

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052365.D
 Acq On : 16 Nov 2018 15:27
 Operator : MD\SY
 Sample : J5981-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Nov 16 22:40:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	297907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	503554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139416	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	216821	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
35) Dibromofluoromethane	7.59	113	162353	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.09	98	621836	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	178067	42.36	ug/l	0.00
Spiked Amount			Recovery	=	84.72%	

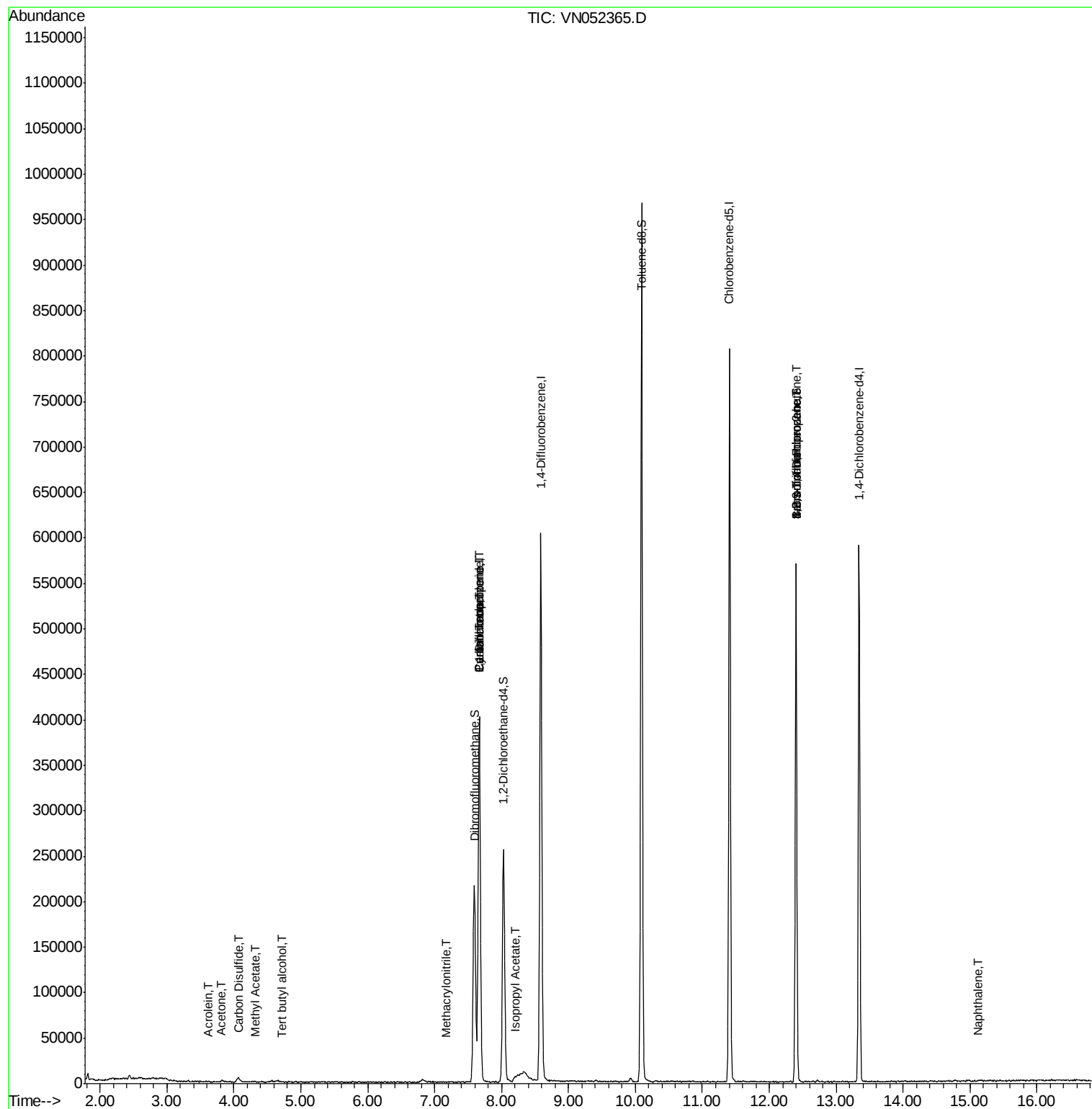
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	60	0.270	ug/l #	72
13) Acrolein	3.61	56	30	21.852	ug/l #	14
16) Acetone	3.81	43	2652	2.289	ug/l #	78
17) Carbon Disulfide	4.06	76	2099	0.239	ug/l #	74
18) Methyl Acetate	4.31	43	295	0.522	ug/l #	57
20) Methylene Chloride	4.55	84	360	Below Cal	#	39
31) Cyclohexane	7.67	56	9359	0.411	ug/l #	24
36) 1,1-Dichloropropene	7.67	75	27842	5.516	ug/l #	52
38) Carbon Tetrachloride	7.67	117	32735	7.060	ug/l #	15
41) Methacrylonitrile	7.16	41	29	3.709	ug/l #	100
43) Isopropyl Acetate	8.20	43	3938	0.557	ug/l #	67
71) Bromoform	12.39	173	500	0.283	ug/l #	27
76) 1,2,3-Trichloropropane	12.40	75	104028	43.975	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	104028	142.627	ug/l #	5
95) Naphthalene	15.12	128	149	2.633	ug/l #	69

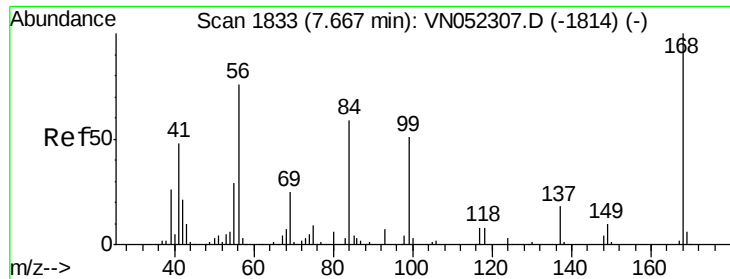
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111618\
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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052365.D

Acq: 16 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampled :

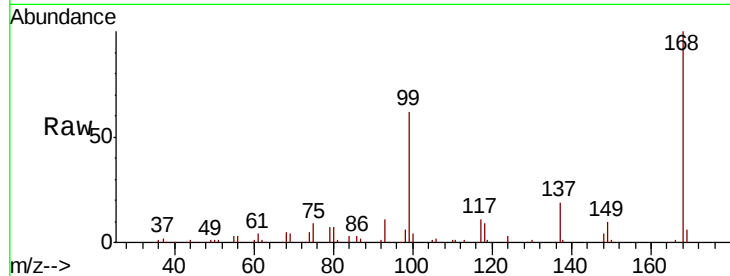
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Tot Ion:168 Resp: 297907

Ion Ratio Lower Upper

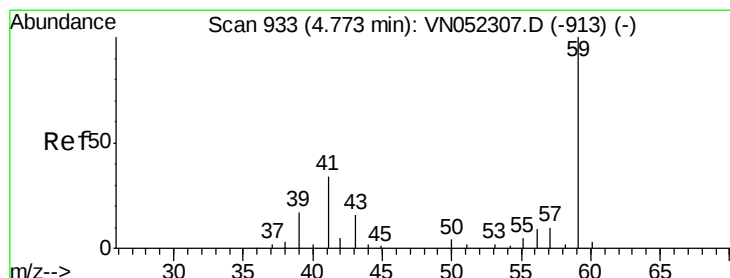
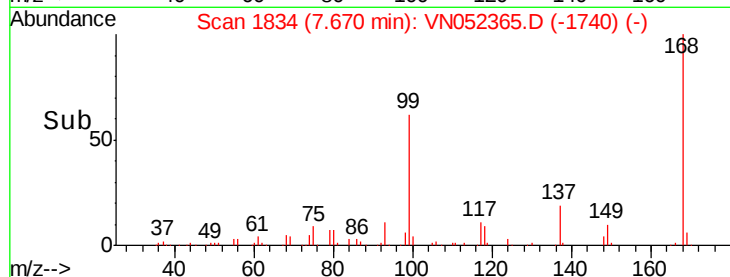
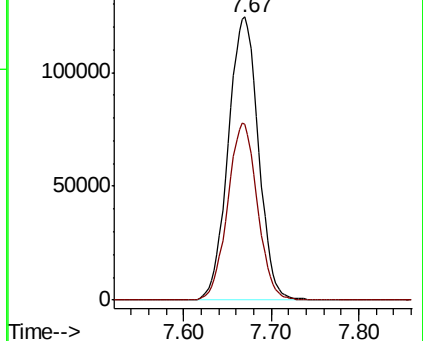
168 100

99 62.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.270 ug/l

RT: 4.72 min Scan# 918

Delta R.T. -0.05 min

Lab File: VN052365.D

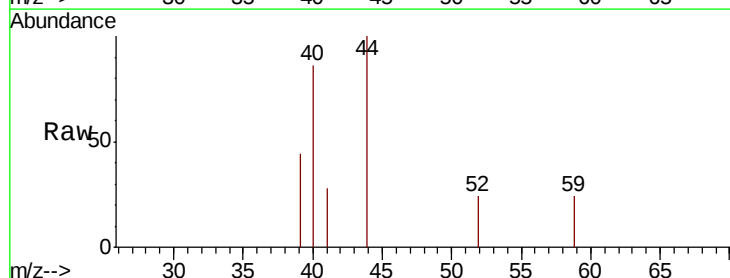
Acq: 16 Nov 2018 15:27

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

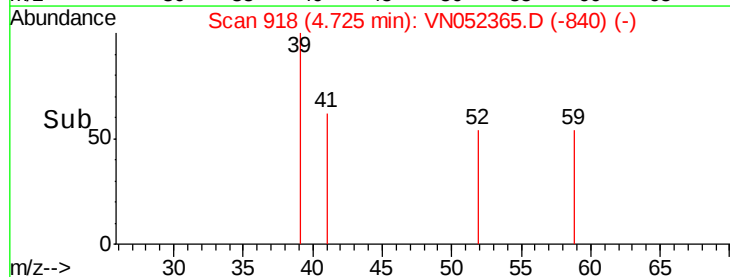
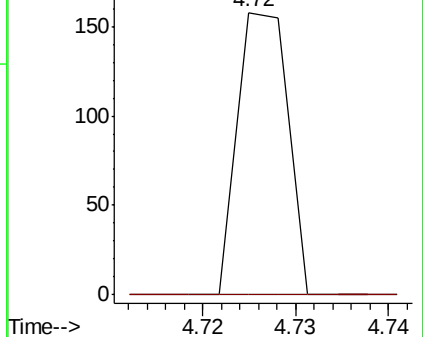
59 100

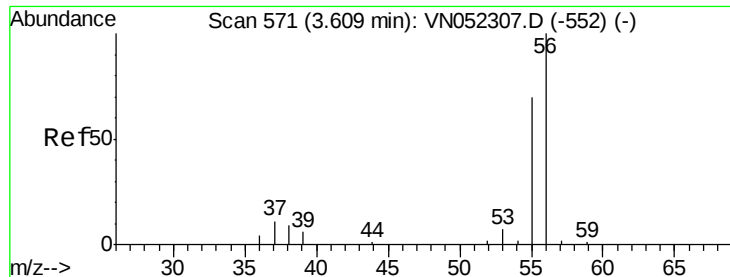
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#13

Acrolein

Concen: 21.852 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052365.D

Acq: 16 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampled :

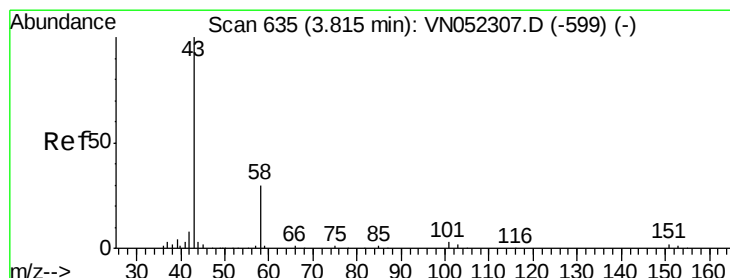
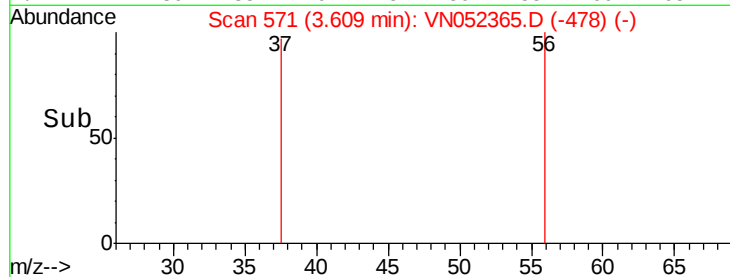
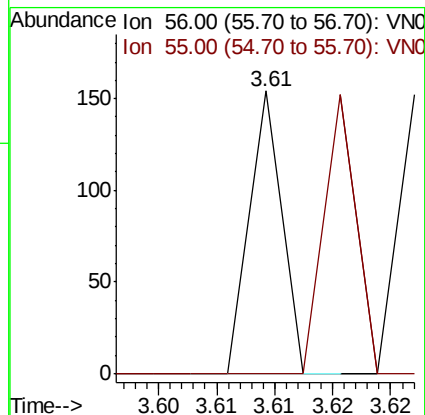
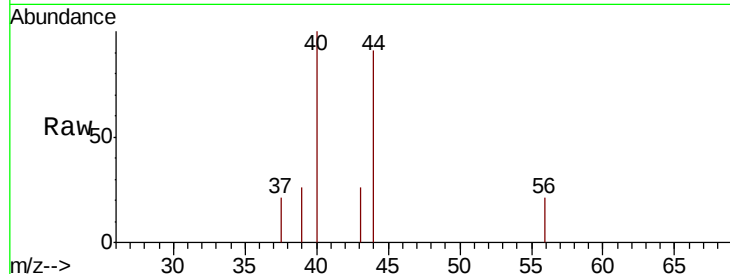
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Tot Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



#16

Acetone

Concen: 2.289 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052365.D

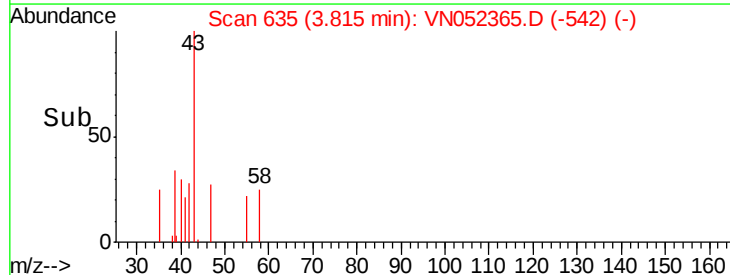
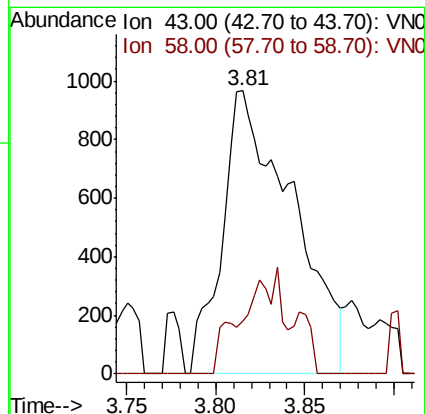
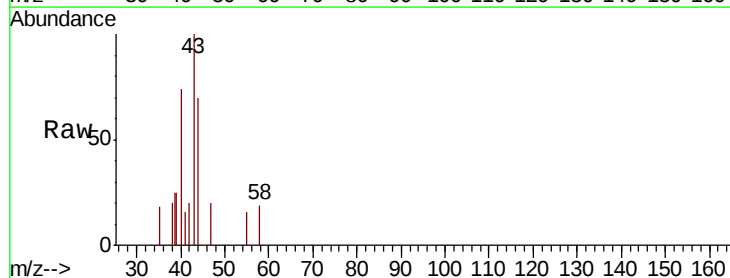
Acq: 16 Nov 2018 15:27

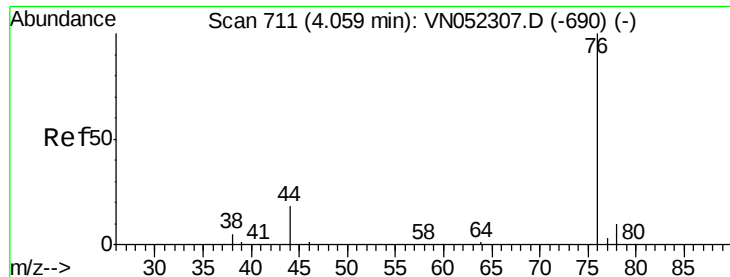
Tgt Ion: 43 Resp: 2652

Ion Ratio Lower Upper

43 100

58 18.5 24.2 36.4#

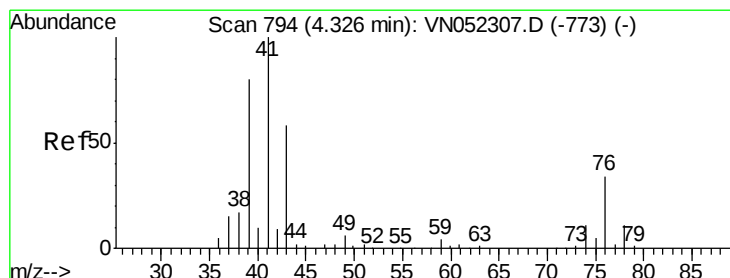
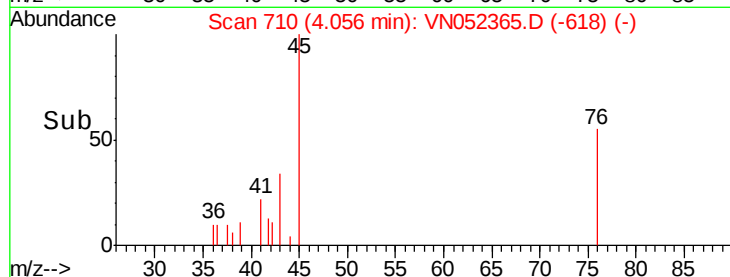
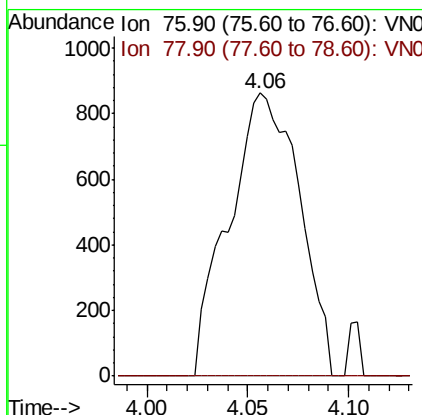
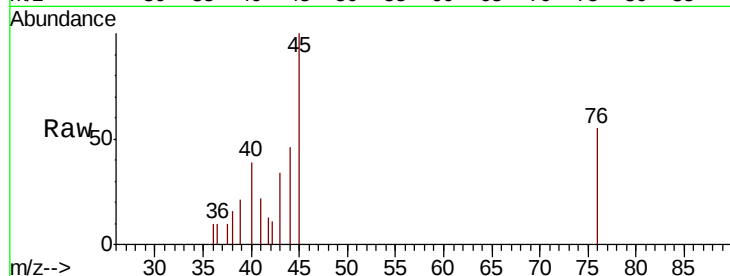




#17
Carbon Disulfide
Concen: 0.239 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052365.D
Acq: 16 Nov 2018 15:27

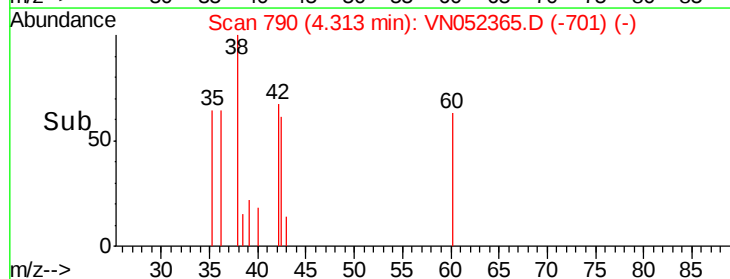
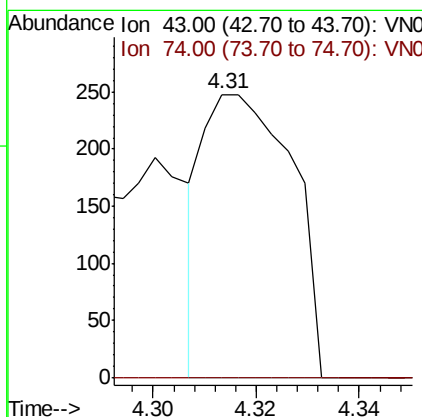
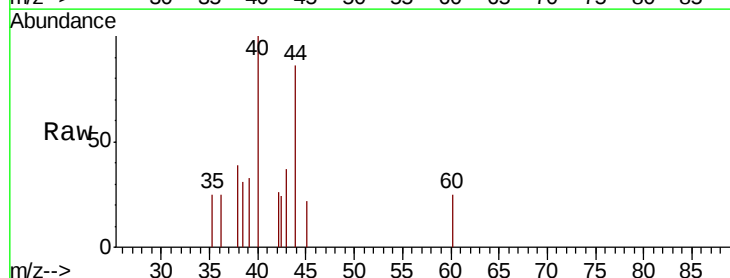
Instrument :
MSVOA_N
ClientSampleId :
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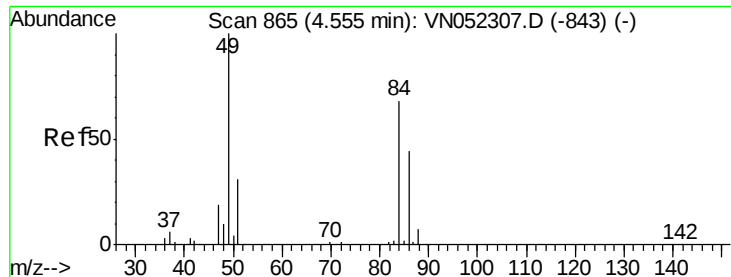
Tot Ion: 76 Resp: 2099
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 0.522 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.01 min
Lab File: VN052365.D
Acq: 16 Nov 2018 15:27

Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#

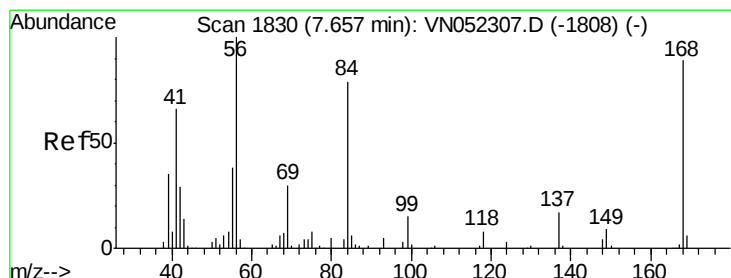
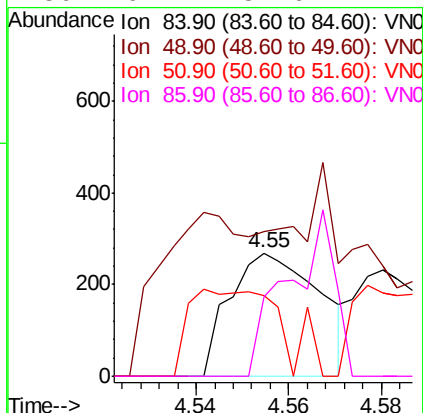
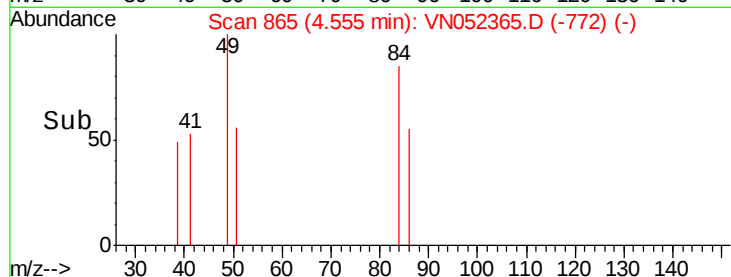
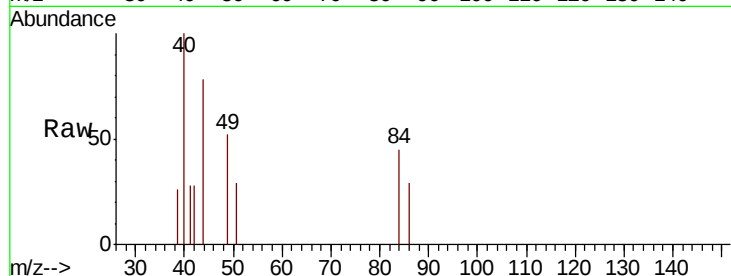




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052365.D
Acq: 16 Nov 2018 15:27

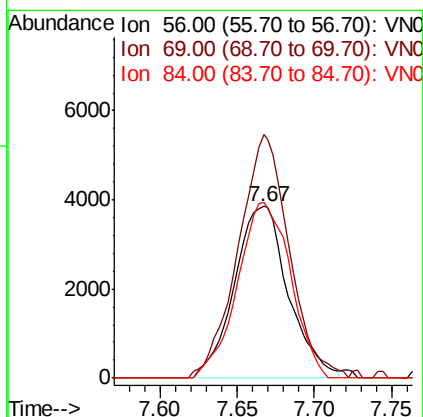
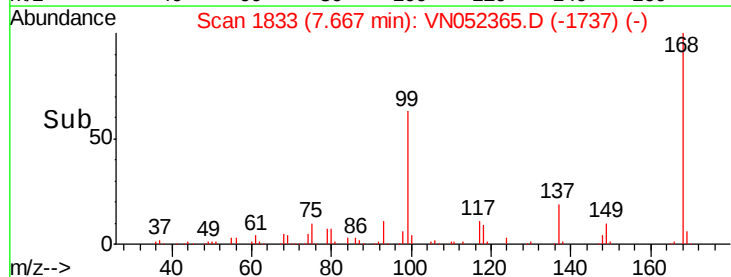
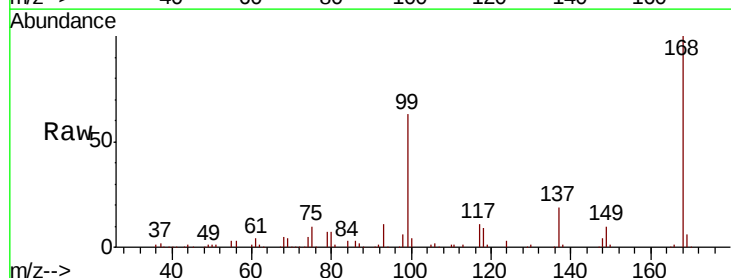
Instrument :
MSVOA_N
ClientSampleId :
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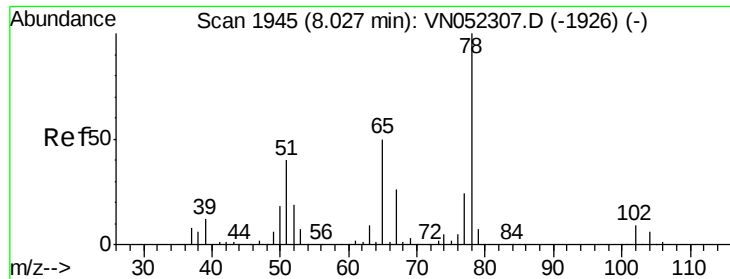
Tot Ion: 84 Resp: 360
Ion Ratio Lower Upper
84 100
49 25.7 118.2 177.2#
51 65.4 36.1 54.1#
86 64.7 51.6 77.4



#31
Cyclohexane
Concen: 0.411 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052365.D
Acq: 16 Nov 2018 15:27

Tgt Ion: 56 Resp: 9359
Ion Ratio Lower Upper
56 100
69 141.7 23.8 35.8#
84 102.2 63.0 94.6#

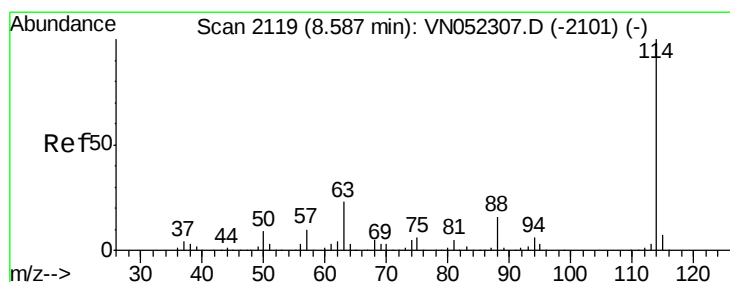
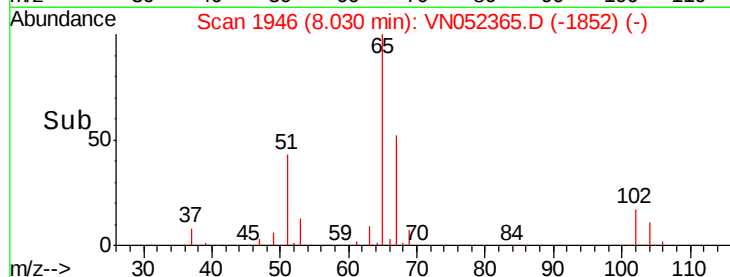
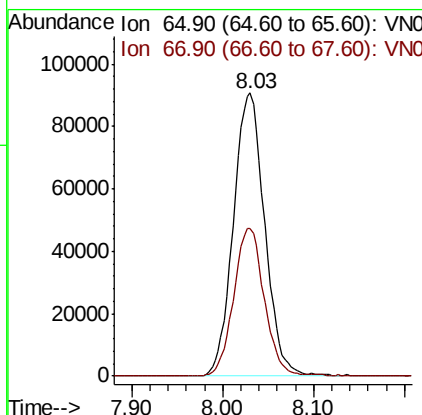
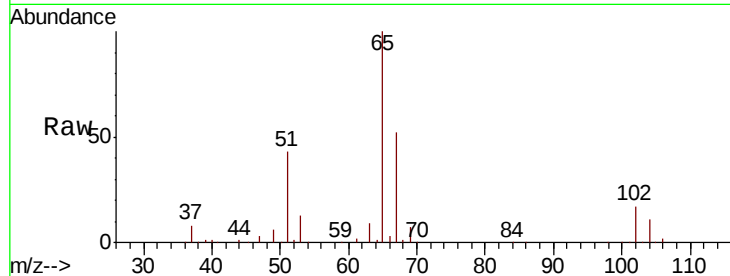




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052365.D
 Acq: 16 Nov 2018 15:27

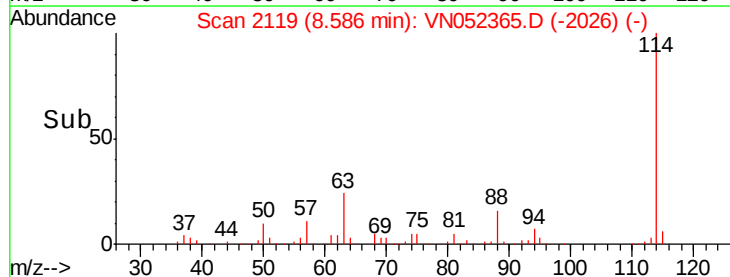
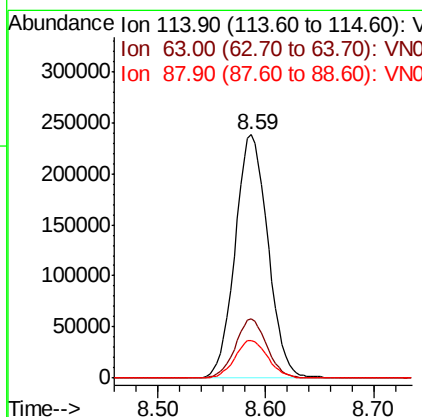
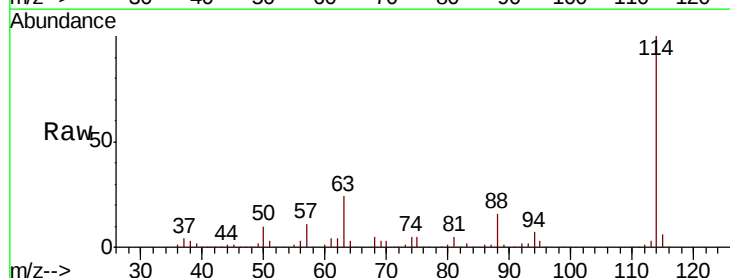
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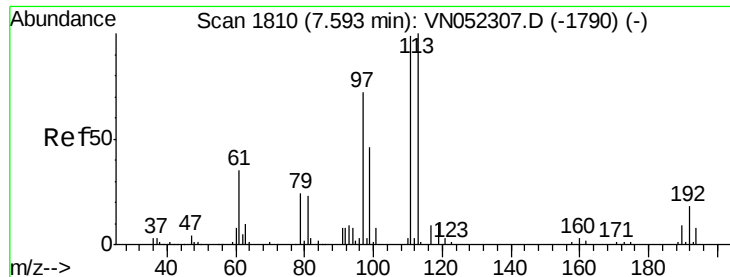
Tot Ion: 65 Resp: 216821
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052365.D
 Acq: 16 Nov 2018 15:27

Tgt Ion: 114 Resp: 503554
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 45.4
 88 15.6 0.0 31.2

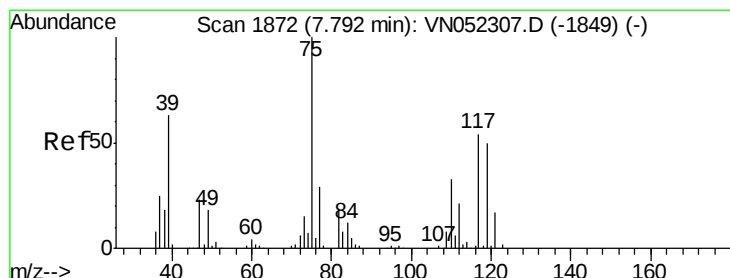
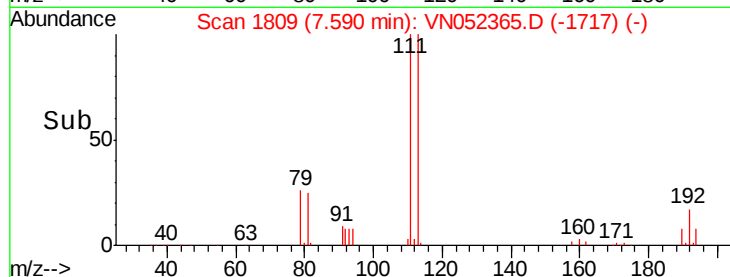
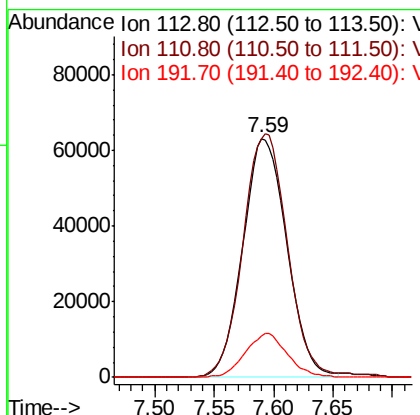
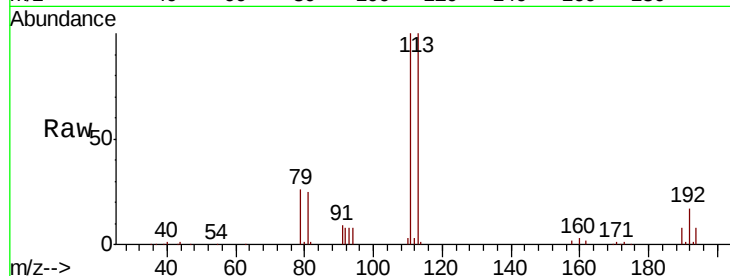




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052365.D
 Acq: 16 Nov 2018 15:27

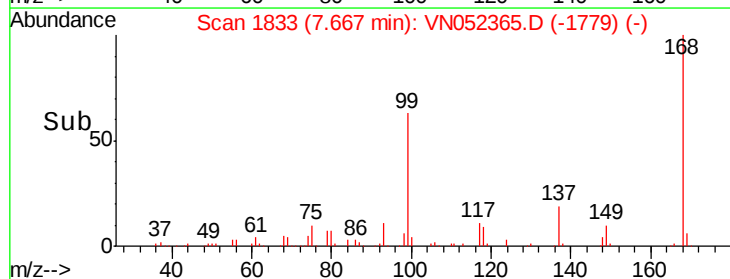
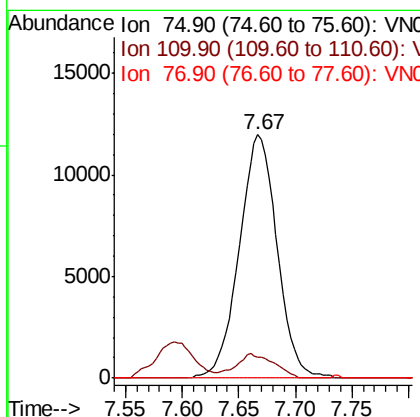
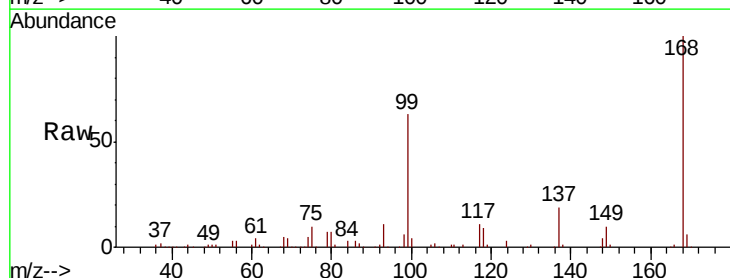
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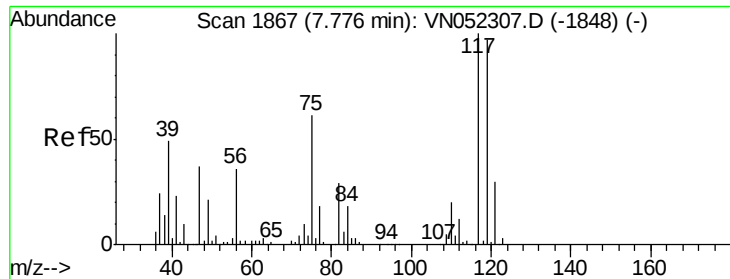
Tot Ion:113 Resp: 162353
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.0 121.6
 192 17.8 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 5.516 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052365.D
 Acq: 16 Nov 2018 15:27

Tgt Ion: 75 Resp: 27842
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.5 49.5#
 77 0.0 24.2 36.2#

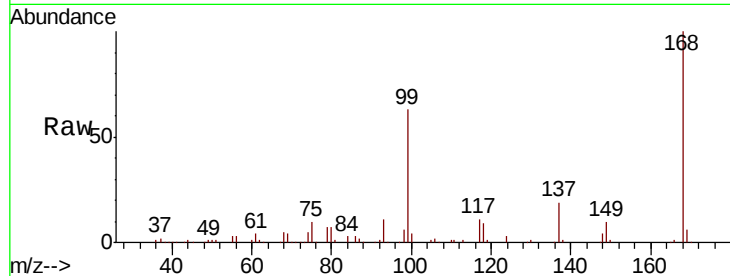




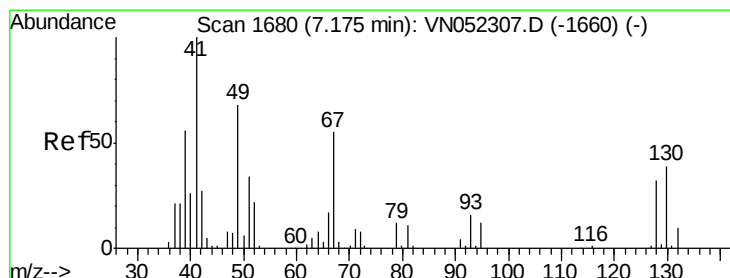
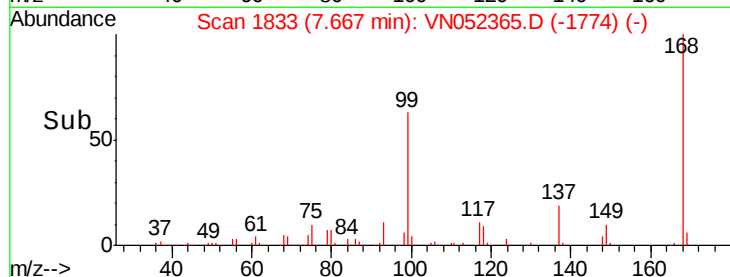
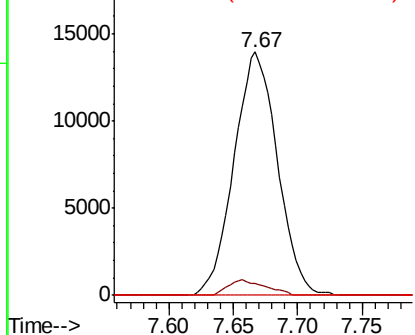
#38
Carbon Tetrachloride
Concen: 7.060 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052365.D
Acq: 16 Nov 2018 15:27

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion: 117 Resp: 32735
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.0#
121 0.0 24.0 36.0#

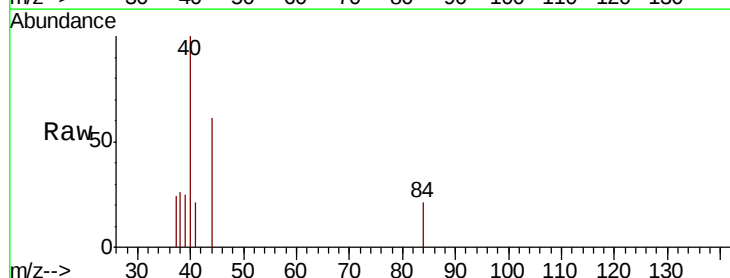


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

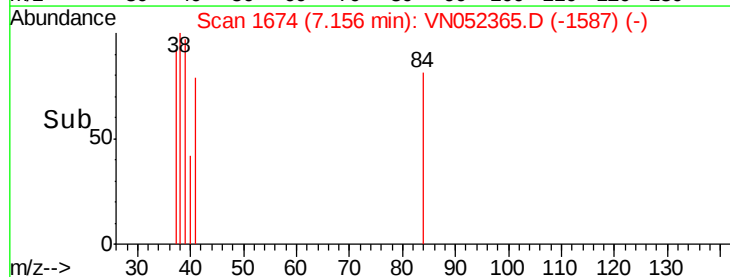
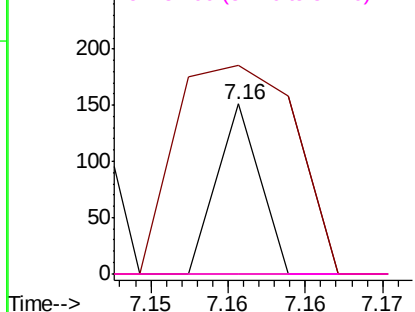


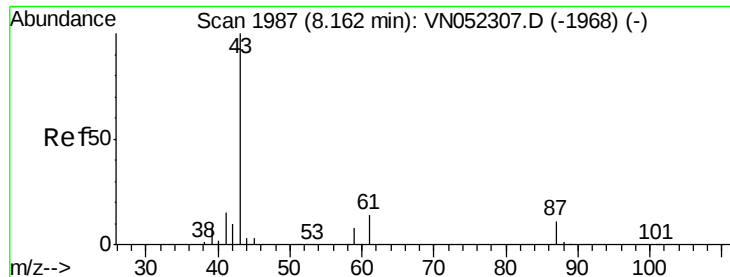
#41
Methacrylonitrile
Concen: 3.709 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.02 min
Lab File: VN052365.D
Acq: 16 Nov 2018 15:27

Tgt Ion: 41 Resp: 29
Ion Ratio Lower Upper
41 100
39 344.8 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): V
Ion 39.00 (38.70 to 39.70): V
Ion 67.00 (66.70 to 67.70): V
Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 0.557 ug/l

RT: 8.20 min Scan# 1998

Delta R.T. 0.04 min

Lab File: VN052365.D

Acq: 16 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

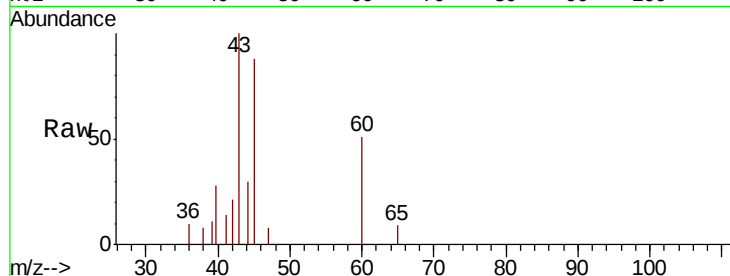
Tot Ion: 43 Resp: 3938

Ion Ratio Lower Upper

43 100

61 0.0 12.0 18.0#

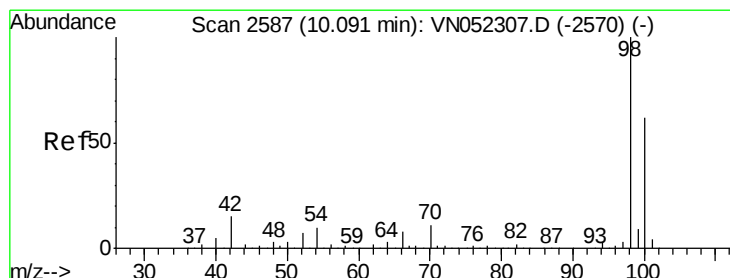
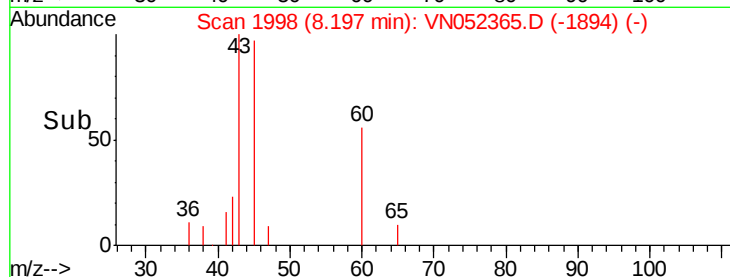
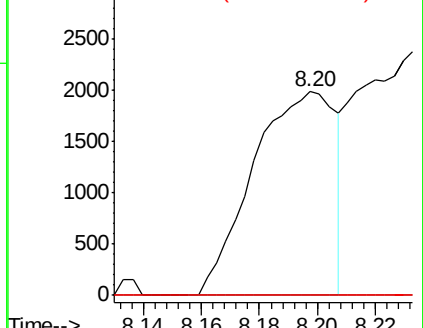
87 0.0 8.3 12.5#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052365.D

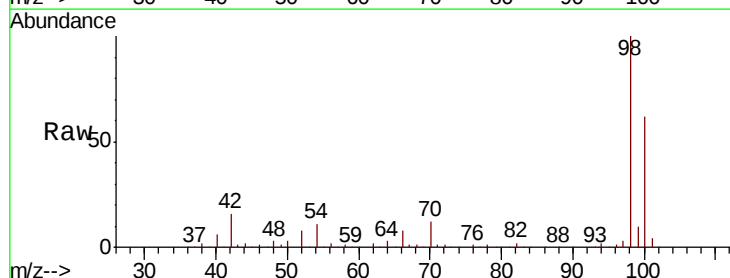
Acq: 16 Nov 2018 15:27

Tgt Ion: 98 Resp: 621836

Ion Ratio Lower Upper

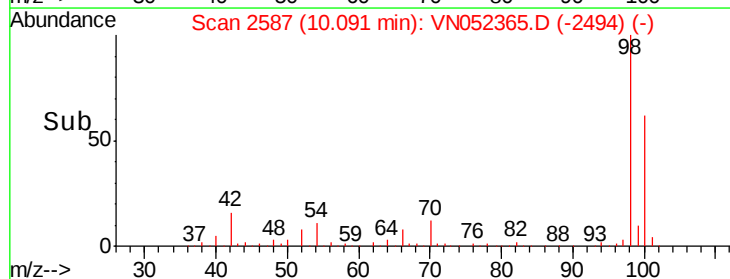
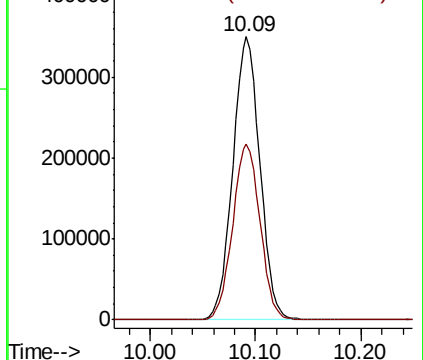
98 100

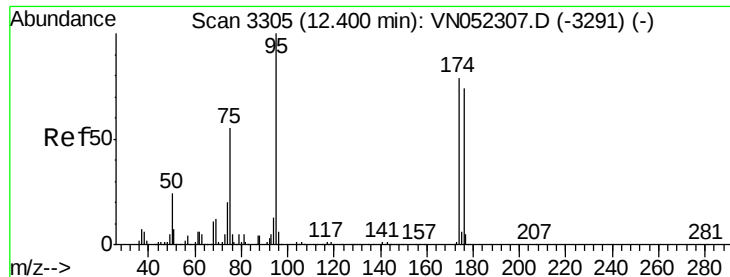
100 62.9 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

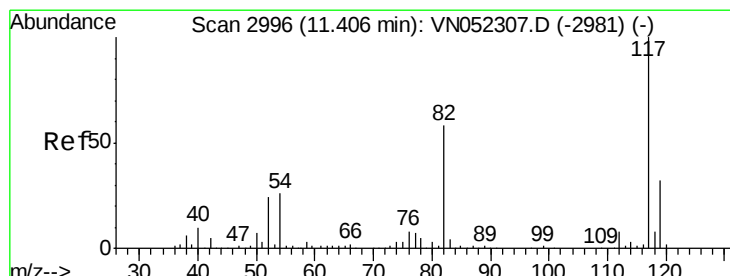
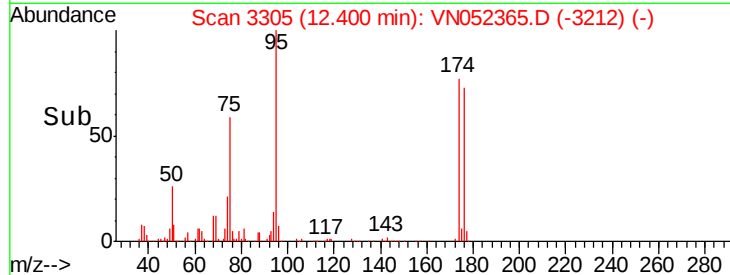
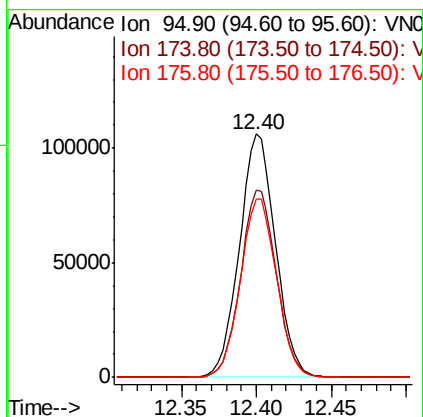
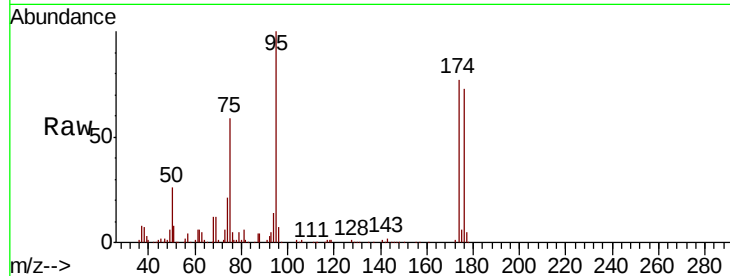




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052365.D
Acq: 16 Nov 2018 15:27

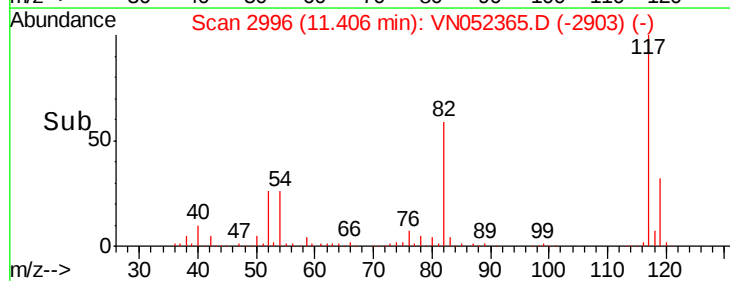
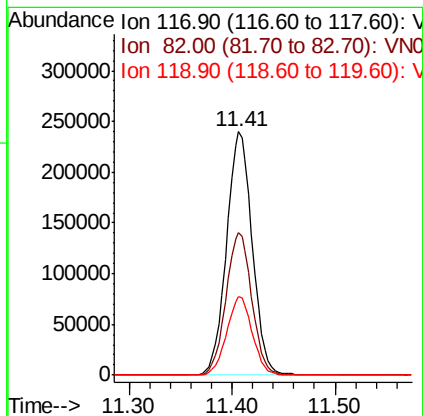
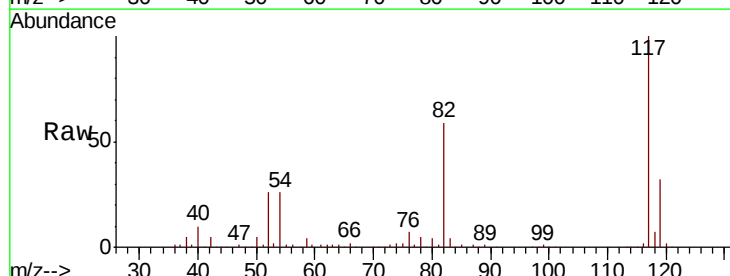
Instrument :
MSVOA_N
ClientSampled :
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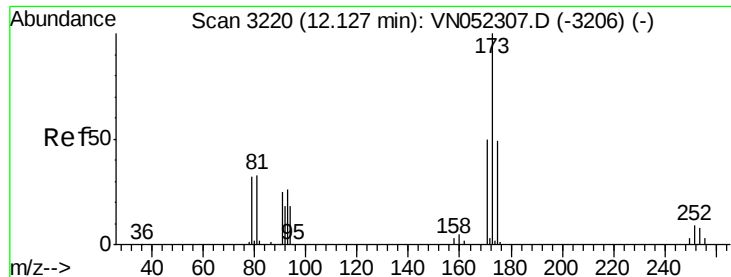
Tot Ion: 95 Resp: 178067
Ion Ratio Lower Upper
95 100
174 76.2 0.0 156.0
176 73.5 0.0 148.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052365.D
Acq: 16 Nov 2018 15:27

Tgt Ion: 117 Resp: 414819
Ion Ratio Lower Upper
117 100
82 58.5 46.5 69.7
119 32.1 25.7 38.5





#71

Bromoform

Concen: 0.283 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN052365.D

Acq: 16 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampleId :

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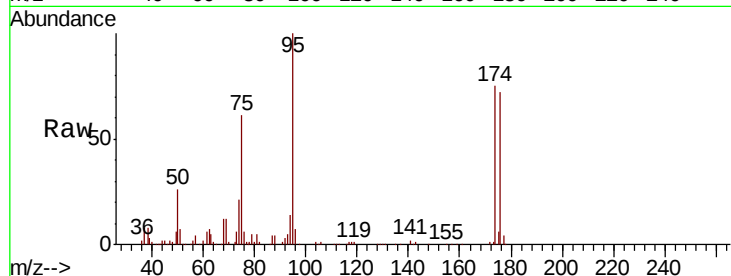
Tot Ion:173 Resp: 500

Ion Ratio Lower Upper

173 100

175 0.0 25.0 75.0#

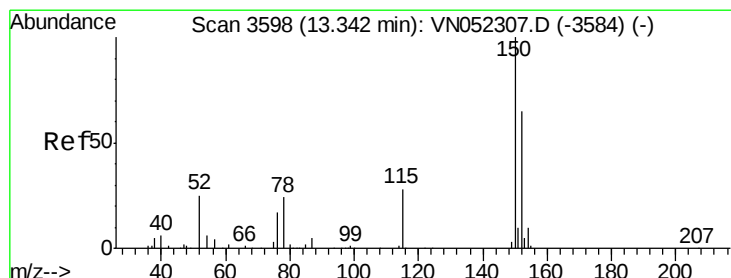
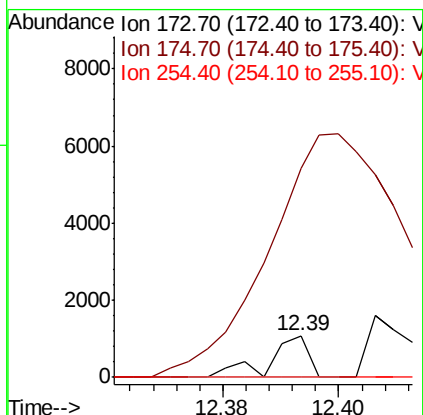
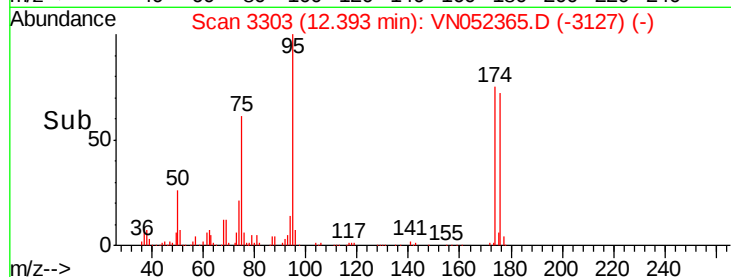
254 0.0 0.0 0.0



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: VN052365.D

Acq: 16 Nov 2018 15:27

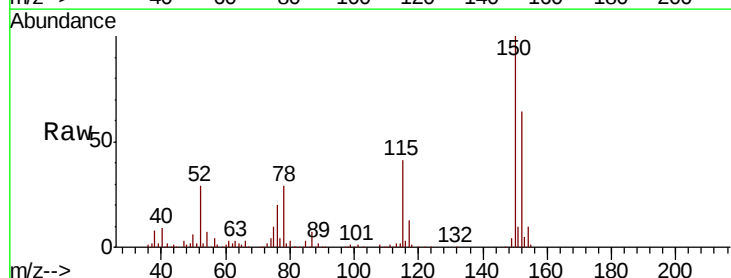
Tgt Ion:152 Resp: 139416

Ion Ratio Lower Upper

152 100

115 62.1 30.3 91.0

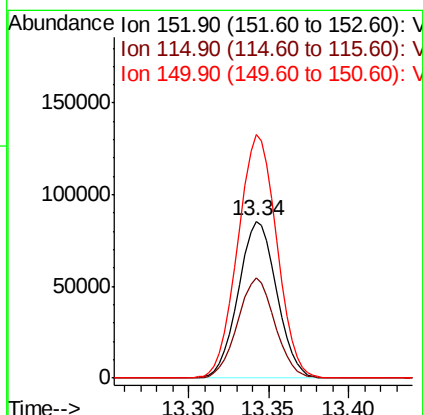
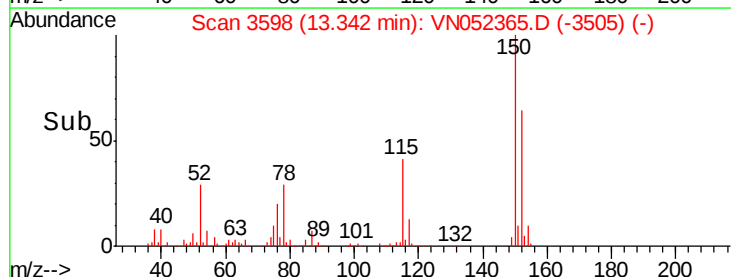
150 158.2 0.0 348.2

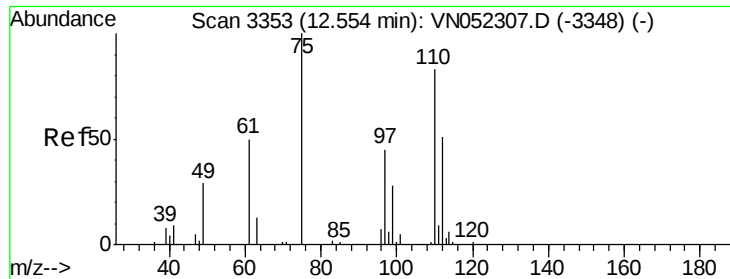


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 43.975 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052365.D

Acq: 16 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampled :

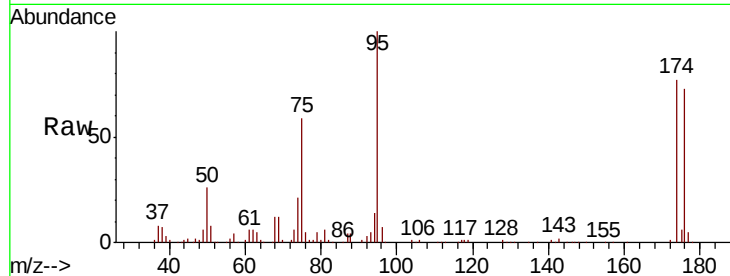
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Tot Ion: 75 Resp: 104028

Ion Ratio Lower Upper

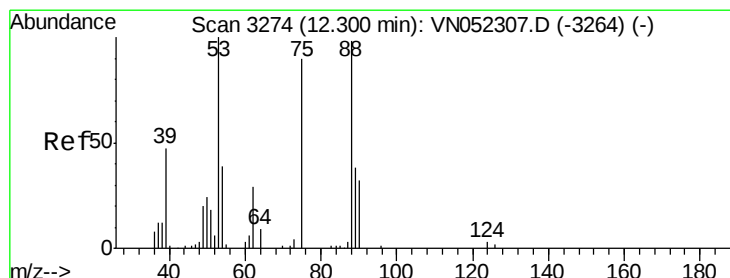
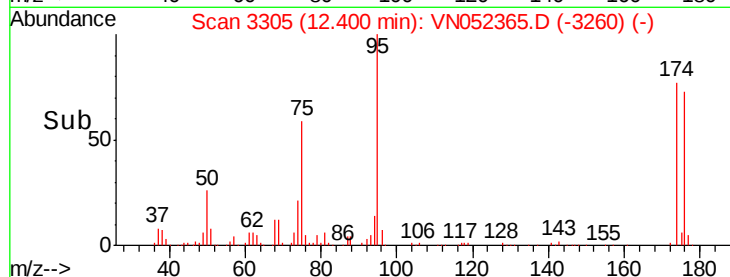
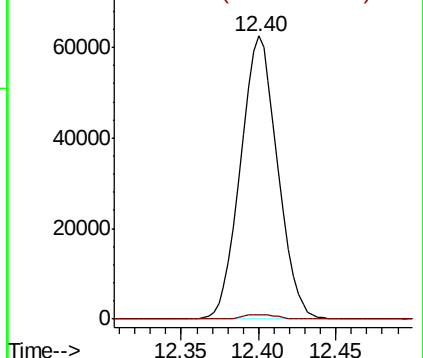
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 142.627 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052365.D

Acq: 16 Nov 2018 15:27

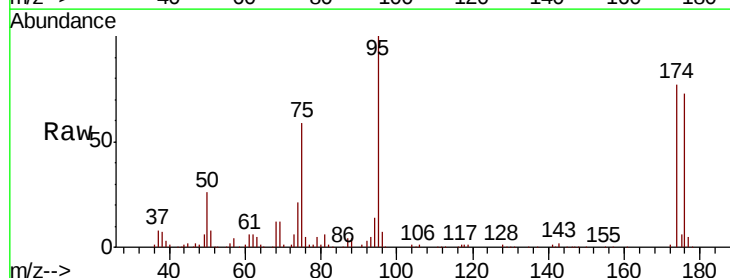
Tgt Ion: 75 Resp: 104028

Ion Ratio Lower Upper

75 100

53 0.1 90.2 135.2#

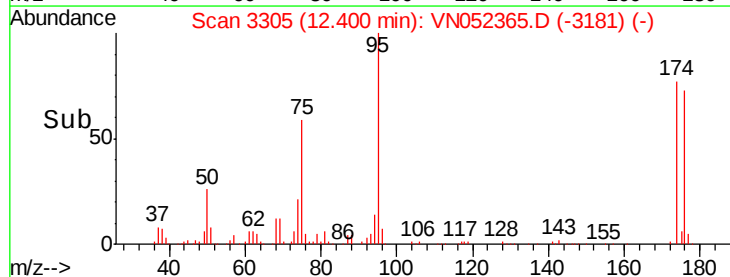
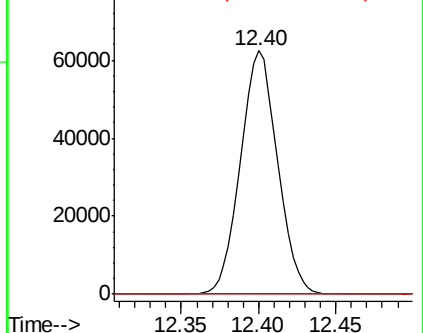
89 0.0 35.4 53.0#

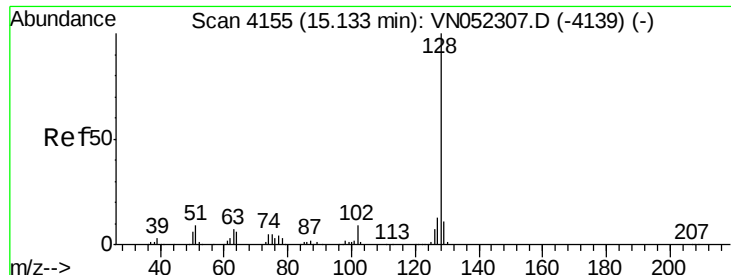


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 2.633 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN052365.D

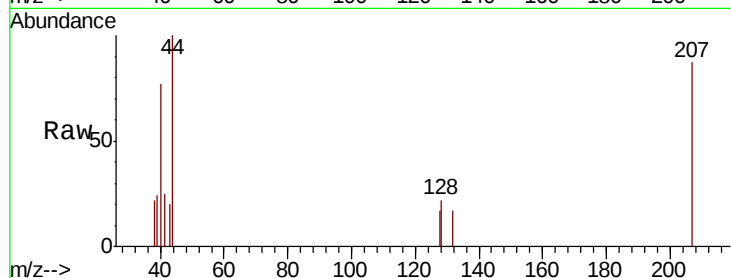
Acq: 16 Nov 2018 15:27

Instrument :

MSVOA_N

ClientSampleId :

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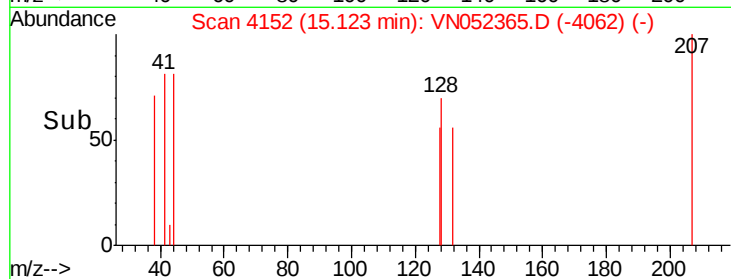
Tot Ion:128 Resp: 149

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



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

