

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056118.D
 Acq On : 7 Jun 2019 23:31
 Operator : JC/SP
 Sample : K3223-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY024MW068-190605

Quant Time: Jun 08 07:04:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	319652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	488997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	451285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147154	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	169809	53.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.00%	
35) Dibromofluoromethane	7.59	113	152990	50.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.98%	
50) Toluene-d8	10.09	98	627576	54.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.40	95	196740	50.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.22%	

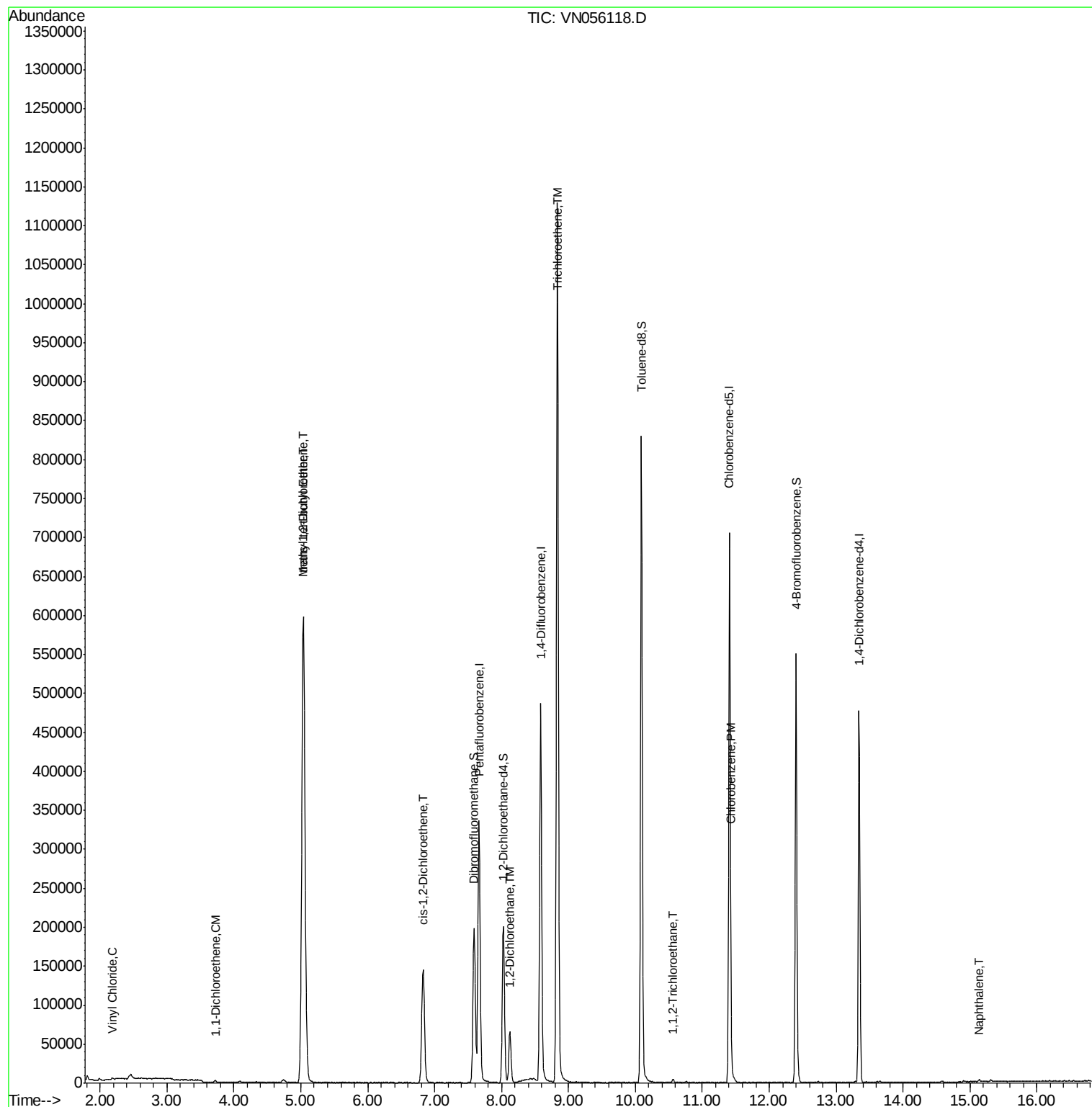
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	1263	0.363	ug/l	99
12) 1,1-Dichloroethene	3.72	96	1420	0.529	ug/l #	85
19) Methyl tert-butyl Ether	5.05	73	351037	41.040	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	309228	107.551	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	104974	31.060	ug/l	89
42) 1,2-Dichloroethane	8.12	62	64516	15.705	ug/l	100
44) Trichloroethene	8.83	130	458095	124.835	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1636	0.520	ug/l	92
65) Chlorobenzene	11.43	112	5865	0.653	ug/l	99
95) Naphthalene	15.14	128	3591	4.322	ug/l #	91

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

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QLast Update : Tue Jun 04 11:02:09 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: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

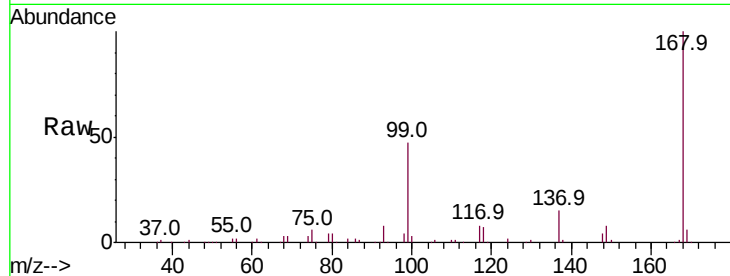
KY024MW068-190605

Tot Ion:168 Resp: 319652

Ion Ratio Lower Upper

168 100

99 46.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

150000

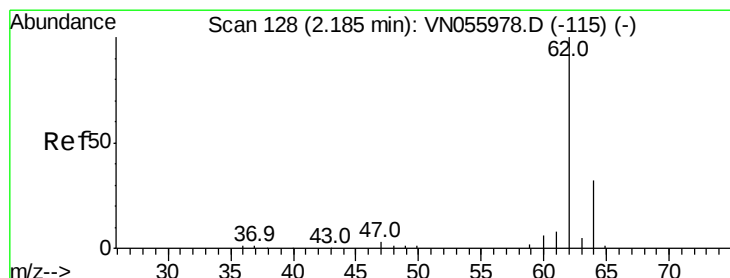
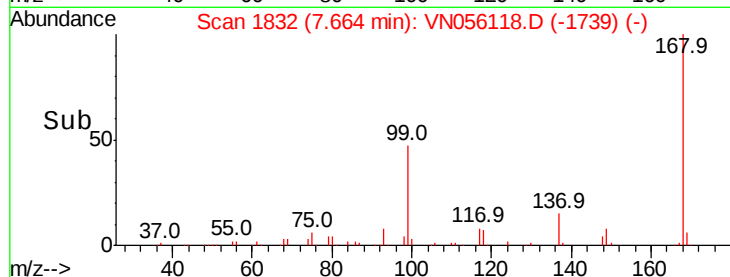
100000

50000

0

7.60 7.70 7.80

Time-->



#4

Vinyl Chloride

Concen: 0.363 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.01 min

Lab File: VN056118.D

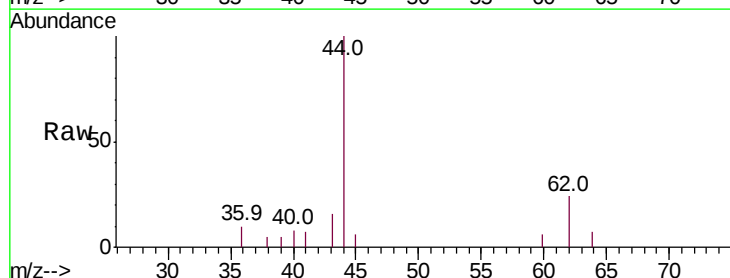
Acq: 7 Jun 2019 23:31

Tgt Ion: 62 Resp: 1263

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-115) (-)

Ion 63.90 (63.60 to 64.60): VN055978.D (-115) (-)

2.18

1000

800

600

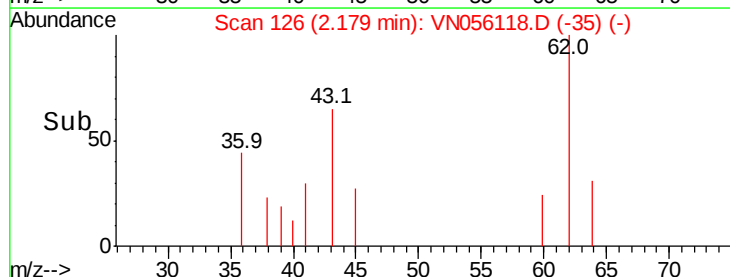
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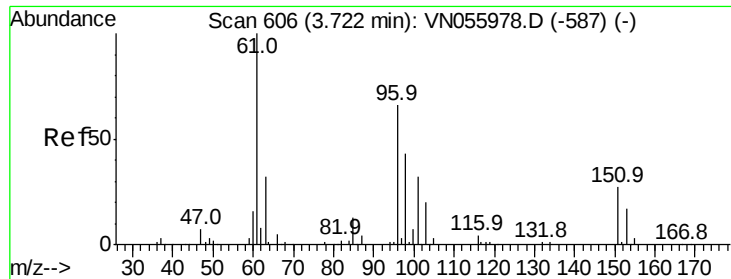
200

0

2.14 2.16 2.18 2.20 2.22

Time-->





#12

1,1-Dichloroethene

Concen: 0.529 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

KY024MW068-190605

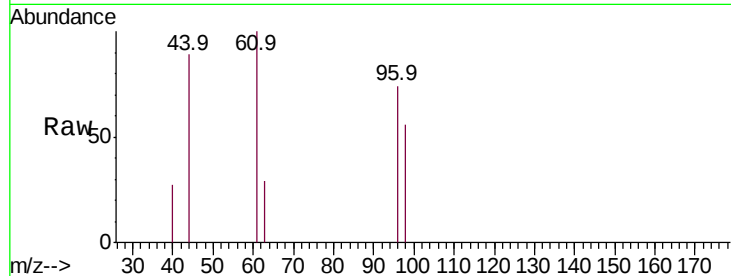
Tot Ion: 96 Resp: 1420

Ion Ratio Lower Upper

96 100

61 135.1 123.2 184.8

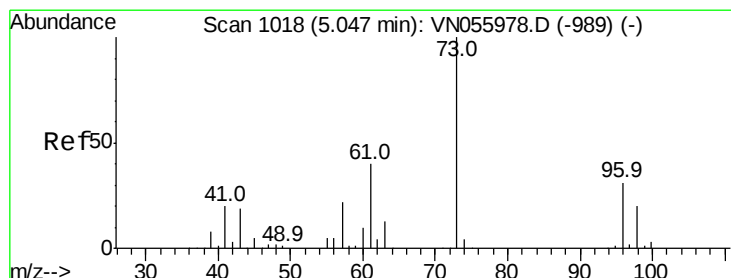
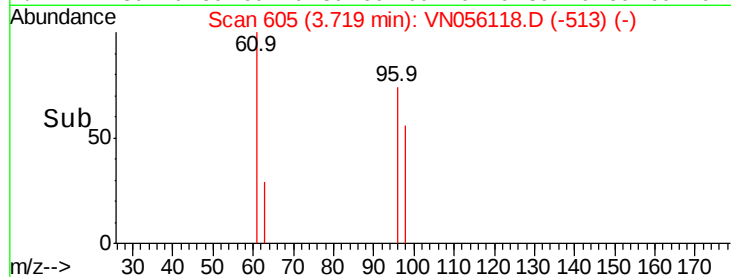
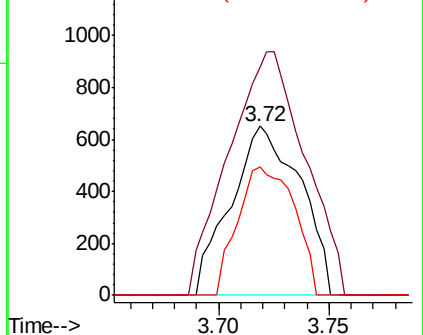
98 76.2 50.4 75.6#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#19

Methyl tert-butyl Ether

Concen: 41.040 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056118.D

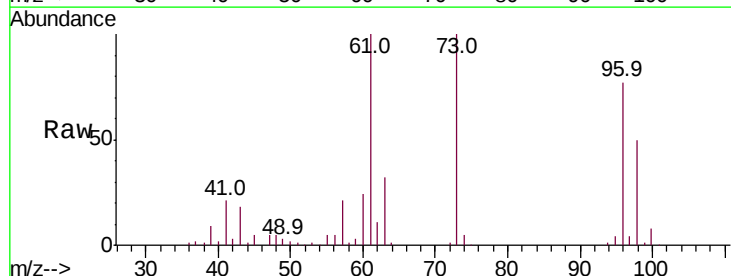
Acq: 7 Jun 2019 23:31

Tgt Ion: 73 Resp: 351037

Ion Ratio Lower Upper

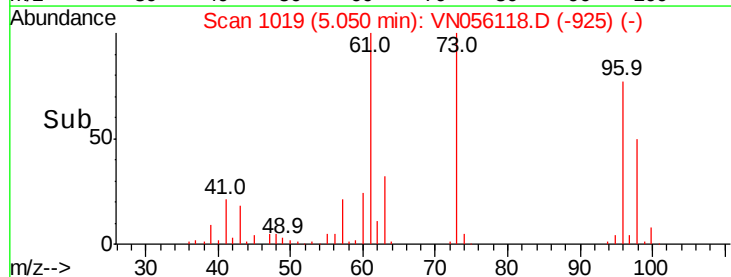
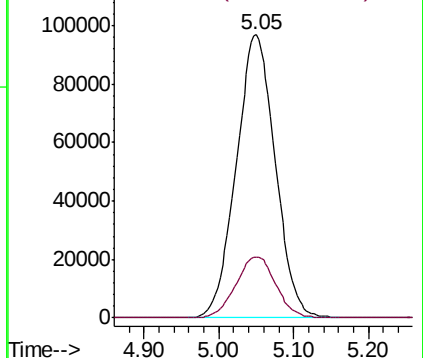
73 100

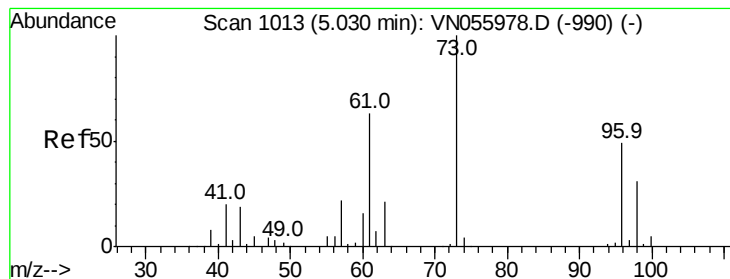
57 21.3 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#21

trans-1,2-Dichloroethene

Concen: 107.551 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

KY024MW068-190605

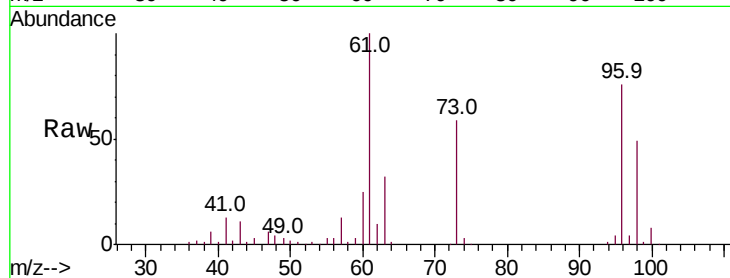
Tot Ion: 96 Resp: 309228

Ion Ratio Lower Upper

96 100

61 130.9 107.8 161.8

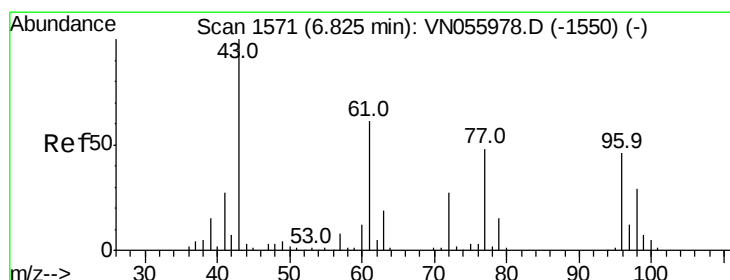
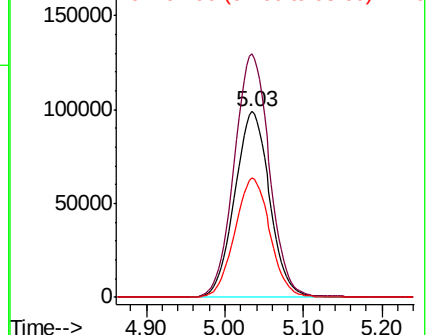
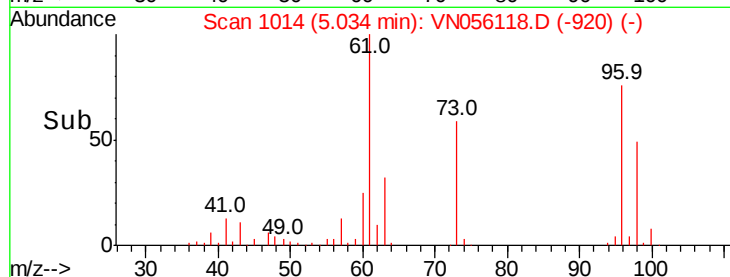
98 64.1 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 31.060 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

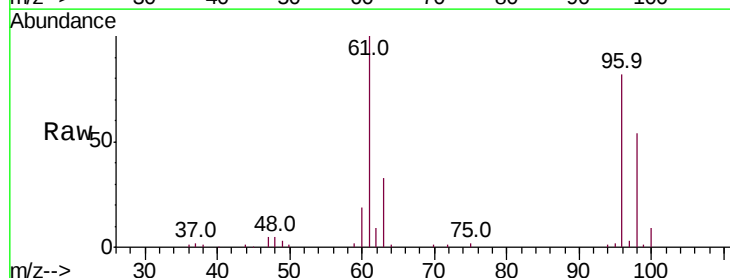
Tgt Ion: 96 Resp: 104974

Ion Ratio Lower Upper

96 100

61 118.8 0.0 275.8

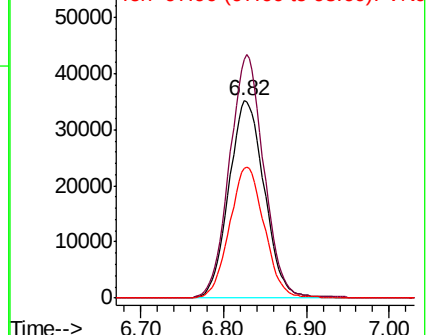
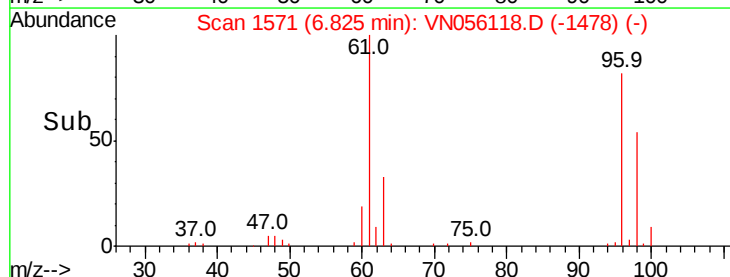
98 64.6 0.0 128.4

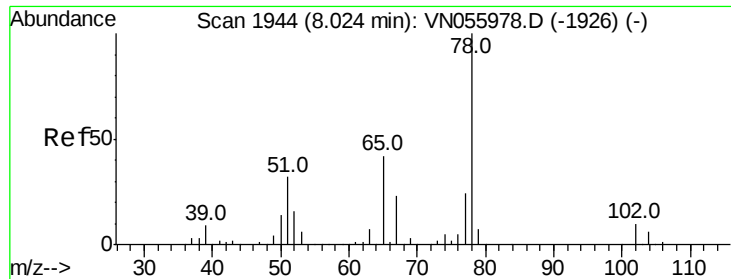


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

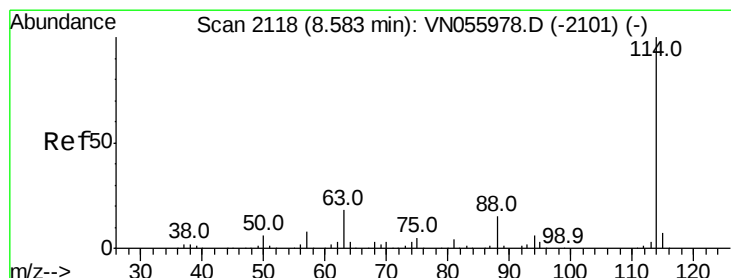
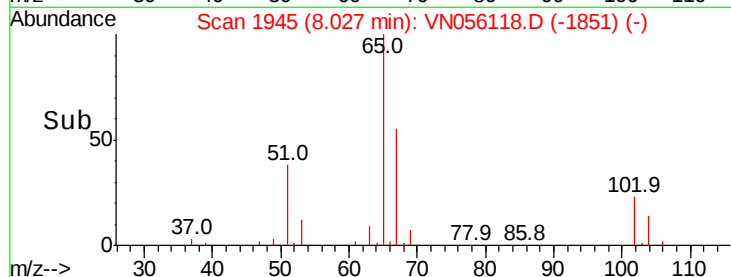
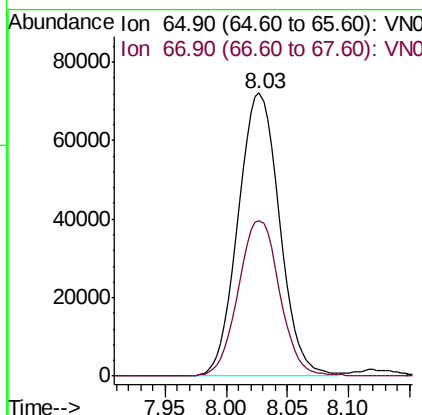
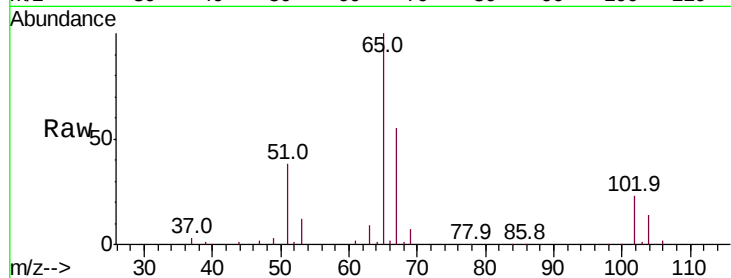




#33
 1,2-Dichloroethane-d4
 Concen: 53.502 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

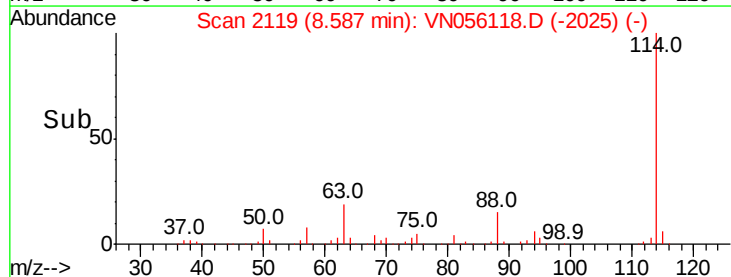
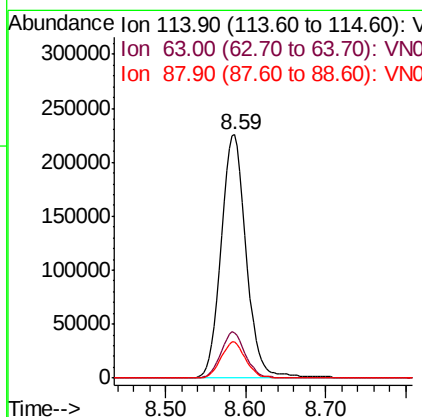
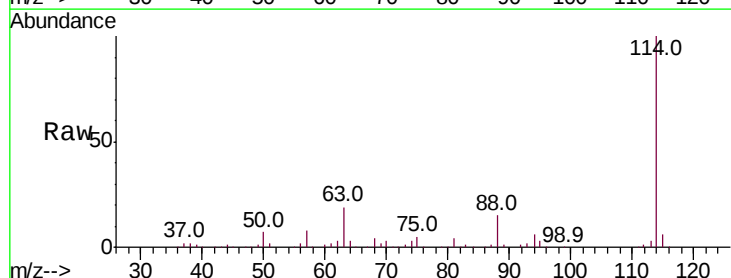
Instrument :
 MSVOA_N
 ClientSampleId :
 KY024MW068-190605

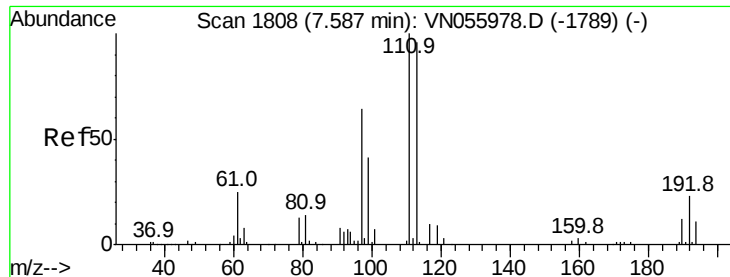
Tot Ion: 65 Resp: 169809
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Tgt Ion: 114 Resp: 488997
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 14.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.994 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

KY024MW068-190605

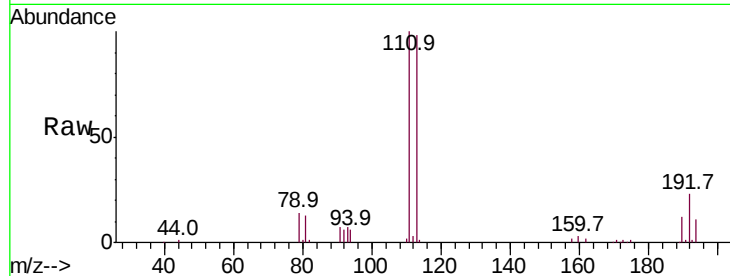
Tot Ion:113 Resp: 152990

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

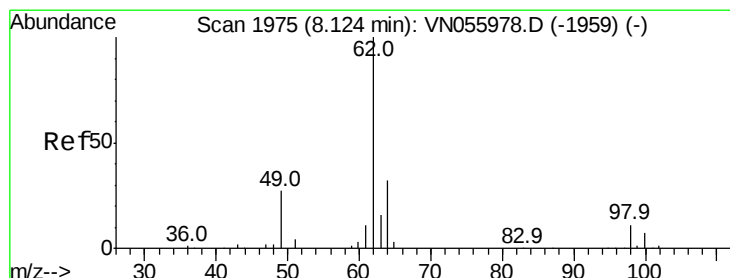
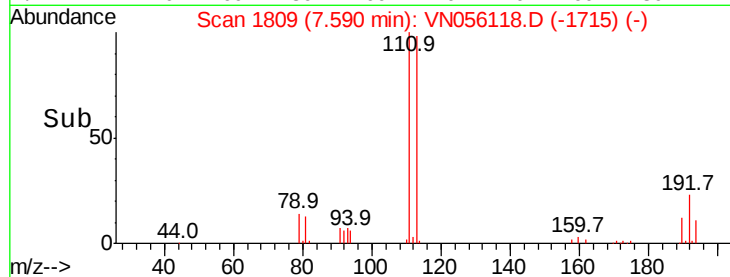
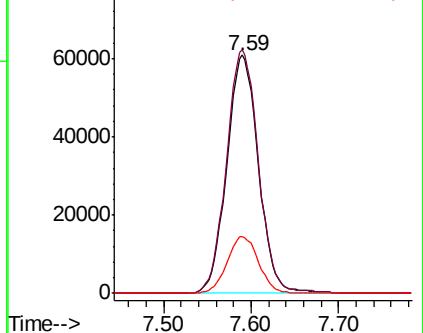
192 23.7 19.5 29.3



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



#42

1,2-Dichloroethane

Concen: 15.705 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN056118.D

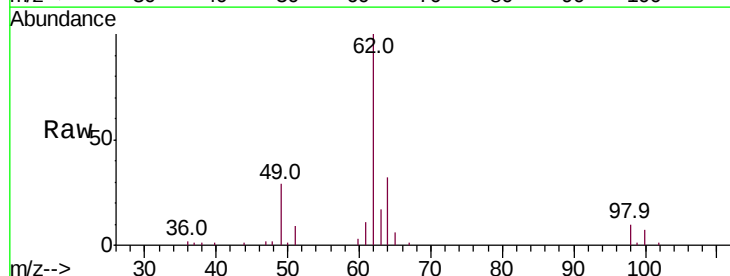
Acq: 7 Jun 2019 23:31

Tgt Ion: 62 Resp: 64516

Ion Ratio Lower Upper

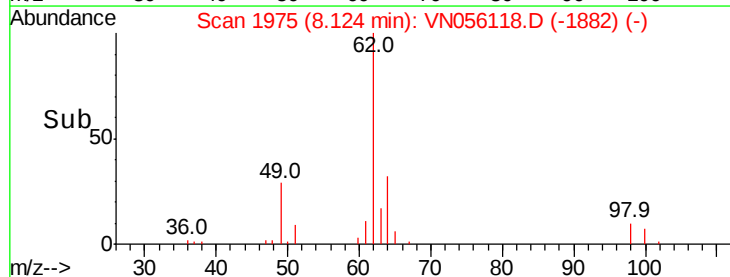
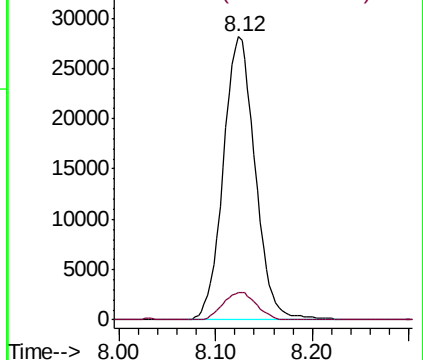
62 100

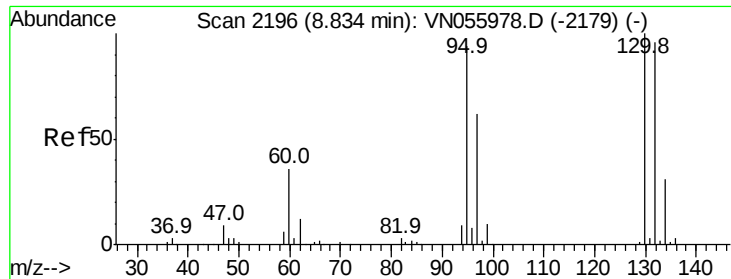
98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): V

Ion 97.90 (97.60 to 98.60): V

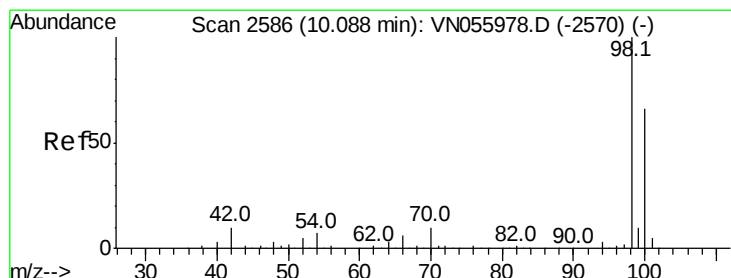
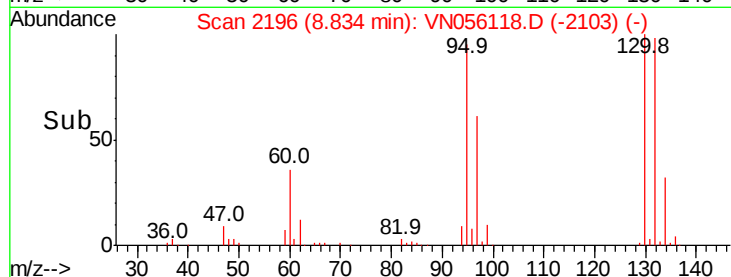
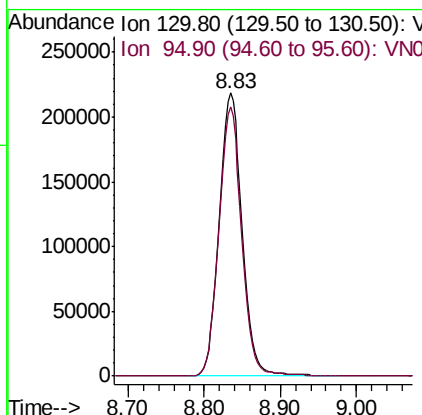
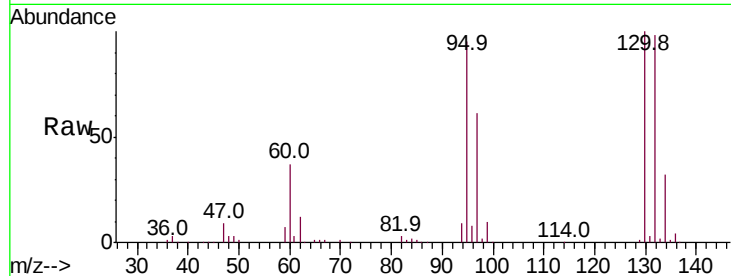




#44
 Trichloroethene
 Concen: 124.835 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

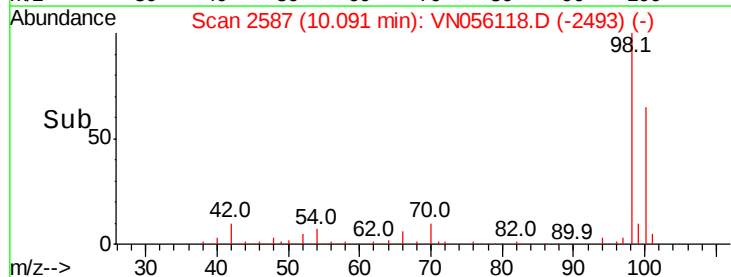
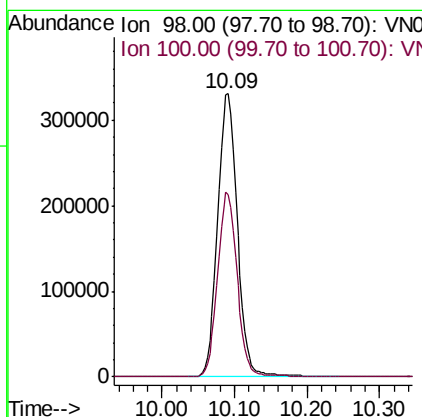
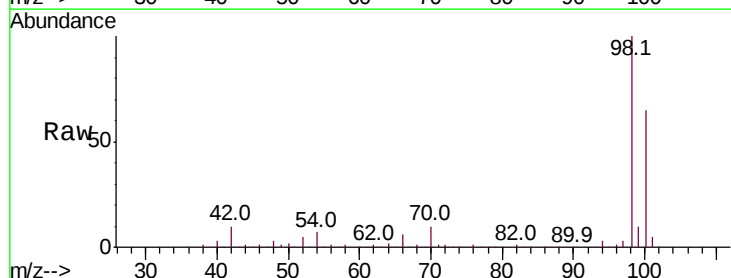
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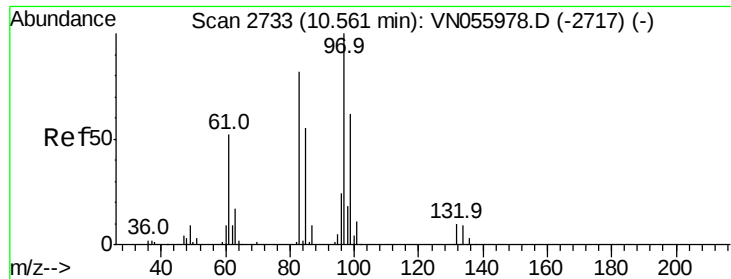
Tot Ion:130 Resp: 458095
 Ion Ratio Lower Upper
 130 100
 95 95.2 0.0 188.0



#50
 Toluene-d8
 Concen: 54.361 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Tgt Ion: 98 Resp: 627576
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.9 77.9

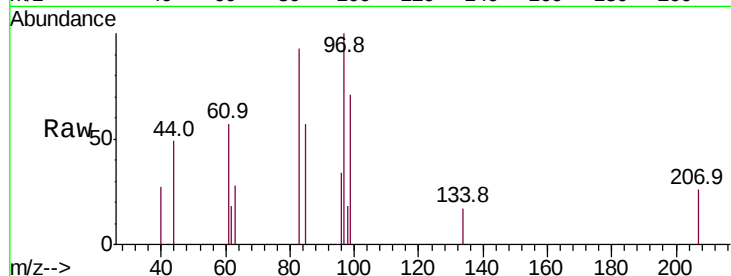




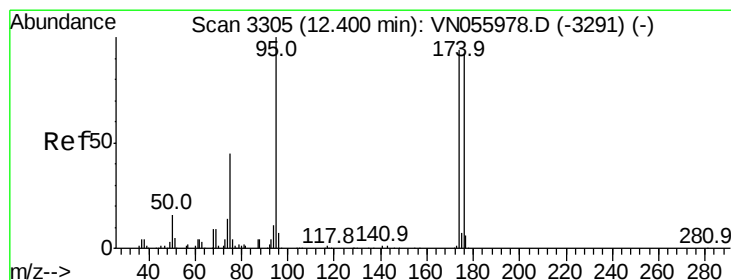
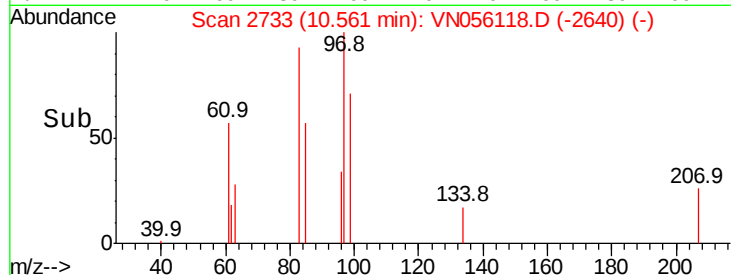
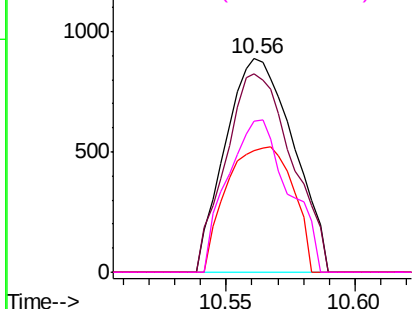
#55
 1,1,2-Trichloroethane
 Concen: 0.520 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Instrument :
 MSVOA_N
 ClientSampleId :
 KY024MW068-190605

Tot Ion:	97	Resp:	1636
Ion	Ratio	Lower	Upper
97	100		
83	92.8	67.0	100.6
85	56.9	44.0	66.0
99	70.9	50.6	75.8

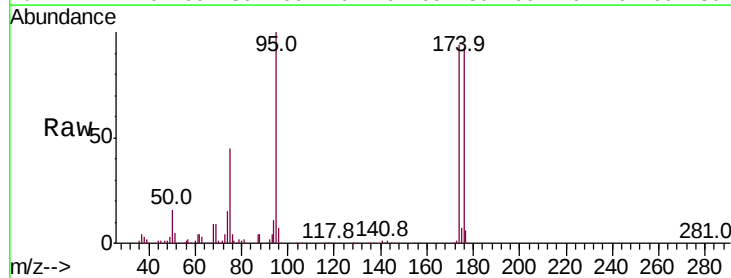


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

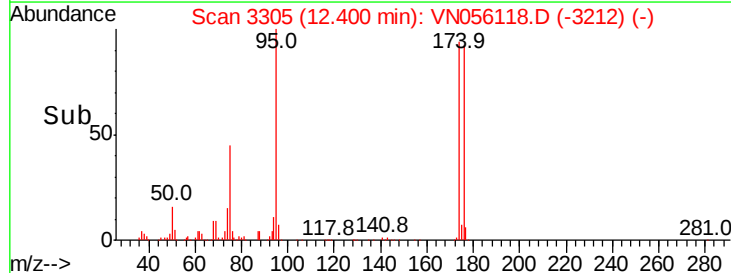
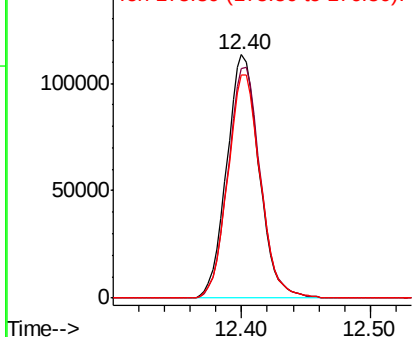


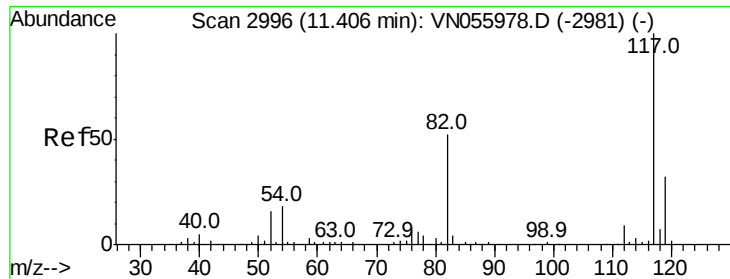
#62
 4-Bromofluorobenzene
 Concen: 50.111 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Tgt Ion:	95	Resp:	196740
Ion	Ratio	Lower	Upper
95	100		
174	95.4	0.0	191.0
176	92.7	0.0	185.2



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

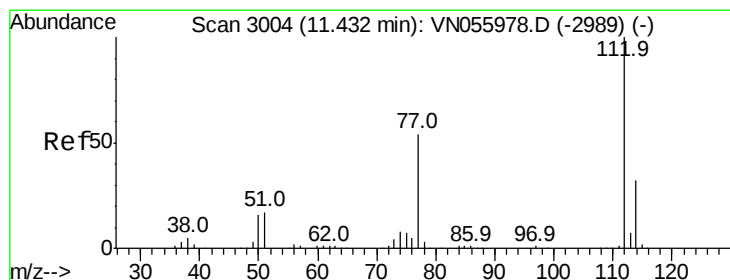
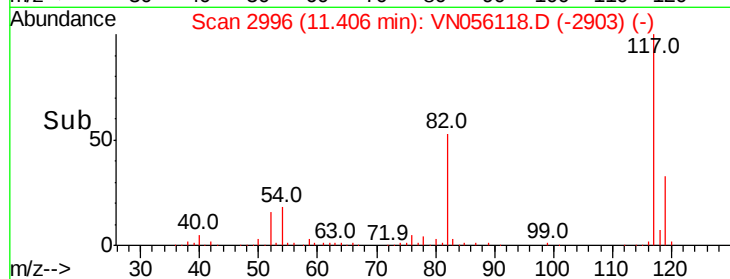
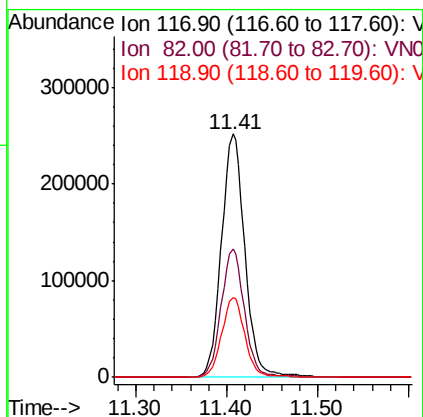
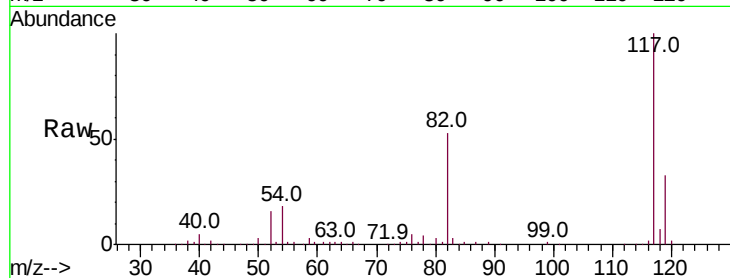




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

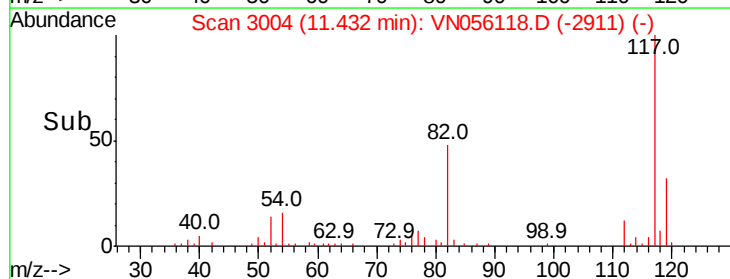
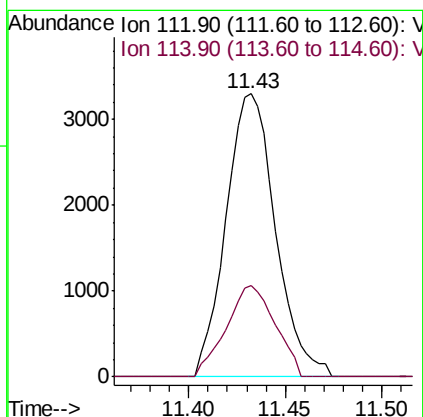
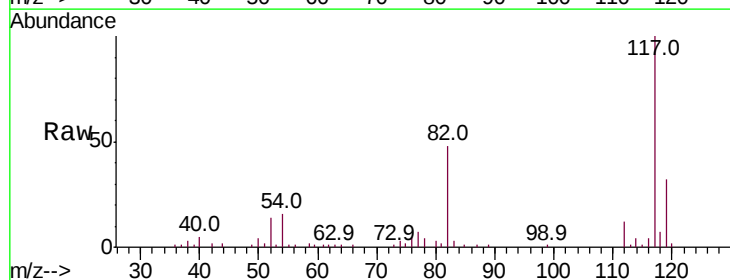
Instrument :
MSVOA_N
ClientSampleId :
KY024MW068-190605

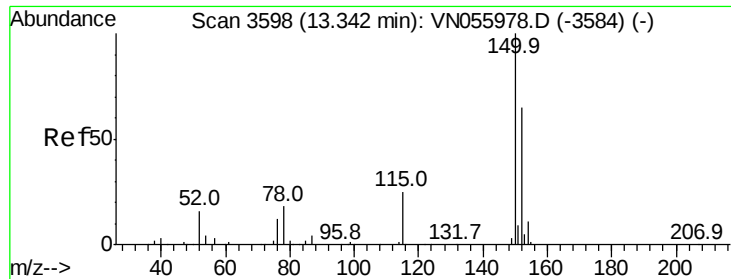
Tot Ion:117 Resp: 451285
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.8
119 32.7 25.4 38.0



#65
Chlorobenzene
Concen: 0.653 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

Tgt Ion:112 Resp: 5865
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

KY024MW068-190605

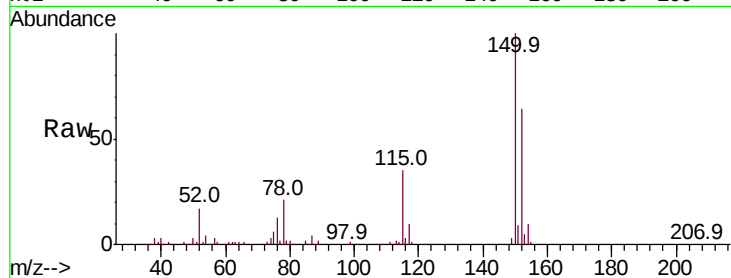
Tot Ion:152 Resp: 147154

Ion Ratio Lower Upper

152 100

115 52.7 27.0 81.0

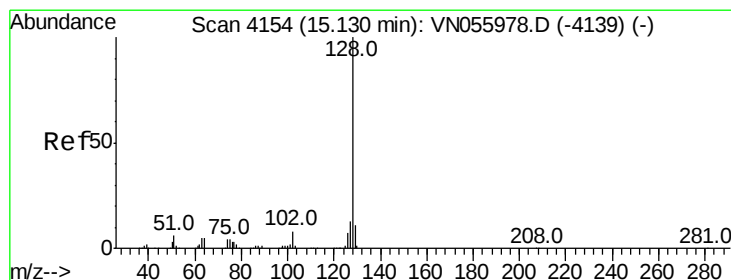
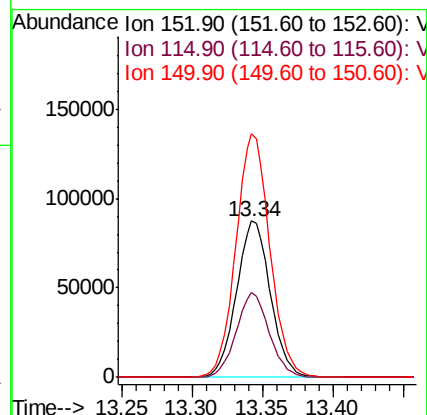
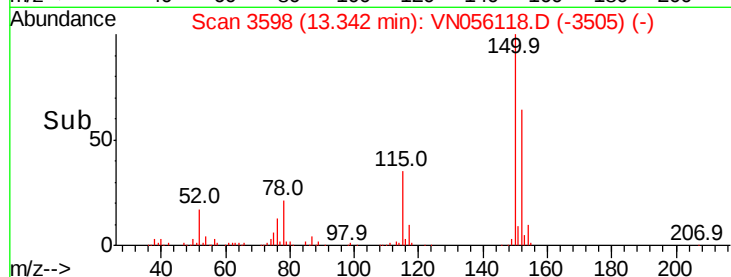
150 155.8 0.0 343.2



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



#95

Naphthalene

Concen: 4.322 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

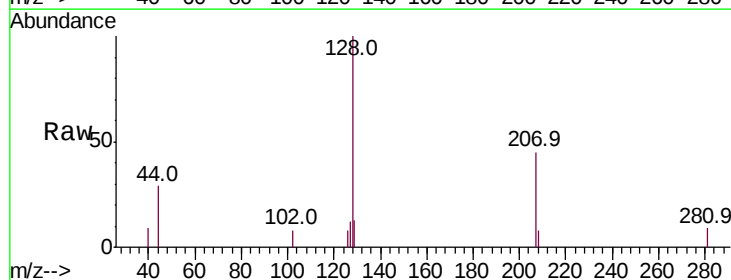
Tgt Ion:128 Resp: 3591

Ion Ratio Lower Upper

128 100

127 8.4 10.3 15.5#

129 8.7 8.7 13.1#



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

