

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054866.D
 Acq On : 1 Apr 2019 11:33
 Operator : JC/SP
 Sample : VN0401WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL01

Quant Time: Apr 02 04:20:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	490502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	798809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	712192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	275224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	327361	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
35) Dibromofluoromethane	7.59	113	254501	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	10.09	98	987848	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	318448	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

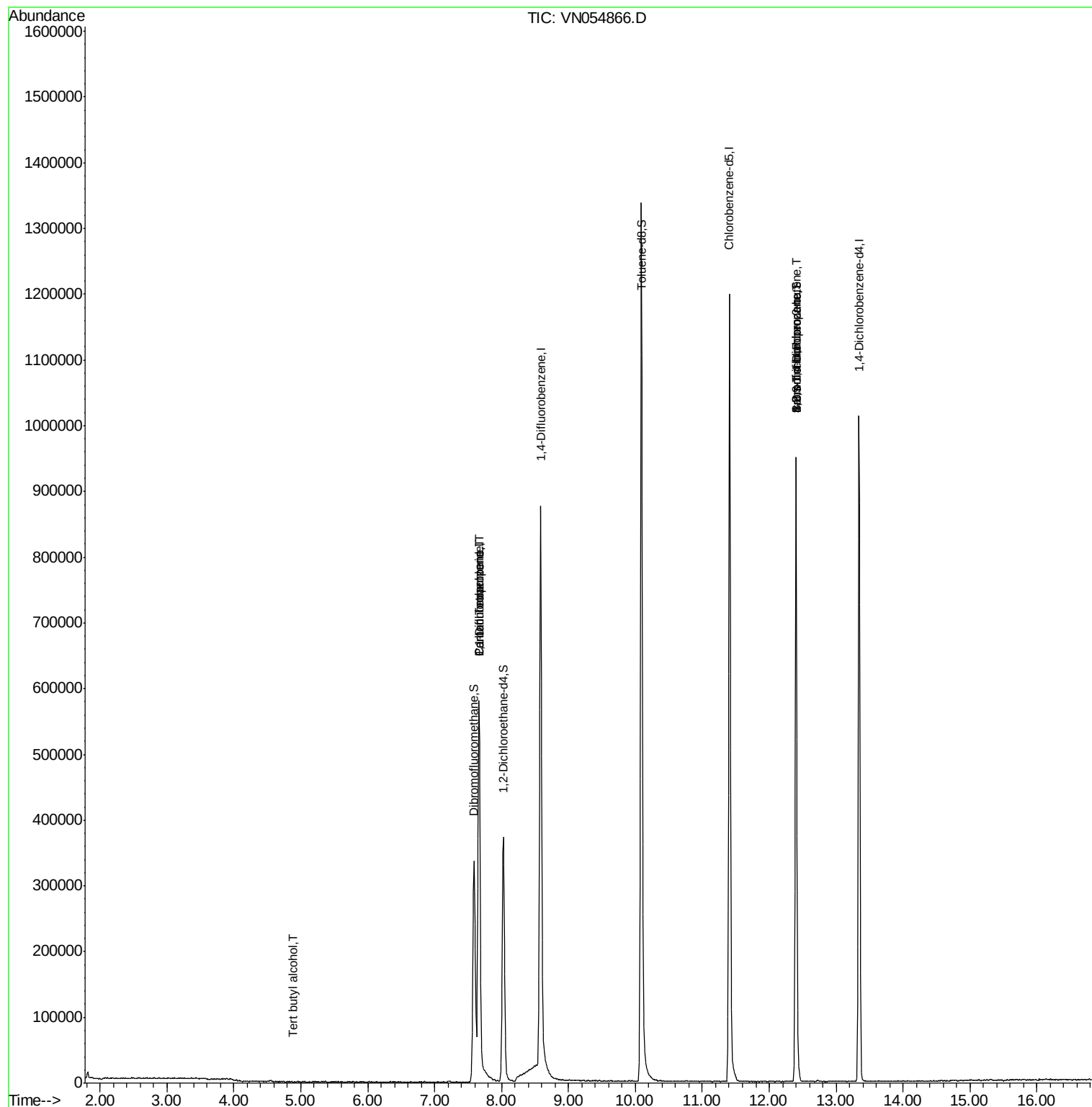
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	377	Below Cal	#	74
11) Tert butyl alcohol	4.88	59	93	0.270	ug/l #	70
18) Methyl Acetate	4.34	43	293	Below Cal		93
31) Cyclohexane	7.66	56	10243	Below Cal	#	19
36) 1,1-Dichloropropene	7.66	75	37008	4.972	ug/l #	48
38) Carbon Tetrachloride	7.66	117	47308	6.544	ug/l #	17
71) Bromoform	12.40	173	3742	1.224	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	63	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	165216	34.555	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	165216	134.409	ug/l #	11
83) tert-Butylbenzene	13.00	119	32	Below Cal	#	1

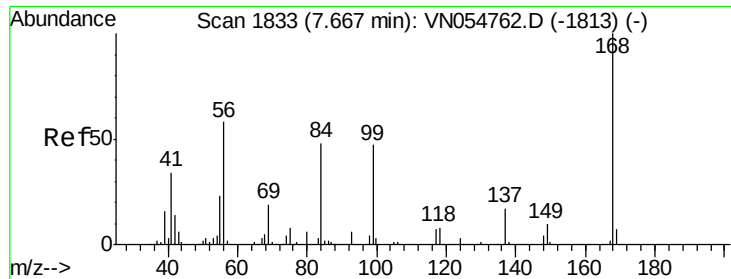
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054866.D

Acq: 1 Apr 2019 11:33

Instrument :

MSVOA_N

ClientSampled :

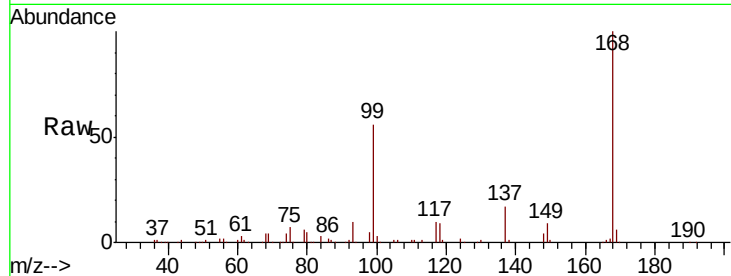
VN0401WBL01

Tot Ion:168 Resp: 490502

Ion Ratio Lower Upper

168 100

99 56.1 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

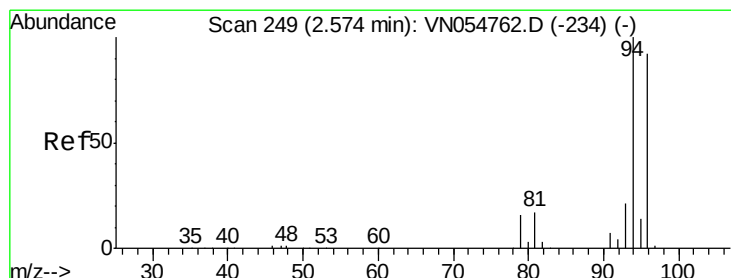
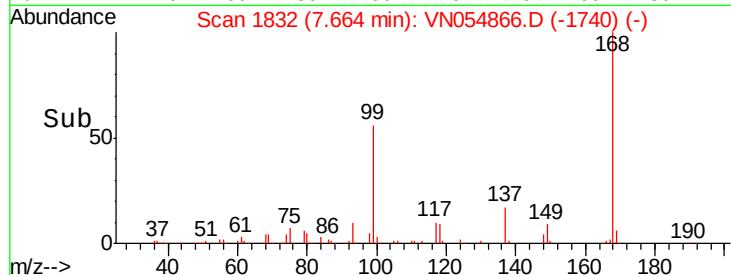
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054866.D

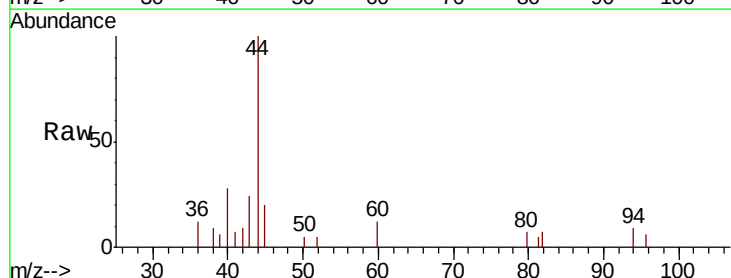
Acq: 1 Apr 2019 11:33

Tgt Ion: 94 Resp: 377

Ion Ratio Lower Upper

94 100

96 70.9 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

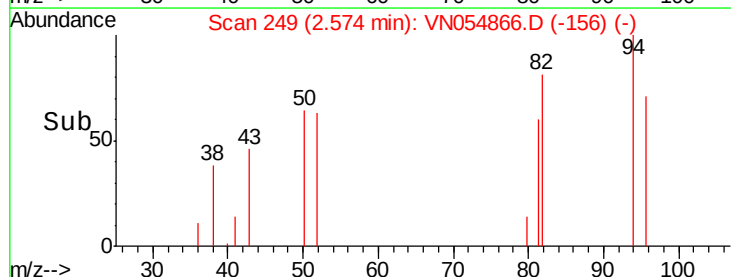
300

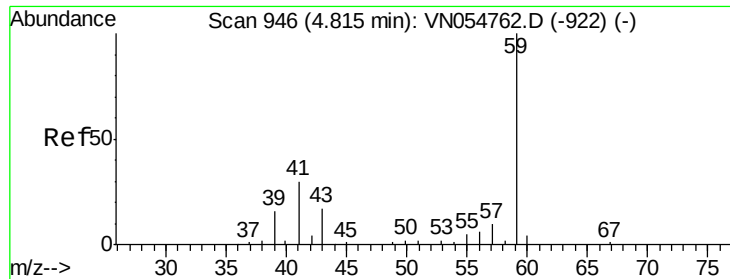
200

100

0

Time-->

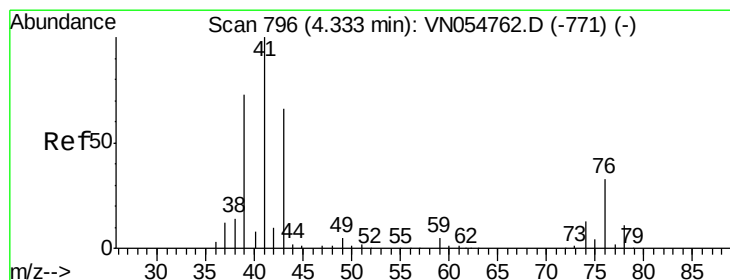
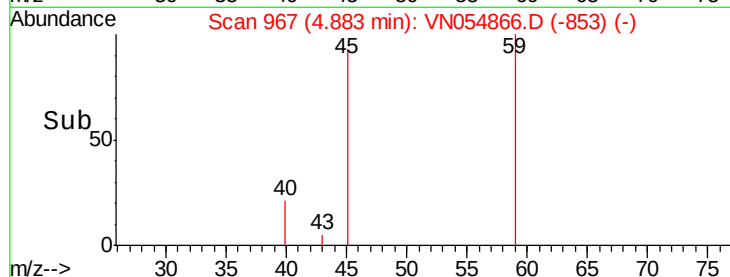
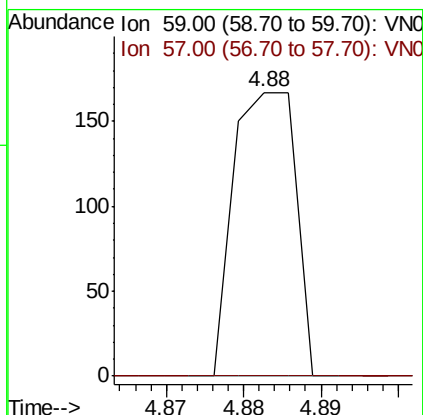
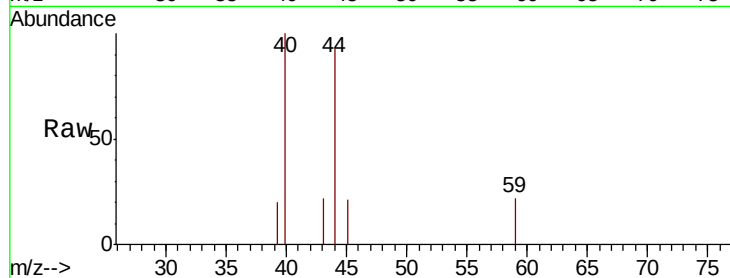




#11
Tert butyl alcohol
Concen: 0.270 ug/l
RT: 4.88 min Scan# 967
Delta R.T. 0.07 min
Lab File: VN054866.D
Acq: 1 Apr 2019 11:33

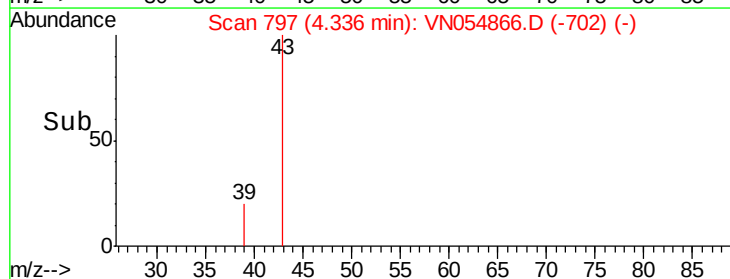
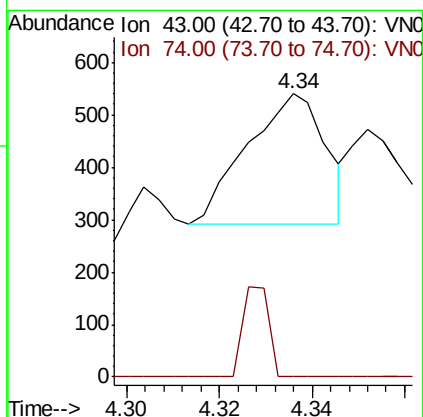
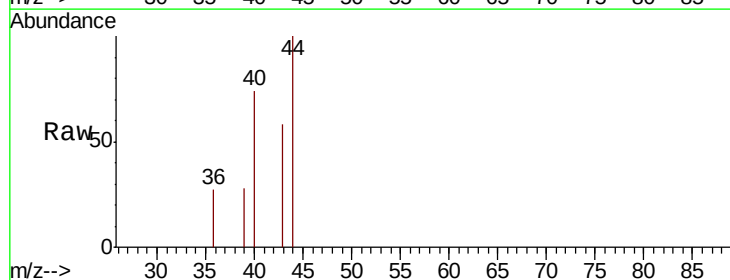
Instrument :
MSVOA_N
ClientSampled :
VN0401WBL01

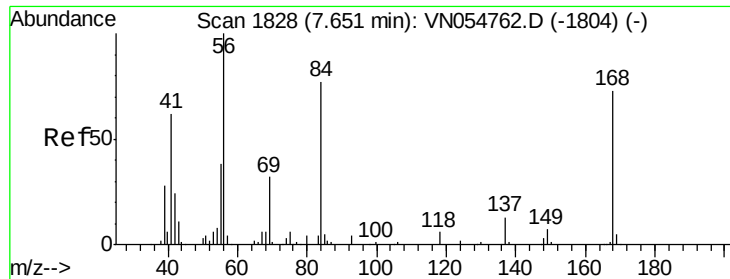
Tot Ion: 59 Resp: 93
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 797
Delta R.T. 0.00 min
Lab File: VN054866.D
Acq: 1 Apr 2019 11:33

Tgt Ion: 43 Resp: 293
Ion Ratio Lower Upper
43 100
74 22.5 20.8 31.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054866.D

Acq: 1 Apr 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL01

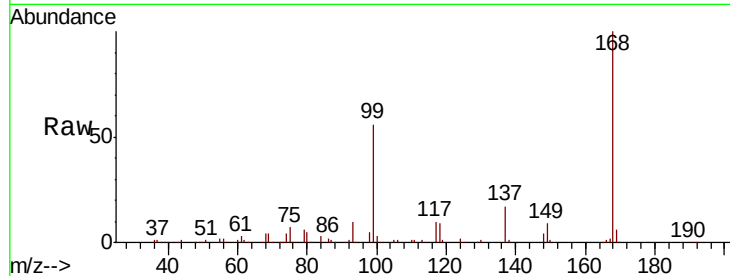
Tot Ion: 56 Resp: 10243

Ion Ratio Lower Upper

56 100

69 160.2 27.8 41.6#

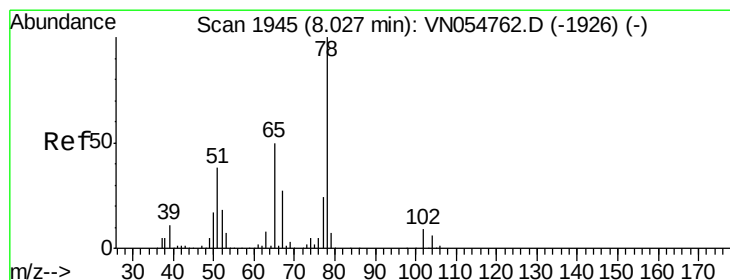
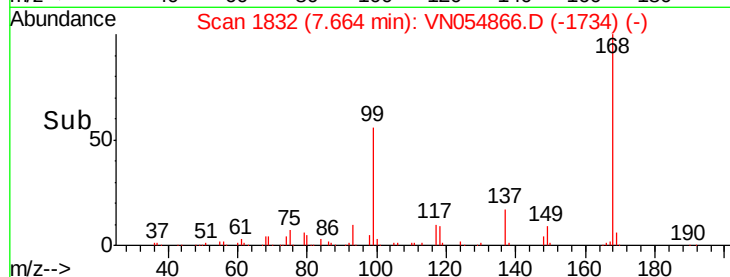
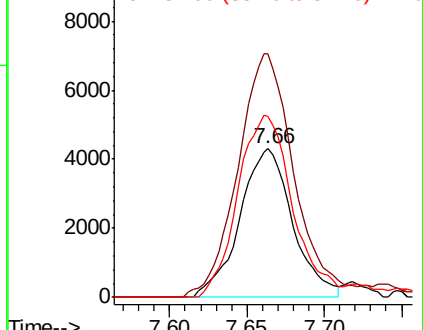
84 122.1 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.509 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054866.D

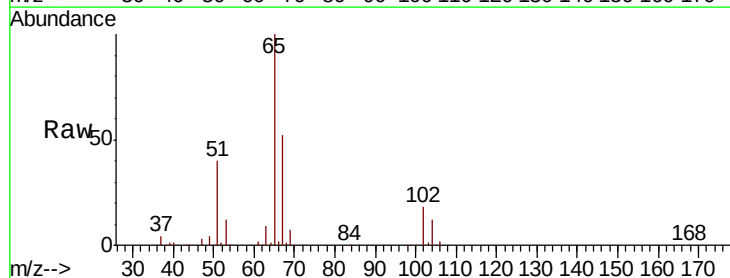
Acq: 1 Apr 2019 11:33

Tgt Ion: 65 Resp: 327361

Ion Ratio Lower Upper

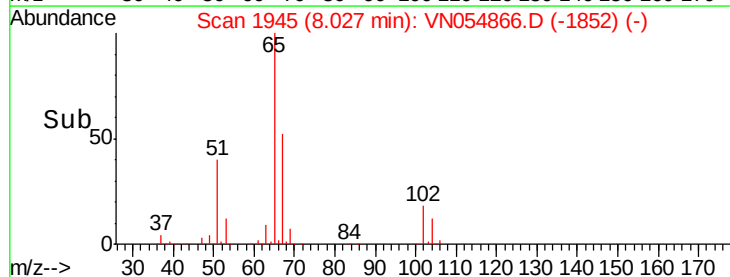
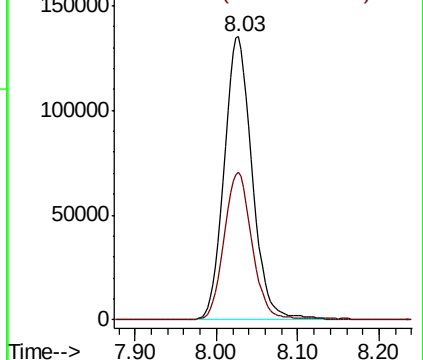
65 100

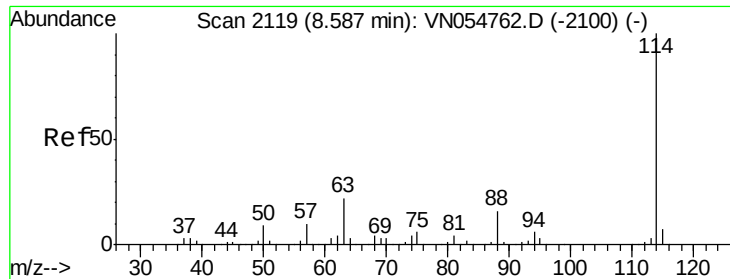
67 52.4 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054866.D

Acq: 1 Apr 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL01

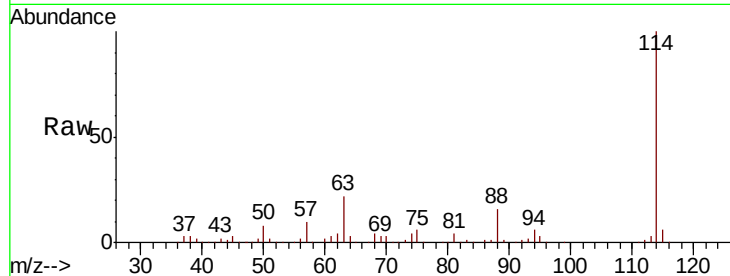
Tot Ion:114 Resp: 798809

Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.2

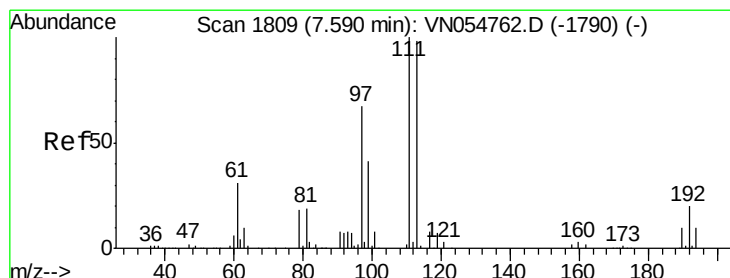
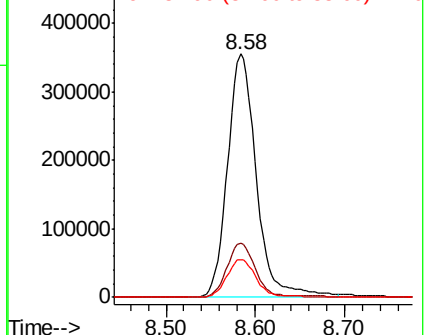
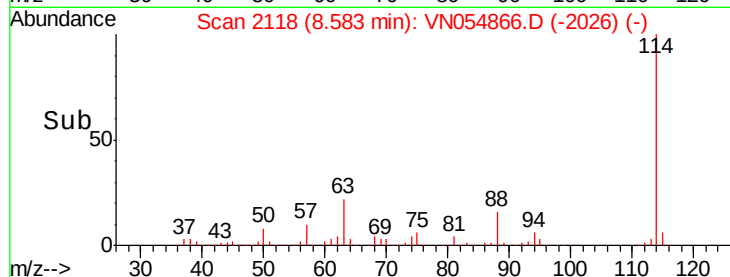
88 15.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.788 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054866.D

Acq: 1 Apr 2019 11:33

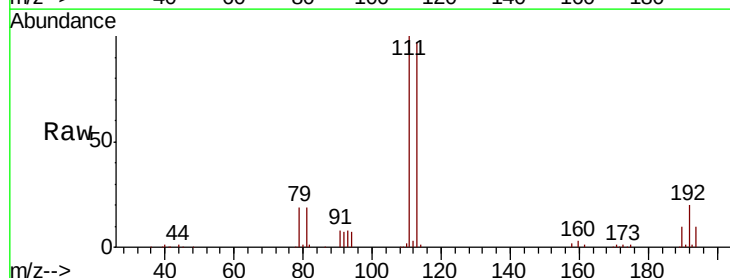
Tgt Ion:113 Resp: 254501

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

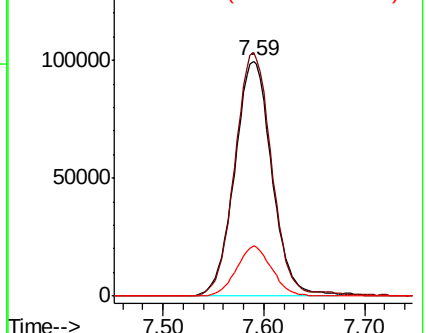
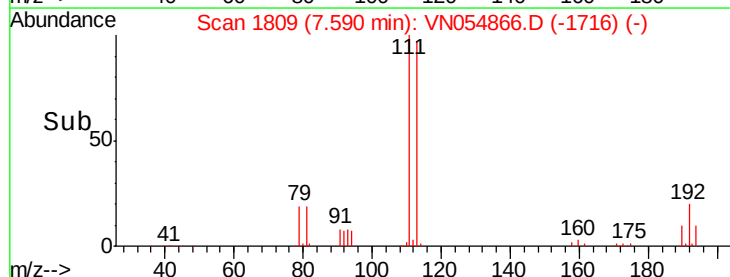
192 20.3 19.2 28.8

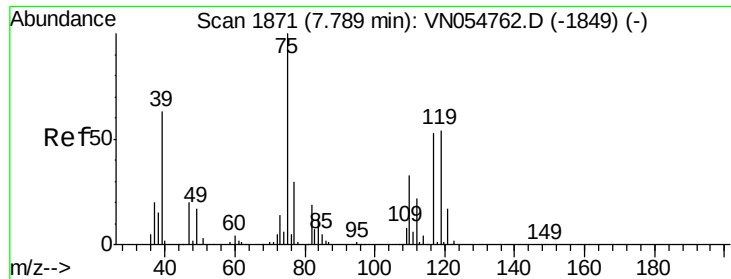


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

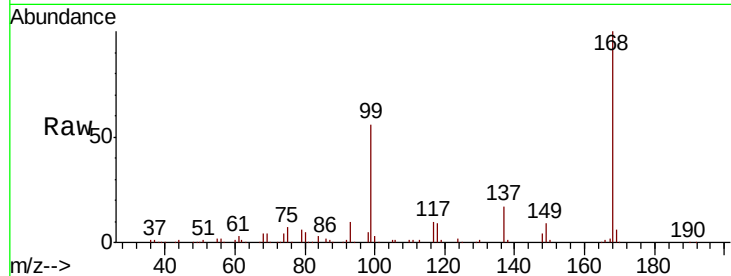




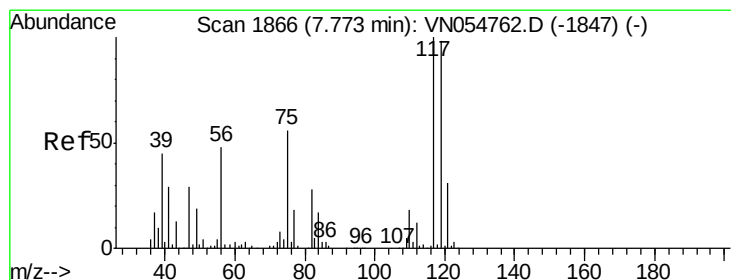
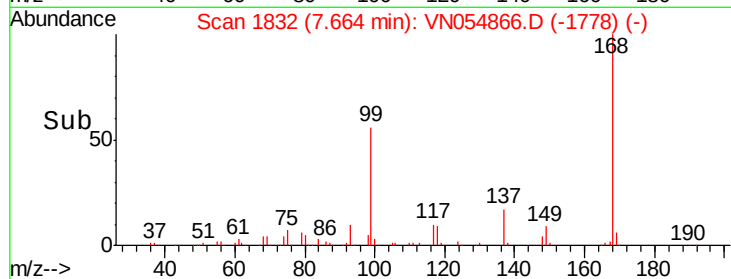
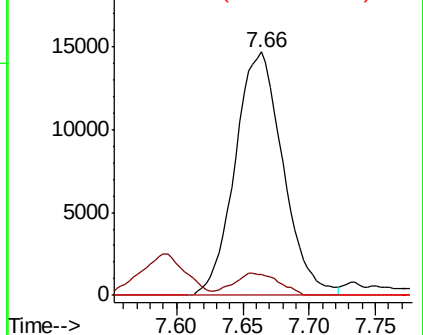
#36
 1,1-Dichloropropene
 Concen: 4.972 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054866.D
 Acq: 1 Apr 2019 11:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.1	57.5#
77	0.0	25.0	37.4#

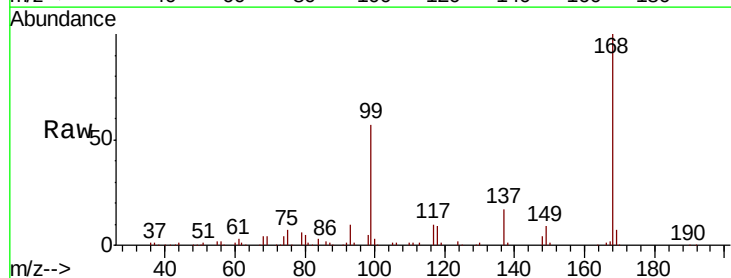


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

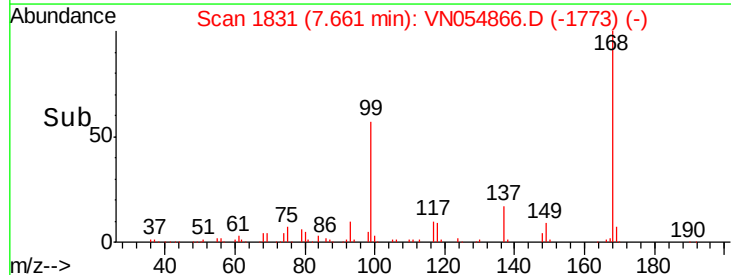
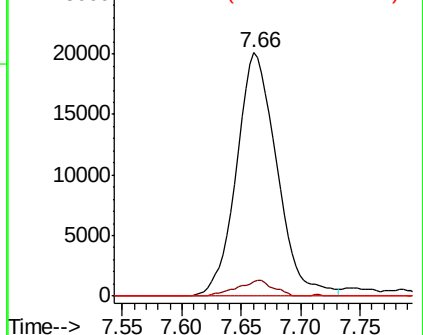


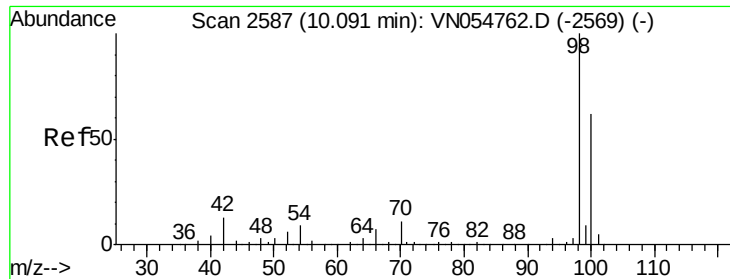
#38
 Carbon Tetrachloride
 Concen: 6.544 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN054866.D
 Acq: 1 Apr 2019 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.3	114.5#
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

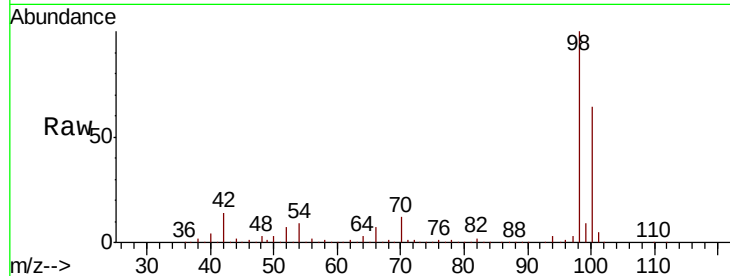




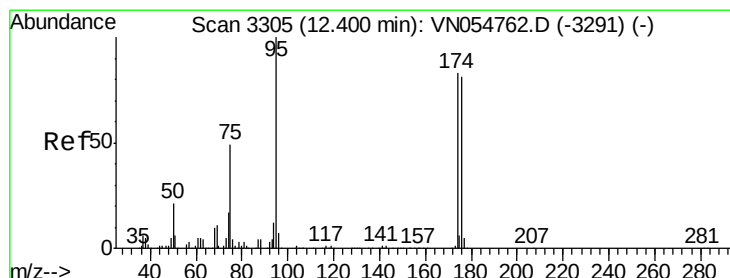
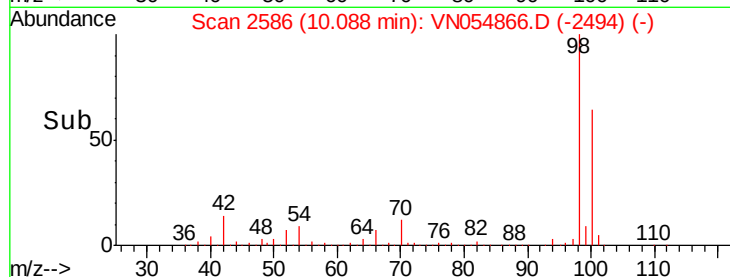
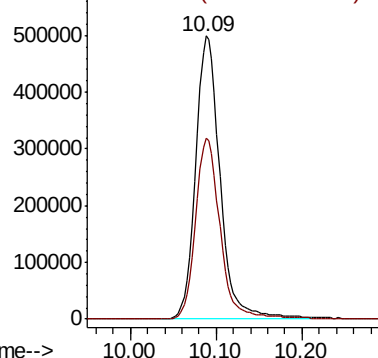
#50
Toluene-d8
Concen: 49.893 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054866.D
Acq: 1 Apr 2019 11:33

Instrument :
MSVOA_N
ClientSampled :
VN0401WBL01

Tot Ion: 98 Resp: 987848
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8

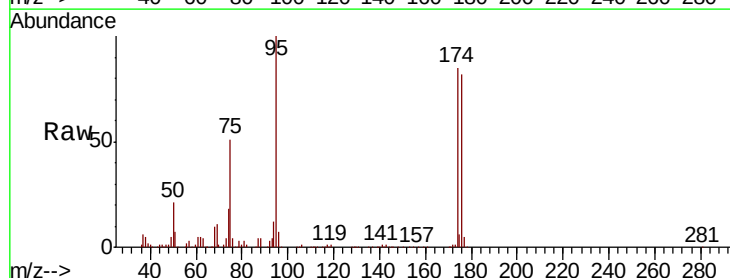


Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN

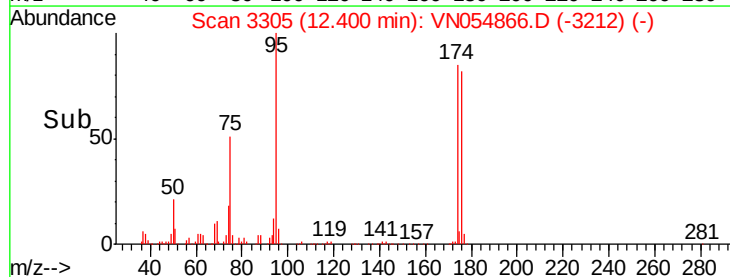
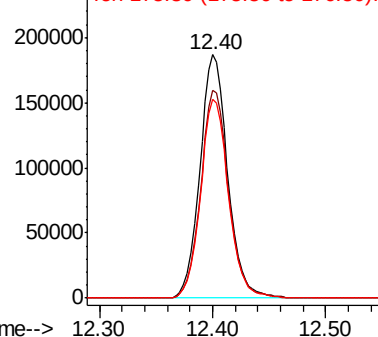


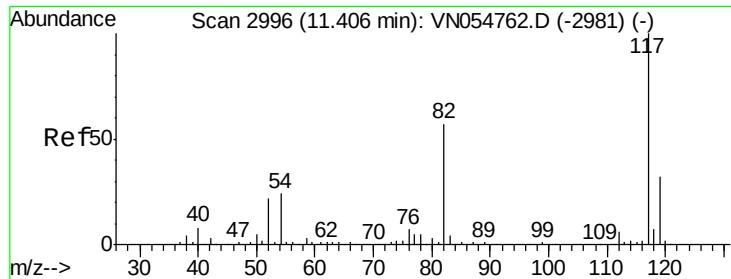
#62
4-Bromofluorobenzene
Concen: 48.361 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054866.D
Acq: 1 Apr 2019 11:33

Tgt Ion: 95 Resp: 318448
Ion Ratio Lower Upper
95 100
174 85.8 0.0 191.0
176 82.3 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

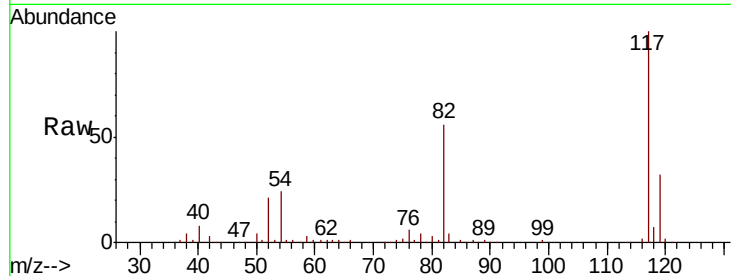




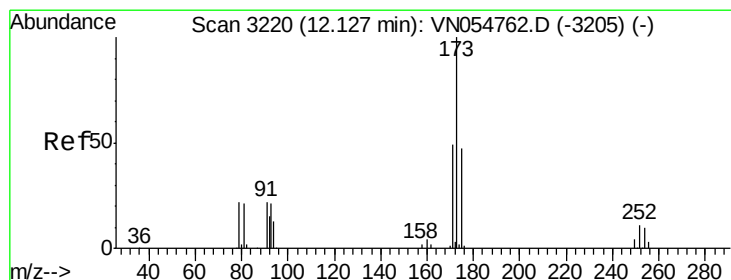
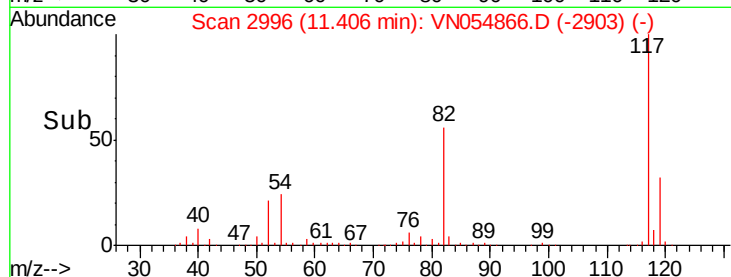
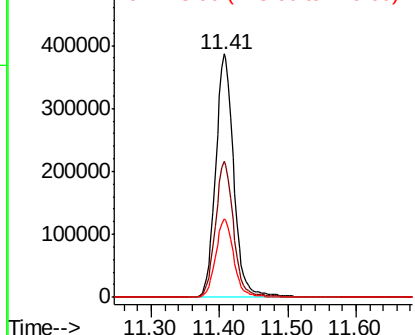
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054866.D
Acq: 1 Apr 2019 11:33

Instrument :
MSVOA_N
ClientSampled :
VN0401WBL01

Tot Ion:117 Resp: 712192
Ion Ratio Lower Upper
117 100
82 56.1 40.0 60.0
119 32.2 25.8 38.6

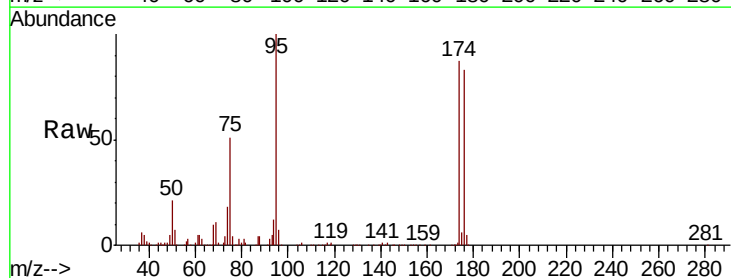


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

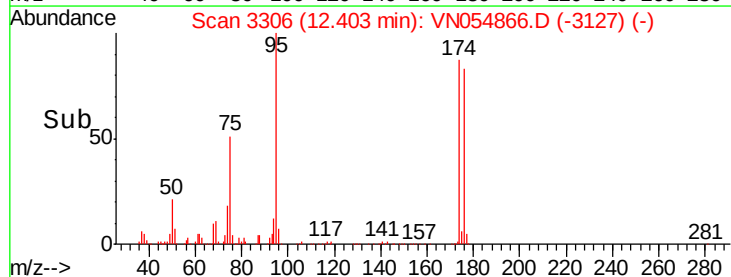
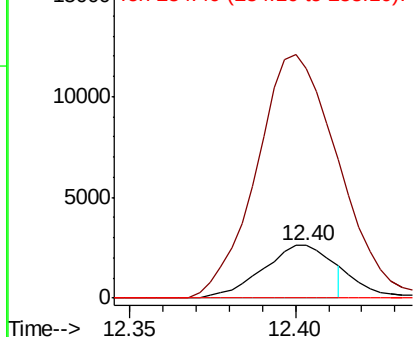


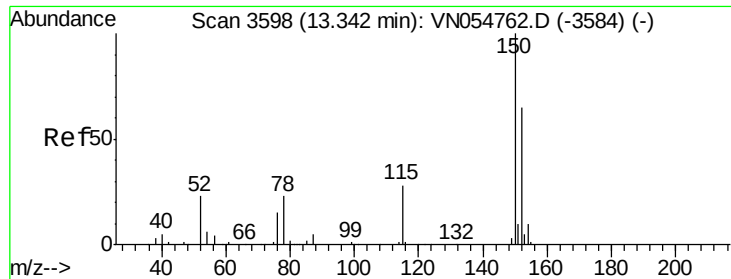
#71
Bromoform
Concen: 1.224 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054866.D
Acq: 1 Apr 2019 11:33

Tgt Ion:173 Resp: 3742
Ion Ratio Lower Upper
173 100
175 484.2 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054866.D

Acq: 1 Apr 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL01

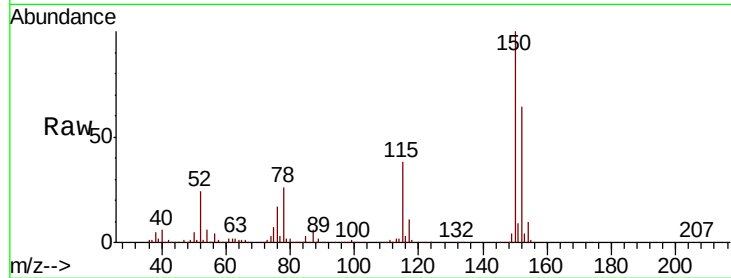
Tot Ion:152 Resp: 275224

Ion Ratio Lower Upper

152 100

115 57.9 27.2 81.6

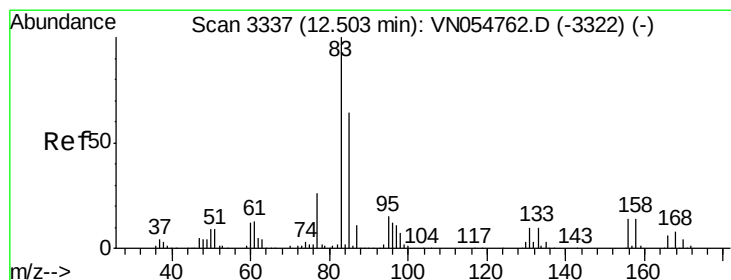
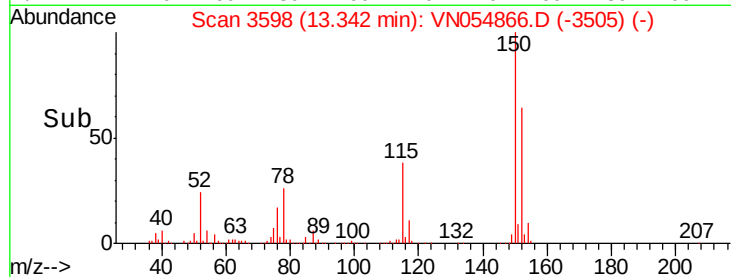
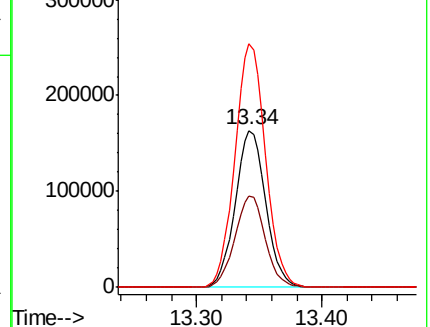
150 155.8 0.0 349.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054866.D

Acq: 1 Apr 2019 11:33

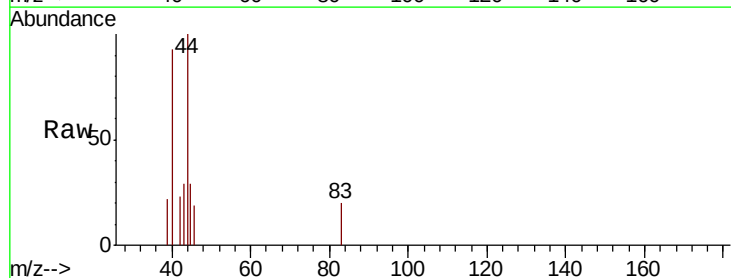
Tgt Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

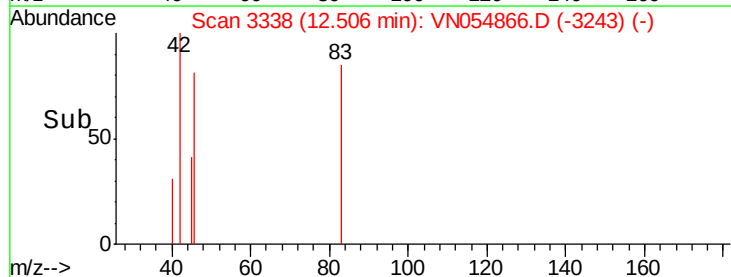
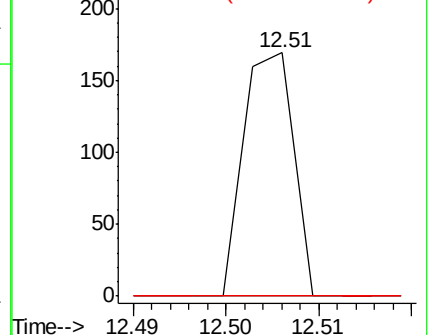
85 0.0 32.2 96.6#

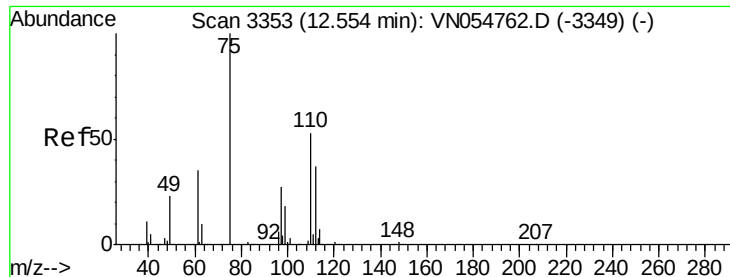


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 34.555 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054866.D

Acq: 1 Apr 2019 11:33

Instrument :

MSVOA_N

ClientSampled :

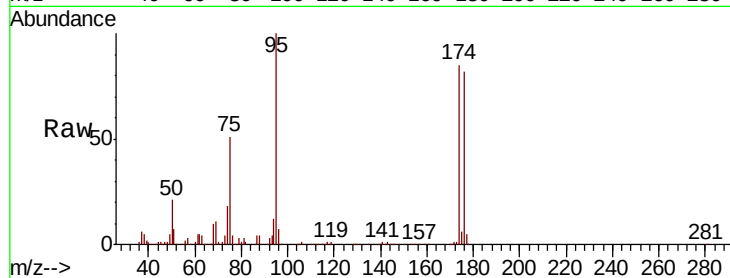
VN0401WBL01

Tot Ion: 75 Resp: 165216

Ion Ratio Lower Upper

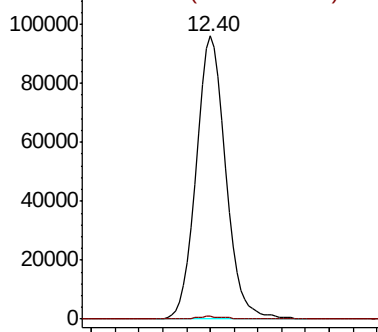
75 100

77 1.0 0.0 0.0#

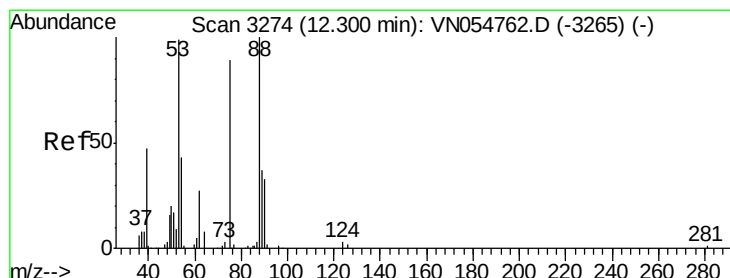
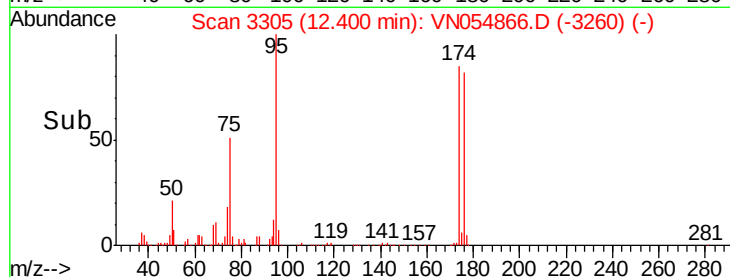


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 134.409 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054866.D

Acq: 1 Apr 2019 11:33

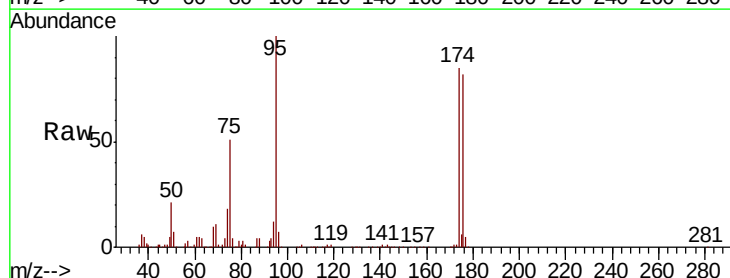
Tgt Ion: 75 Resp: 165216

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

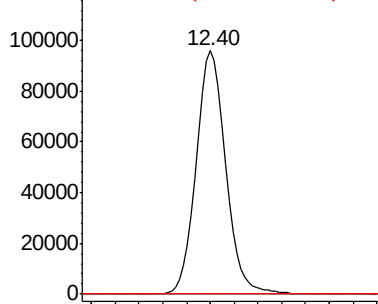
89 0.0 39.2 58.8#



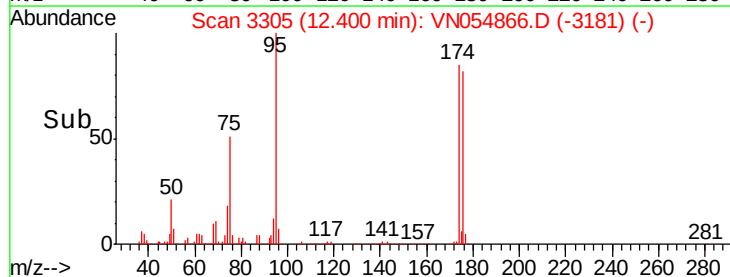
Abundance Ion 74.90 (74.60 to 75.60): VN0

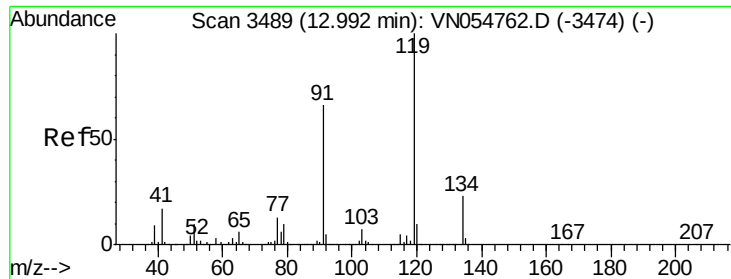
Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time--> 12.30 12.40 12.50





#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3493

Delta R.T. 0.01 min

Lab File: VN054866.D

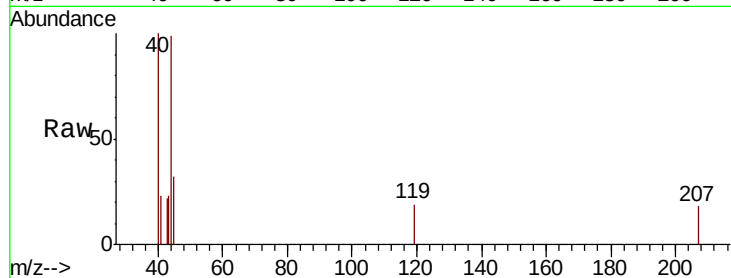
Acq: 1 Apr 2019 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0401WBL01



Tot Ion:	119	Resp:	32
Ion	Ratio	Lower	Upper
119	100		
91	181.3	30.9	92.8#
134	0.0	13.2	39.6#

