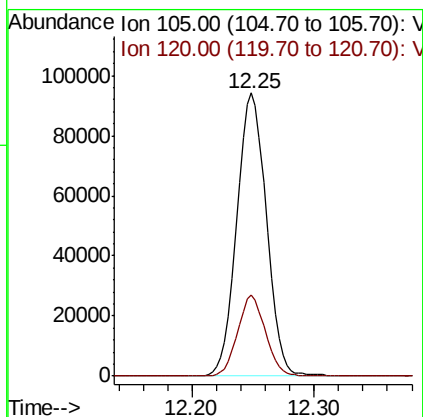
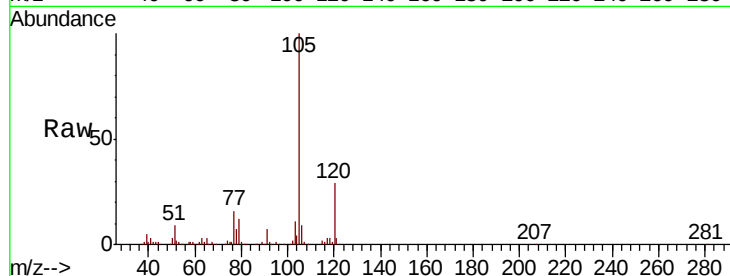
ClientSampled :

Tot Ion:105 Resp: 157893

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3329

Delta R.T. -0.02 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

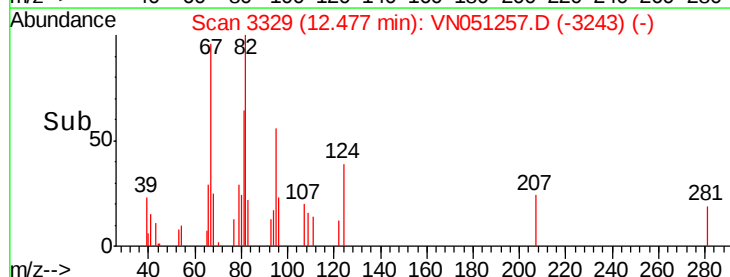
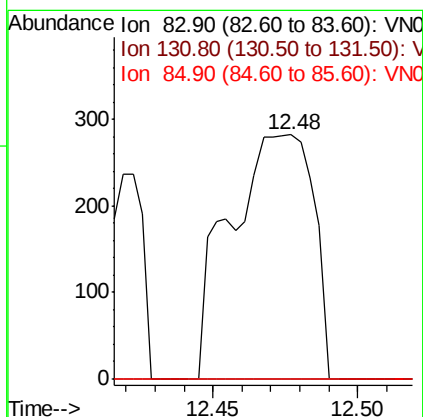
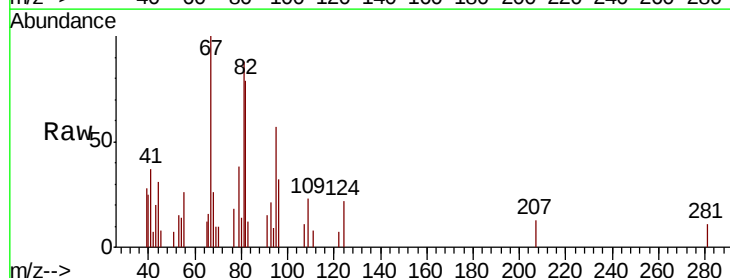
Tgt Ion: 83 Resp: 564

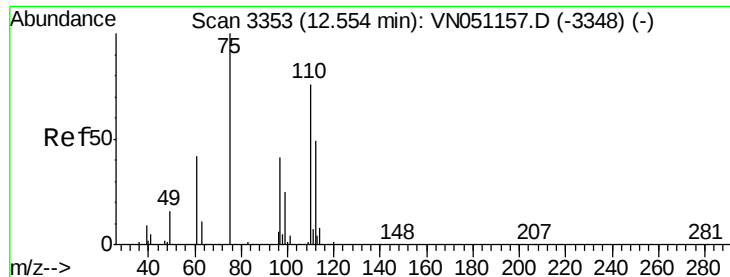
Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 0.0 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 36.38 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

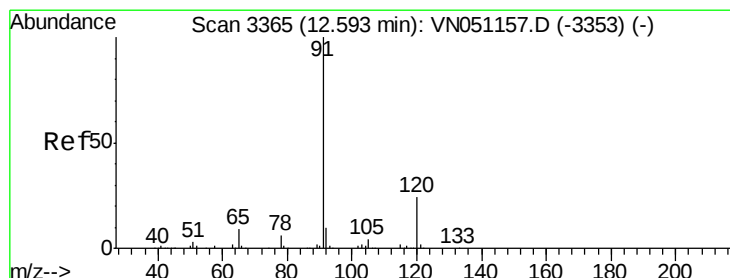
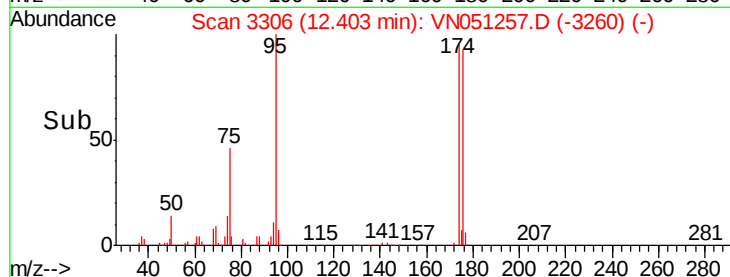
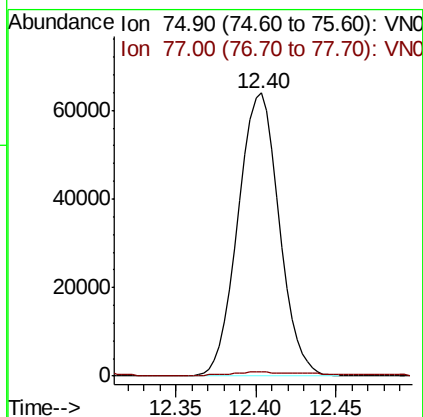
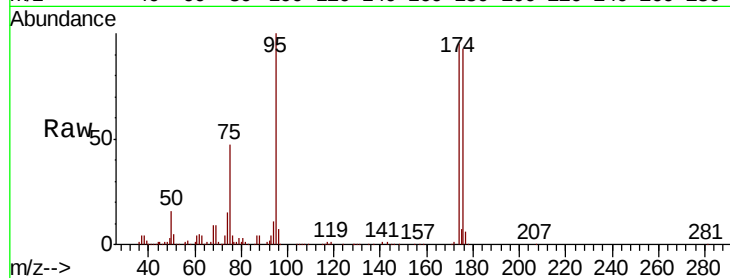
ClientSampled :

Tot Ion: 75 Resp: 112229

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#78

n-propylbenzene

Concen: 9.29 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051257.D

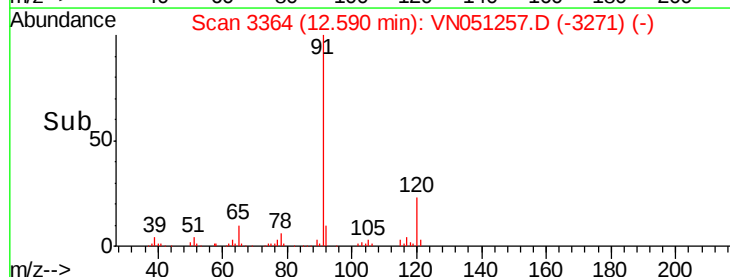
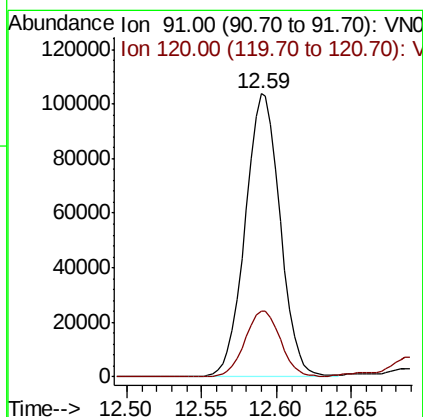
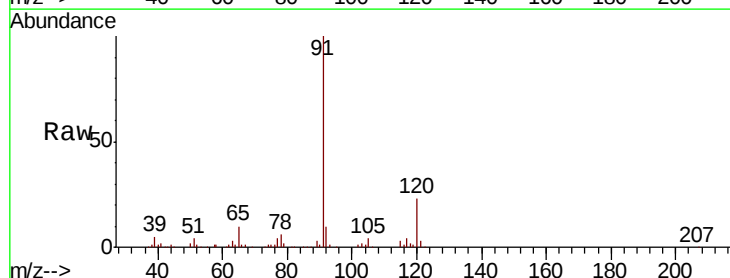
Acq: 16 Sep 2018 6:13

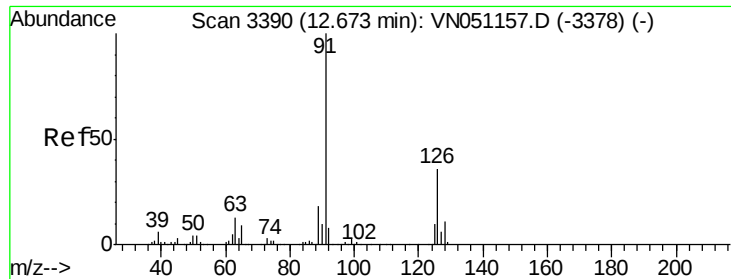
Tgt Ion: 91 Resp: 168579

Ion Ratio Lower Upper

91 100

120 23.6 12.0 36.0

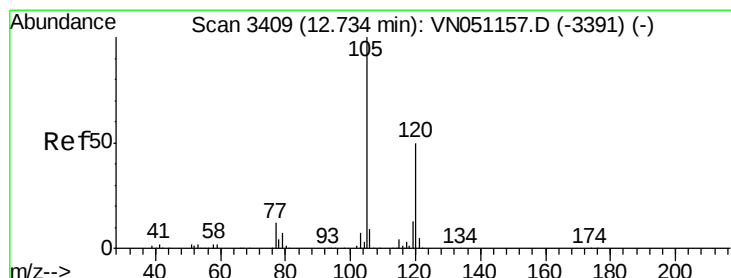
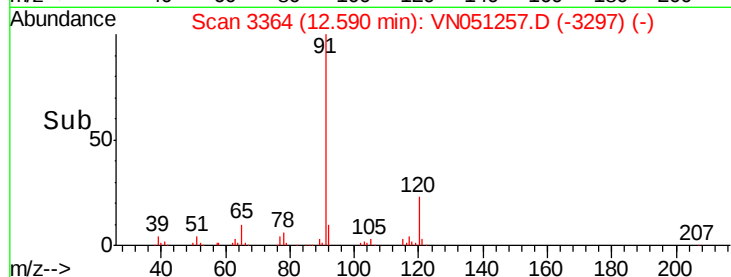
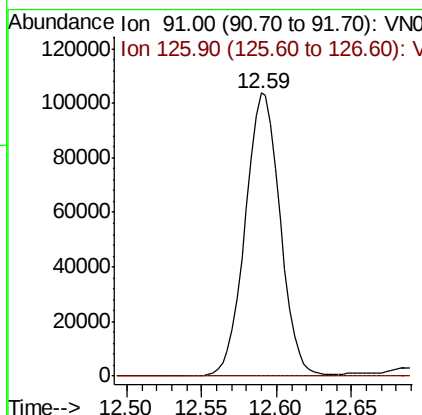
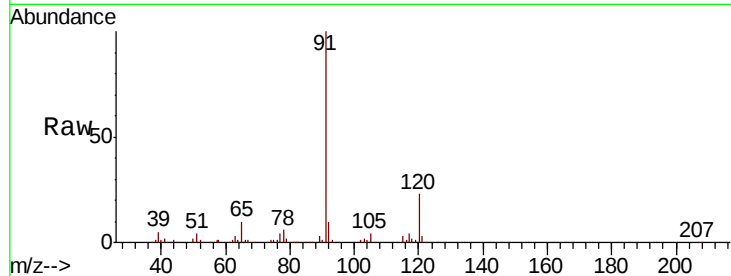




#79
 2-Chlorotoluene
 Concen: 14.87 ug/l
 RT: 12.59 min Scan# 3364
 Delta R.T. -0.08 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

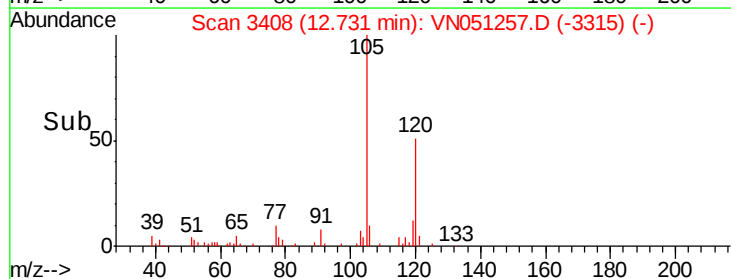
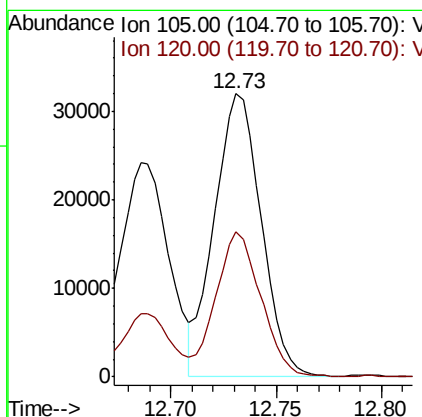
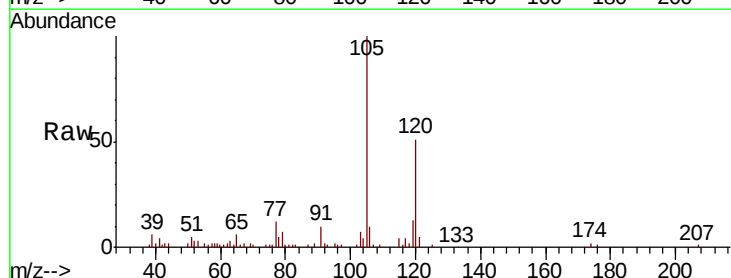
Instrument :
 MSVOA_N
 ClientSampled :

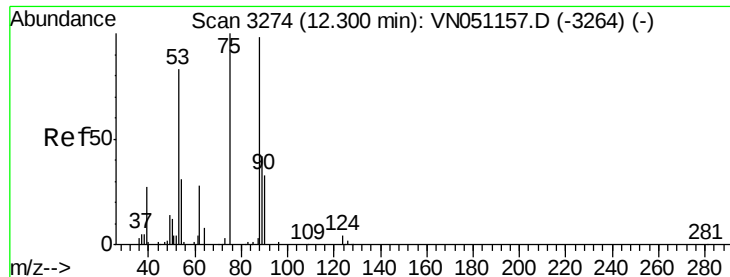
Tot Ion: 91 Resp: 168579
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 3.70 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

Tgt Ion: 105 Resp: 49354
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 108.31 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

ClientSampled :

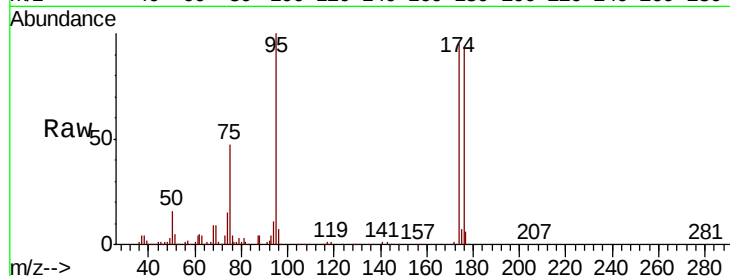
Tot Ion: 75 Resp: 112229

Ion Ratio Lower Upper

75 100

53 0.7 67.8 101.8#

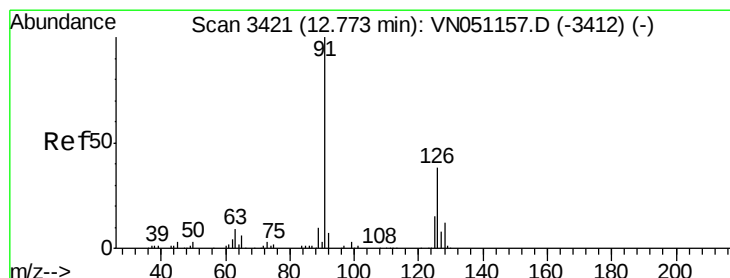
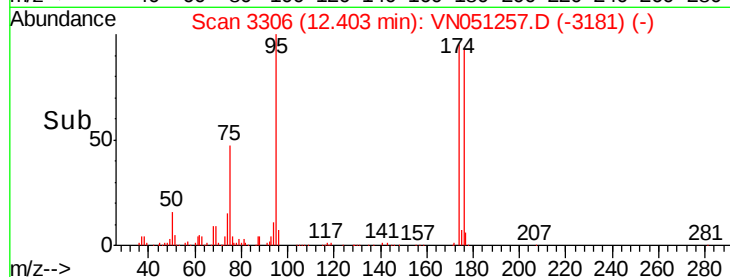
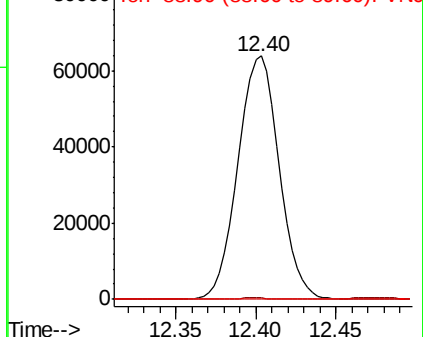
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.11 ug/l

RT: 12.89 min Scan# 3458

Delta R.T. 0.12 min

Lab File: VN051257.D

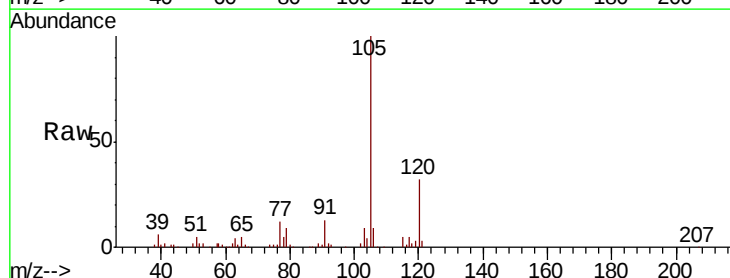
Acq: 16 Sep 2018 6:13

Tgt Ion: 91 Resp: 12450

Ion Ratio Lower Upper

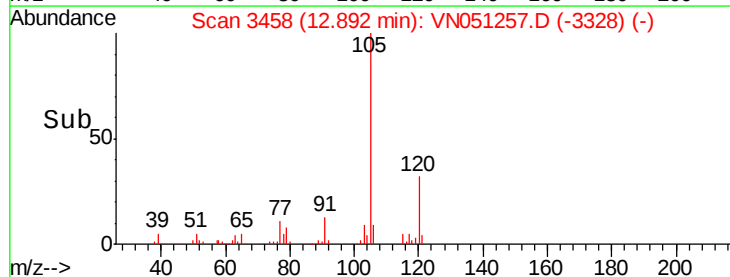
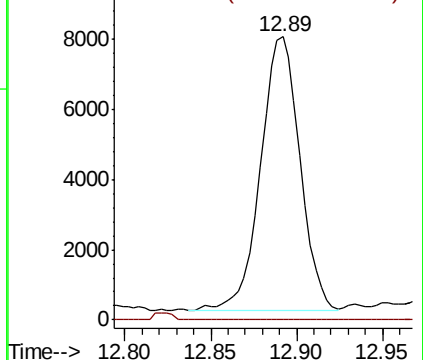
91 100

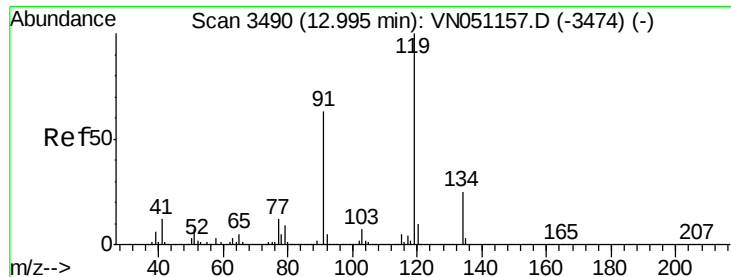
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

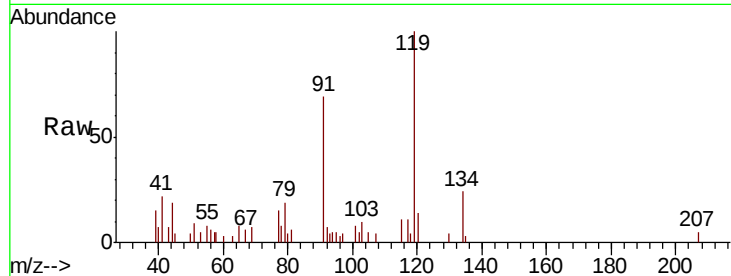




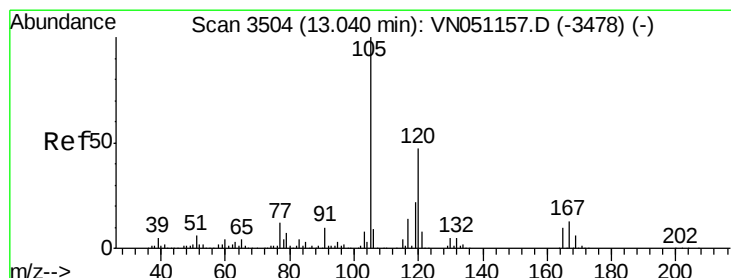
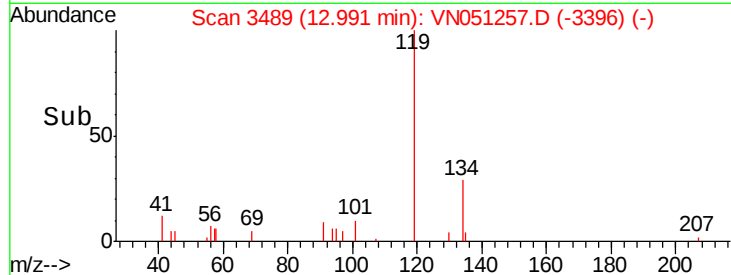
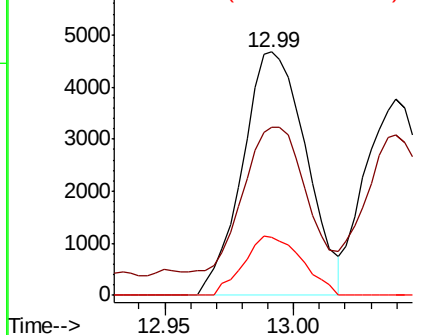
#83
 tert-Butylbenzene
 Concen: 0.68 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 8067
 Ion Ratio Lower Upper
 119 100
 91 57.0 30.8 92.3
 134 22.3 13.2 39.6

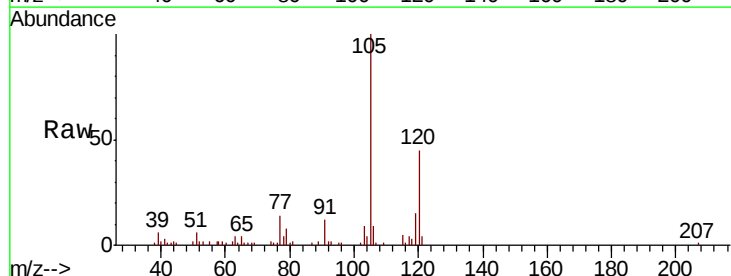


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

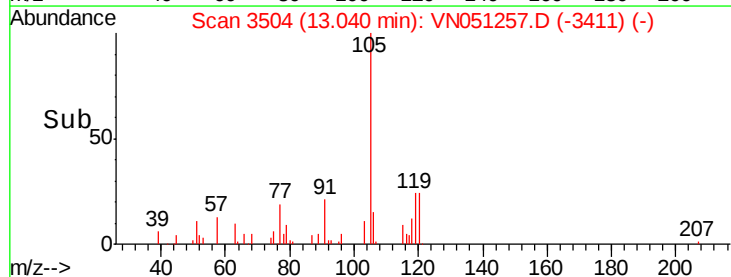
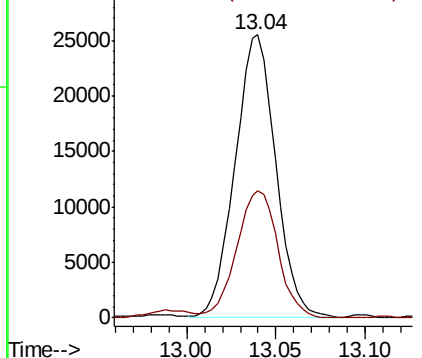


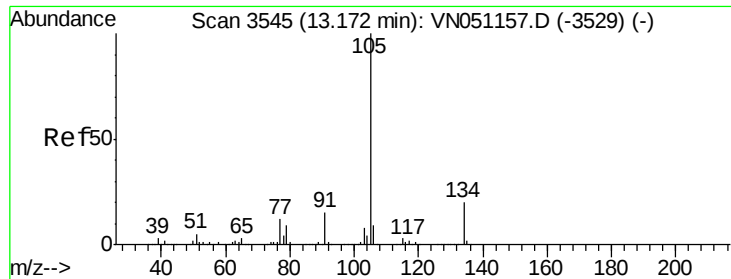
#84
 1,2,4-Trimethylbenzene
 Concen: 3.09 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051257.D
 Acq: 16 Sep 2018 6:13

Tgt Ion:105 Resp: 40589
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.12 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

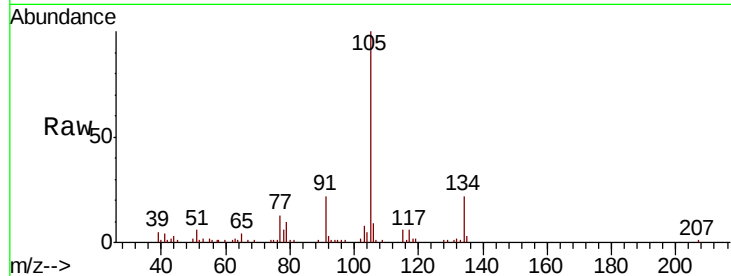
ClientSampleId :

Tot Ion:105 Resp: 47154

Ion Ratio Lower Upper

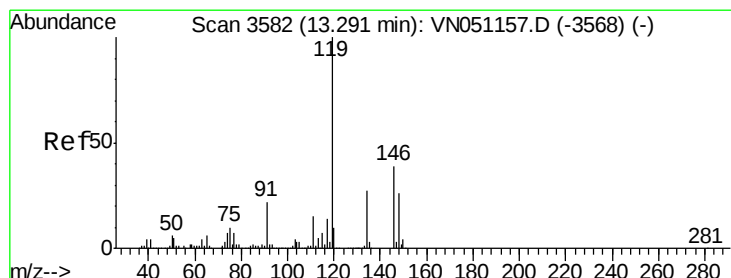
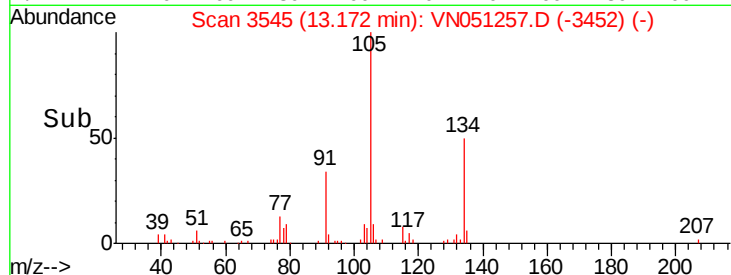
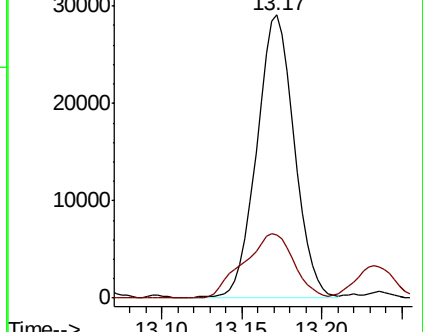
105 100

134 30.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.60 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

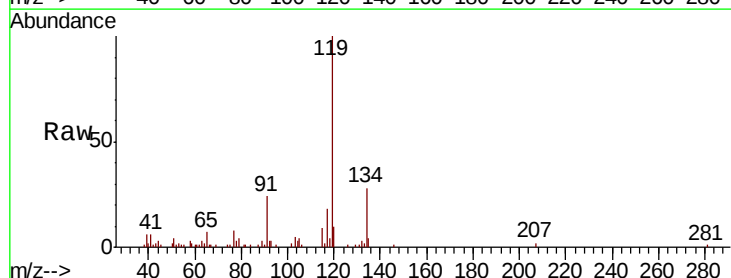
Tgt Ion:119 Resp: 46132

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

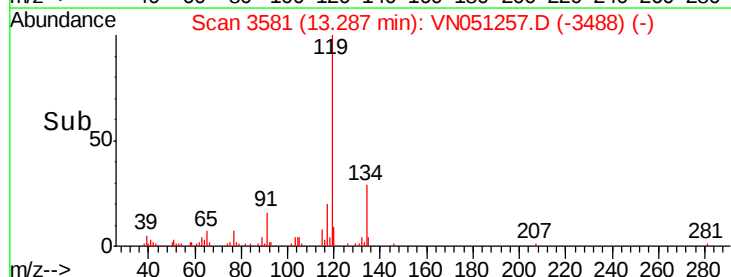
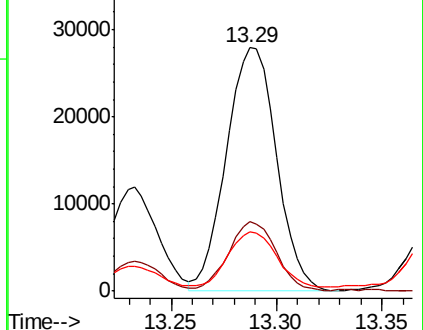
91 22.0 10.9 32.9

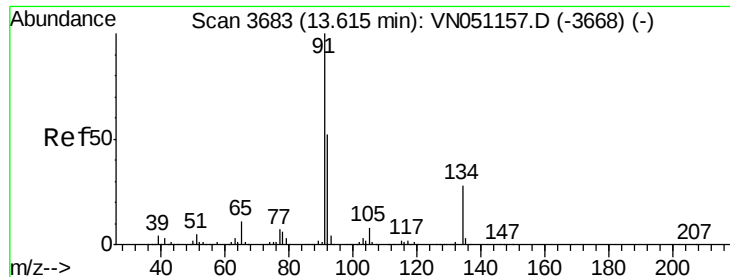


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 1.86 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

ClientSampled :

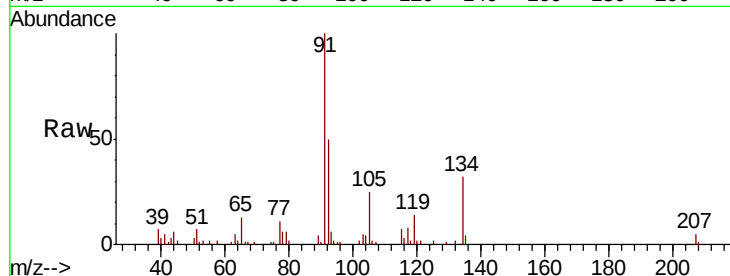
Tot Ion: 91 Resp: 18533

Ion Ratio Lower Upper

91 100

92 64.5 26.2 78.6

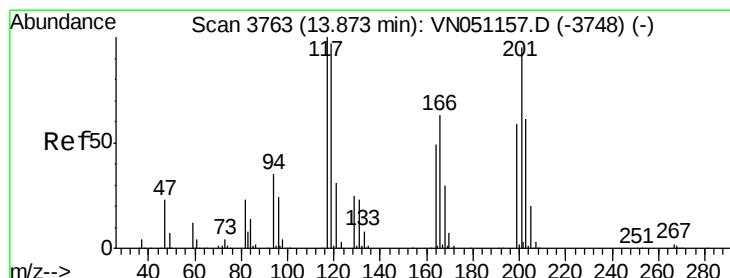
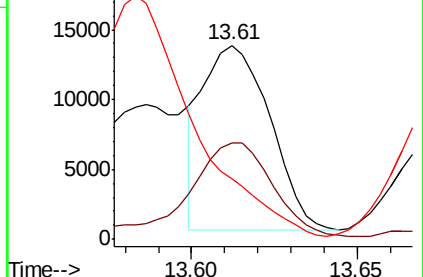
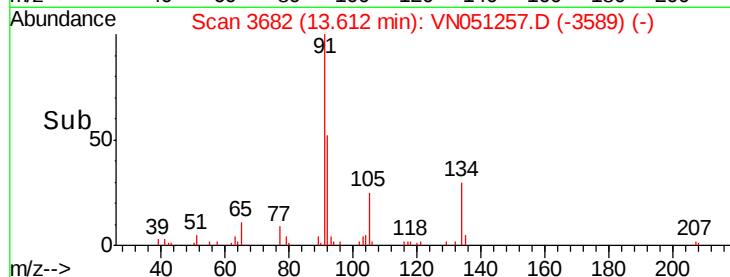
134 0.0 13.7 41.1#



Abundance Ion 91.00 (90.70 to 91.70): VN051157.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051157.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051157.D (-3668) (-)



#90

Hexachloroethane

Concen: 9.94 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN051257.D

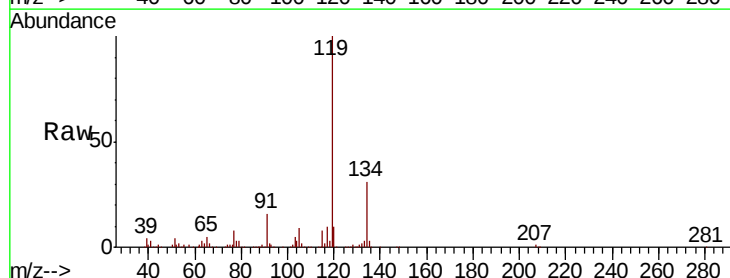
Acq: 16 Sep 2018 6:13

Tgt Ion: 117 Resp: 24335

Ion Ratio Lower Upper

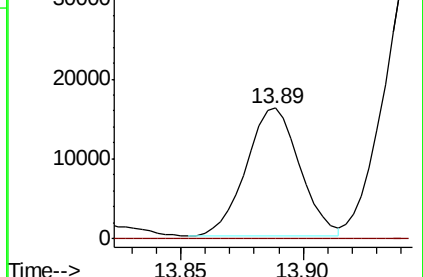
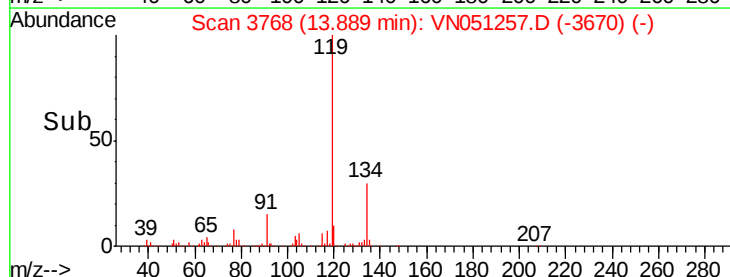
117 100

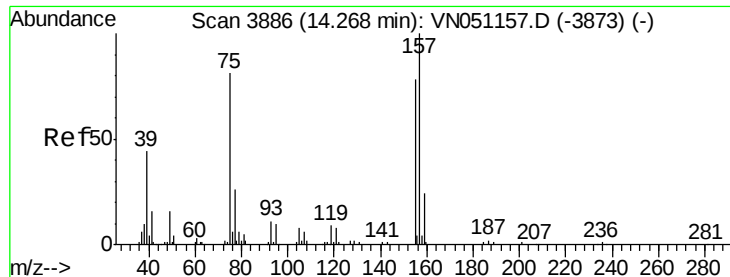
201 0.0 47.3 142.0#



Abundance Ion 116.80 (116.50 to 117.50): VN051157.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051157.D (-3748) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.79 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Instrument :

MSVOA_N

ClientSampleId :

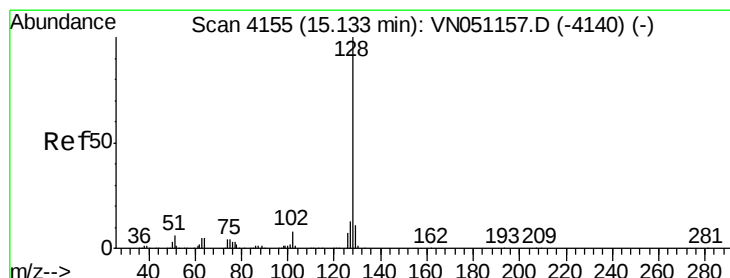
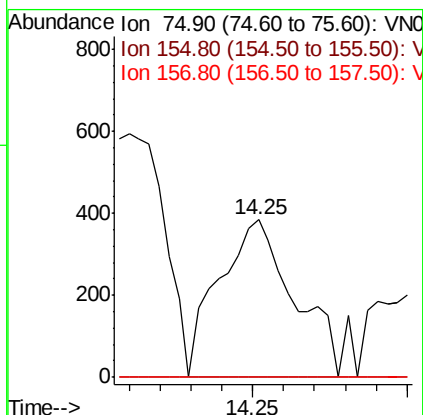
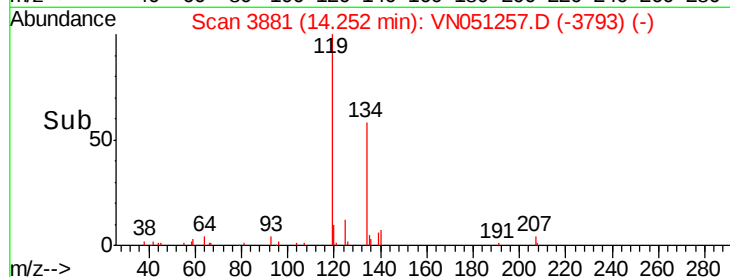
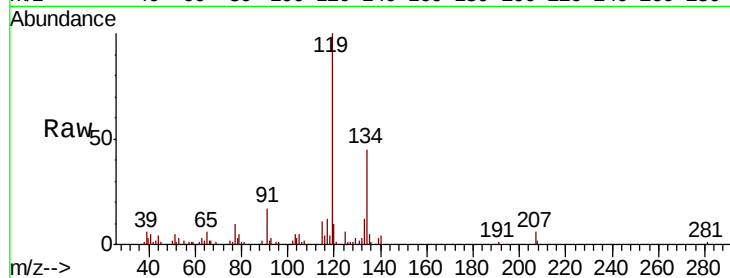
Tot Ion: 75 Resp: 649

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

157 0.0 63.6 190.9#



#95

Naphthalene

Concen: 8.84 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051257.D

Acq: 16 Sep 2018 6:13

Tgt Ion: 128 Resp: 28974

Ion Ratio Lower Upper

128 100

127 14.9 10.6 15.8

129 9.1 8.6 12.8

