

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049368.D
 Acq On : 19 Jun 2018 2:49
 Operator : MD\SY
 Sample : J3538-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 04:00:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1189747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1892155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1572564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	550917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	792457	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.59	113	693389	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	
50) Toluene-d8	10.09	98	2587569	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
62) 4-Bromofluorobenzene	12.41	95	714948	37.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.20%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	4388	0.25	ug/l	# 83
5) Bromomethane	2.57	94	4330	0.44	ug/l	88
8) Diethyl Ether	3.41	74	1706	0.21	ug/l	67
11) Tert butyl alcohol	4.81	59	203	0.22	ug/l	# 70
13) Acrolein	3.61	56	631	0.65	ug/l	99
14) Allyl chloride	4.55	41	18971	0.88	ug/l	# 22
16) Acetone	3.82	43	41654	10.87	ug/l	95
18) Methyl Acetate	4.33	43	103904	8.89	ug/l	94
20) Methylene Chloride	4.55	84	519268	32.45	ug/l	91
25) 2-Butanone	6.85	43	9736	1.89	ug/l	93
28) Bromochloromethane	7.37	49	2704	0.22	ug/l	# 18
29) Tetrahydrofuran	7.21	42	826	0.25	ug/l	# 77
30) Chloroform	7.37	83	39863	1.45	ug/l	94
31) Cyclohexane	7.67	56	21197	0.73	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	84523	3.90	ug/l	# 50
38) Carbon Tetrachloride	7.67	117	108161	4.82	ug/l	# 17
43) Isopropyl Acetate	8.22	43	408599	18.14	ug/l	# 64
47) Bromodichloromethane	9.40	83	15124	0.68	ug/l	98
49) 1,4-Dioxane	9.21	88	65	0.44	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.99	43	6222	0.53	ug/l	91
52) Toluene	10.16	92	21617	0.55	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.69	63	30	14.33	ug/l	# 51
60) Dibromochloromethane	10.91	129	4060	0.25	ug/l	97
64) Tetrachloroethene	10.63	164	4961	0.31	ug/l	92
65) Chlorobenzene	11.44	112	18373	0.45	ug/l	99
67) Ethyl Benzene	11.51	91	80845	1.20	ug/l	94
68) m/p-Xylenes	11.62	106	90672	3.60	ug/l	96
69) o-Xylene	11.95	106	27019	1.11	ug/l	100
70) Styrene	11.97	104	15075	0.39	ug/l	# 79
71) Bromoform	12.41	173	3360	0.34	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.50	83	107	Below	Cal	# 26
76) 1,2,3-Trichloropropane	12.40	75	345465	36.75	ug/l	# 100
77) Bromobenzene	12.56	156	18047	1.41	ug/l	# 1
78) n-propylbenzene	12.60	91	15890	0.30	ug/l	95

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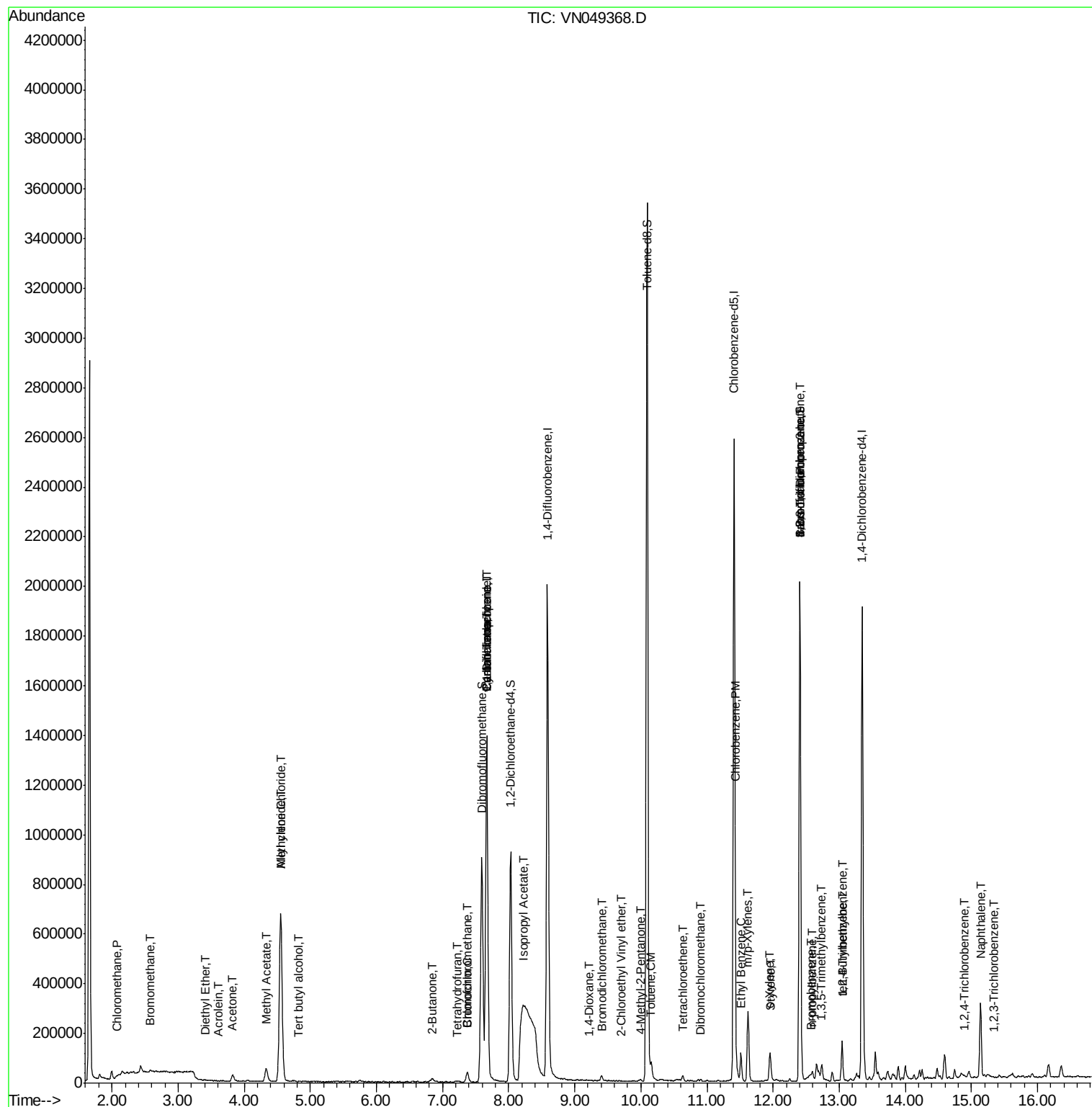
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.74	105	27098	0.71	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	345465	116.15	ug/l #	9
83) tert-Butylbenzene	13.04	119	12014	0.36	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.04	105	88772	2.35	ug/l	97
90) Hexachloroethane	13.89	117	3228	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.90	180	724	4.81	ug/l #	1
94) Hexachlorobutadiene	15.01	225	68	Below	Cal #	18
95) Naphthalene	15.14	128	265883	18.67	ug/l	100
96) 1,2,3-Trichlorobenzene	15.33	180	619	3.52	ug/l #	58

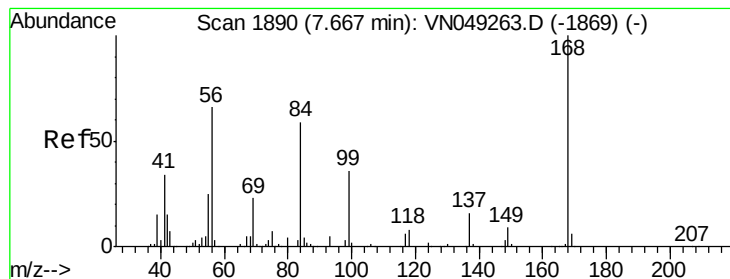
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :

MSVOA_N

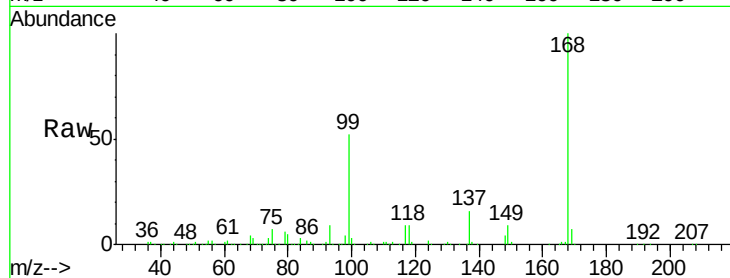
ClientSampleId :

Tot Ion:168 Resp: 1189747

Ion Ratio Lower Upper

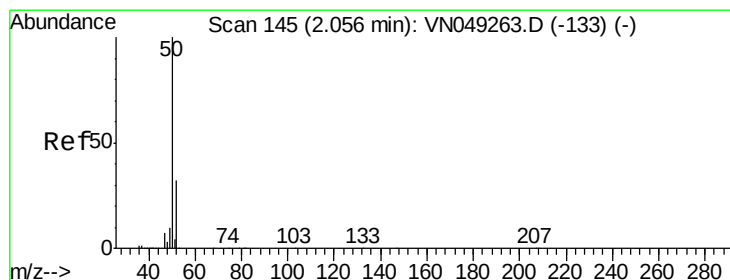
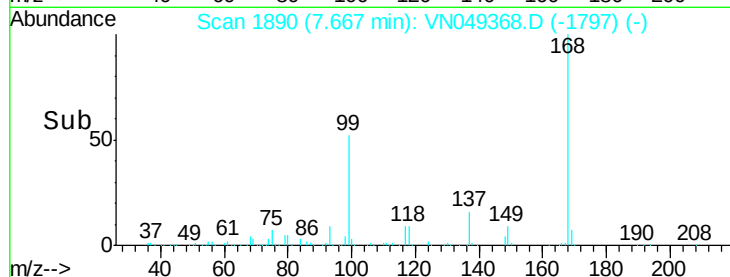
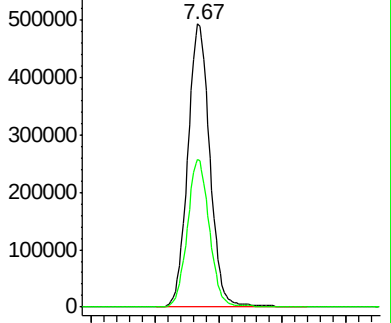
168 100

99 52.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049368.D

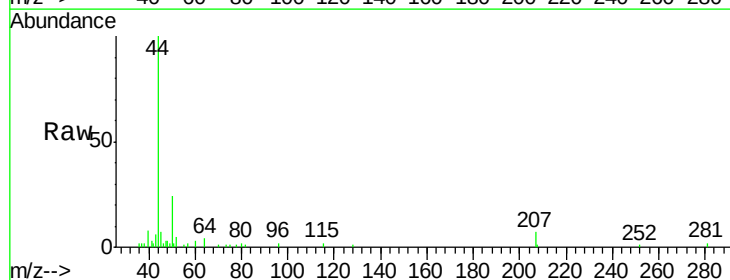
Acq: 19 Jun 2018 2:49

Tgt Ion: 50 Resp: 4388

Ion Ratio Lower Upper

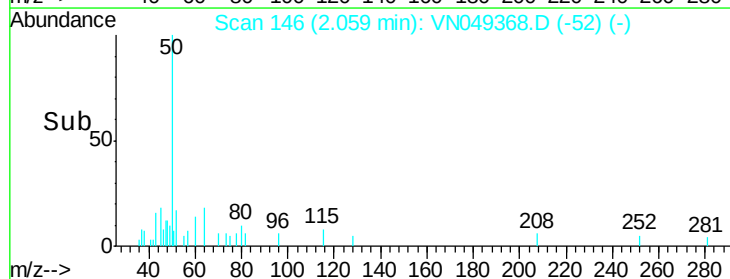
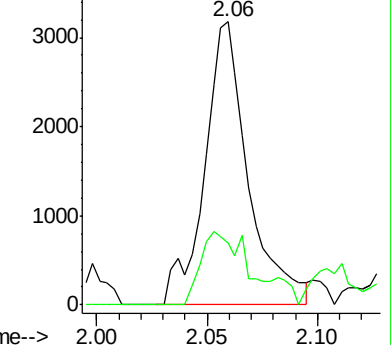
50 100

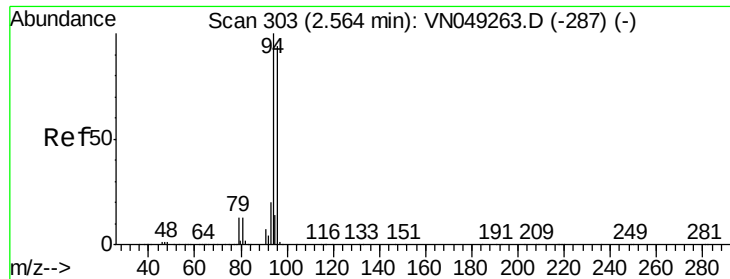
52 22.1 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.44 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :

MSVOA_N

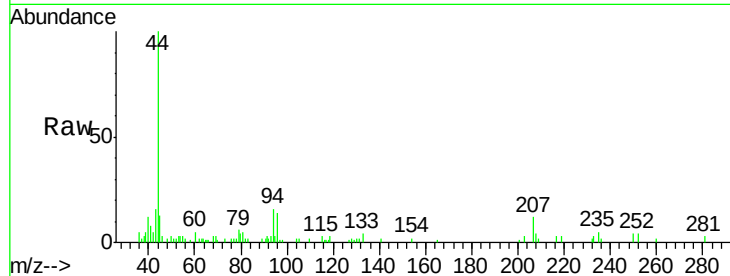
ClientSampled :

Tot Ion: 94 Resp: 4330

Ion Ratio Lower Upper

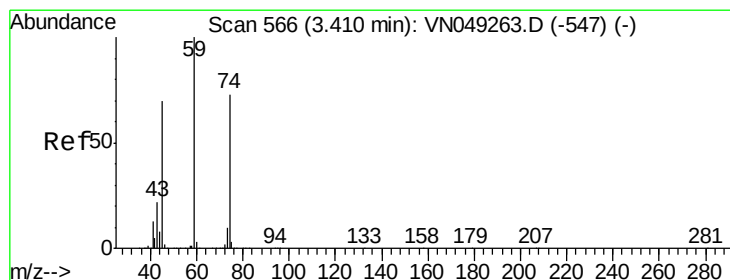
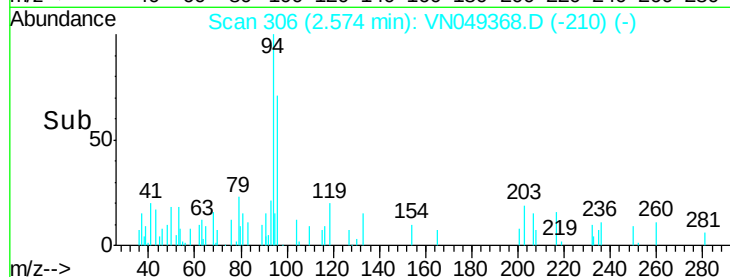
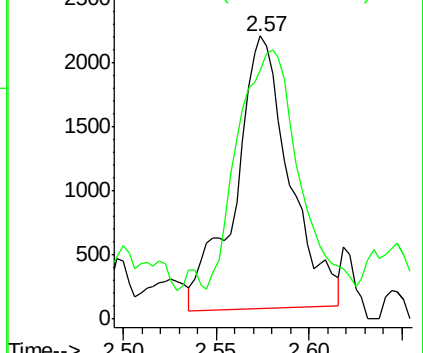
94 100

96 79.5 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: 0.21 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049368.D

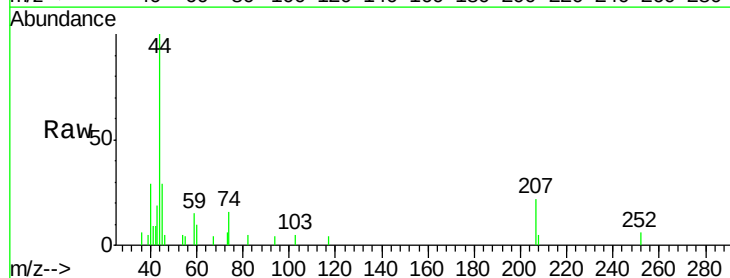
Acq: 19 Jun 2018 2:49

Tgt Ion: 74 Resp: 1706

Ion Ratio Lower Upper

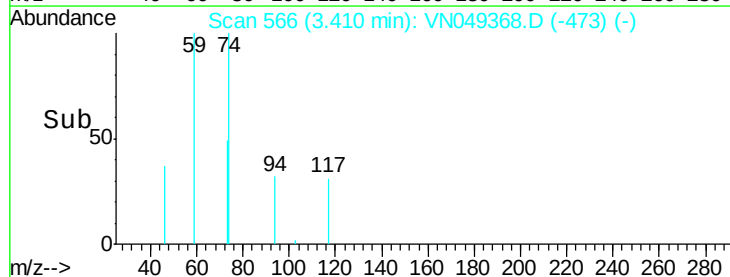
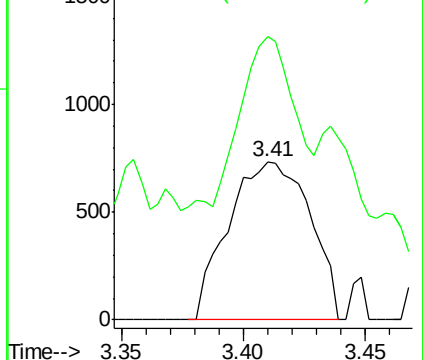
74 100

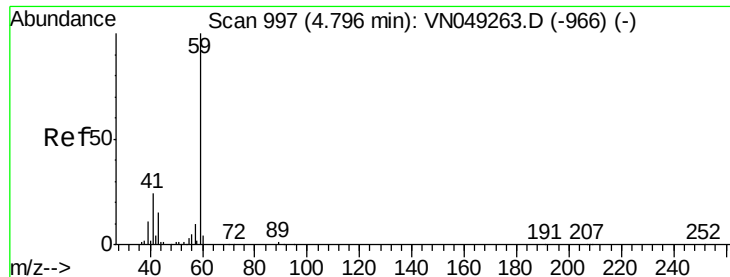
45 70.5 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

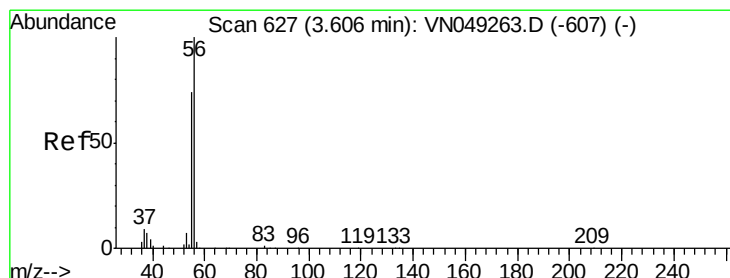
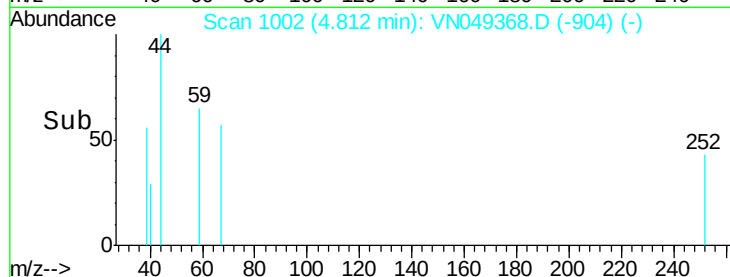
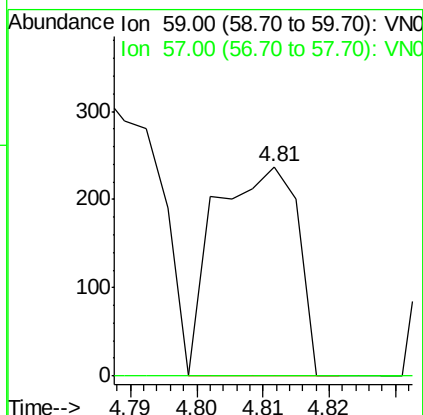
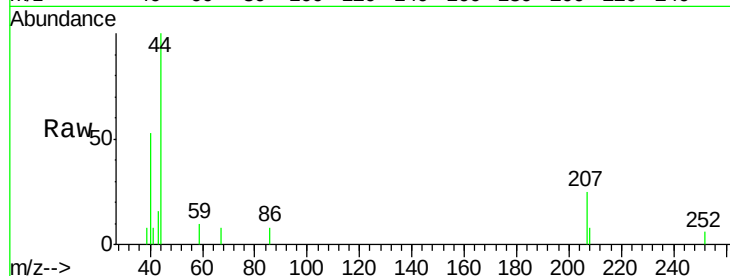




#11
Tert butyl alcohol
Concen: 0.22 ug/l
RT: 4.81 min Scan# 1002
Delta R.T. 0.02 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

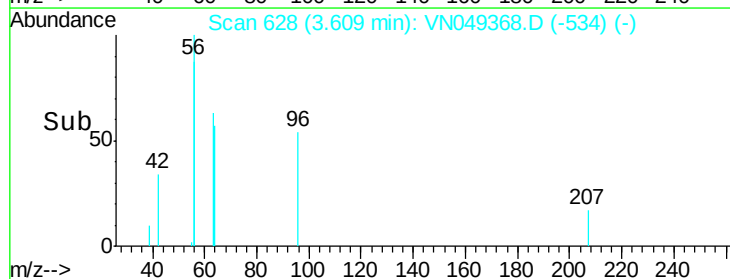
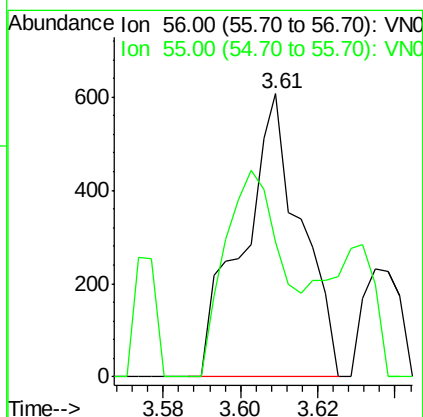
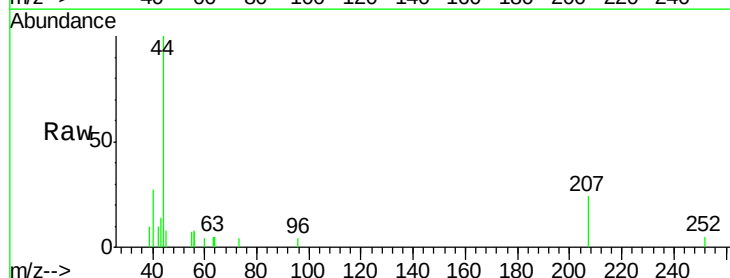
Instrument :
MSVOA_N
ClientSampled :

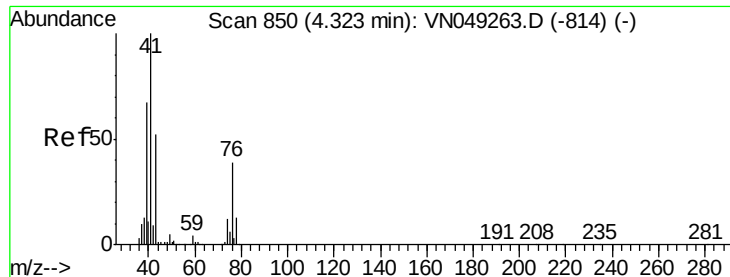
Tot Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 0.65 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion: 56 Resp: 631
Ion Ratio Lower Upper
56 100
55 72.1 57.1 85.7

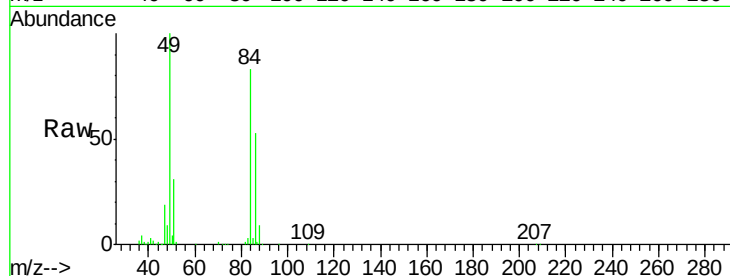




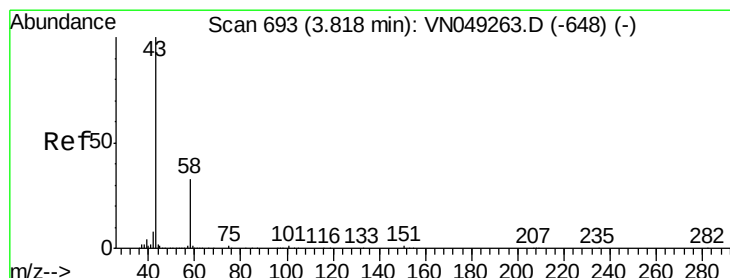
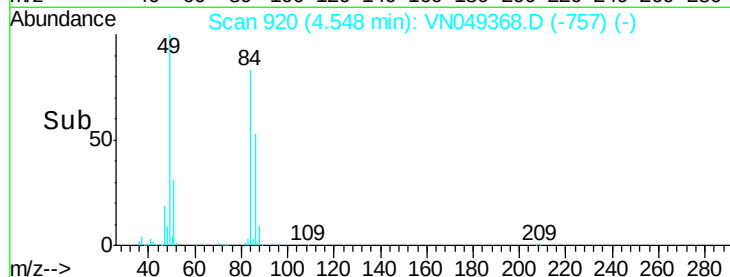
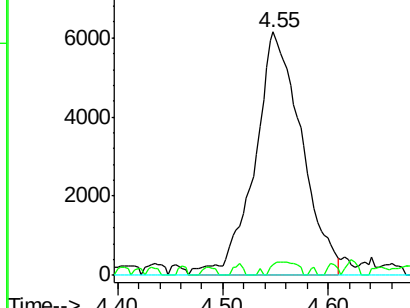
#14
Allvl chloride
Concen: 0.88 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.23 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
41	100		
39	2.9	62.5	93.7#
76	0.0	27.1	40.7#

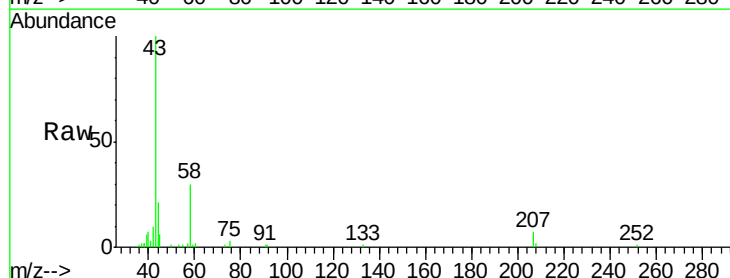


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

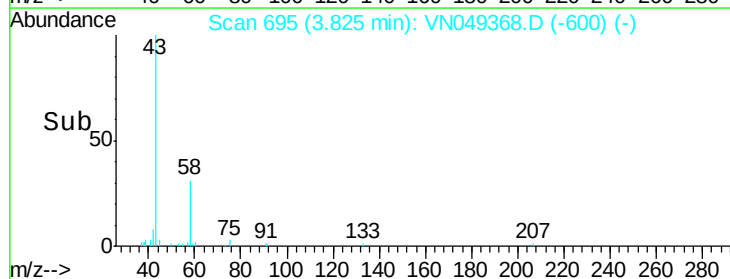
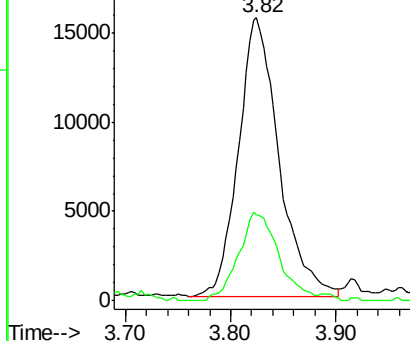


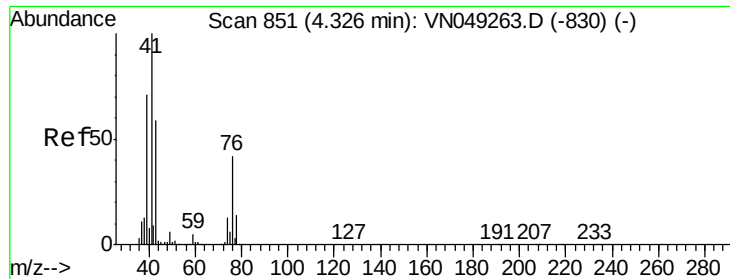
#16
Acetone
Concen: 10.87 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.8	22.4	33.6



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

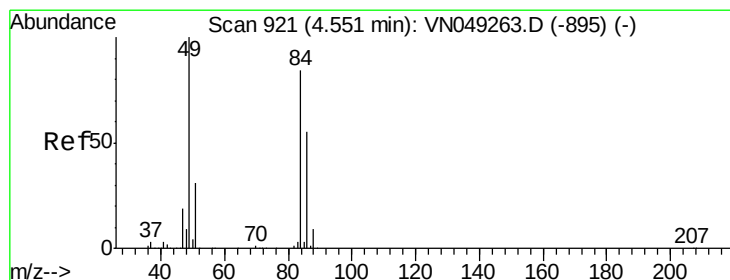
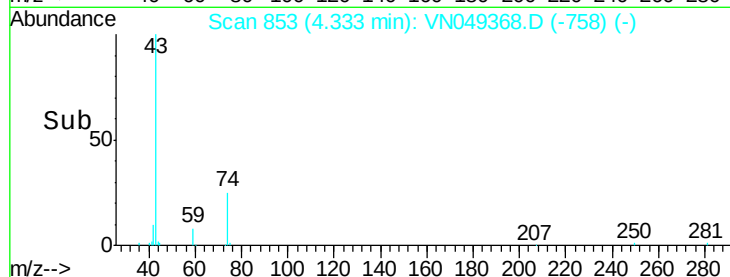
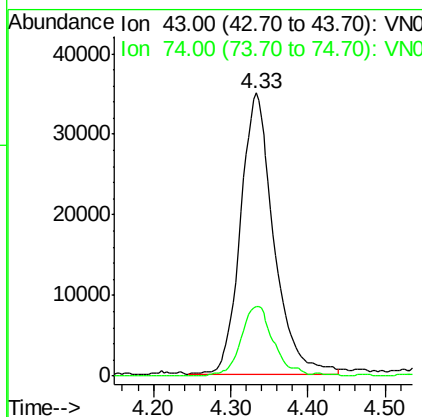
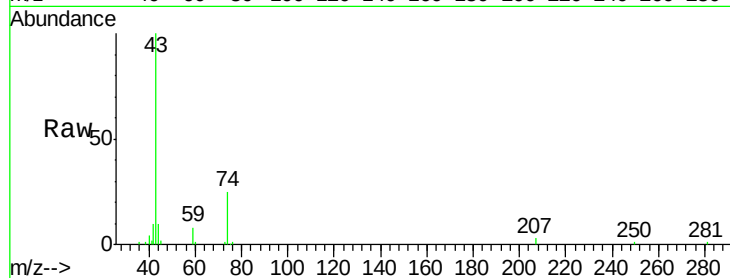




#18
Methvl Acetate
Concen: 8.89 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

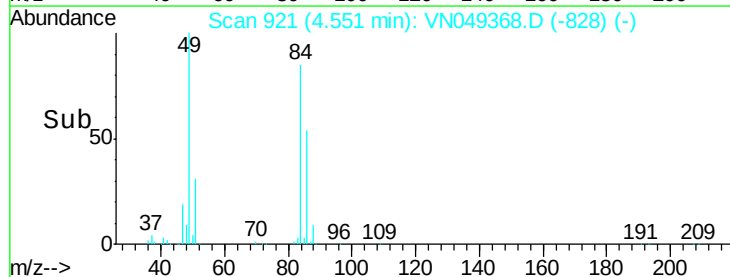
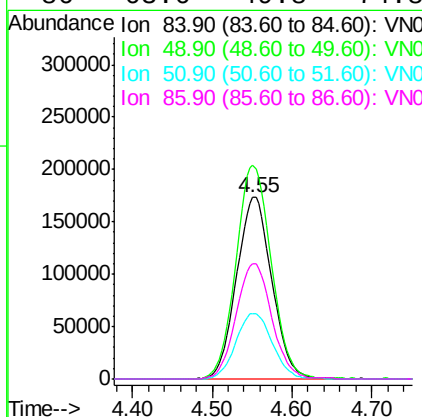
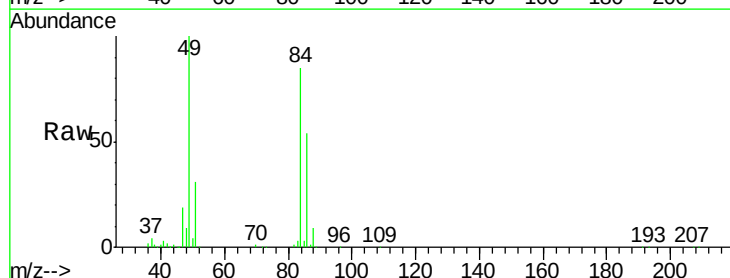
Instrument :
MSVOA_N
ClientSampleId :

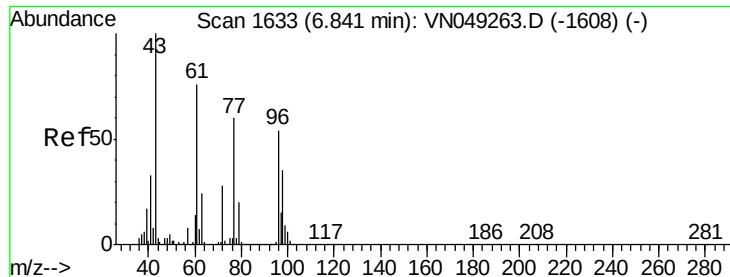
Tot Ion: 43 Resp: 103904
Ion Ratio Lower Upper
43 100
74 24.5 17.4 26.0



#20
Methylene Chloride
Concen: 32.45 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion: 84 Resp: 519268
Ion Ratio Lower Upper
84 100
49 117.6 106.9 160.3
51 36.1 32.7 49.1
86 63.6 49.8 74.8

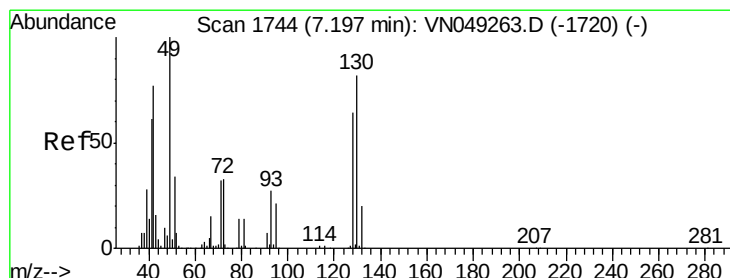
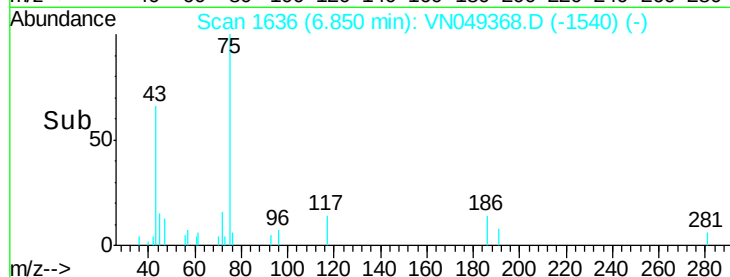
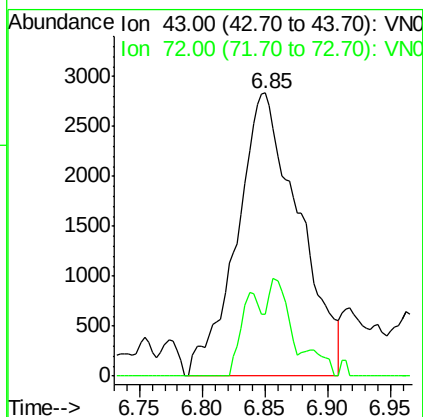
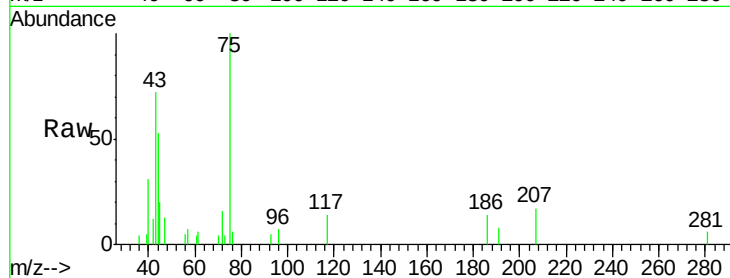




#25
2-Butanone
Concen: 1.89 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

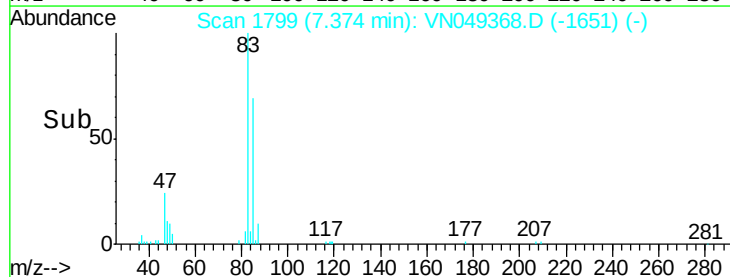
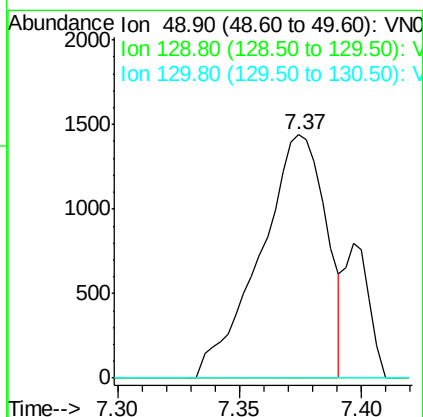
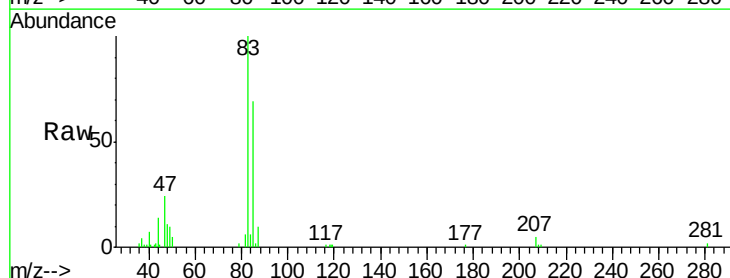
Instrument :
MSVOA_N
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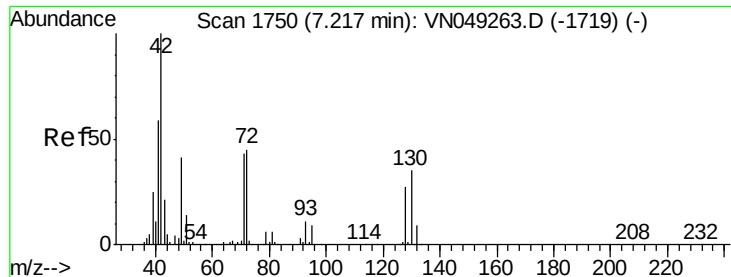
Tot Ion: 43 Resp: 9736
Ion Ratio Lower Upper
43 100
72 21.8 20.2 30.2



#28
Bromochloromethane
Concen: 0.22 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.18 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion: 49 Resp: 2704
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 54.9 82.3#

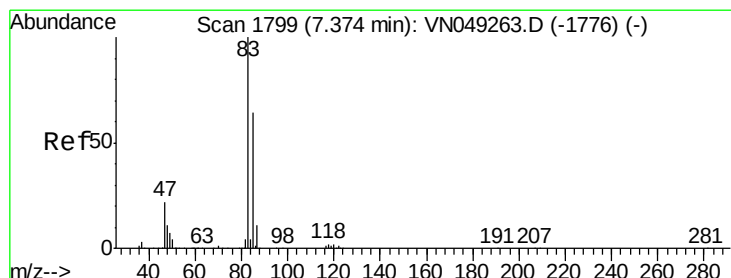
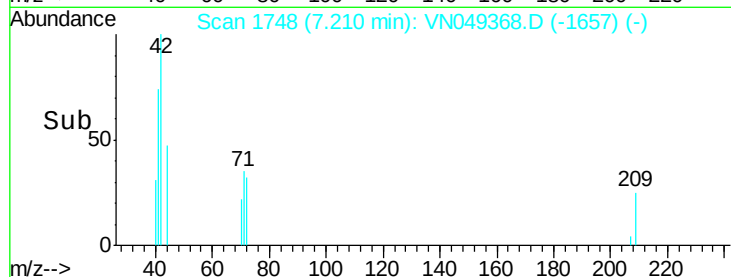
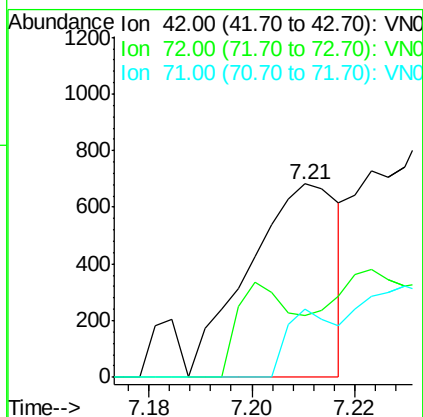
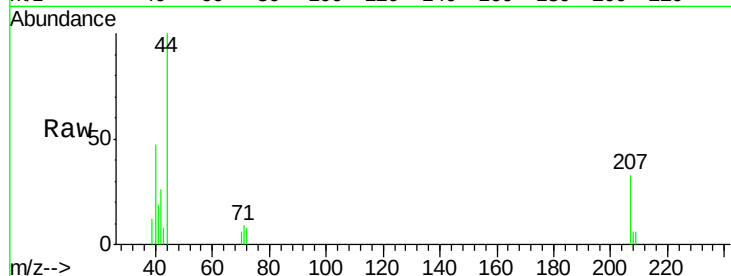




#29
Tetrahydrofuran
Concen: 0.25 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

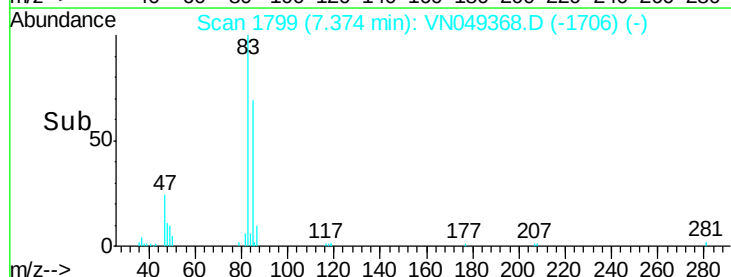
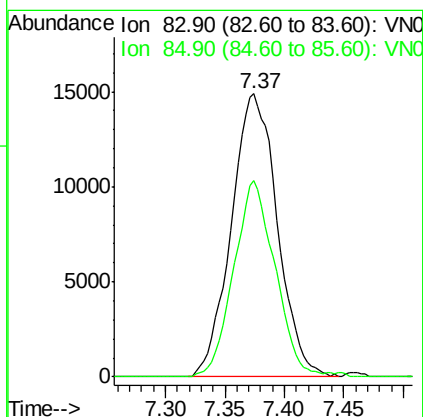
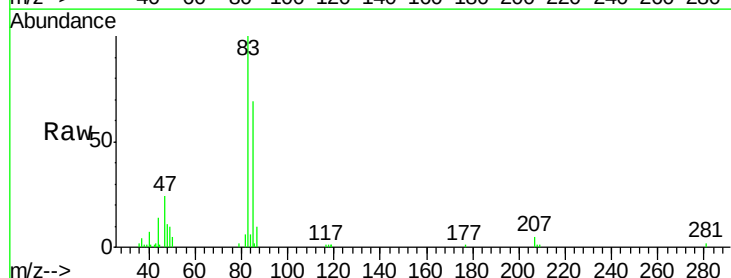
Instrument :
MSVOA_N
ClientSampled :

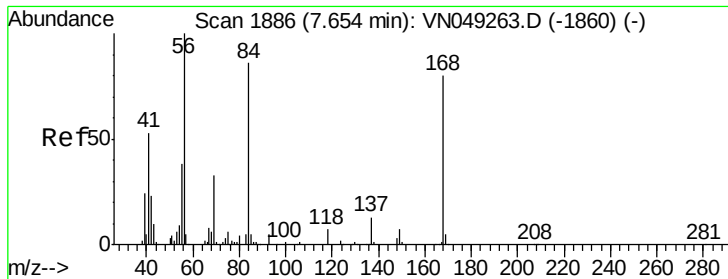
Tot Ion: 42 Resp: 826
Ion Ratio Lower Upper
42 100
72 31.2 32.2 48.4#
71 19.0 30.5 45.7#



#30
Chloroform
Concen: 1.45 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion: 83 Resp: 39863
Ion Ratio Lower Upper
83 100
85 69.2 51.7 77.5





#31

Cyclohexane

Concen: 0.73 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :
MSVOA_N
ClientSampleId :

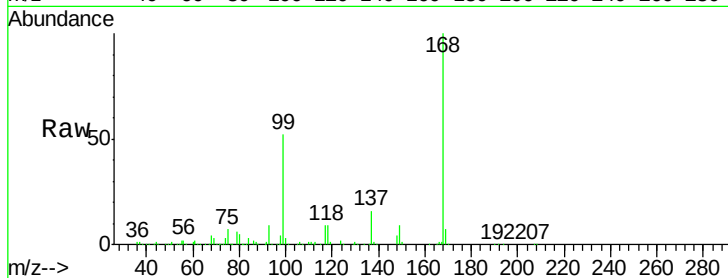
Tot Ion: 56 Resp: 21197

Ion Ratio Lower Upper

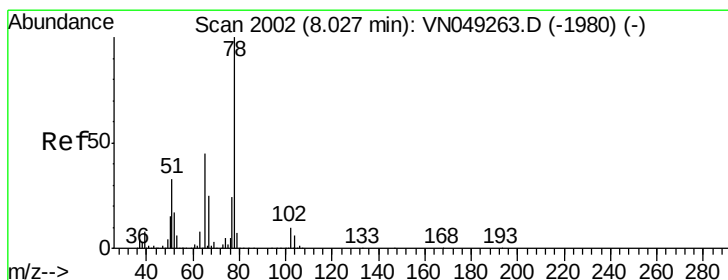
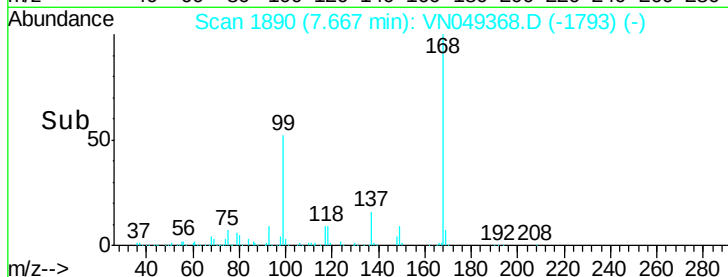
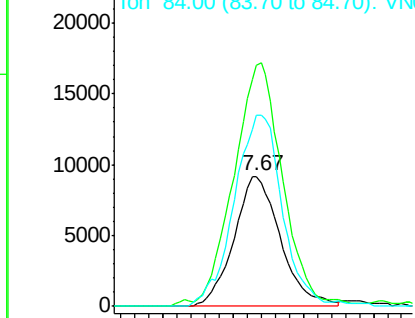
56 100

69 180.5 25.0 37.4#

84 146.5 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: 50.22 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049368.D

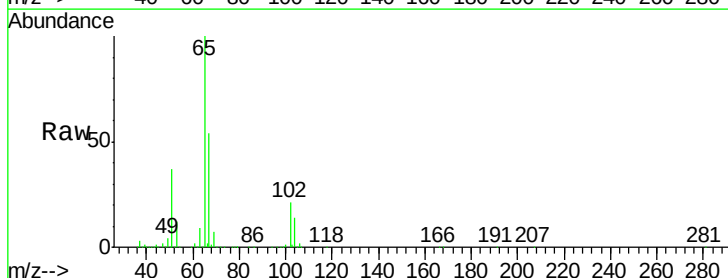
Acq: 19 Jun 2018 2:49

Tgt Ion: 65 Resp: 792457

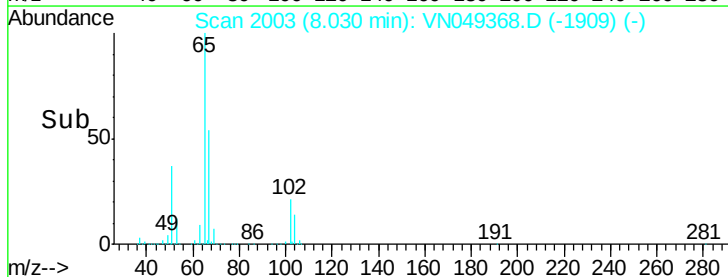
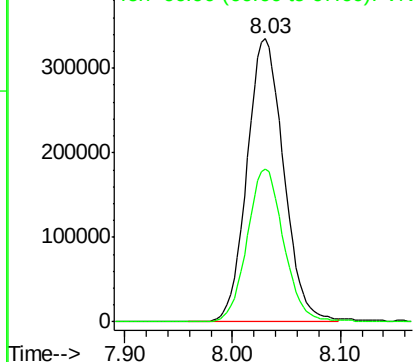
Ion Ratio Lower Upper

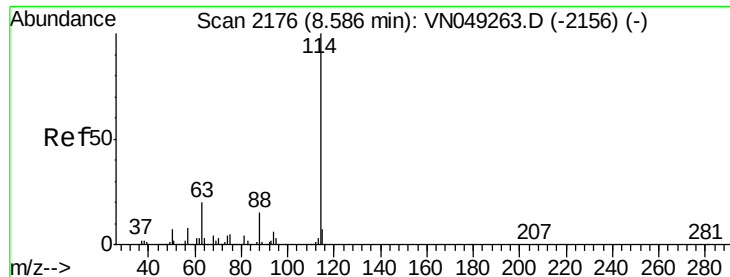
65 100

67 53.8 0.0 103.8



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

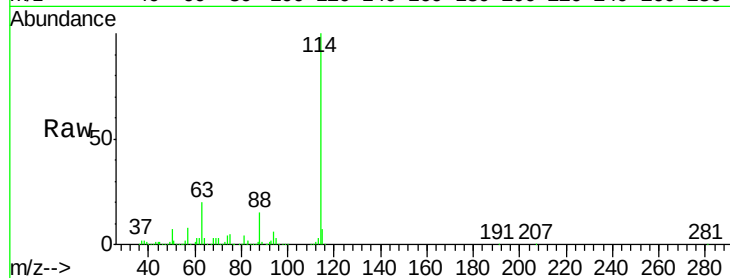




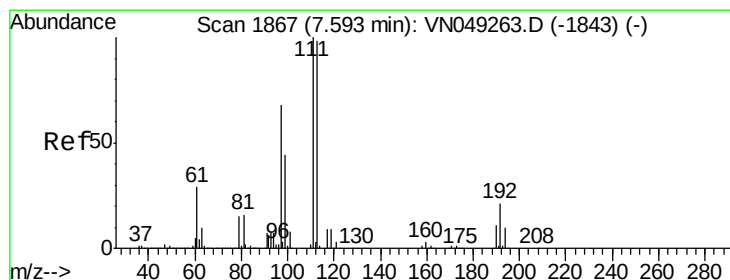
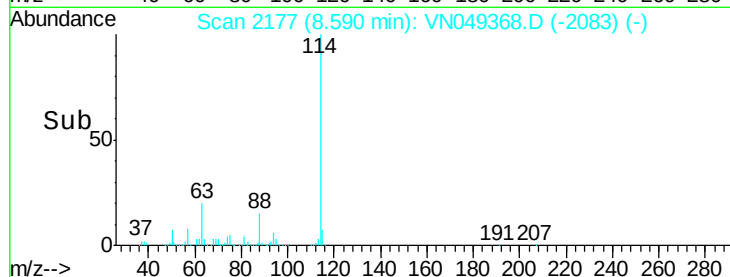
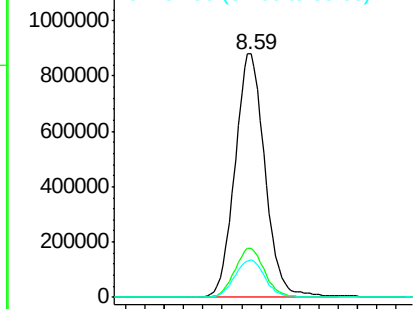
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049368.D
 Acq: 19 Jun 2018 2:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1892155
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 44.4
 88 15.2 0.0 31.4

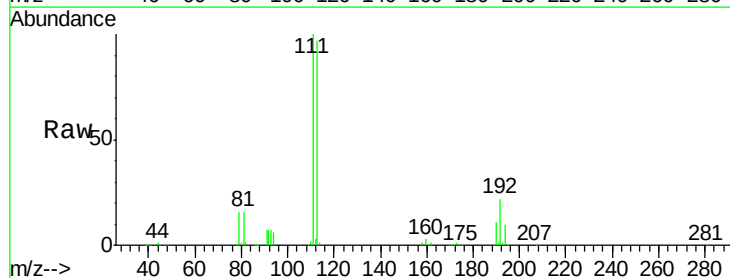


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

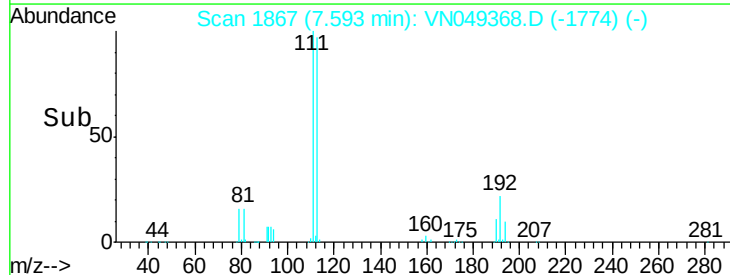
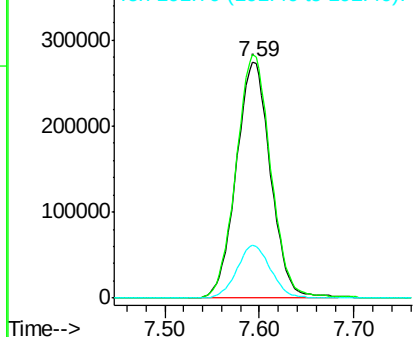


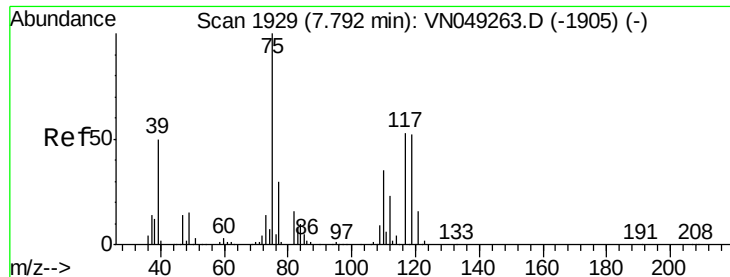
#35
 Dibromofluoromethane
 Concen: 45.29 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049368.D
 Acq: 19 Jun 2018 2:49

Tgt Ion:113 Resp: 693389
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.4 123.6
 192 22.1 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

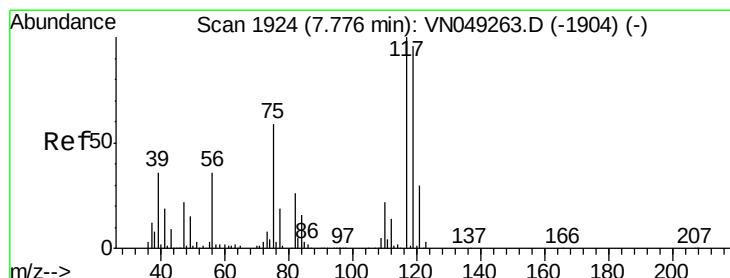
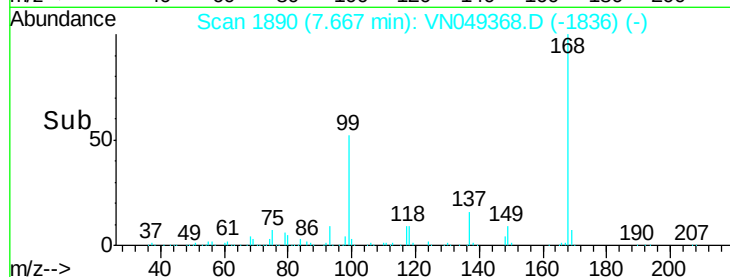
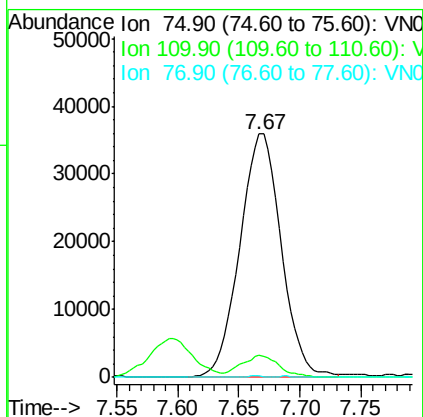
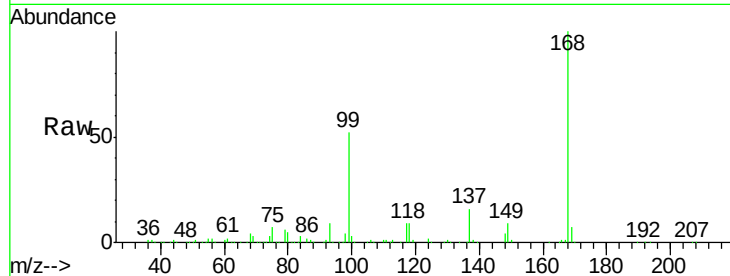




#36
 1,1-Dichloropropene
 Concen: 3.90 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049368.D
 Acq: 19 Jun 2018 2:49

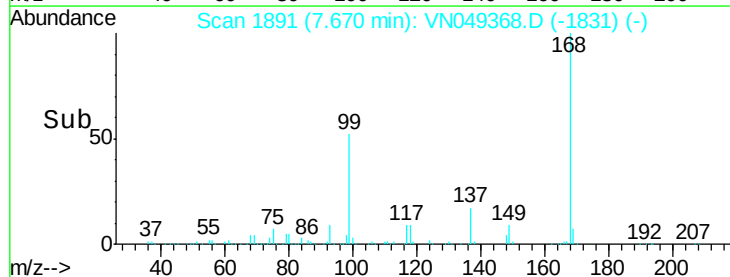
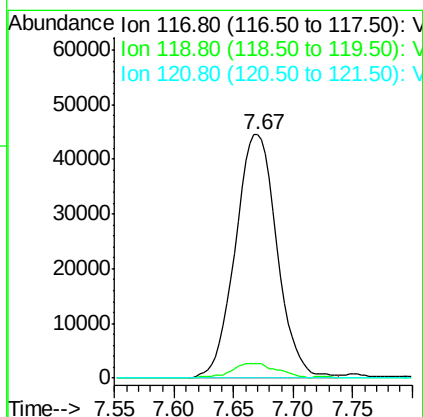
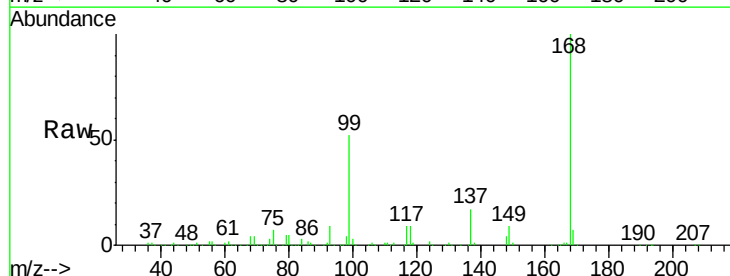
Instrument :
 MSVOA_N
 ClientSampleId :

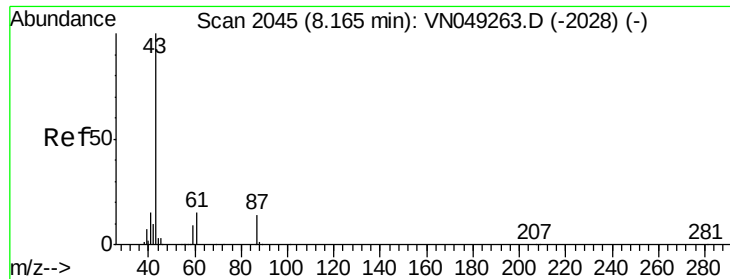
Tot Ion	75	Resp	84523
Ion Ratio	Lower	Upper	
75	100		
110	8.4	17.0	50.9#
77	0.2	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.82 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN049368.D
 Acq: 19 Jun 2018 2:49

Tgt Ion	117	Resp	108161
Ion Ratio	Lower	Upper	
117	100		
119	6.2	75.6	113.4#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 18.14 ug/l

RT: 8.22 min Scan# 2063

Delta R.T. 0.06 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :

MSVOA_N

ClientSampleId :

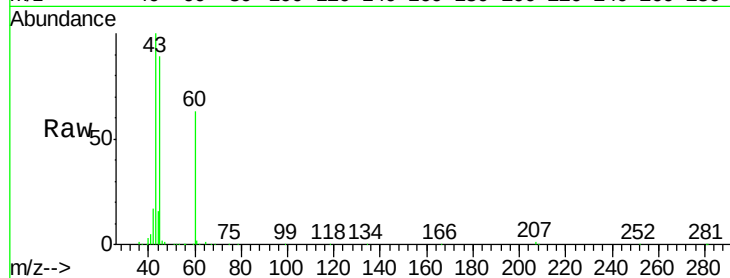
Tot Ion: 43 Resp: 408599

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

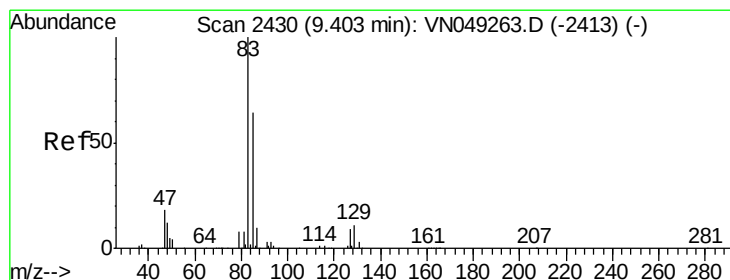
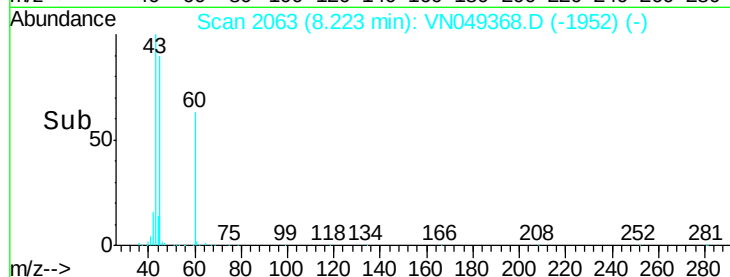
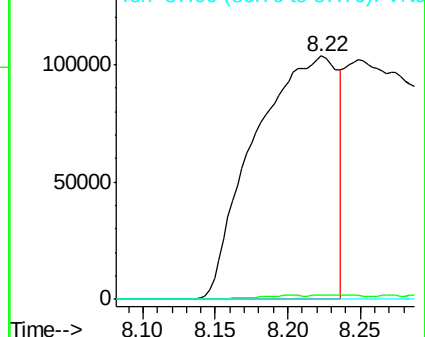
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#47

Bromodichloromethane

Concen: 0.68 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

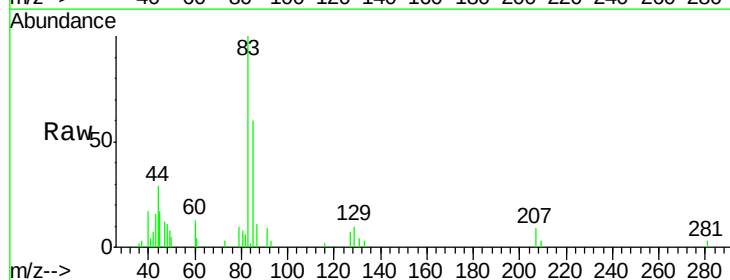
Tgt Ion: 83 Resp: 15124

Ion Ratio Lower Upper

83 100

85 60.0 49.4 74.0

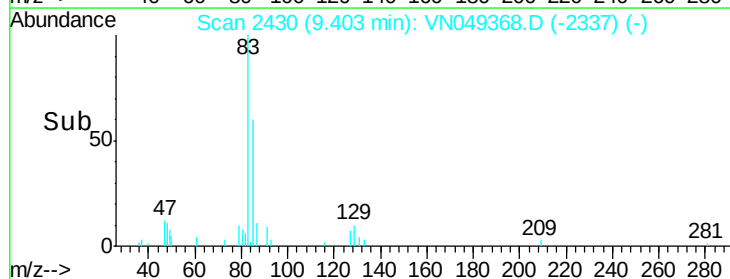
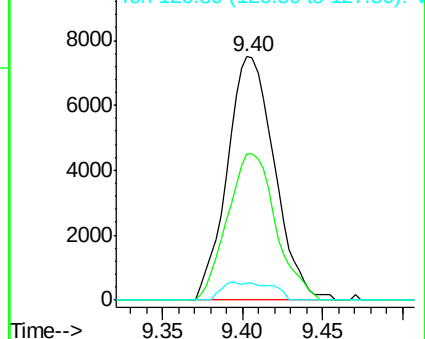
127 7.1 6.3 9.5

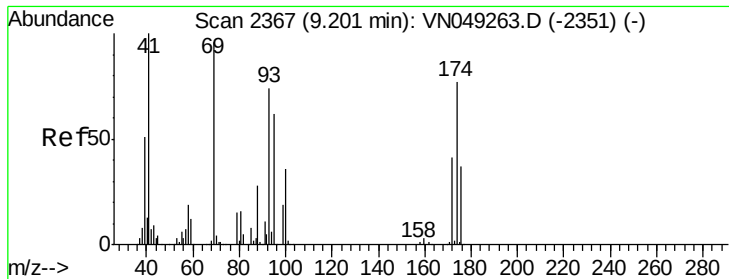


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

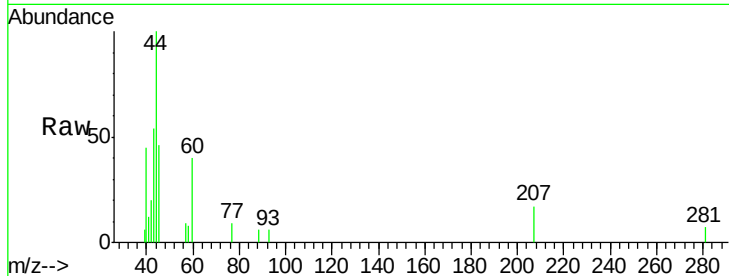




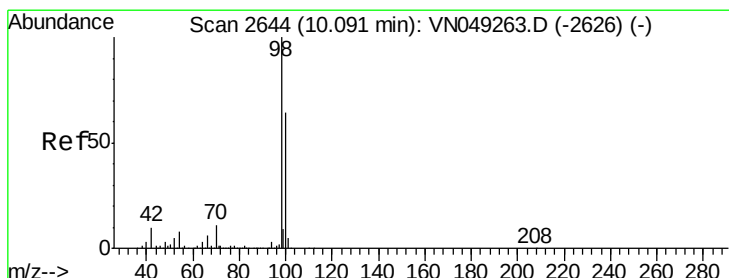
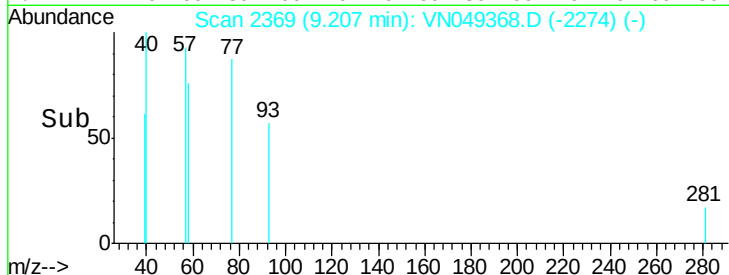
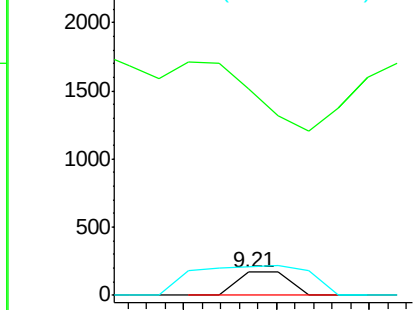
#49
1,4-Dioxane
Concen: 0.44 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.01 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 841.5 30.9 46.3#
58 296.9 58.9 88.3#

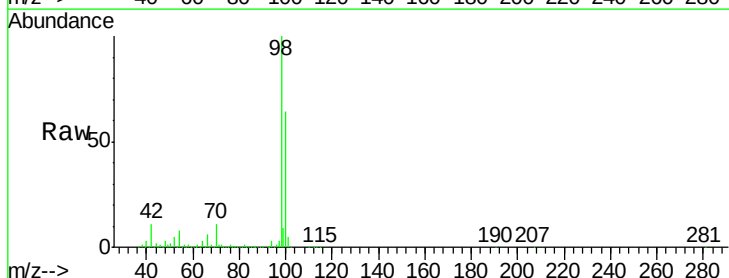


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

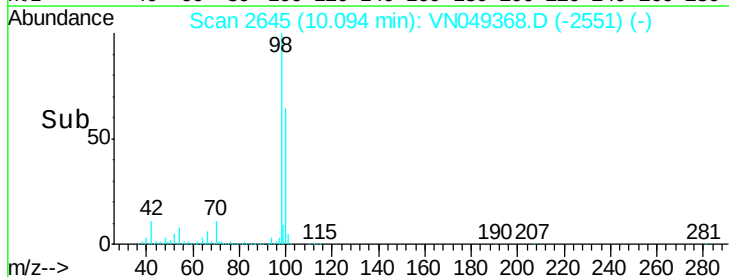
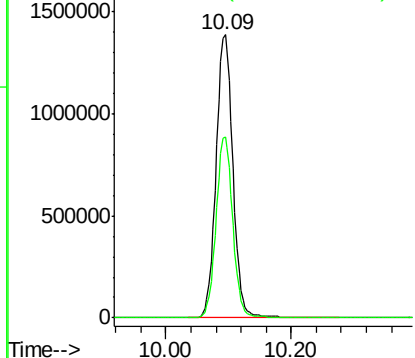


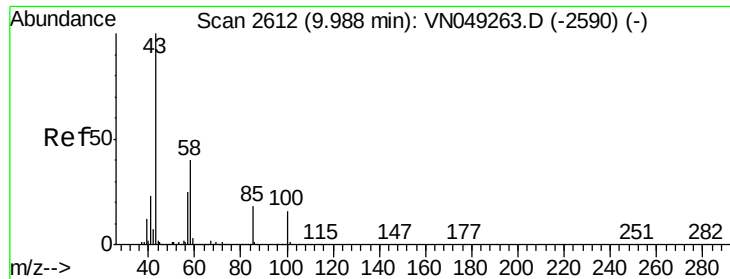
#50
Toluene-d8
Concen: 44.39 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion: 98 Resp: 2587569
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.8



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

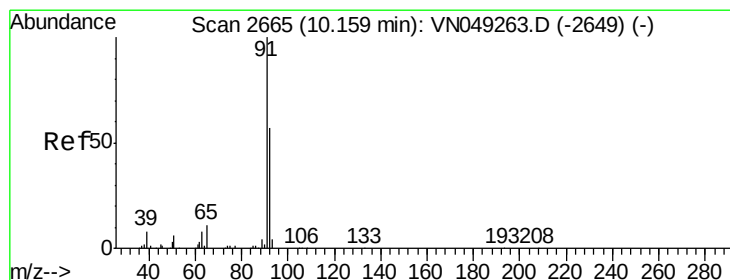
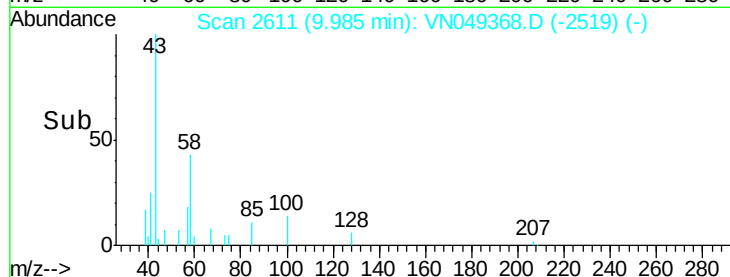
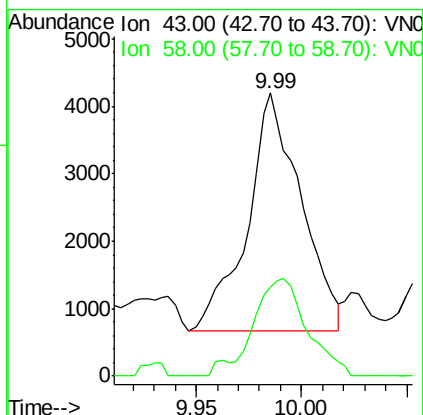
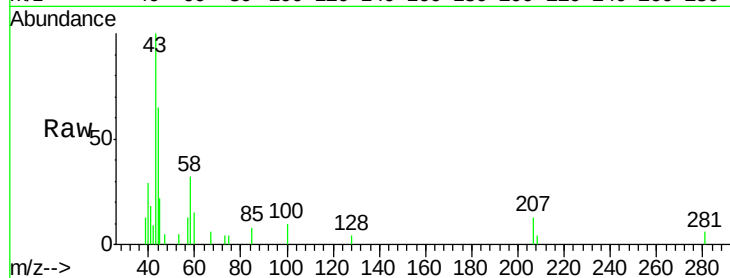




#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

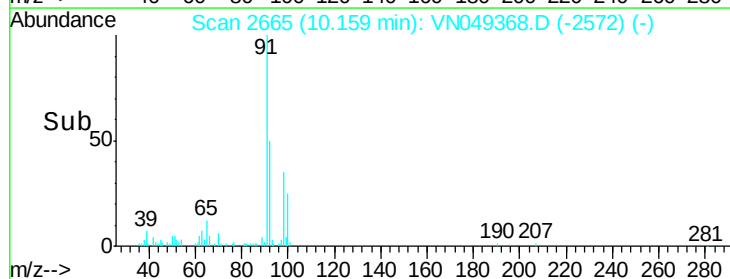
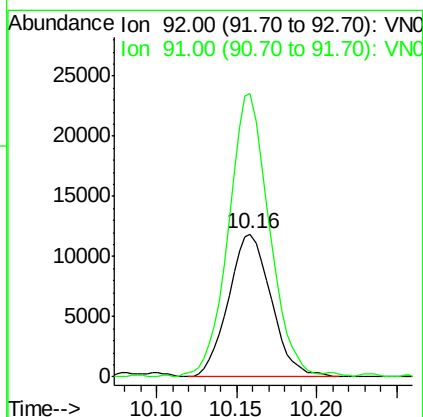
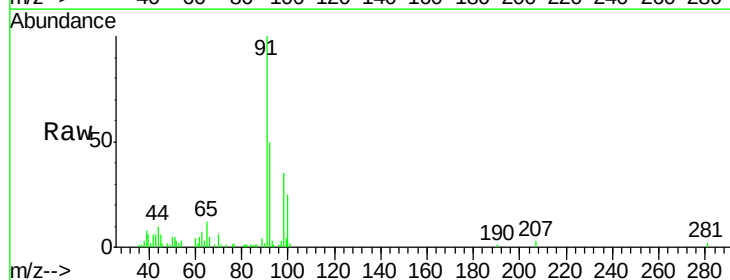
Instrument :
MSVOA_N
ClientSampled :

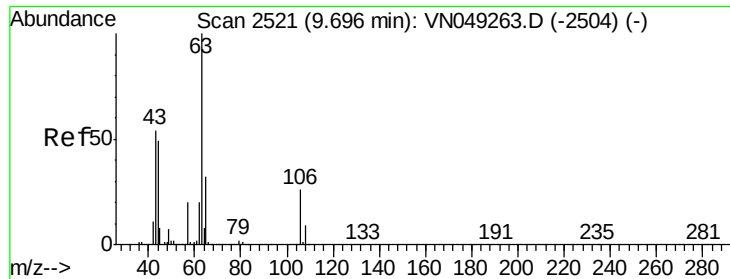
Tot Ion: 43 Resp: 6222
Ion Ratio Lower Upper
43 100
58 41.6 29.0 43.6



#52
Toluene
Concen: 0.55 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. -0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion: 92 Resp: 21617
Ion Ratio Lower Upper
92 100
91 189.1 143.4 215.2

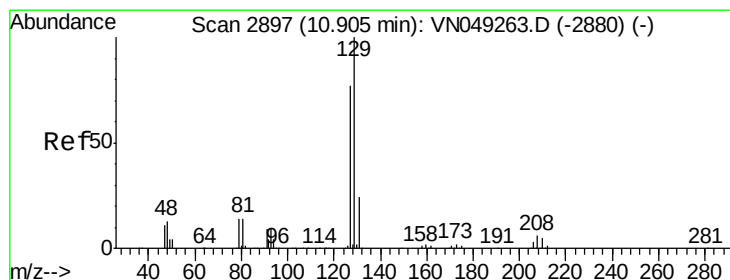
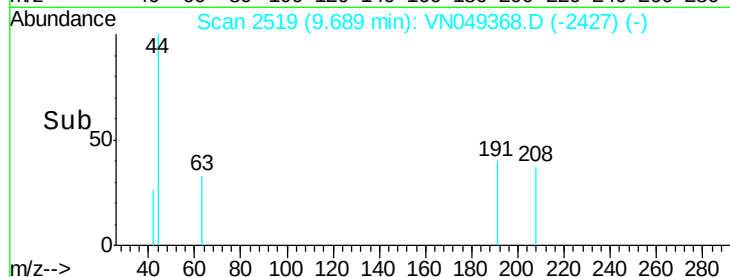
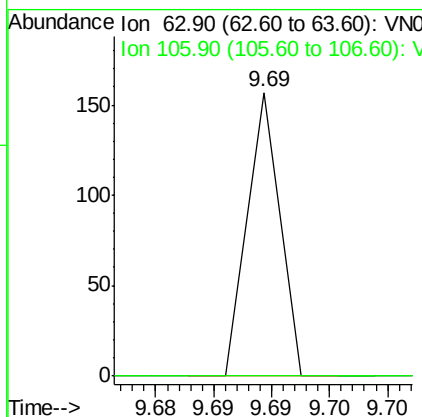
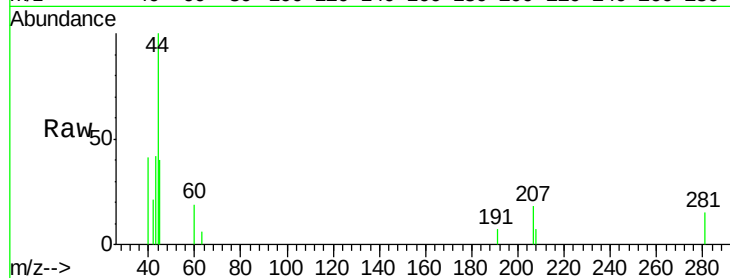




#58
2-Chloroethyl Vinyl ether
Concen: 14.33 ug/l
RT: 9.69 min Scan# 2519
Delta R.T. -0.01 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

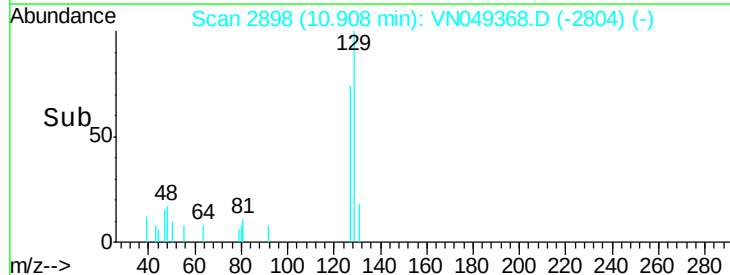
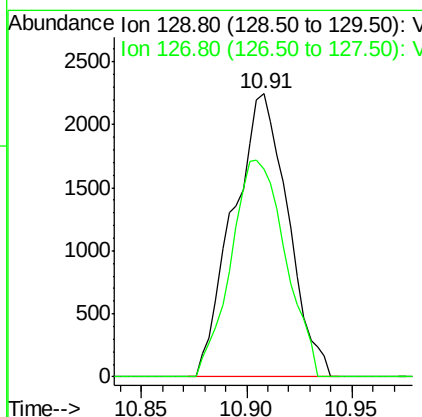
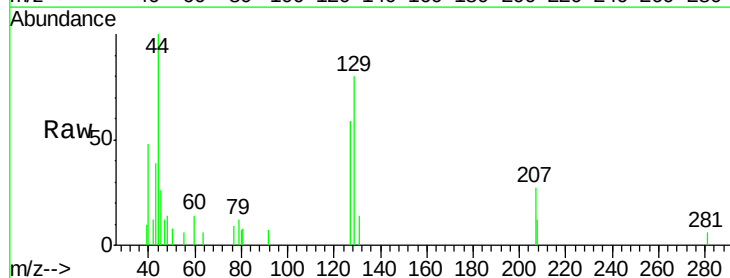
Instrument :
MSVOA_N
ClientSampled :

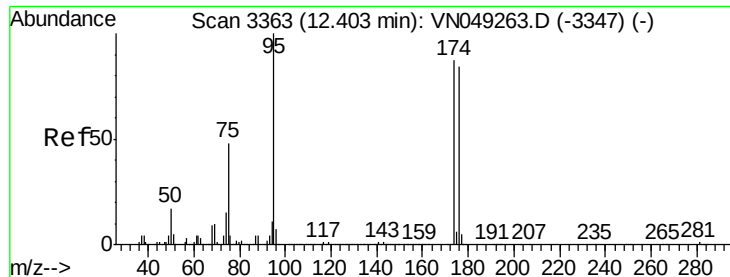
Tot Ion: 63 Resp: 30
Ion Ratio Lower Upper
63 100
106 0.0 19.4 29.2#



#60
Dibromochloromethane
Concen: 0.25 ug/l
RT: 10.91 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion: 129 Resp: 4060
Ion Ratio Lower Upper
129 100
127 75.7 39.1 117.2

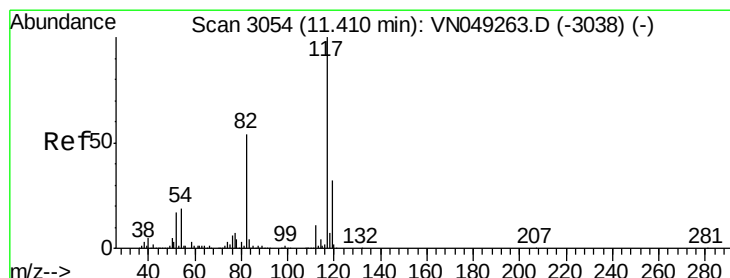
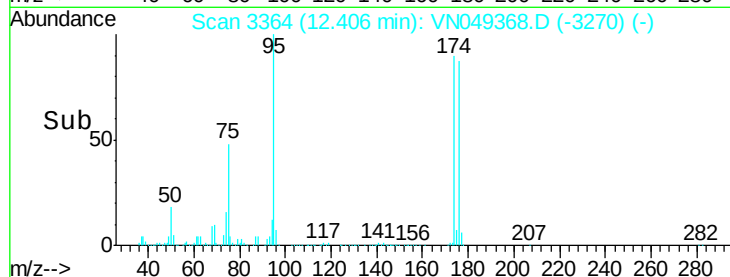
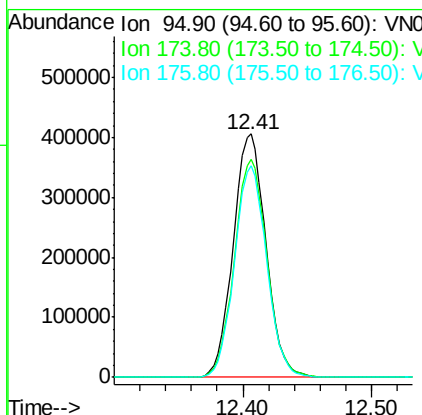
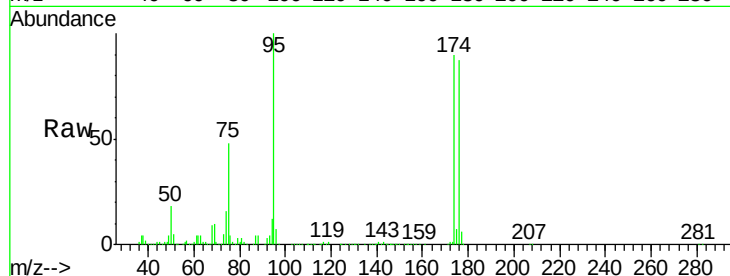




#62
4-Bromofluorobenzene
Concen: 37.10 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

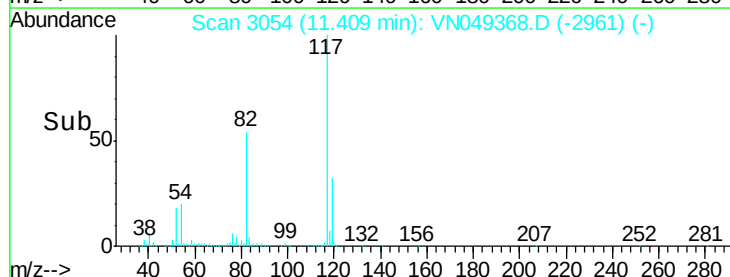
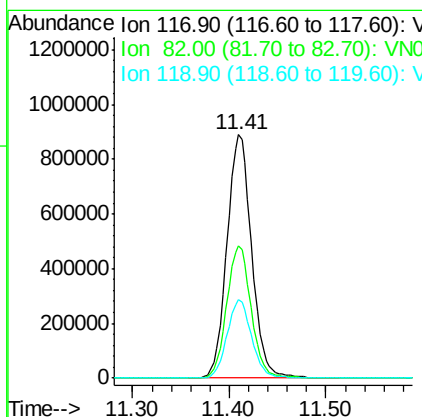
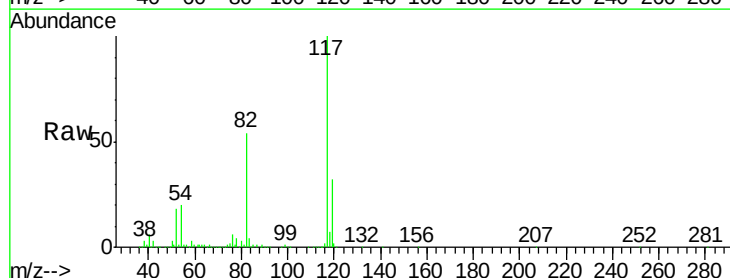
Instrument :
MSVOA_N
ClientSampled :

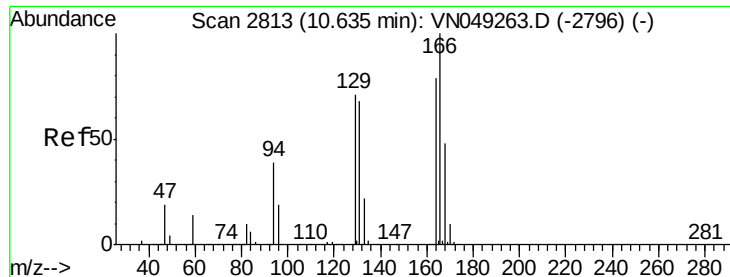
Tot Ion: 95 Resp: 714948
Ion Ratio Lower Upper
95 100
174 89.3 0.0 165.6
176 85.4 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion: 117 Resp: 1572564
Ion Ratio Lower Upper
117 100
82 54.2 45.9 68.9
119 32.0 25.5 38.3





#64

Tetrachloroethene

Concen: 0.31 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 4961

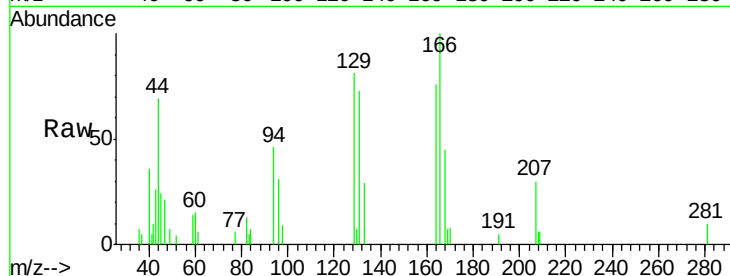
Ion Ratio Lower Upper

164 100

166 132.4 101.4 152.2

129 106.7 74.1 111.1

131 97.2 73.7 110.5

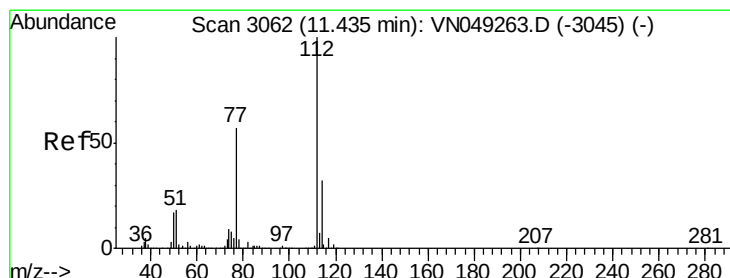
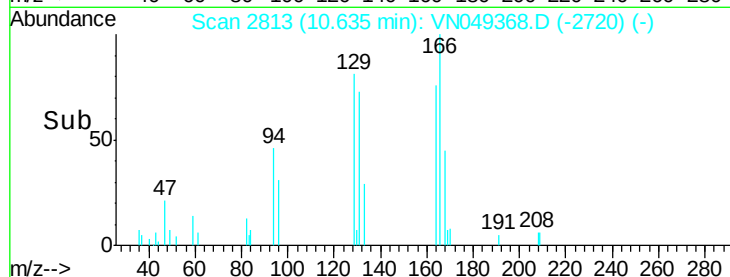
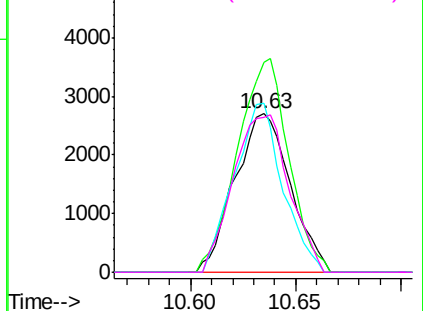


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.45 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049368.D

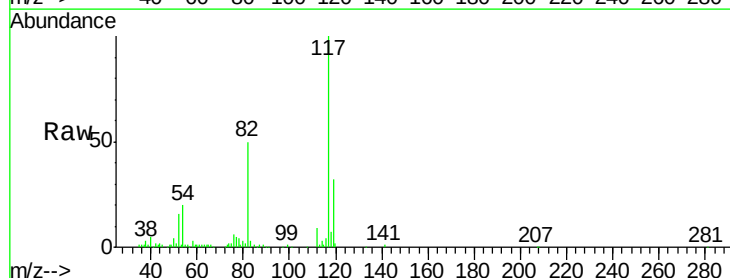
Acq: 19 Jun 2018 2:49

Tgt Ion:112 Resp: 18373

Ion Ratio Lower Upper

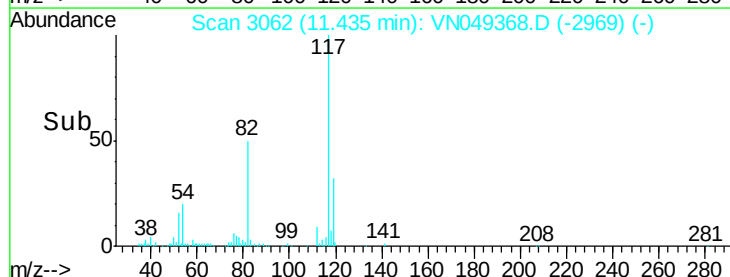
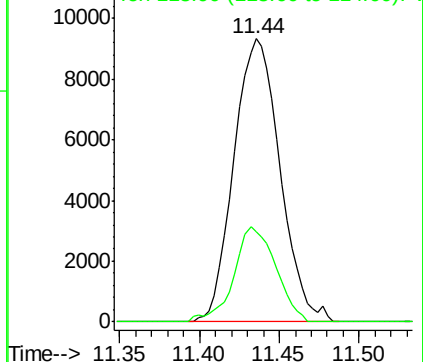
112 100

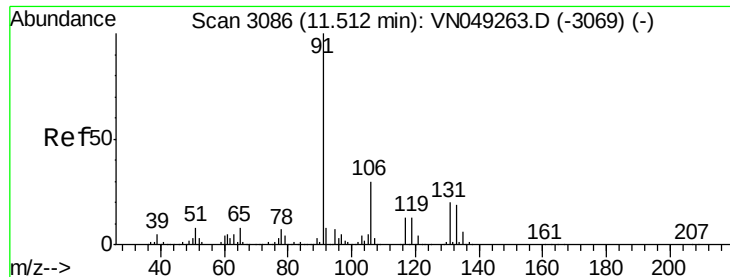
114 32.0 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

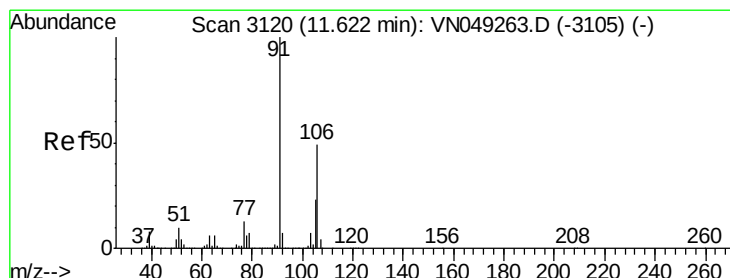
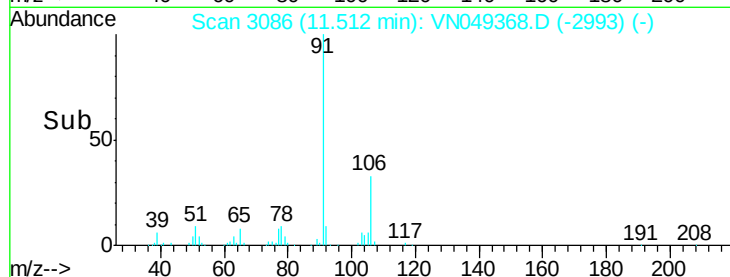
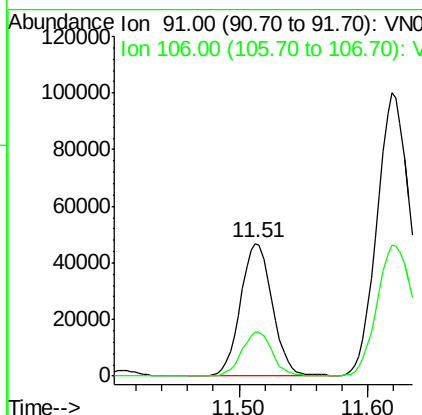
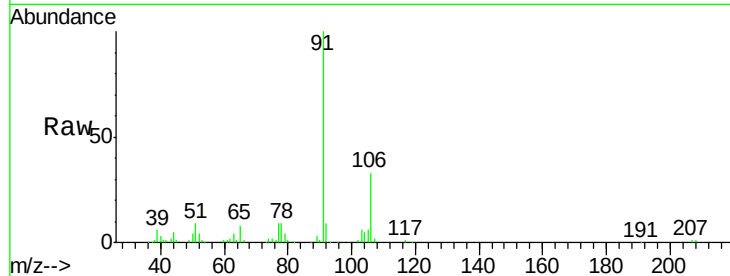




#67
Ethyl Benzene
Concen: 1.20 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

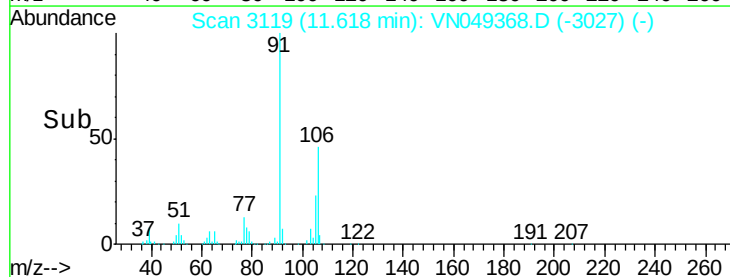
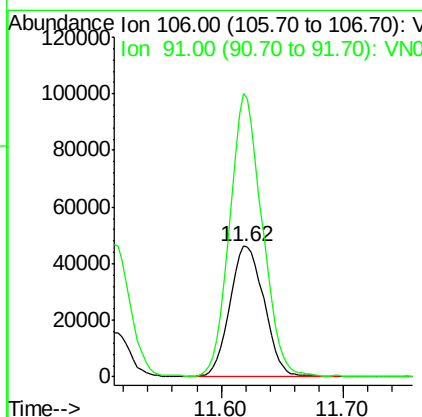
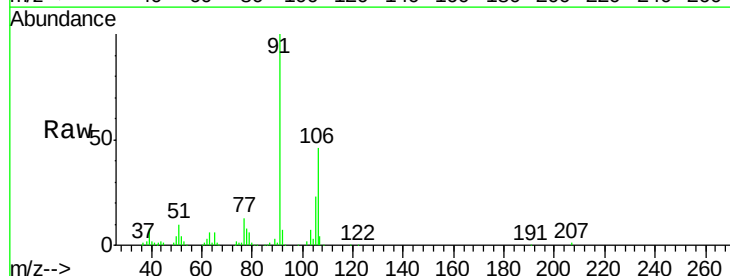
Instrument :
MSVOA_N
ClientSampled :

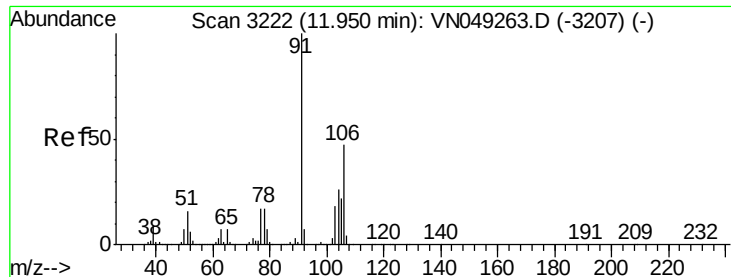
Tot Ion: 91 Resp: 80845
Ion Ratio Lower Upper
91 100
106 33.4 23.9 35.9



#68
m/p-Xylenes
Concen: 3.60 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion: 106 Resp: 90672
Ion Ratio Lower Upper
106 100
91 203.6 167.3 250.9

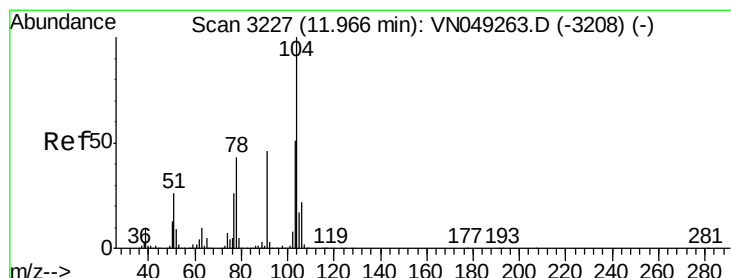
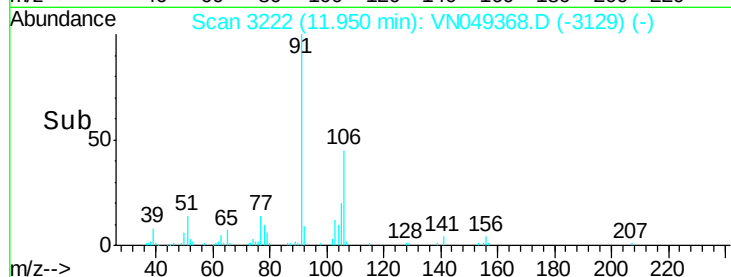
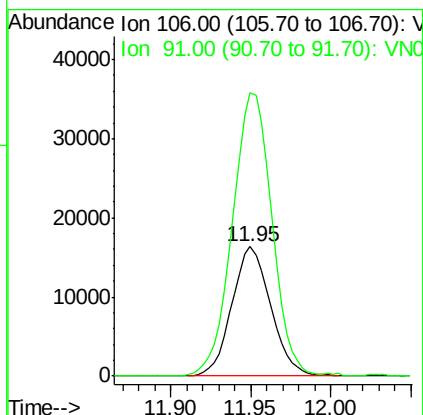
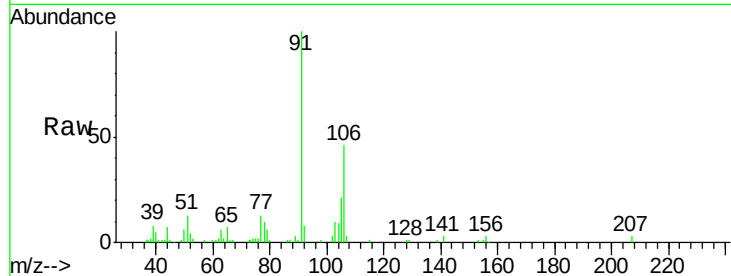




#69
o-Xylene
Concen: 1.11 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

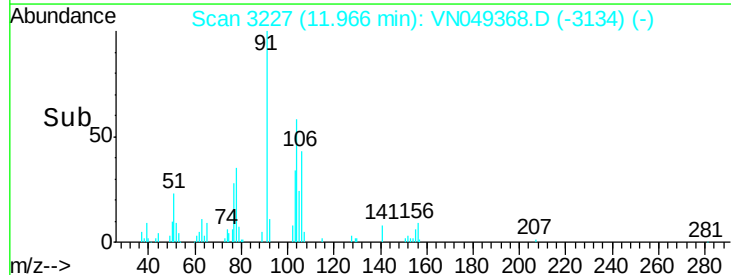
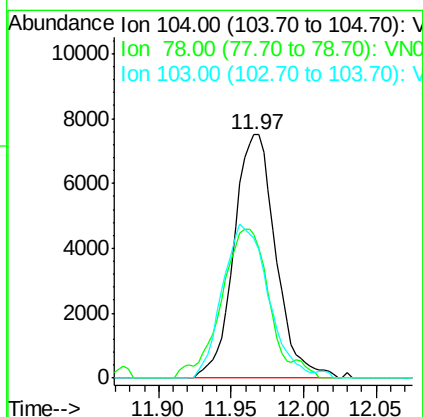
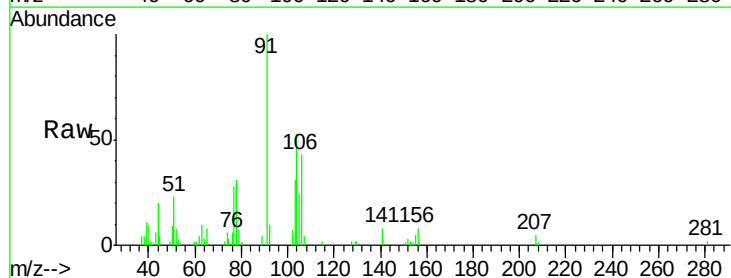
Instrument :
MSVOA_N
ClientSampled :

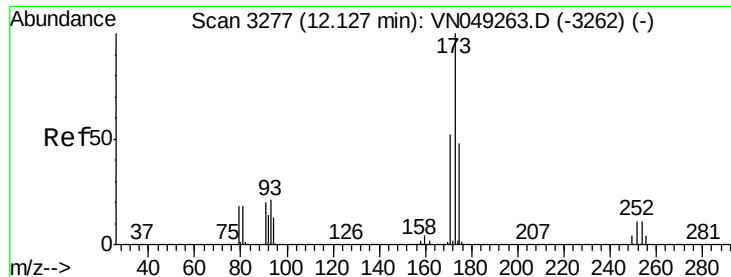
Tot Ion:106 Resp: 27019
Ion Ratio Lower Upper
106 100
91 222.1 111.0 333.0



#70
Styrene
Concen: 0.39 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion:104 Resp: 15075
Ion Ratio Lower Upper
104 100
78 70.3 41.6 62.4#
103 69.3 45.4 68.2#

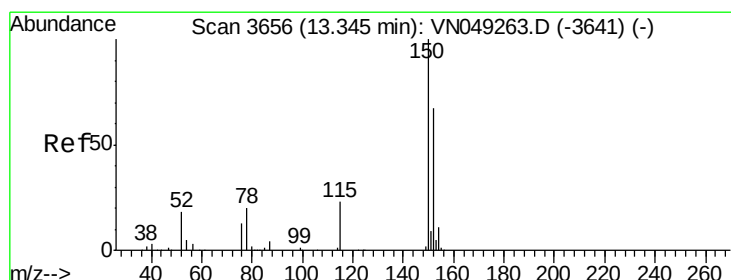
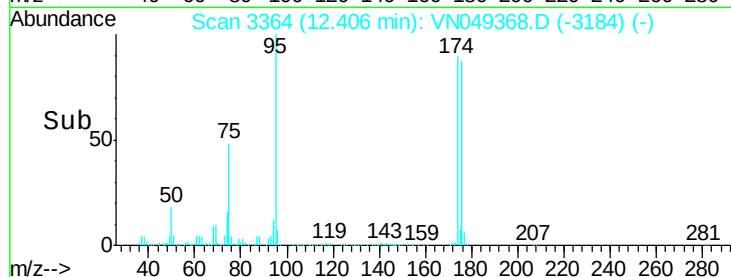
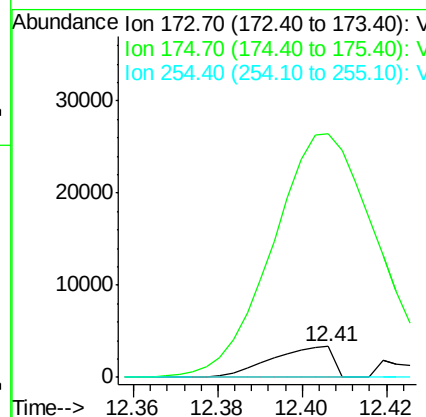
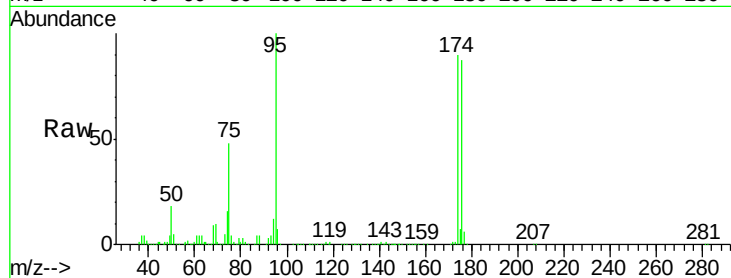




#71
Bromoform
Concen: 0.34 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

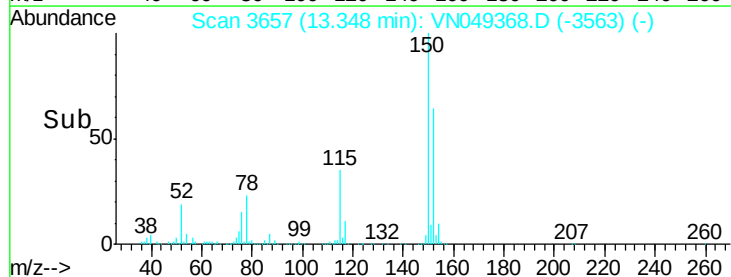
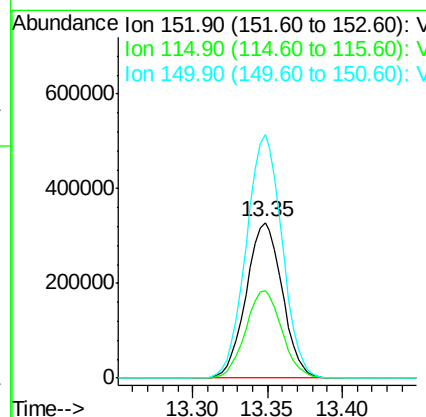
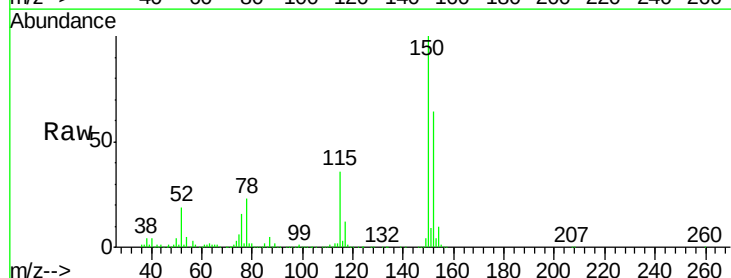
Instrument :
MSVOA_N
ClientSampleId :

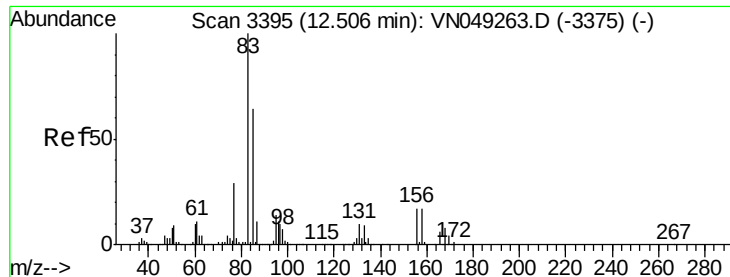
Tot Ion:173 Resp: 3360
Ion Ratio Lower Upper
173 100
175 1048.3 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049368.D
Acq: 19 Jun 2018 2:49

Tgt Ion:152 Resp: 550917
Ion Ratio Lower Upper
152 100
115 56.4 28.7 86.1
150 156.0 0.0 351.0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :

MSVOA_N

ClientSampled :

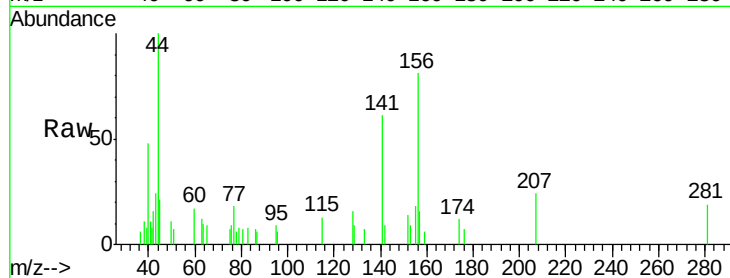
Tot Ion: 83 Resp: 107

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

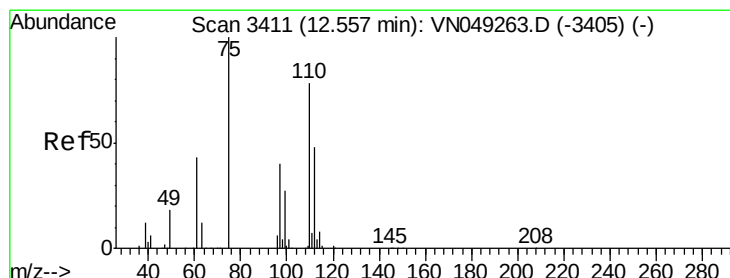
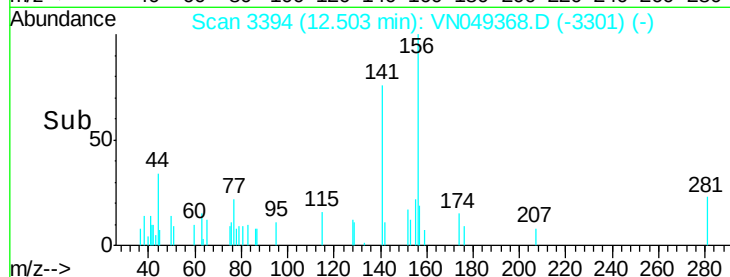
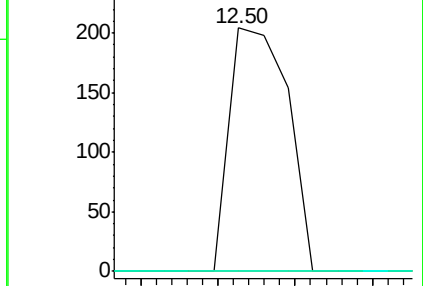
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN049263.D (-3375) (-)

Ion 130.80 (130.50 to 131.50): VN049263.D (-3375) (-)

Ion 84.90 (84.60 to 85.60): VN049263.D (-3375) (-)



#76

1,2,3-Trichloropropane

Concen: 36.75 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049368.D

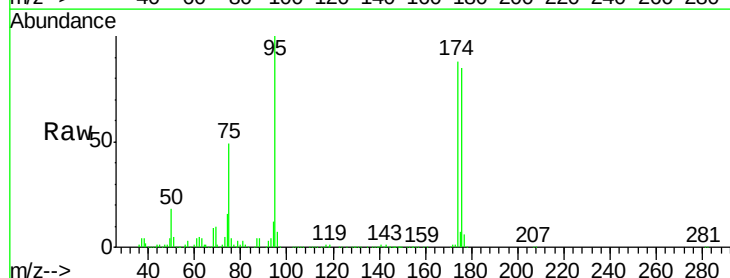
Acq: 19 Jun 2018 2:49

Tgt Ion: 75 Resp: 345465

Ion Ratio Lower Upper

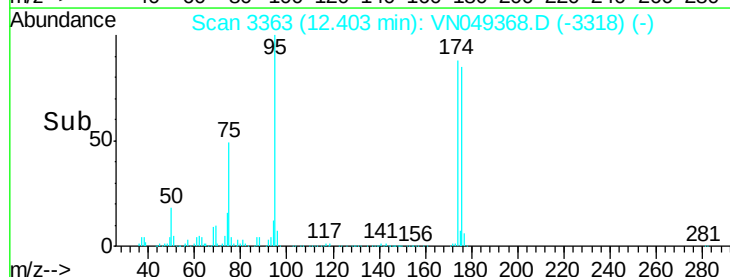
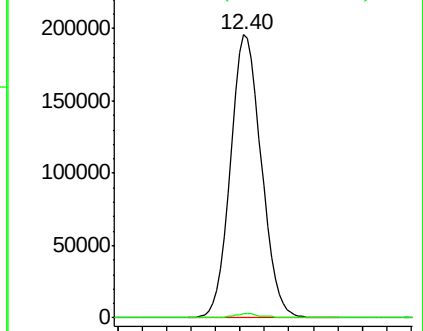
75 100

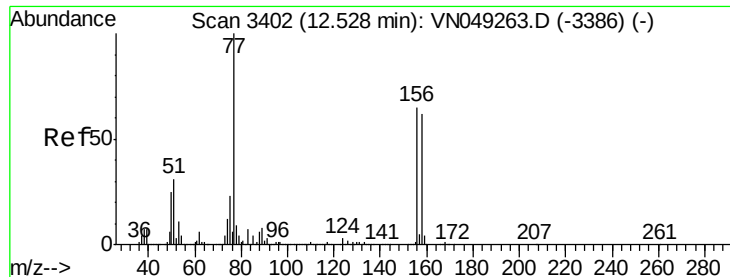
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049368.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049368.D (-3318) (-)





#77

Bromobenzene

Concen: 1.41 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.04 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :

MSVOA_N

ClientSampleId :

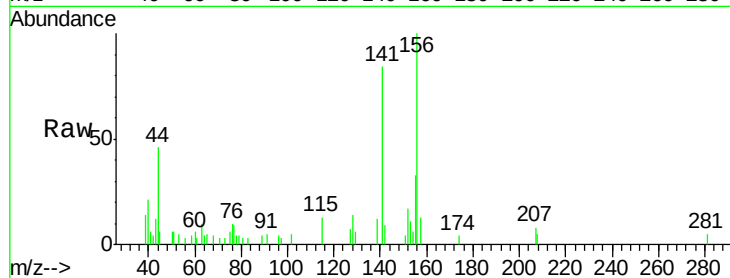
Tot Ion:156 Resp: 18047

Ion Ratio Lower Upper

156 100

77 2.7 100.8 302.4#

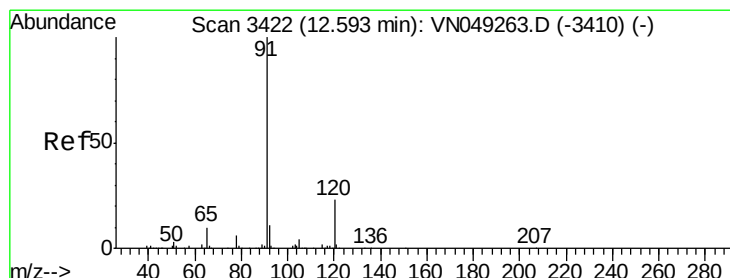
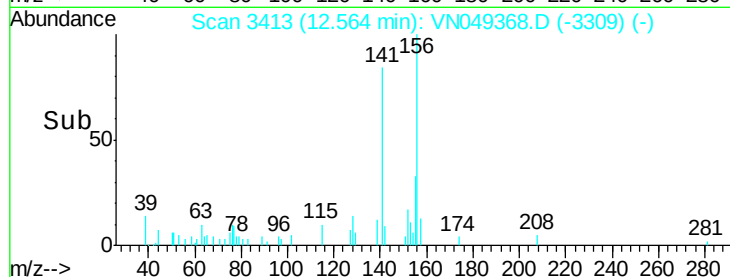
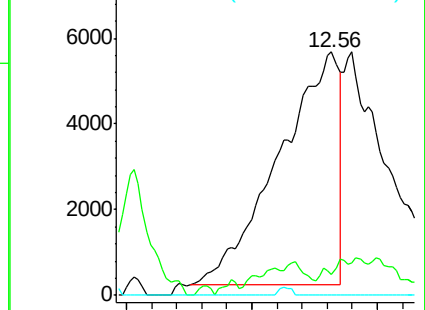
158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.30 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049368.D

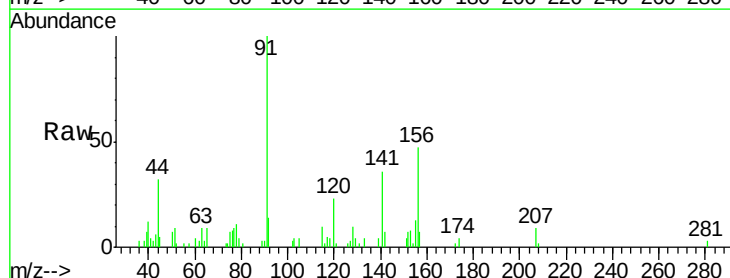
Acq: 19 Jun 2018 2:49

Tgt Ion: 91 Resp: 15890

Ion Ratio Lower Upper

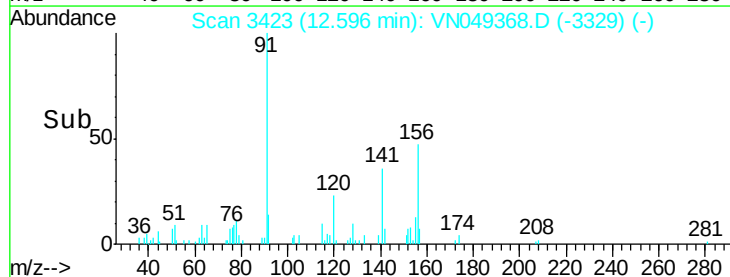
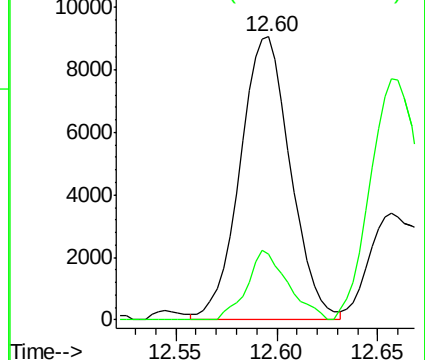
91 100

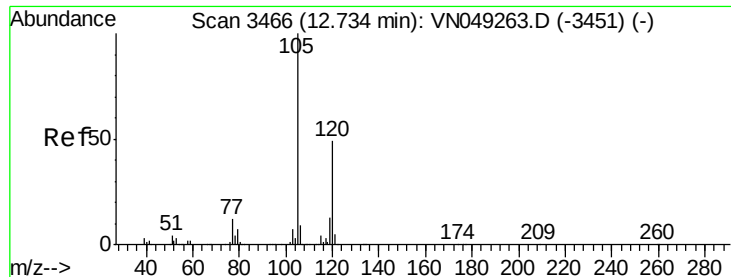
120 19.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.71 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :

MSVOA_N

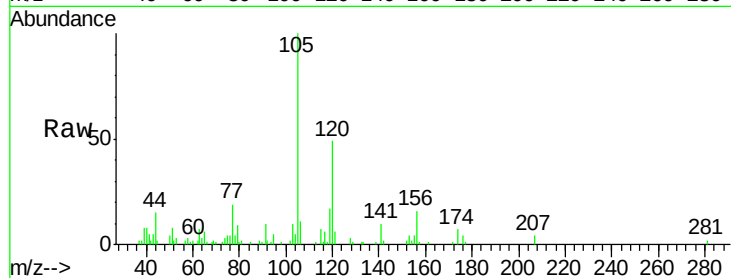
ClientSampleId :

Tot Ion:105 Resp: 27098

Ion Ratio Lower Upper

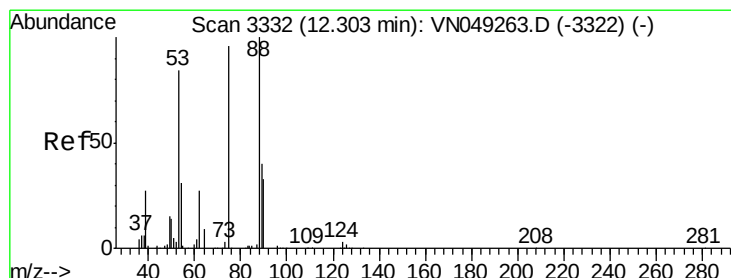
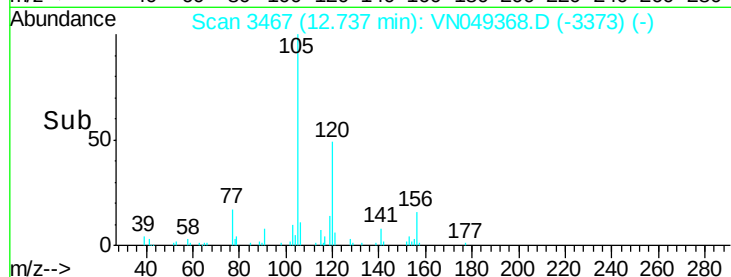
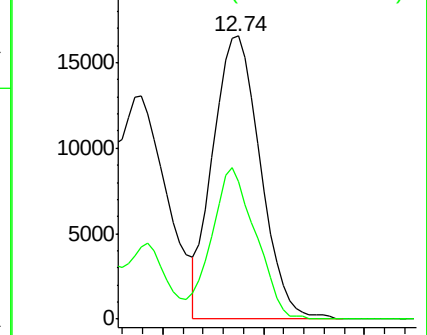
105 100

120 49.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 116.15 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

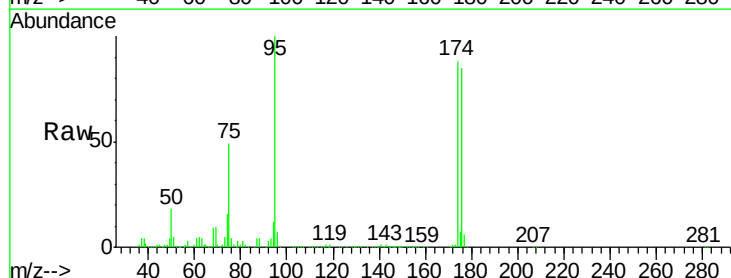
Tgt Ion: 75 Resp: 345465

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

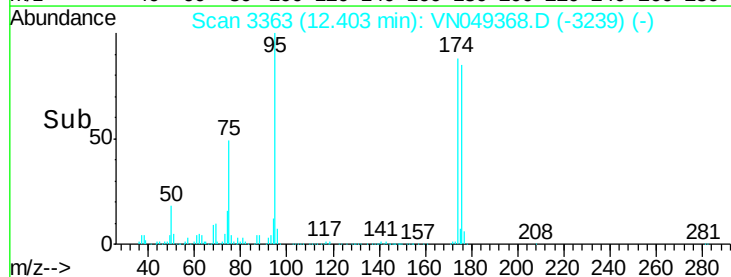
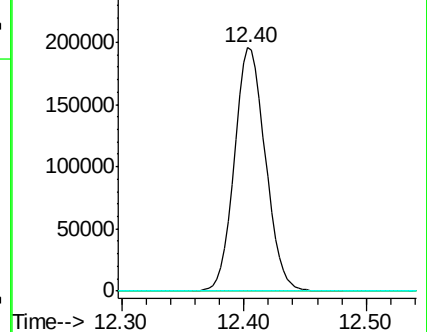
89 0.0 36.5 54.7#

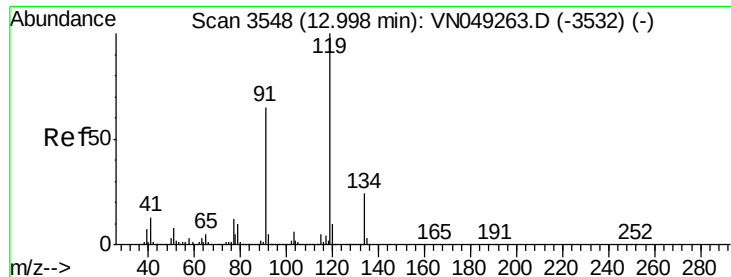


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#83

tert-Butylbenzene

Concen: 0.36 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.04 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :

MSVOA_N

ClientSampleId :

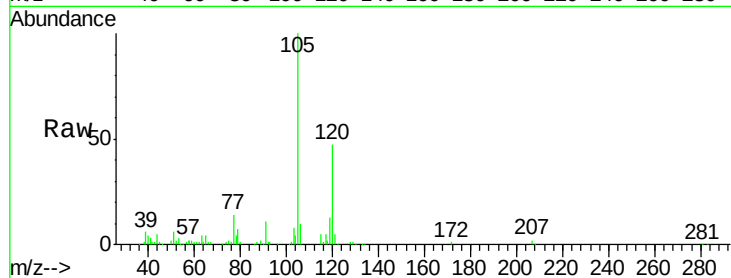
Tot Ion:119 Resp: 12014

Ion Ratio Lower Upper

119 100

91 82.0 33.7 101.0

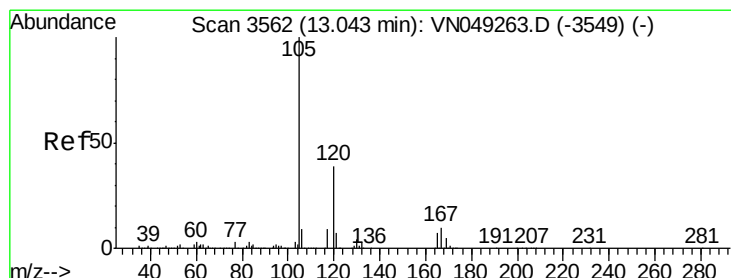
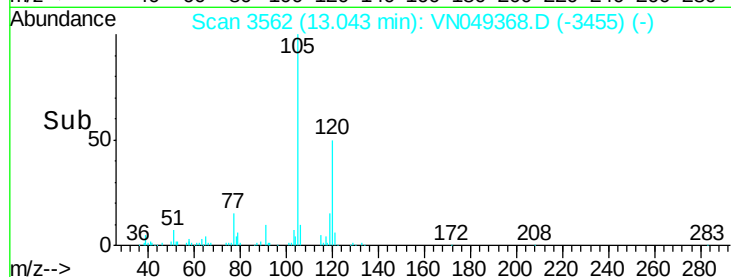
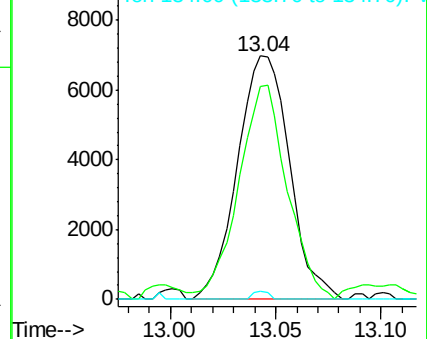
134 1.0 12.9 38.6#



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: 2.35 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN049368.D

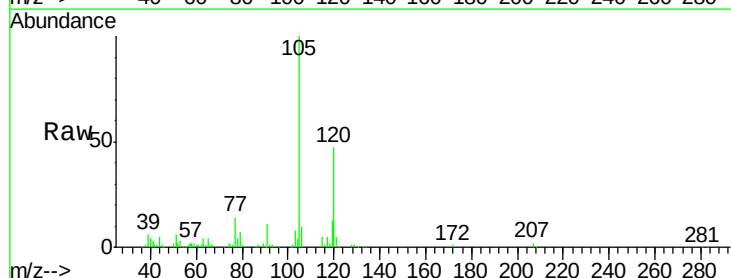
Acq: 19 Jun 2018 2:49

Tgt Ion:105 Resp: 88772

Ion Ratio Lower Upper

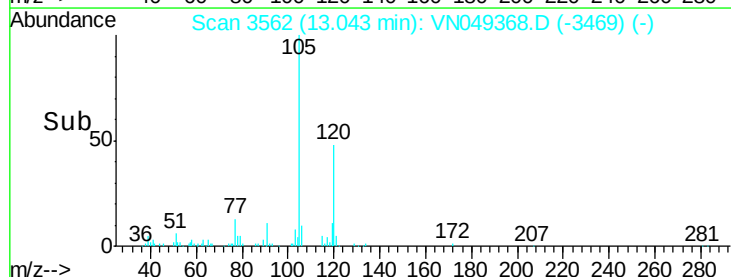
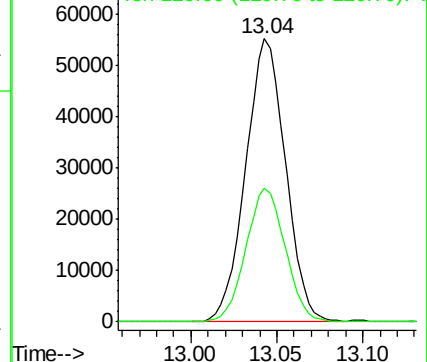
105 100

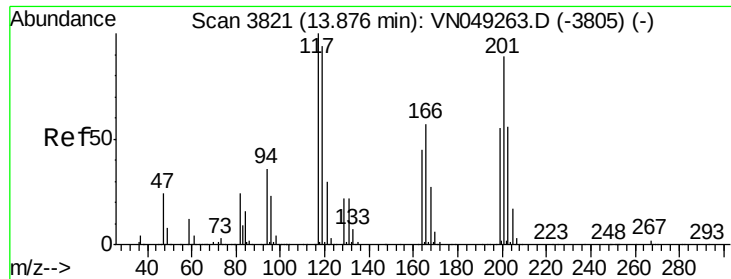
120 46.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :

MSVOA_N

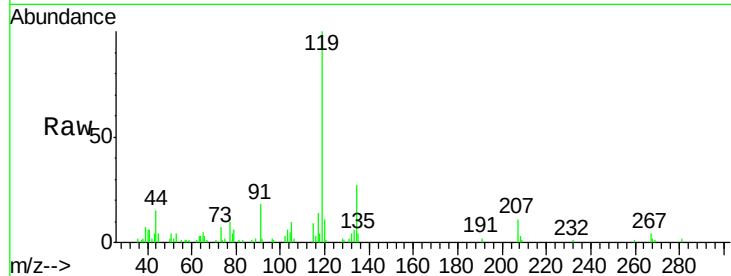
ClientSampled :

Tot Ion:117 Resp: 3228

Ion Ratio Lower Upper

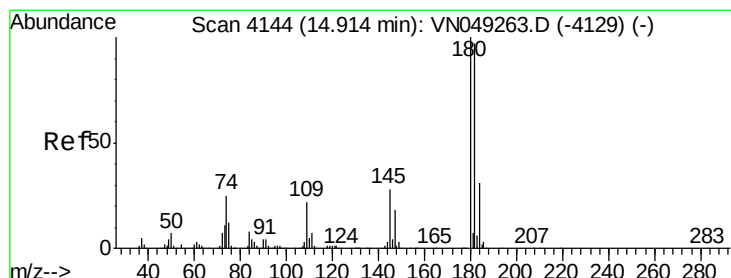
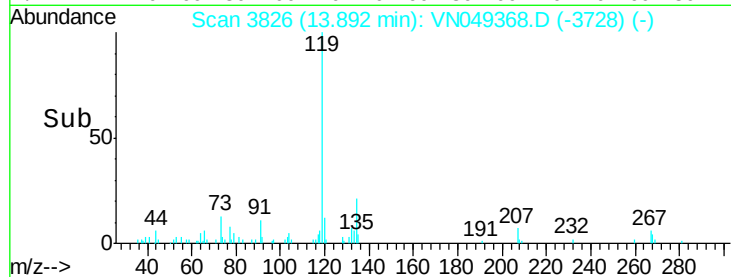
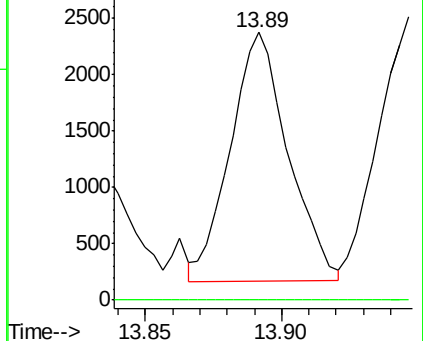
117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 4.81 ug/l

RT: 14.90 min Scan# 4141

Delta R.T. -0.01 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

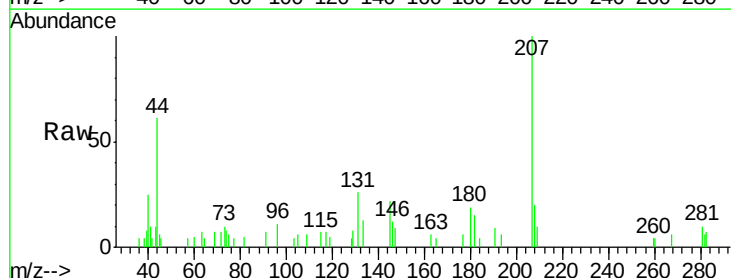
Tgt Ion:180 Resp: 724

Ion Ratio Lower Upper

180 100

182 186.6 46.9 140.8#

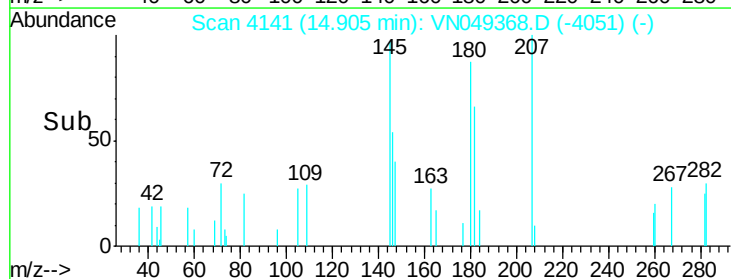
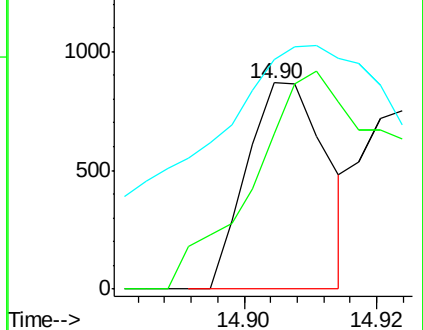
145 357.2 14.7 44.1#

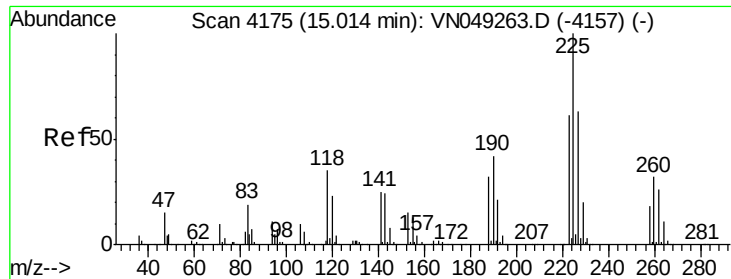


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4173

Delta R.T. -0.01 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

Instrument :

MSVOA_N

ClientSampled :

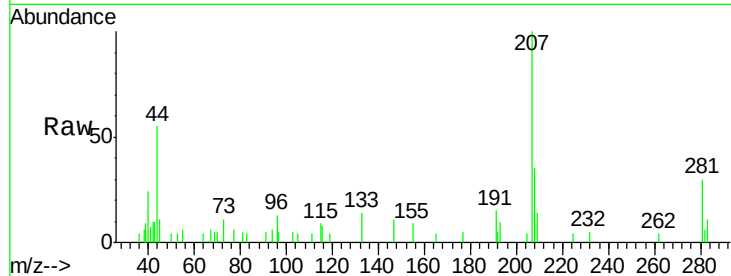
Tot Ion:225 Resp: 68

Ion Ratio Lower Upper

225 100

223 0.0 32.1 96.3#

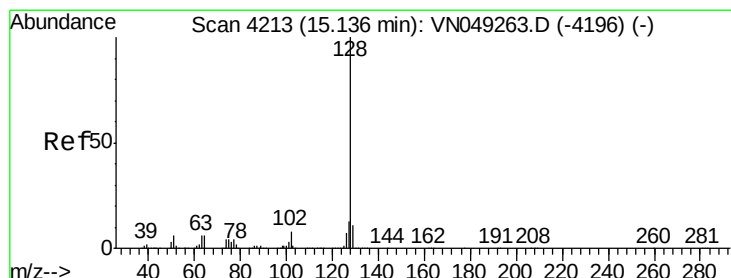
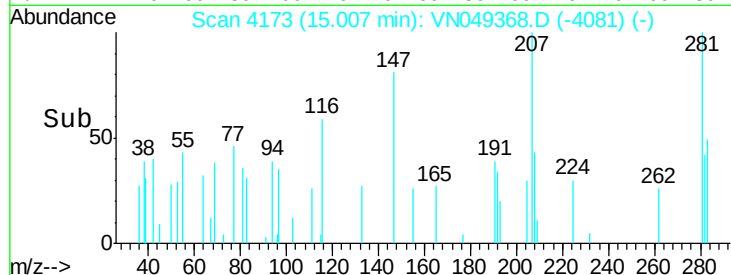
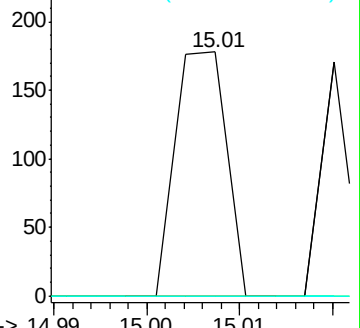
227 0.0 31.8 95.3#



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: 18.67 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049368.D

Acq: 19 Jun 2018 2:49

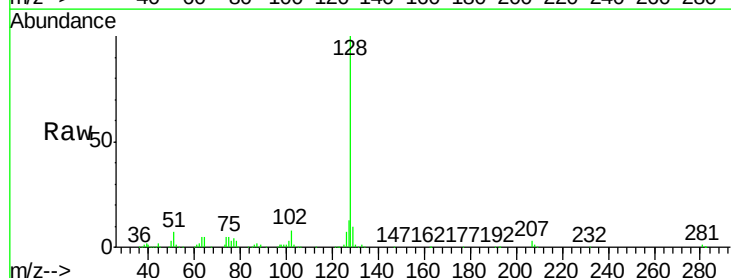
Tgt Ion:128 Resp: 265883

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

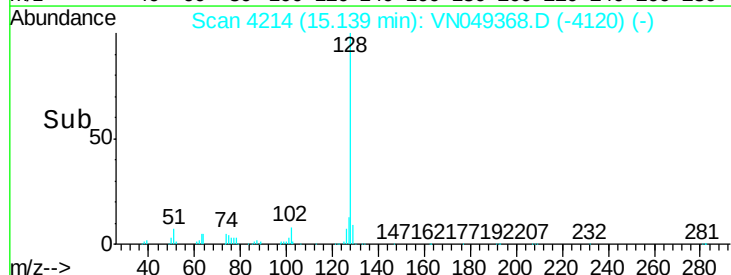
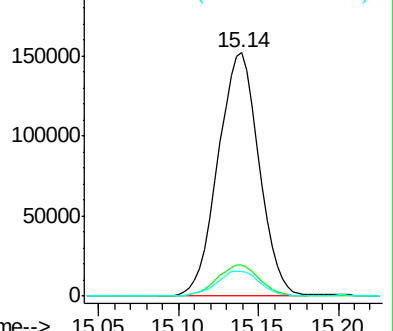
129 10.8 8.5 12.7

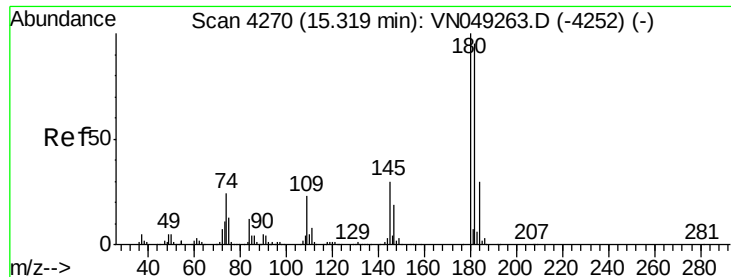


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.52 ua/l
 RT: 15.33 min Scan# 4273
 Delta R.T. 0.01 min
 Lab File: VN049368.D
 Acq: 19 Jun 2018 2:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	138.8	47.3	141.8
145	14.9	15.6	46.7#

